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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  
November 26, 2018 – June 03, 2020**

**for**

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

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## **Executive Summary**

Between November 26, 2018 to September 03, 2019 Harte Gold Corporation performed a 28-hole, 13,426.58 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. Two drill rigs (Drill 20 and 33) were supplied by Foraco International SA to perform drilling for the drill program.

The intent of the drill program was to drill test the on-strike extensions of the Sugar and Wolf Zones where previous drilling encountered gold-bearing zone of interest. Drilling in both areas succeeded in intersecting gold zones of economic interest. In addition, four short, vertical holes were drilled for the environmental department as part of their water monitoring/sampling requirements.

A total of \$2,183,383 was spent on this drill program which included cost such as drilling, assay and salaries, etc. The average cost per meter was \$162.62. All drilling was conducted on the mining leases.

At the time drilling was being conducted a work permit was not in place as Harte was not aware a work permit was required on a mining lease. However, a closure plan had been filed with the Ministry on September 18, 2018. After confirming with the assessment office that only those segments of the drill holes that occur on the closure plan area would be allowed for assessment credit the cost and time tables were revised. As a result a total of \$723,225 is now being applied for assessment credit.

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.

All drill holes were drilled on the Sugar Zone mining leases which included LEA-109592, LEA-109593, LEA-109602 and LEA-109605. A work permit was not present when the drilling was conducted, however, Harte did have an active closure plan in place at the time. This closure plan

was approved September 18, 2018. Segments of holes which were not drilled within the boundaries of the closure plan are not included in the assessment costs being submitted for assessment credit.

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 Odlum, 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.

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

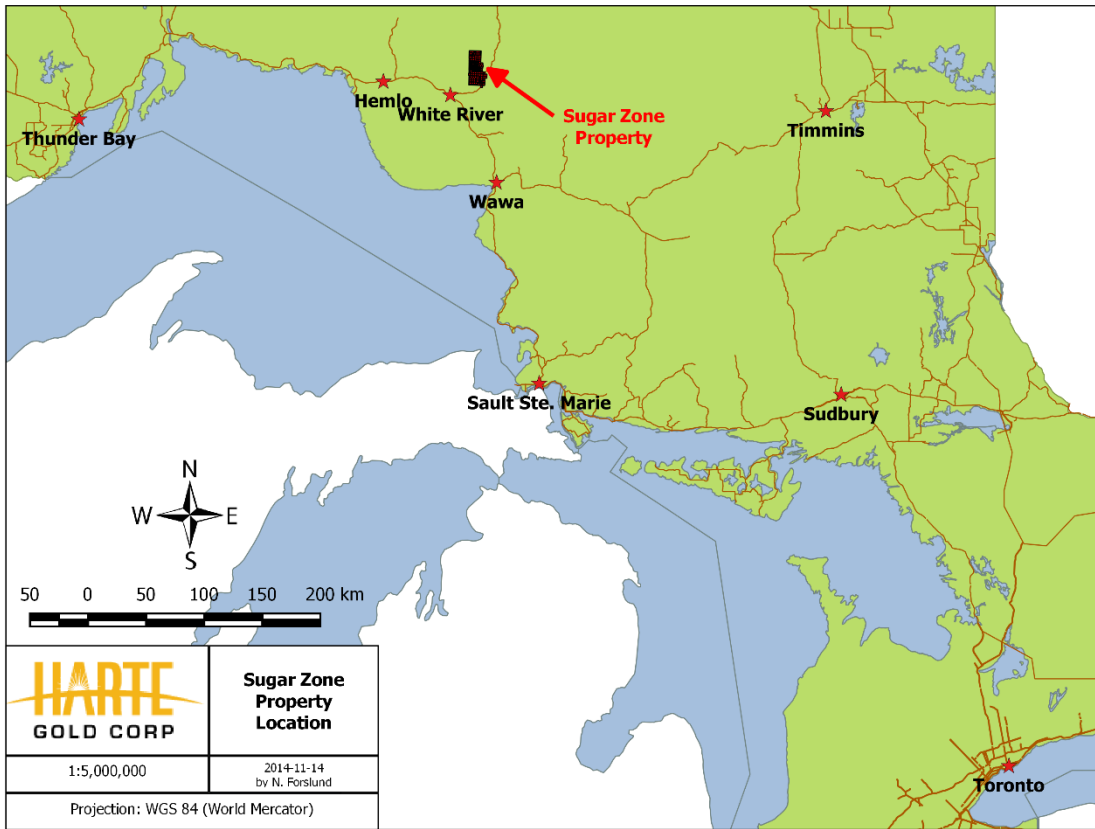


Figure 1 - Property Location

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.

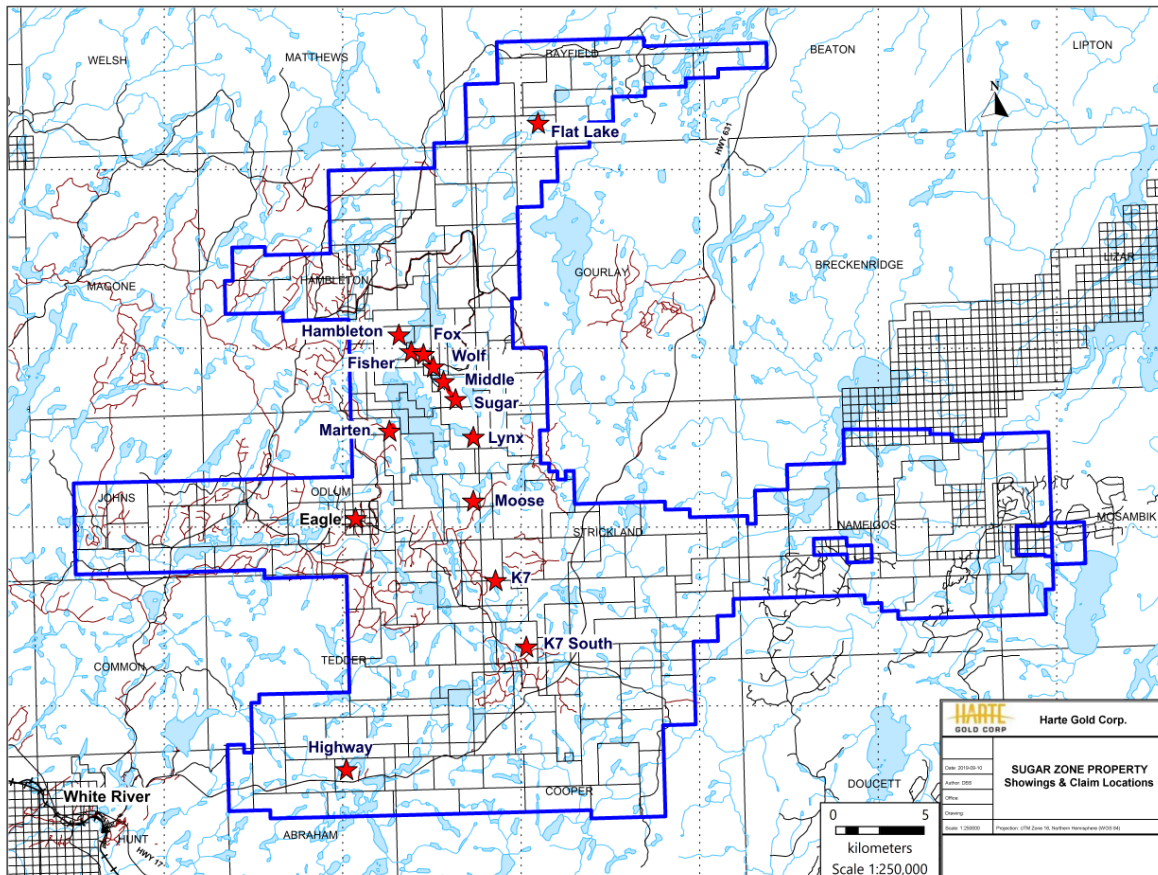


Figure 2 - Claim Position and Showings

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 led 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).

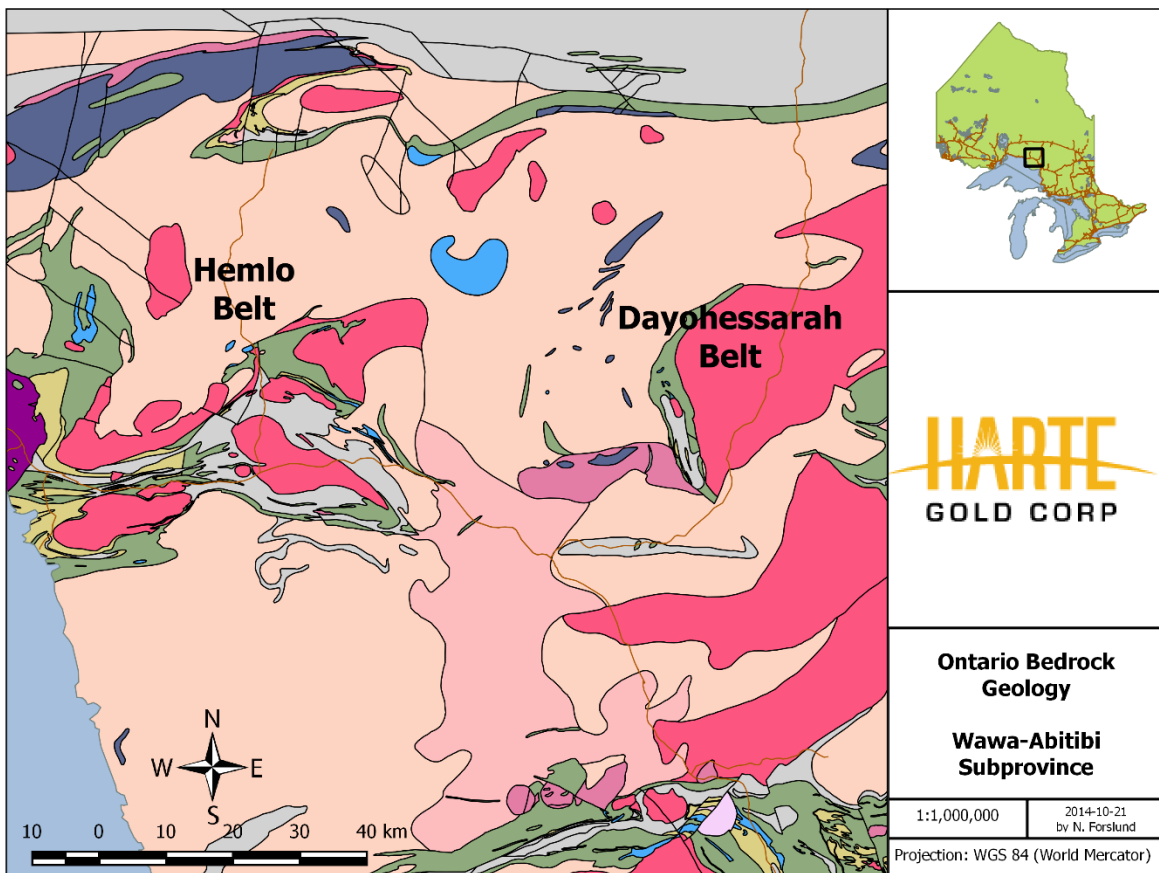


Figure 3 - Regional Geology



Alteration throughout the belt consists of diopsidation, 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

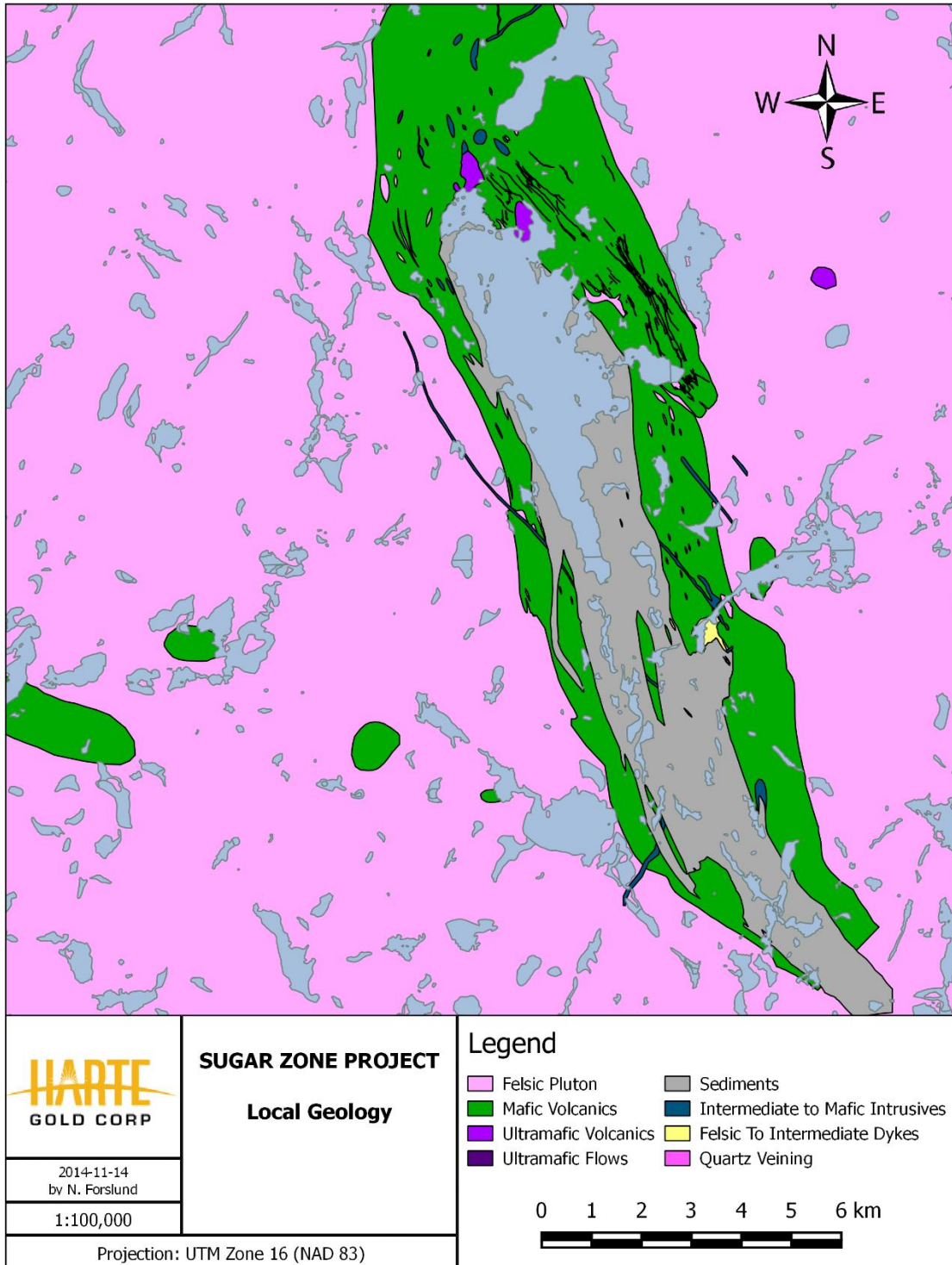


Figure 4 - Property Geology

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:

- 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

Twenty-eight diamond drill holes totalling 13,426.58 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. In addition, four short, vertical holes were drilled for the environmental department as part of their water monitoring/sampling requirements.

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 1090 core samples were collected and 1522 analysis were performed 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. A total of 710 samples were analysed from segments of the holes within the closure plan area.

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

# of Holes	Hole ID	Easting	Northing	Dip	Azimuth	Length (m)	Claim #
1	MW-19-01	646605.12	5407160.18	-90	0	31.41	LEA-109592
2	MW-19-02	645600.32	5407324.76	-90	0	10	LEA-109602
3	MW-19-03	646403.29	5407369.45	-90	0	9.64	LEA-109605
4	MW-19-04	646347.49	5407208.54	-90	0	10.35	LEA-109592
5	WZ-18-211	645191	5407575	-81	40	1645.29	LEA-109602
6	WZ-19-205W	645155.85	5407491.84	-80	39	1199	LEA-109602
7	WZ-19-211	645191	5407575	-82	40	1783.91	LEA-109602
8	SZ-19-264W	646040.05	5406520.5	-81	31	1044.38	LEA-109592, LEA-109593
9	SZ-19-265	646040.05	5406520.5	-66	34	801	LEA-109592, LEA-109593
10	SZ-19-266	646148.9	5406719	-76	24	642	LEA-109592, LEA-109593, LEA-109605
11	SZ-19-267	646148.9	5406719	-68	58	503.5	LEA-109592, LEA-109593, LEA-109605
12	SZ-19-268FARA	646099.5	5407508.8	-87.3	200.75	95.7	LEA-109602
13	SZ-19-269A	646148.9	5406719	-68	58	56.3	LEA-109593
14	SZ-19-269	646148.9	5406719	-75	50	570	LEA-109592, LEA-109593, LEA-109605
15	SZ-19-270	646148.9	5406719	-69	45	537	LEA-109592, LEA-109593, LEA-109605
16	SZ-19-271	646148.9	5406719	-60	55	459	LEA-109592, LEA-109593, LEA-109605
17	SZ-19-272	646041.06	5406843.19	-73	68	612	LEA-109593, LEA-109602
18	SZ-19-273	646041.06	5406843.19	-64	68	510	LEA-109593, LEA-109602, LEA-109605
19	SZ-19-274	646248	5406641	-71	40	507	LEA-109592, LEA-109593
20	SZ-19-275	646248	5406641	-78	40	552	LEA-109592, LEA-109593
21	SZ-19-276	646248	5406641	-82	40	651	LEA-109592, LEA-109593
22	SZ-19-277	646278.78	5406530.39	-72	17	640	LEA-109592, LEA-109593
23	SZ-19-278	646278.78	5406530.39	-79	16	772.5	LEA-109592, LEA-109593
24	SZ-19-279	646278.78	5406530.39	-82	45	853	LEA-109592, LEA-109593
25	SZ-19-280	646278.78	5406530.39	-75	45	665	LEA-109592, LEA-109593
26	SZ-19-281	6465278.78	5406530.39	-67	45	555	LEA-109592, LEA-109593
27	SZ-19-282	646278.78	5406530.39	-58	45	501	LEA-109592, LEA-109593
28	SZ-19-283	646278.78	5406530.39	-72	69	625	LEA-109592, LEA-109593

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 invoices are in Appendix H.

## 7.0 Conclusions and Recommendations

Between November 26, 2018 and September 03, 2019 Harte Gold Corporation performed a twenty-eight hole, 13,427 meter diamond drill program at the Sugar and Wolf Zones. Zones of economic interest were intersected in both zones.

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

	Hole #	Zone	Au g/t	Width (m)	From (m)	To (m)
1	MW-19-01	no assays				
2	MW-19-02	no assays				
3	MW-19-03	no assays				
4	MW-19-04	no assays				
5	WZ-18-211	Middle	1.25	1.88	1471.25	1473.13
6	WZ-19-205W	Middle	1.47	3.09	1121.81	1124.90
7	WZ-19-211	Middle	0.01	2.00	1759.47	1761.47
8	SZ-19-264W	Upper	0.73	1.60	898.70	900.30
		Lower	0.01	1.50	924.25	925.75
9	SZ-19-265	Upper	8.62	1.90	638.85	640.75
		Lower	0.23	1.50	669.93	671.43
10	SZ-19-266	Upper	21.07	1.68	491.32	493.00
		Lower	0.02	1.88	524.70	526.58
11	SZ-19-267	Upper	3.92	3.31	405.23	408.54
		Lower	0.05	1.68	431.60	433.28
12	SZ-19-268FARA	no assays				
13	SZ-19-269A	no assays				
14	SZ-19-269	Upper	7.00	1.59	463.41	465.00
		Lower	4.70	2.13	507.70	509.83
15	SZ-19-270	Upper	0.98	2.00	422.00	424.00
		Lower	0.13	1.77	449.80	451.57
16	SZ-19-271	Upper	0.20	2.28	367.70	369.98
		Lower	27.60	1.68	394.40	396.08
17	SZ-19-272	Upper	0.28	1.70	479.80	481.50
		Lower	0.37	1.57	529.00	530.57
18	SZ-19-273	Upper	6.06	1.41	412.00	413.41
		Lower	0.03	1.75	468.83	470.58
19	SZ-19-274	Upper	6.30	2.05	358.70	360.75
		Lower	0.60	1.38	382.23	383.61
20	SZ-19-275	Upper	1.48	1.72	413.28	415.00
		Lower	0.00	1.40	474.62	476.02
		Footwall	0.74	2.13	501.37	503.50
21	SZ-19-276	Upper	23.59	2.02	487.09	489.11
		Lower	0.17	1.60	508.30	509.90
22	SZ-19-277	Upper	NSA			
		Lower	NSA			
23	SZ-19-278	Upper	0.66	1.33	540.79	542.12
		Lower	0.27	1.24	557.16	558.40
24	SZ-19-279	Upper	0.01	2.24	641.33	643.57
		Lower	NSA			
25	SZ-19-280	Upper	NSA			
		Lower	0.02	1.50	521.20	522.70
26	SZ-19-281	Upper	5.46	2.15	410.65	412.80
		Lower	NSA			
27	SZ-19-282	Upper	NSA			
		Lower	NSA			
28	SZ-19-283	Upper	0.40	2.03	438.57	440.60
		Lower	NSA			
NSA - no significant assays						

This drill report was written from May 21 to June 03, 2020.

## 8.0 Costs

A total of \$2,183,383 was spent during the Sugar and Wolf Zone drill programs. Due to the closure plan issue a total of \$723,225 is now being applied for assessment credit.

Costs and cost distribution per claim are summarized in Tables 3 and 4. A summary of drilling cost per hole is available in Table 5. Table 6 provides a summary of analytical costs per hole while Table 7 provides a summary of total drilling days and total truck kilometer usage.

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

Activity	Units			Cost per Unit		Total	%
Drilling (28 holes)	5,129	meters	@	\$116.01	per meter	\$ 595,058	82.3%
Planning/Supervision	75	days	@	\$692.28	per day	\$ 51,921	7.2%
Drill Geologist	75	days	@	\$285.56	per day	\$ 21,417	3.0%
Core Cutter	75	days	@	\$220.00	per day	\$ 16,500	2.3%
Assays	710	analysis	@	\$16.46	per sample	\$ 11,687	1.6%
Truck Km Charge	7,200	km	@	\$0.50	per km	\$ 3,600	0.5%
Room & Board - Supervisor	75	days	@	\$89.00	per day	\$ 6,675	0.9%
Room & Board - Geologist	75	days	@	\$89.00	per day	\$ 6,675	0.9%
Report Writing	14	days	@	\$692.28	per day	\$ 9,692	1.3%
<b>Total Drill Cost</b>						<b>\$ 723,225</b>	<b>100.0%</b>
					<b>Ave. \$/m</b>	<b>\$ 141.00</b>	

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

Claim #	LEA-109592	LEA-109593	LEA-109602	LEA-109605	Totals
<b>Meters/Claim</b>	<b>3010.58</b>	<b>1562</b>	<b>469.2</b>	<b>87.5</b>	<b>5129.28</b>
<b>% of Total Meters</b>	<b>58.69%</b>	<b>30.45%</b>	<b>9.15%</b>	<b>1.71%</b>	<b>100.00%</b>
<b>Activity</b>	<b>\$/Claim</b>	<b>\$/Claim</b>	<b>\$/Claim</b>	<b>\$/Claim</b>	
Drill Cost	\$325,474	\$152,090	\$102,101	\$15,393	\$595,058
Planning/Supervision	\$30,475	\$15,811	\$4,749	\$886	\$51,921
Drill Geologist	\$12,570	\$6,522	\$1,959	\$365	\$21,417
Core Cutter	\$9,685	\$5,025	\$1,509	\$281	\$16,500
Assay Cost	\$7,465	\$2,792	\$1,215	\$214	\$11,687
Truck Km Charge	\$2,113	\$1,096	\$329	\$61	\$3,600
Room - Supervisor	\$3,918	\$2,033	\$611	\$114	\$6,675
Room - Geologist	\$3,918	\$2,033	\$611	\$114	\$6,675
Report Writing	\$5,689	\$2,951	\$887	\$165	\$9,692
<b>Total Cost/Claim</b>	<b>\$401,306</b>	<b>\$190,354</b>	<b>\$113,971</b>	<b>\$17,594</b>	<b>\$723,225</b>





**Table 6 – Sugar & Wolf Zones – Analytical Cost Summary**

# of Sites	Zone #	Condition #	BA-1.5 (Items)	LA-1 (Items)	LA-2 (Items)	LA-3 (Items)	Admin Fee	10% Bond	Regional Cost \$1.00	State #	# Analytical	% of Analytical	Master Interval on Closure Plan \$1.00	# of Analytical on Closure Plan	\$ on Closure Plan	LEA-10992 \$1.00	LEA-10993	LEA-10994	LEA-10995	
1	MAV-13-25	no analysis							\$0.00	LEA-10992	0	0%	\$0.00	0	\$0.00	\$0.00				
2	MAV-13-25	no analysis							\$0.00	LEA-10992	0	0%	\$0.00	0	\$0.00	\$0.00				
3	MAV-13-25	no analysis							\$0.00	LEA-10992	0	0%	\$0.00	0	\$0.00	\$0.00				
4	MAV-13-25	no analysis							\$0.00	LEA-10992	0	0%	\$0.00	0	\$0.00	\$0.00				
5	W2-18-211	A19-20261	60	30					\$164.00	LEA-10992	130	100%	1,965.01,645.29	60	\$200.00	\$600.00				
6	W2-18-2550	A19-20262	37	39	1				\$274.00	LEA-10992	39	100%	1,160.01,1160.00	14	\$210.00	\$420.00				
7	W2-18-211	A19-20263	0	10			4 hours		\$122.00	LEA-10992	33	100%	1,760.01,1760.00	1	\$15.00	\$75.00				
8	SC-12-2640	A19-20272	31	35					\$417.00	LEA-10992	4	4%	1,025.01,1044.36	0	\$0.00					
9	SC-12-2640	A19-20273	21	21					\$121.00	LEA-10992	26	100%		0	\$0.00					
10	SC-12-265	A19-20282	10	10	1	1			\$107.00	LEA-10992	28	27%	740.01,801.0	13	\$135.00	\$135.00				
11	SC-12-265	A19-20283	30	30					\$264.00	LEA-10993	26	73%		2	\$0.00					
12	SC-12-269	A19-20285	40	38	1	1			\$484.00	LEA-10993	40	100%	300.01,442.0	34	\$104.00	\$104.00				
13	SC-12-269	A19-20286	40	40	2	2			\$790.00	LEA-10993	40	100%	240.01,263.0	40	\$100.00	\$100.00				
14	SC-12-269	A19-20287	40	31	3	3			\$486.00	LEA-10993	33	81%	300.01,310.0	46	\$118.00	\$118.00				
15	SC-12-270	A19-20288	10	19					\$170.00	LEA-10993	13	100%	300.01,307.0	17	\$170.00	\$170.00				
16	SC-12-271	A19-20289	41	43	2	2			\$270.00	LEA-10993	0	0%	301.01,403.0	33	\$100.00	\$100.00				
17	SC-12-272	A19-20294	50	50					\$884.00	LEA-10992	0	0%	Endless N/A	50	\$100.00	\$100.00				
18	SC-12-273	A19-20294	44	46	1	1			\$124.00	LEA-10992	0	0%	Endless N/A	46	\$100.00	\$100.00				
19	SC-12-274	A19-20295	34	36	1	1			\$274.00	LEA-10992	36	100%	300.01,307.0	34	\$100.00	\$100.00				
20	SC-12-275	A19-20296	30	30	1				\$264.00	LEA-10992	41	100%	410.01,450.0	36	\$100.00	\$100.00				
21	SC-12-276	A19-20271	30	30	2	2			\$1,298.00	LEA-10992	31	100%	300.01,301.0	30	\$100.00	\$100.00				
22	SC-12-277	A19-20297	10	10					\$150.00	LEA-10992	10	100%	300.01,442.0	0	\$0.00	\$0.00				
23	SC-12-278	A19-11262	60	71					\$1,404.00	LEA-10992	71	100%	300.01,772.0	64	\$100.00	\$100.00				
24	SC-12-279	A19-10982	20	30					\$420.00	LEA-10992	30	100%	400.01,803.0	27	\$100.00	\$100.00				
25	SC-12-280	A19-10985	48	48					\$1,706.00	LEA-10992	48	100%	300.01,465.0	43	\$100.00	\$100.00				
26	SC-12-281	A19-20292	70	70	2	1			\$1,413.00	LEA-10992	70	100%	200.01,400.0	64	\$100.00	\$100.00				
27	SC-12-282	A19-20292	11	12					\$174.00	LEA-10992	12	100%	200.01,201.0	10	\$174.00	\$174.00				
28	SC-12-283	A19-11248	30	32					\$480.00	LEA-10992	32	100%	200.01,425.0	28	\$100.00	\$100.00				
			1000	1122	12	14	4 hours		\$17,794.64	LEA-10992	35	100%		718	\$7,465.00	\$7,465.00				
			Total Core Samples	Total LAZ Analyses			Total Admin Fee Per Site/Analysis		Total Analytical Cost \$16.00			TotalAnalytical								

**Table 7 – Total Drilling Days & Truck Kilometer Usage**

# of Holes	DDH #	Start Date	End Date	Total Days	Chargeable Days	M in Closure Plan	Depth of Hole	%	Revised Chargeable Days
1	MW-19-01	19-May-19	20-May-19	2	2	30.2	30.2	100%	2
2	MW-19-02	16-May-19	20-May-19	1	1	10	10	100%	1
3	MW-19-03	17-May-19	20-May-19	1	1	10.5	10.5	100%	1
4	MW-19-04	18-May-19	20-May-19	1	1	12	12	100%	1
5	WZ-18-211	26-Nov-18	17-Jan-19	23	23	180.29	360	50%	12
6	WZ-19-205W	20-Apr-19	16-May-19	27	26	39	459	8%	2
7	WZ-19-211	22-Jan-19	23-Mar-19	61	61	23.91	949.5	3%	2
8	SZ-19-264W	29-Jan-19	10-Feb-19	13	0	19.38	485.38	4%	0
9	SZ-19-265	12-Feb-19	28-Feb-19	17	0	61	801	8%	0
10	SZ-19-266	26-Mar-19	06-Apr-19	12	12	252	642	39%	5
11	SZ-19-267	08-Apr-19	14-Apr-19	7	7	163.5	503.5	32%	2
12	SZ-19-268FARA	14-Apr-19	16-Apr-19	3	2	96	96	100%	2
13	SZ-19-269A	20-May-19	22-May-19	3	2	0	56	0%	0
14	SZ-19-269	21-May-19	27-May-19	7	5	210	570	37%	2
15	SZ-19-270	30-May-19	05-Jun-19	7	6	187	537	35%	2
16	SZ-19-271	26-May-19	30-May-19	5	3	139	459	30%	1
17	SZ-19-272	26-Jun-19	03-Jul-19	8	8	612	612	100%	8
18	SZ-19-273	02-Jul-19	06-Jul-19	5	3	510	510	100%	3
19	SZ-19-274	10-Jun-19	17-Jun-19	8	6	182	507	36%	2
20	SZ-19-275	05-Jun-19	11-Jun-19	7	6	142	552	26%	2
21	SZ-19-276	16-Jun-19	25-Jun-19	10	8	141	651	22%	2
22	SZ-19-277	21-Aug-19	29-Aug-19	9	8	142	642	22%	2
23	SZ-19-278	11-Aug-19	21-Aug-19	11	11	267.5	772.5	35%	4
24	SZ-19-279	31-Jul-19	10-Aug-19	11	11	373	853	44%	5
25	SZ-19-280	21-Jul-19	30-Jul-19	10	10	345	665	52%	5
26	SZ-19-281	15-Jul-19	20-Jul-19	6	6	305	555	55%	3
27	SZ-19-282	10-Jul-19	14-Jul-19	5	5	301	501	60%	3
28	SZ-19-283	28-Aug-19	03-Sep-19	7	5	375	625	60%	3
Total				287	239				75
<b>48 km from WR to Sugar Zone mine site; 96 km return trip</b>									
<b>Total kilometers driven: 75 days x 96 km/round trip = 7,200 km</b>									



## 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 03<sup>rd</sup> day of June, 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, HAMBLETON	531240	Multi-cell Mining Claim	2019-12-22	\$9,600	\$0
BAYFIELD, HAMBLETON, MATT	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

- OVB-Overburden
- CAS-Casing
- BX-Breccia
- FLT-Fault
- Frac-Z-Fracture Zone
- FZ-Fault Zone
- SH-Shear
- SZ-Shear Zone

- UZ-Upper Zone
- MZ-Middle Zone
- LZ-Lower Zone
- QCV-Quartz-Carbonate Vein
- QTCSW-Quartz-Carbonate Stockwork
- QTSW-Quartz Stockwork
- QV-Quartz Vein
- QZ-Quartz Zone
- QZ-STR-Quartz Stringer

### 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

- 0 - 0.5
- 0.6 - 1
- 1.1 - 3
- 3.1 - 5
- 5.1 - 8
- 8.1 - 12
- 12.1 - 659

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



<b>Hole Number:</b>	<b>MW-19-01</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					May 19 2019	May 19 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	0	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646605.12	<b>Dip:</b>	-90	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407160.18			May 20 2019	May 20 2019	
<b>Elevation(m)</b>	451.79					
<u>Final Pick up</u>		<b>Depth(m):</b>	31.41	<b>Logger 1:</b>	Josh Zundl	
<b>Easting</b>		<b>Core Size:</b>	PQ	<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>	Well Monitoring Hole	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
		0.0	0.0	-90.0		Planned	7.6
<b>Results</b>			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Comments</b>			-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				

FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
0.00	19.50	19.50	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; weak-mod per chl; mod interstitial bi; weak-mod wispy ser bleaching; weak qtz veinlets; trace amygdules closer to UC; trace pillow selvages; trace felsic replacement of groundmass closer to LC; barren
19.50	29.41	9.91	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; weak-mod per chl; mod interstitial bi; weak-mod wispy ser bleaching; weak qtz/car veinlets; mod amygdules; trace pillow selvages; contains a minor 6E; barren





<b>Hole Number:</b>	<b>MW-19-02</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					May 16 2019	May 17 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	0	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	645600.32	<b>Dip:</b>	-90	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407324.76			May 20 2019	May 20 2019	
<b>Elevation(m)</b>	421.27					
<u>Final Pick up</u>		<b>Depth(m):</b>	10.00	<b>Logger 1:</b>	Josh Zundl	
<b>Easting</b>		<b>Core Size:</b>	PQ	<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>	Well Monitoring Hole	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
		0.0	0.0	-90.0		Planned	7.6
<b>Results</b>			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Comments</b>			-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
MW-19-02	0.00	2.29	2.29	1A	Massive Flows	Green; FG-MG; mod fol; trace car stringers; mod felsic replacement of groundmass; mod per chl; mod interstitial bi; contains a minor 4B; barren
MW-19-02	2.29	10.00	7.71	1B	Pillowed Flows	Green; FG; mod fol; trace car stringers; mod felsic replacement of groundmass; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod alb stringers; trace qtz veinlets; mod chl altered pillow selvages up to 2cm; contains a minor 4B; barren





<b>Hole Number:</b>	<b>MW-19-03</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					May 17 2019	May 18 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	0	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646403.29	<b>Dip:</b>	-90	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407369.45			May 20 2019	May 20 2019	
<b>Elevation(m)</b>	457.69					
<u>Final Pick up</u>		<b>Depth(m):</b>	9.64	<b>Logger 1:</b>	Josh Zundl	
<b>Easting</b>		<b>Core Size:</b>	PQ	<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>	Well Monitoring Hole	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
		0.0	0.0	-90.0		Planned	7.6
<b>Results</b>			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Comments</b>			-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
MW-19-03	0.00	0.75	0.75	OVB	Overburden	
MW-19-03	0.75	2.01	1.26	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod qtz veinlets; trace car stringers; str banding bi/chl/qtz for last 30m; 1% PY in last 50cm
MW-19-03	2.01	4.82	2.81	4B	Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; mod interstitial bi; weak sil; mod alb banding; <1cm alb rims; barren
MW-19-03	4.82	9.64	4.82	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod qtz veinlets; trace car stringers; str banding bi/chl/qtz for first 10m; barren





Hole Number:

MW-19-04

Drill Rig:

Drill 20

Claim Number:

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>	
Surface		Azimuth: 0			May 18 2019	May 18 2019	
<u>Planned Coordinates</u>		Dip: -90	Depth(m): 10.35	<b>Drill Contractor:</b>	Foraco Canada Ltd		
<b>Easting</b>	646347.49			<b>Dates Logged:</b>		<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407208.54					May 20 2019	May 20 2019
<b>Elevation(m)</b>	456.27	<b>Logger 1:</b>				Josh Zundl	
<u>Final Pick up</u>		Core Size: PQ		<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>	Well Monitoring Hole	<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>		0.0	0.0	-90.0		Planned	7.6
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Comments</b>			-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
MW-19-04	0.00	3.70	3.70	OVB	Overburden	
MW-19-04	3.70	5.64	1.94	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod qtz veinlets; trace car stringers; barren
MW-19-04	5.64	8.06	2.42	1A	Massive Flows	Green; FG; no fol; str per chl; mod interstitial bi; barren
MW-19-04	8.06	10.35	2.29	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod qtz veinlets; trace car stringers; barren







Hole Number:

SZ-19-264W

Drill Rig:

Drill 33

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					29-Jan-2019	8-Feb-2019	
Planned Coordinates		Azimuth:	31	Drill Contractor:	Foraco Canada Ltd		
Easting	646040.05						
Northing	5406520.5	Dip:	-81	Dates Logged:	Start Date:	End Date:	
Elevation(m)	422.24				30-Jan-2019	10-Feb-2019	
Final Pick up		Depth(m):	1044.38	Logger 1:	Josh Zundl		
Easting				Logger 2:	Sarah Davis		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	31.0	-81.6		Planned	38.6
Results	Minor amounts of sulphides in zones; no visible gold identified	31.0	31.0	-81.6			
		61.0	31.6	-81.0	5590	20ft Hex; 1	39.2
		91.0	33.5	-81.1	5595	20ft Hex; 1	41.1
		121.0	32.2	-81.2	5584	20ft Hex; 1	39.8
		151.0	31.4	-81.3	5618	6m Standa	39
		181.0	34.2	-81.0	5625	6m Standa	41.8
		211.0	34.8	-80.6	5636	6m Standa	42.4
		246.0	34.3	-80.0	5631	20ft Stand;	41.9
		276.0	36.0	-78.8	5622	6m Standa	43.6
		306.0	36.9	-78.2	5629		44.5
Comments	Wedge at 559 m roll 320	336.0	40.9	-78.2	5667	6m Standa	48.5
		359.0	42.4	-75.1	5869	wedged at	44.2
		362.0	43.9	-74.4	5844		217
		374.0	45.5	-73.2	5498	3m Standa	53.1
		405.0	43.5	-72.4	5621		51.1
		435.0	44.0	-71.7	5622	6m Standa	51.6
		465.0	46.9	-71.5	5617	6m Standa	54.5
		498.0	46.8	-70.3	5644		54.4
		525.0	47.6	-70.5	5617	6m Standa	55.2
		555.0	46.4	-69.6	5622	wedged at	54
575.0	49.9	-66.2	5573	3m Standa	57.5		
590.0	50.7	-65.7	5573	3m Standa	58.3		
605.0	50.8	-64.7	5576	3m standa	58.4		
620.0	50.3	-62.9	5580	3m standa	57.9		
635.0	50.7	-61.5	5584	3m standa	58.3		
650.0	50.9	-60.1	5583	3m standa	58.5		
665.0	51.3	-58.6	5600	3m standa	58.9		
680.0	51.6	-57.6	5581	3m standa	59.2		
695.0	52.5	-56.7	5570	at 702m sv	60.1		
726.0	52.8	-55.4	5570	6m standa	60.4		
756.0	55.3	-54.1	5575	6m standa	62.9		
786.0	53.4	-52.8	5578	6m standa	61		
816.0	54.8	-50.7	5561	6m standa	62.4		
846.0	56.0	-48.4	5585	6m standa	63.6		
876.0	56.8	-45.9	5572	6m standa	64.4		
906.0	58.8	-42.7	5578	6m standa	66.4		
936.0	60.2	-40.9	5583	6m standa	67.8		
969.0	61.2	-39.5	5587	6m standa	68.8		
1002.0	62.6	-38.1	5570	at 996 6m	70.2		
1029.0	62.5	-37.3	5579	6m standa	70.1		
Azimuth corrected to 7.6 degrees west declination							

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-264W	0.00	3.90	3.90	CAS	Casing	
SZ-19-264W	3.90	20.06	16.16	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; barren
SZ-19-264W	20.06	21.36	1.30	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod interstitial bi; phenos are mod replaced w/ bi and amph/chl; barren
SZ-19-264W	21.36	32.53	11.17	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	32.53	37.00	4.47	1B	Pillowed Flows	Medium green; FG; weak-mod fol; mod chl alt'd selvages; trce stringer albite/qtz; weak wispy bleaching; barren
SZ-19-264W	37.00	45.75	8.75	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	45.75	47.46	1.71	1B	Pillowed Flows	Medium green; FG; weak-mod fol; mod chl alt'd selvages; trce stringer albite/qtz; weak wispy bleaching; barren
SZ-19-264W	47.46	49.10	1.64	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	49.10	51.80	2.70	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	51.80	58.65	6.85	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	58.65	61.40	2.75	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	61.40	64.70	3.30	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	64.70	66.33	1.63	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	66.33	78.92	12.59	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	78.92	83.56	4.64	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	83.56	87.00	3.44	6A	Diorite	Medium green grey and white; MG; mod replacement amph w/ chl and bi; mod banded 5B and 4E up to 8%; str chl alt'n in patches; barren to very trace sulphides
SZ-19-264W	87.00	94.92	7.92	1Z	Gabbroic with gradational contacts	Medium dark green grey and 6A units; 20% 6A wispy horestails and dyklets within; FG-MG; mod interstitial bleaching; barren
SZ-19-264W	94.92	99.72	4.80	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	99.72	102.07	2.35	4E	Pegmatite	White and grey speckles; MG-CG fsp and smokey qtz; no fol; 5-10% mafic amph and bi speckling; strong wispy irregular contacts w/ str bi halos and several xenoliths; barren
SZ-19-264W	102.07	105.46	3.39	1A	Massive Flows	Medium dark grey green; MG; mod fol; mod interstitial bleaching; 10% stringer and dyklet 6A and 5B; patches of str bleached light green alt'n; barren
SZ-19-264W	105.46	138.75	33.29	1Z	Gabbroic with gradational contacts	Medium dark green grey 1A and 6A units; 20% 6A wispy horestails and dyklets within; FG-CG; mod interstitial bleaching; barren. Contains minor 5B
SZ-19-264W	138.75	147.88	9.13	6A	Diorite	Medium green grey and white; MG; weak fol; cherty banding for first 20cm from UC; mod replacement amph w/ chl and bi; mod banded 1A/5B and 4E up to 5%; 1% lcl sulphides - primarily PY but has PO. Contains minor 1B
SZ-19-264W	147.88	160.36	12.48	1B	Pillowed Flows	Medium green; FG; weak fol; weak-mod chl alt'd selvages - weak until 155m when it changes to mod; trace stringer albite/qtz; mod wispy large bleaching/patches - 40% of large patches contain str k-spar alteration with grt and often qtz; barren
SZ-19-264W	160.36	161.43	1.07	5B	Granodiorite	White/grey; FG-CG; no fol; mod diss bi/amph; alb rims up to 5cm on both ends; mod smokey/white qtz veinlets - could be considered 4E; weak diss/fracture-filled msc; 2% graphite; 1% PO
SZ-19-264W	161.43	169.09	7.66	1B	Pillowed Flows	Medium green; FG; weak fol; mod banded bi; mod small chl alt'd selvages <1cm; trace stringer albite/qtz; mod wispy bleaching/patches some contain weak-str k-spar alteration with grt and often qtz surrounded by ser; barren
SZ-19-264W	169.09	171.03	1.94	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; weak bleaching/patches; barren
SZ-19-264W	171.03	172.21	1.18	6E	Intermediate Dyke	Grey; weak-mod fol; FG-MG; mod bi replacement of phenos; contains small unit of 4E; barren
SZ-19-264W	172.21	174.45	2.24	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; weak bleaching/patches; barren. Contains minor 5B
SZ-19-264W	174.45	177.29	2.84	1B	Pillowed Flows	Medium green; FG; weak fol; mod banded bi; mod small chl alt'd selvages up to 5cm; weak stringer albite/qtz; mod wispy bleaching/patches some contain mod k-spar alteration with grt and often qtz surrounded by ser; barren
SZ-19-264W	177.29	179.45	2.16	6A	Diorite	Medium green grey and white; MG; weak fol; mod replacement amph w/ chl and bi. May contain very trace sulfides. Unit is 20% small 5B units

SZ-19-264W	179.45	190.65	11.20	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod-str wispy bleaching/patches some contain mod k-spar alteration with grt and often qtz surrounded by ser; weak car veins/patches; barren. Contains several 6A/5B small units
SZ-19-264W	190.65	194.78	4.13	6A	Diorite	Medium green grey and white; MG; weak fol; mod replacement amph w/ chl and bi. May contain very trace sulfides. Unit is 10% small 5B/4E units with trace grt. Unit has a 6B minor
SZ-19-264W	194.78	199.17	4.39	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; 5% small 5B units; weak bleaching/patches; barren
SZ-19-264W	199.17	200.22	1.05	5B	Granodiorite	White/grey; FG-MG; no fol; mod diss bi/amph; 3% grt; weak diss msc; 5% feldspar eyes; barren
SZ-19-264W	200.22	203.92	3.70	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; 5% small 5B units; weak bleaching/patches; barren
SZ-19-264W	203.92	208.03	4.11	1B	Pillowed Flows	Medium green; FG; mod fol; weak banded bi; mod small chl alt'd selvages up to 1cm; weak stringer albite/qtz; mod wispy bleaching/patches few containing weak k-spar alteration with grt/qtz; weak car veins/patches; barren. Contains several 5B small units
SZ-19-264W	208.03	210.47	2.44	6A	Diorite	Medium green grey and white; MG; weak fol; mod replacement amph w/ chl and bi. May contain very trace sulfides. Unit has a 5B minor
SZ-19-264W	210.47	216.80	6.33	1B	Pillowed Flows	Medium green; FG; mod fol; weak banded bi; mod small chl alt'd selvages up to 3cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren. Contains several 5B small units
SZ-19-264W	216.80	230.17	13.37	6A	Diorite	Medium green grey and white; MG; weak fol; mod replacement amph w/ chl and bi. May contain very trace sulfides. Unit has a 5B minor and contains few small patches of 5B/1A
SZ-19-264W	230.17	232.50	2.33	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; bleached/xenolithic fragments of felsic minerals specked throughout unit - about 8%; barren
SZ-19-264W	232.50	235.49	2.99	6A	Diorite	Medium green grey and white; MG; weak fol; mod replacement amph w/ chl and bi. May contain very trace sulfides.
SZ-19-264W	235.49	240.51	5.02	1A	Massive Flows	Medium dark grey green; FG-MG; mod fol; mod diss bi; weak stringer felsic minerals too small for ID; 5% small 5B units; barren
SZ-19-264W	240.51	243.07	2.56	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 2cm alb rims on each side; 20% phenos; barren
SZ-19-264W	243.07	252.50	9.43	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren. Contains several 5B/6E small units
SZ-19-264W	252.50	253.83	1.33	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 2cm alb rims on UC; 20% phenos; barren
SZ-19-264W	253.83	264.39	10.56	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren. Contains 2 4B minors
SZ-19-264W	264.39	266.84	2.45	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 2cm alb rims on LC; 20% phenos; barren. Contains a 1B minor
SZ-19-264W	266.84	270.70	3.86	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod chl alt'd selvages up to 5cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	270.70	271.95	1.25	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 1cm alb rims on UC/LC; 20% phenos; barren
SZ-19-264W	271.95	279.14	7.19	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	279.14	280.35	1.21	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 20% phenos; barren
SZ-19-264W	280.35	289.10	8.75	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	289.10	290.20	1.10	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 20% phenos; barren
SZ-19-264W	290.20	316.55	26.35	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	316.55	317.90	1.35	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 20% phenos; barren
SZ-19-264W	317.90	319.66	1.76	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	319.66	321.32	1.66	7C	Lamprophyre	Dark black greyish; FG w/ 2% diss crystals (albite calcite garnet pyroxenes?) all less than 2mm; weak-mod mag; barren
SZ-19-264W	321.32	343.80	22.48	1B	Pillowed Flows	Medium green; FG; mod fol; mod banded bi; mod small chl alt'd selvages up to 2cm; weak stringer albite/qtz; mod wispy bleaching/patches; weak-mod car veins/patches; barren.
SZ-19-264W	343.80	344.00	0.20	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi elongated by foliation; 20% phenos; barren. CONTINUES AS PRE-WEDGE OVERLAP ON NEXT TAB

SZ-19-264W	344.00	345.83	1.83	1A	Massive Flows	Medium dark grey green; FG; mod fol; mod diss bi; mod pervasive chl; contains small 5B unit and chl-rich qtz vein; trace bleaching/banding throughout; barren
SZ-19-264W	345.83	351.69	5.86	4B	Feldspar Porphyry	Medium purple grey; FG-MG with 2% CG phenos; mod fol; mod sil; mod interstitial bi elongated by foliation; 20% phenos; barren.
SZ-19-264W	351.69	356.83	5.14	1A	Massive Flows	Medium dark grey green; FG; mod fol; mod diss bi; mod pervasive chl; contains small 5B unit and 2 3D minors; trace bleaching/banding throughout; barren
SZ-19-264W	356.83	363.43	6.60	3D	Iron Formation	Medium dark grey/green/white; FG; mod fol; mod pervasive chl; weak-mod bedded bi/chl/ser with 1% blebby PO throughout the bedding. Str bedding from 356.83-357.27/362.23-362.93 with 5-20% PO stingers/blebs and 1% PY. Contains 1A minor
SZ-19-264W	363.43	368.10	4.67	1A	Massive Flows	Medium dark grey green; FG; mod-str fol; mod diss bi; mod pervasive chl; contains a 3D minor; mod bleaching/banding throughout; 1% blebby PO filling fractures/specked throughout bleaching
SZ-19-264W	368.10	372.98	4.88	3D	Iron Formation	Medium dark grey/green/white; FG; mod fol; mod pervasive chl; weak-mod bedded bi/chl/ser/chert with 1% blebby PO throughout the bedding; several chert beds are >5cm. Str bedding from 368.10-369.80 with 10-20% PO stingers/blebs and 1% PY.
SZ-19-264W	372.98	380.32	7.34	1A	Massive Flows	Medium dark grey green; FG; mod-str fol; mod diss bi; mod pervasive chl; contains a 3D minor and a large vein of 5B from 376.5-377.5m but is only about 40% of core; mod bleaching/banding throughout; 1% blebby PO filling fractures/specked throughout bleaching. trace pillow selvages
SZ-19-264W	380.32	384.48	4.16	6E	Intermediate Dyke	Grey; mod fol; FG-MG; mod bi elongated from fol; barren. Contains 5B dyklet and minor
SZ-19-264W	384.48	385.61	1.13	1A	Massive Flows	Medium dark grey green; FG; mod fol; mod-str diss bi; mod pervasive chl; barren
SZ-19-264W	385.61	387.31	1.70	5B	Granodiorite	White/grey; FG-CG; no fol; mod diss bi/amph; 5% white qtz veinlets; 1% PO. Very irregular contacts - look like boudinage when looking at side of core
SZ-19-264W	387.31	398.65	11.34	1A	Massive Flows	Medium dark grey green; FG; mod fol; mod-str diss bi; mod pervasive chl; trace wispy bleaching; contains minor of altered 1A; barren. Contains several dykelets 5B. 391.36-391.78m has str fol; banding and alteration.
SZ-19-264W	398.65	400.95	2.30	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi; 20% phenos; trace ser flooding; trace alb banding; barren.
SZ-19-264W	400.95	437.90	36.95	1Z	Gabbroic with gradational contacts	Medium dark grey green; FG-CG; mod fol; mod-str diss bi; mod pervasive chl; trace wispy bleaching; weak small but long car veinlets; contains minor 5B; barren. Unit begins FG and becomes more CG farther down. Replacement of CG with felsic minerals in about 50% of unit. 417.80-418.20m has str bi alt (50% bi) Has trace k-spar in some bleached sections
SZ-19-264W	437.90	443.26	5.36	4E	Pegmatite	Pink/grey/white; CG; no fol; 50% k-spar; 30% smokey qtz; 10% msc; gradual transition to the 5B minor below; barren
SZ-19-264W	443.26	461.85	18.59	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; weak-mod qtz veinlets/small 5B dyklets; mod banding of bleaching/ser/chl/bi/act; weak car banding; trace k-spar in bleaching; trace PO/PY found in bleaching near units of high alteration (4 ALT)
SZ-19-264W	461.85	463.99	2.14	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG; mod-str fol; str sil; mod interstitial bi elongated by foliation; no phenos; weak hydrothermal pressure fractures with weak ser flooding weak alb banding; 1% PO/PY near contacts
SZ-19-264W	463.99	464.83	0.84	1ALT	Altered Mafic Volcanic	Medium green/grey/white; FG; str fol; str banded chl/ser/act/alb/car; bands are boudinaged/altered into unusual patterns; 3% PO at upper and lower contacts
SZ-19-264W	464.83	468.81	3.98	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; mod banding of bleaching/ser/chl/bi/car/act; trace k-spar in bleaching; trace PO/PY found in bleaching near units of high alteration (1 ALT)
SZ-19-264W	468.81	469.94	1.13	4B	Feldspar Porphyry	Medium purple grey; FG-MG; mod fol; mod sil; mod interstitial bi; 8% phenos; weak alb banding; barren.
SZ-19-264W	469.94	479.17	9.23	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; mod banding of bleaching/ser/chl/bi/act; weak car banding/k-spar in bleaching/veinlets; has a small veinlet 4E; trace PO found in bleaching near qtz vein
SZ-19-264W	479.17	479.59	0.42	QV	Quartz Vein	Grey/white; CG; no fol; mostly barren and translucent throughout unit; 1% PO found on upper and lower contacts
SZ-19-264W	479.59	488.95	9.36	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; mod banding of bleaching/ser/chl/bi/car/act; trace k-spar in bleaching; trace PO found in bleaching near contacts with units of high alteration (4 ALT and qtz vein)
SZ-19-264W	488.95	490.69	1.74	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG; str fol; str sil; mod-str interstitial bi elongated by foliation; no phenos; str hydrothermal pressure fractures with str ser flooding contains a small veinlet smokey qtz; barren
SZ-19-264W	490.69	500.58	9.89	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; mod banding of bleaching/ser/chl/bi/car/act; trace k-spar in bleaching; trace PO/PY found in bleaching near contacts with units of high alteration (4 ALT). Contains 2 5B minors
SZ-19-264W	500.58	503.10	2.52	5B	Granodiorite	White/grey; FG-CG; no fol; mod diss bi/amph; weak qtz veinlets; barren. Slight pink tinge from k-spar in 4E unit below
SZ-19-264W	503.10	503.90	0.80	4E	Pegmatite	Pink/white; VFG aplitic texture; no fol; massive opaque for 90% of unit; 10% fractures filled with chl/bi. Barren

SZ-19-264W	503.90	504.94	1.04	1ALT	Altered Mafic Volcanic	Medium green/grey/white; FG; str fol; str banded chl/ser/act/alb/car; bands are boudinaged/alternated into unusual patterns; 3% PO/PY at upper and lower contacts. Contains several 5B patches (about 10% of core) and a smokey qtz lower contact
SZ-19-264W	504.94	507.90	2.96	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; weak-mod banding of bleaching/ser/chl/bi/act; trace Blebby PO/PY in bleaching throughout unit
SZ-19-264W	507.90	509.51	1.61	1ALT	Altered Mafic Volcanic	Medium green/grey/white; FG; str fol; str banded chl/ser/act/alb/car; bands are altered into unusual patterns; 3% PO at upper and lower contacts
SZ-19-264W	509.51	510.20	0.69	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG; mod-str fol; str sil; mod interstitial bi elongated by foliation; no phenos; weak hydrothermal pressure fractures with weak ser flooding weak alb banding; 3% PO/PY near contacts; 40% 5B unit with trace grt.
SZ-19-264W	510.20	517.80	7.60	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 1cm; mod banding of bleaching/ser/chl/bi/car/act; weak-mod k-spar in bleaching/veinlets; has a minor and a dyklet of 5B; trace PO/PY found in bleaching near UC
SZ-19-264W	517.80	524.62	6.82	5B	Granodiorite	White/grey; FG-CG; no fol; mod diss bi/amph; barren. Contains 4E minor
SZ-19-264W	524.62	528.05	3.43	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak k-spar in bleaching/veinlets; weak car banding/veins; has a minor of 6E; barren
SZ-19-264W	528.05	530.19	2.14	5B	Granodiorite	White/grey; FG-CG; no fol; mod diss bi/amph; barren.
SZ-19-264W	530.19	545.24	15.05	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak-mod qtz veinlets that contain trace grt (and one 10cm qtz vein); weak car banding/veins; barren
SZ-19-264W	545.24	547.85	2.61	1A	Massive Flows	Medium dark grey green; FG; mod fol; mod interstitial bi; mod pervasive chl; trace wispy bleaching; barren.
SZ-19-264W	547.85	550.20	2.35	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak car banding/veins; 1% PO in 5cm before lower contact with qtz vein
SZ-19-264W	550.20	551.20	1.00	QV	Quartz Vein	White; CG; no fol; 5% stringers/dyklets of ser/1B unit throughout; contains trace very tiny grains of PO/PY in stringers/dyklets
SZ-19-264W	551.20	556.70	5.50	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak car banding/veins; barren
SZ-19-264W	556.70	557.59	0.89	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG; mod-str fol; str sil; mod interstitial bi elongated by foliation; no phenos; weak hydrothermal pressure fractures with weak ser flooding weak alb banding; 5% PO near contacts.
SZ-19-264W	557.59	570.83	13.24	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak car banding/veins; barren. Becomes more CG in the last meter coming up to 4E unit.
SZ-19-264W	570.83	575.67	4.84	4E	Pegmatite	White/grey; CG; no fol; 40% of 4E is white-smokey qtz; 40% white fsp; trace grt; contains 2 minors 1A and many smaller units/patches/xenos 1A; mod bi halos around UC/LC and internal units 1A
SZ-19-264W	575.67	592.56	16.89	1B	Pillowed Flows	Medium green; FG; mod fol; mod small chl alt'd selvages up to 2cm; mod wispy banding of bleaching/ser/chl/bi/act; weak car/kfs patches/veins; mod qtz veins/veinlets; barren. 588.5m has a 10cm section of CG spinifex texture
SZ-19-264W	592.56	638.10	45.54	1A	Massive Flows	Medium grey/green; FG-MG; mod fol; mod per chl; weak bleaching/banding; weak car patches; mod intersital bi; barren
SZ-19-264W	638.10	639.97	1.87	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; barren
SZ-19-264W	639.97	660.25	20.28	1A	Massive Flows	Medium grey/green; FG; mod fol; mod per chl; weak bleaching/banding; weak car patches; mod intersital bi; barren
SZ-19-264W	660.25	666.22	5.97	6B	Gabbro	Medium green/grey; MG; mod fol; mod shear; mod interstitial bleaching and weak crenulation; mod stringer crb; barren
SZ-19-264W	666.22	667.90	1.68	6E	Intermediate Dyke	Medium purple grey; FG; mod fol; weak interstitial bi and crb; stringer chl and qtz; barren
SZ-19-264W	667.90	691.20	23.30	6B	Gabbro	Medium green/grey; MG; mod fol; mod shear; mod interstitial bleaching and weak crenulation; mod stringer crb; barren
SZ-19-264W	691.20	715.10	23.90	1Z	Gabbroic with gradational contacts	Medium green/grey; FG-MG; mod fol; mod shear; mod interstitial bleaching and weak crenulation; mod stringer crb; mod lcl banded qtz; barren
SZ-19-264W	715.10	716.94	1.84	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ MG 20% mod corroded and elongated fsp phenos; mod sil; weak interstitial bi; barren
SZ-19-264W	716.94	759.20	42.26	1A	Massive Flows	Medium-dark grey/green/bluish; FG; mod fol; weak-mod banded patchy bleached ser and crb; weak chl; weak stringer qtz and ser and crb; 15% wispy bleaching; barren
SZ-19-264W	759.20	789.12	29.92	1Z	Gabbroic with gradational contacts	Medium green/grey; FG-MG; mod fol; mod shear; mod interstitial bleaching and weak crenulation; mod stringer crb; mod lcl banded qtz; barren
SZ-19-264W	789.12	791.15	2.03	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG w/ 5% banded albite and 5% speckled chl/amph; trace fracture-halo ser; mod sil; barren
SZ-19-264W	791.15	798.10	6.95	1B	Pillowed Flows	Medium green grey; FG; mod amygdaloidal; trace selvages; mod chl; mod crb; barren
SZ-19-264W	798.10	800.48	2.38	4E	Pegmatite	White/yellow/pink; CG; trace smokey qtz; qtz and albite and msc; trace wispy garnets vFG; barren; strongly alt'd haloed contact at lower w/ str belaching and chl
SZ-19-264W	800.48	802.22	1.74	1A	Massive Flows	Medium green grey; FG; trace amygdaloidal; mod chl; mod crb; mod bi banding; barren


SZ-19-264W	802.22	804.14	1.92	4ALT	Altered Feldspar Porphyry	Medium purple grey; FG w/ 5% banded albite and 5% speckled chl/amph; trace fracture-halo ser; mod sil; barren
SZ-19-264W	804.14	806.40	2.26	6B	Gabbro	Medium green grey; MG; mod chl and bi; weak stringer crb/ser; soft; barren
SZ-19-264W	806.40	851.70	45.30	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	851.70	853.25	1.55	4B	Feldspar Porphyry	Medium purple blue grey; FG gmass w/ MG mod corroded and elongated fsp phenos; mod-str albite banding w/ speckled amph and chl; trace qtz veins; barren
SZ-19-264W	853.25	866.56	13.31	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	866.56	870.85	4.29	4ALT	Altered Feldspar Porphyry	Medium dark purple grey; FG w/ remnant trace fsp phenos; mod albite banding; mod speckled amph/bi; mod-str sil; trace banded qtz; with several minor 1B units; barren
SZ-19-264W	870.85	872.70	1.85	6E	Intermediate Dyke	Medium dark purple grey brown; FG-MG; mod fol; mod banded albite; somewhat similar to 4ALT but less alt'd and no silicification; barren; w/ 1B minor
SZ-19-264W	872.70	874.56	1.86	4B	Feldspar Porphyry	Medium dark purple grey; FG gmass w/ MG mod corroded and elongated fsp phenos ~20%; mod speckled amph/bi; weak-mod sil; barren
SZ-19-264W	874.56	877.41	2.85	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	877.41	882.00	4.59	4ALT	Altered Feldspar Porphyry	Medium dark purple grey; FG w/ remnant trace fsp phenos; mod albite banding; mod speckled amph/bi; str sil and ser bleaching and flooding; mod banded qtz w. lcl speckled PO and SPH up to 3%; barren
SZ-19-264W	882.00	888.96	6.96	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	888.96	889.62	0.66	FZ	Fault Zone	Brecciated w/ open fractures; patchy 5B and 4E w/ str chl and talc alt'n; barren
SZ-19-264W	889.62	891.25	1.63	4ALT	Altered Feldspar Porphyry	Medium dark purple grey; FG w/ remnant trace fsp phenos; mod albite banding; mod speckled amph/bi; mod-str sil; trace banded qtz; barren
SZ-19-264W	891.25	895.82	4.57	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	895.82	896.30	0.48	1ALT	Altered Mafic Volcanic	Medium green; str fol; mod mottled alt'n bi/ser/act/crb; trace qtz veins; barren
SZ-19-264W	896.30	898.70	2.40	4B	Feldspar Porphyry	Medium dark purple grey; FG gmass w/ MG mod corroded and elongated fsp phenos ~20%; mod speckled amph/bi; weak-mod sil; barren
SZ-19-264W	898.70	899.74	1.04	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	899.74	901.56	1.82	1ALT	Altered Mafic Volcanic	Medium green; str fol; mod mottled alt'n bi/ser/act/crb; trace qtz veins; barren
SZ-19-264W	901.56	916.33	14.77	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	916.33	916.90	0.57	1ALT	Altered Mafic Volcanic	Medium green; str fol; mod mottled alt'n bi/ser/act/crb; trace qtz veins; barren
SZ-19-264W	916.90	920.50	3.60	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	920.50	921.60	1.10	4ALT	Altered Feldspar Porphyry	Medium dark purple grey; FG w/ remnant trace fsp phenos; mod albite banding; mod speckled amph/bi; mod-str sil; trace banded qtz; barren
SZ-19-264W	921.60	924.25	2.65	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	924.25	925.75	1.50	4ALT	Altered Feldspar Porphyry	Medium dark purple grey; FG w/ remnant trace fsp phenos; mod albite banding; mod speckled amph/bi; mod-str sil; trace banded qtz; barren
SZ-19-264W	925.75	931.75	6.00	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	931.75	934.40	2.65	4B	Feldspar Porphyry	Medium dark purple grey; FG gmass w/ MG mod corroded and elongated fsp phenos ~20%; mod speckled amph/bi; weak-mod sil; barren
SZ-19-264W	934.40	936.53	2.13	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	936.53	940.78	4.25	4B	Feldspar Porphyry	Medium dark purple grey; FG gmass w/ MG mod corroded and elongated fsp phenos ~20%; mod speckled amph/bi; weak-mod sil; barren
SZ-19-264W	940.78	941.82	1.04	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	941.82	943.64	1.82	4E	Pegmatite	White and grey speckles; MG-CG fsp and smokey qtz; no fol; 5-10% mafic amph and bi speckling; strong wispy irregular contacts w/ str bi halos and some xenoliths; barren
SZ-19-264W	943.64	955.50	11.86	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod amygdaloidal mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	955.50	958.12	2.62	5B	Granodiorite	White and grey speckled; MG; 25% msfc and bi speckling; weak to no fol; mod banded albite and patchy smokey qtz CG; barren
SZ-19-264W	958.12	959.34	1.22	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; weak-mod pervasive chl; weak-mod banded crb/ser/bi; weak lcl speckled garnets; barren
SZ-19-264W	959.34	962.96	3.62	5B	Granodiorite	White and grey speckled; MG; 25% msfc and bi speckling; weak to no fol; mod banded albite and patchy smokey qtz CG; barren
SZ-19-264W	962.96	1024.25	61.29	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod pervasive chl; mod banded crb/ser/bi; weak lcl speckled garnets; patches of str brecciation and healed fractures w/ weak ser bleaching; syenite/pegmatite dyklets; trace sulphides

SZ-19-264W	1024.25	1036.08	11.83	1A	Massive Flows	Medium green grey; FG; weak amygdules; mod dykelet and stringer Qtz/crb; weak lcl bleaching; 5% banded/dyket 5B; barren
SZ-19-264W	1036.08	1037.70	1.62	5B	Granodiorite	White and grey speckled; MG; 25% msfc and bi speckling; weak to no fol; mod banded albite and patchy smokey Qtz CG; very irregular contacts; barren
SZ-19-264W	1037.70	1044.38	6.68	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod pervasive chl; mod banded crb/ser/bi; weak lcl speckled garnets; patches of str brecciation and healed fractures w/ weak ser bleaching; syenite/pegmatite dyklets; trace sulphides

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	788.12	789.12	1.00	160689		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	OREAS 210				160690		5720		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	789.12	790.12	1.00	160691		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	790.12	791.15	1.03	160692		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	791.15	792.15	1.00	160693		7		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	801.22	802.22	1.00	160694		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	802.22	803.22	1.00	160695		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	803.22	804.14	0.92	160696		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	804.14	805.14	1.00	160697		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	823.48	824.48	1.00	160698		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	824.48	825.20	0.72	160699		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Blank				160700		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	825.20	826.00	0.80	160701		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	826.00	827.00	1.00	160702		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	827.00	827.70	0.70	160703		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	827.70	828.20	0.50	160704		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	828.20	829.20	1.00	160705		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	829.20	830.17	0.97	160706		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	830.17	831.13	0.96	160707		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	865.56	866.56	1.00	160708		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	866.56	867.08	0.52	160709		9		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	OREAS 216				160710		6820		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	867.08	867.66	0.58	160711		7		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	867.66	868.24	0.58	160712		9		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	868.24	869.24	1.00	160713		9		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	869.24	870.00	0.76	160714		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	870.00	870.85	0.85	160715		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	870.85	871.68	0.83	160716		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	871.68	872.70	1.02	160717		5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	872.70	873.44	0.74	160718		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	873.44	874.00	0.56	160719		8		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Blank				160720		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	874.00	874.56	0.56	160721		21		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	874.56	875.56	1.00	160722		25		
SZ-19-264W	Sugar Zone	Actlabs	A19-02757	Assay	875.56	876.56	1.00	160723		10		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	876.56	877.44	0.88	160724		10		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	877.44	878.05	0.61	160725		69		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	878.05	879.00	0.95	160726		84		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	879.00	880.00	1.00	160727		8		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	880.00	881.00	1.00	160728		7		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	881.00	882.00	1.00	160729		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	OREAS 215				160730		3620		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	882.00	883.00	1.00	160731		9		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	883.00	884.00	1.00	160732		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	884.00	885.00	1.00	160733		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	885.00	886.00	1.00	160734		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	886.00	887.00	1.00	160735		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	887.00	888.00	1.00	160736		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	888.00	888.96	0.96	160737		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	888.96	889.62	0.66	160738		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	889.62	890.33	0.71	160739		15		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Blank				160740		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	890.33	891.25	0.92	160741		12		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	891.25	892.23	0.98	160742		12		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	892.23	892.72	0.49	160743		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	892.72	893.70	0.98	160744		12		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	893.70	894.70	1.00	160745		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-02929	Assay	894.70	895.33	0.63	160746		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	895.33	895.82	0.49	160747		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	895.82	896.30	0.48	160748		291		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	896.30	897.00	0.70	160749		8		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	OREAS 210				160750		5300		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	897.00	898.00	1.00	160751		12		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	898.00	898.70	0.70	160752		21		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	898.70	899.74	1.04	160753		17		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	899.74	900.30	0.56	160754		2040		



SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	900.30	901.10	0.80	160755		164		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	901.10	901.56	0.46	160756		13		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	901.56	902.56	1.00	160757		62		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	915.33	916.33	1.00	160758		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	916.33	916.90	0.57	160759		5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Blank				160760		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	916.90	917.90	1.00	160761		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	917.90	918.90	1.00	160762		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	918.90	919.90	1.00	160763		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	919.90	920.50	0.60	160764		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	920.50	921.12	0.62	160765		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	921.12	921.60	0.48	160766		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	921.60	922.40	0.80	160767		5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	922.40	923.25	0.85	160768		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	923.25	924.25	1.00	160769		6		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	OREAS 216				160770		6530		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	924.25	925.00	0.75	160771		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	925.00	925.75	0.75	160772		7		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	925.75	926.75	1.00	160773		11		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	930.75	931.75	1.00	160774		5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	931.75	932.50	0.75	160775		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	932.50	933.50	1.00	160776		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	933.50	934.50	1.00	160777		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	934.50	935.50	1.00	160778		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	935.50	936.53	1.03	160779		8		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Blank				160780		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	936.53	937.05	0.52	160781		8		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	937.05	937.87	0.82	160782		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	937.87	938.80	0.93	160783		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	938.80	939.36	0.56	160784		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	939.36	939.92	0.56	160785		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	939.92	940.78	0.86	160786		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	940.78	941.78	1.00	160787		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	990.90	991.90	1.00	160788		< 5		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	991.90	992.75	0.85	160789		90		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	OREAS 215				160790		3450		
SZ-19-264W	Sugar Zone	Actlabs	A19-03930	Assay	992.75	993.75	1.00	160791		< 5		

		Hole Number:		SZ-19-265					
		Drill Rig:		Drill 33					
		Claim Number:							
Location		Drill Hole Orientation		Dates Drilled:	Start Date:		End Date:		
Surface					12-Feb-2019		27-Feb-2019		
Planned Coordinates		Azimuth:	34	Drill Contractor:	Foraco Canada Ltd				
Easting	646040.05								
Northing	5406520.5	Dip:	-66	Dates Logged:	Start Date:		End Date:		
Elevation(m)	422.24				13-Feb-2019		28-Feb-2019		
Final Pick up		Depth(m):	801.00	Logger 1:	Sarah Davis				
Easting					Logger 2:	Josh Zundl			
Northing		Core Size:	NQ	Logger 3:					
Elevation(m)					Assay Lab:	Actlabs			
Casing									
Purpose of Hole	Extend sugar zone to the South	Dip Tests							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Results	Upper Zone 633.17 to 644.22 1Alt And 4 ALT minor qtz with Po Lower Zone 701.55 - 707.33 1ALT and 4 ALT	0.0	36.2	-64.5			41.6		
		27.0	36.2	-64.5	5595	6m stab 18	43.8		
		60.0	36.2	-63.9	5600		43.8		
		90.0	37.0	-63.8	5590	6m Hex; 18	44.6		
		120.0	37.7	-63.5	5569	117m bit c	225.7		
		150.0	38.4	-62.8	5600		46		
		180.0	38.0	-61.9	5616	6m Hex; 18	45.6		
		210.0	40.2	-61.7	5618	6m Hex; 18	47.8		
Comments	Hole left open for future down hole probes	249.0	41.0	-59.3	5599	6m Hex; 18	48.6		
		270.0	40.9	-59.0	5596		48.5		
		300.0	42.2	-58.7	5592		49.8		
		330.0	43.3	-57.9	5602		50.9		
		360.0	44.0	-57.1	5613	6m Hex; 18	51.6		
		390.0	46.8	-56.2	5589	366m char	54.4		
		420.0	47.3	-55.3	5607	6m Hex; 18	54.9		
		450.0	49.2	-54.2	5567	435m stud	56.8		
		Azimuth corrected to 7.6 degrees west declination		480.0	49.8	-53.3	5583		57.4
				510.0	50.2	-52.4	5586		57.8
540.0	51.8			-49.4	5577	6m Hex; 18	59.4		
570.0	52.5			-48.8	5590		60.1		
600.0	52.9			-47.1	5600	6m Hex; 18	60.5		
630.0	53.4			-46.5	5620	6m Hex; 18	61		
660.0	54.2			-46.0	5602	at 564m 6	61.8		
690.0	57.8			-44.5	5691	Taken from	65.4		
720.0	54.5			-43.3	5584		62.1		
750.0	55.1			-41.6	5595	747m char	62.7		
780.0	55.5	-39.4	5591		63.1				
800.0	55.9	-38.6	5593		63.5				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-265	0.00	5.00	5.00	CAS	Casing	
SZ-19-265	5.00	12.77	7.77	1A	Massive Flows	Medium grey; FG-MG; weak fol; patchy diorite; trace stringer ser/crb alt'n; barren
SZ-19-265	12.77	20.40	7.63	6A	Diorite	Grey and white; MG; weak-no fol; sections of str shear looks almost like 4B; 5% granodiorite dyklets; barren
SZ-19-265	20.40	62.17	41.77	1A	Massive Flows	Medium grey/green; FG-MG; weak-mod fol; lcl minor 3D/5B and irregular qtz veinlets; weak chl; mod wispy banded bleaching; trace stringer crb/ser; barren
SZ-19-265	62.17	75.30	13.13	1M	Mafic Debris Flow	1A and 6A fragments mixed; some 5B; mod-str banded bi; possible migmatitic; barren
SZ-19-265	75.30	92.25	16.95	1Z	Gabbroic with gradational contacts	Medium grey/green; MG-FG; patchy ser bleaching; trace stringer crb; barren
SZ-19-265	92.25	99.12	6.87	6A	Diorite	Grey and white; MG; weak-no fol; 5% granodiorite dyklets; barren
SZ-19-265	99.12	101.85	2.73	5B	Granodiorite	Two units differing by grain size and increased mafics in lower half; white w/ 2-10% grey speckling; FG-MG; weak fol; barren
SZ-19-265	101.85	106.60	4.75	1A	Massive Flows	Medium grey/green; FG-MG; weak-mod fol; trace irregular qtz veinlets; weak chl; mod wispy banded bleaching; trace stringer crb/ser; barren
SZ-19-265	106.60	107.80	1.20	4B	Feldspar Porphyry	Medium grey/purple; FG w/ 5% strongly elongated fsp phenos; mod elongated bi; weak pervasive sil; barren
SZ-19-265	107.80	122.72	14.92	1B	Pillowed Flows	Medium grey/green; FG-MG; mod chl alt'd selvages; weak-mod fol; trace irregular qtz veinlets; weak chl; mod wispy banded bleaching; trace stringer crb/ser; barren
SZ-19-265	122.72	124.82	2.10	6A	Diorite	Grey and white; MG; weak-no fol; barren
SZ-19-265	124.82	142.72	17.90	1B	Pillowed Flows	Medium grey/green; FG; mod chl alt'd selvages up to 5cm; weak-mod fol; trace irregular qtz veinlets; weak-mod chl; mod wispy banded bleaching; trace stringer crb/ser; barren
SZ-19-265	142.72	144.38	1.66	5B	Granodiorite	White/grey; FG-MG; no fol; mod diss amph/bi; very long contacts; barren
SZ-19-265	144.38	148.50	4.12	1A	Massive Flows	Medium grey/green; FG; weak-mod fol; mod chl; trace wispy banded bleaching with k-spar rich alteration; stringer/patchy 5B dyklets; barren
SZ-19-265	148.50	153.10	4.60	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; unit is about 35% diorite with chl altered CG; mod interstitial bi; contains several small 5B dyklets; mod per chl; trace PO/PY in qtz-rich 5B veinlet from 152.70-153.00m
SZ-19-265	153.10	162.27	9.17	1A	Massive Flows	Medium grey/green; FG-MG; mod fol; mod chl; mod interstitial bi; trace wispy banded bleaching; stringer/patchy 5B dyklets; mod felsic replacement of groundmass; barren. Contains a minor and a small dyklet 6A
SZ-19-265	162.27	164.77	2.50	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; unit is about 20% diorite with chl altered CG; mod interstitial bi; contains several small 5B dyklets; mod per chl; barren
SZ-19-265	164.77	171.82	7.05	1B	Pillowed Flows	Medium grey/green; FG; mod chl alt'd selvages up to 5cm; mod fol; mod chl; mod wispy banded bleaching with k-spar alteration and car; first 30cm has trace PY. Contains a small unit 4E and 3 minors and several small units of 4B
SZ-19-265	171.82	173.20	1.38	4B	Feldspar Porphyry	Medium grey/purple; FG-MG w/ 20% elongated fsp phenos; mod elongated bi; weak pervasive sil; barren
SZ-19-265	173.20	209.20	36.00	1B	Pillowed Flows	Medium grey/green; FG; mod chl alt'd selvages up to 5cm (str between 198 and 202m); weak banded bi; mod fol; mod chl; mod wispy banded bleaching with k-spar alteration and car; barren. Contains many minors of 4B/5B and small dyklets of those same units
SZ-19-265	209.20	213.35	4.15	4B	Feldspar Porphyry	Medium grey/purple; FG-MG w/ 10% elongated fsp phenos; mod elongated bi; weak pervasive sil; trace alb banding; barren. From 211.52-212.17 it becomes less purple and has 25% smaller phenos - looks closer to a diorite
SZ-19-265	213.35	216.02	2.67	3D	Iron Formation	White/green/grey; mod-str fol; FG; str bedded layers of chl/ser/chert/bi/car; mod-str mag; 2% PO across entire unit - occurs about 5% locally. Unit contains a small 4B dyklet
SZ-19-265	216.02	217.80	1.78	1A	Massive Flows	Green; FG-MG; no fol; str per chl; very weakly magnetic from surrounding units; weak car/alb stringers; barren
SZ-19-265	217.80	224.08	6.28	3D	Iron Formation	White/green/grey; mod-str fol; FG; str bedded layers of chl/ser/chert/bi/car; mod-str mag; Has areas of str bi where there is no mag; 3% PO across entire unit - occurs about 7% locally 1% PY. Unit contains a small 5B dyklet
SZ-19-265	224.08	227.17	3.09	1A	Massive Flows	Medium grey/green; FG; mod fol; mod chl; mod interstitial bi; trace wispy banded bleaching; stringer/patchy 5B dyklets; barren. Contains a minor 3D and a small 4B unit with qtz veinlets
SZ-19-265	227.17	230.92	3.75	3D	Iron Formation	White/green/grey; mod-str fol; FG; str bedded layers of chl/ser/chert/bi/car; mod-str mag; prominent chert banding; 3% PO/PY/CPY across entire unit - occurs about 5% locally.
SZ-19-265	230.92	234.97	4.05	1A	Massive Flows	dark/light grey/medium green; FG-MG; mod fol; mod interstitial bi; mod per chl; mod bleached banding; weak 5B dyklets/qtz veinlets; 2% PO around a qtz vein from 233.52-233.64. Contains a 4B minor and a small 6E section
SZ-19-265	234.97	242.74	7.77	1A	Massive Flows	Dark grey/green; mod fol; FG; mod interstitial bi; weak per chl; trace bleached banding (str between 240.24-240.59m); 1% PO in area of strong banding; trace PY in some fractures; a few small patches/dyklets of 5B
SZ-19-265	242.74	254.67	11.93	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak bleached banding; weak 5B dyklets/car/qtz veinlets; one large qtz vein from 252.56-252.82; some small 5B dyklets that contain qtz have trace PO (around 244.60-245m)
SZ-19-265	254.67	256.83	2.16	4B	Feldspar Porphyry	Light/Medium grey/purple/pink; FG-MG w/ 20% slightly elongated fsp phenos; mod interstitial bi; weak pervasive sil; barren. Contains a few small 5B units - one of which is heavily k-spar altered and ser flooded

SZ-19-265	256.83	271.69	14.86	1A	Massive Flows	White/Grey/Green; FG-MG; mod fol; FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak bleached banding; contains several large patches/dyketts of 5B which have weak-mod k-spar alteration; some fractures are filled with str chl/talc and euhedral sulfides around 257.30-258.30m.
SZ-19-265	271.69	293.59	21.90	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak bleached banding; weak 5B dyketts/car/qtz veinlets; two qtz veins from 286.27-286.43 and 287.07-287.45m; and one large car vein from 292.80-293.14m. Trace PY found in 5B veinlet in first qtz vein
SZ-19-265	293.59	299.17	5.58	1A	Massive Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; mod wispy bleaching/banding bi/ser/act; trace qtz veinlets; barren
SZ-19-265	299.17	300.69	1.52	4E	Pegmatite	White/Pink/smokey; CG; no fol; 60% white felds/20% smokey qtz/15% msc; mod speckled grt; barren
SZ-19-265	300.69	307.66	6.97	1A	Massive Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; weak wispy bleaching/banding bi/ser/act; trace qtz veinlets; barren
SZ-19-265	307.66	309.76	2.10	4B	Feldspar Porphyry	Medium grey/purple; FG-MG w/ 10% elongated fsp phenos; mod fol; mod elongated bi; mod pervasive sil; trace alb banding; weak stringer bi causing pre-sil fracture; barren.
SZ-19-265	309.76	321.08	11.32	1A	Massive Flows	medium green; FG; mod fol; mod interstitial bi (str interstitial bi from 312.13-315.03); mod per chl; mod wispy bleaching/banding bi/ser/act/car veinlets; trace qtz veinlets; barren
SZ-19-265	321.08	327.13	6.05	1B	Pillowed Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; mod small pillow selvages <1cm; mod-str wispy bleaching/banding bi/ser/act/car veinlets; trace qtz veinlets; trace PO in bleached banding around 322-322.30
SZ-19-265	327.13	329.21	2.08	4B	Feldspar Porphyry	Medium grey/purple; FG-MG w/ 10% elongated fsp phenos; mod fol; mod elongated bi; weak-mod pervasive sil; mod alb banding; weak 5B dyklet; barren.
SZ-19-265	329.21	351.59	22.38	1B	Pillowed Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; str small pillow selvages <1cm; str wispy bleaching/banding bi/ser/act/car veinlets; trace speckled grt around car veinlets; trace qtz veinlets; barren
SZ-19-265	351.59	352.25	0.66	4ALT	Altered Feldspar Porphyry	Med purple/grey; FG-CG; mod fol; str sil; 20% small qtz veins throughout unit; weak alb banding; mod interstitial bi; unit overall has about 3% PO and trace PY - all contained around the qtz veins
SZ-19-265	352.25	382.74	30.49	1B	Pillowed Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; str small pillow selvages <1cm (weak until 357.47m - then str); str wispy bleaching/banding bi/ser/act/car veinlets; trace speckled grt around car veinlets; weak qtz veinlets/veins (contains 3 small qtz veins); trace PO between 359-366m. Contains minor 4E and a small ser-flooded 4B unit
SZ-19-265	382.74	384.38	1.64	4E	Pegmatite	White/grey; CG; no fol; 60% white felds; 15% msc; 20% smokey qtz; barren
SZ-19-265	384.38	400.69	16.31	1B	Pillowed Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; str small pillow selvages <1cm (weak until 357.47m - then str); str wispy bleaching/banding bi/ser/act/car veinlets; trace speckled grt around car veinlets; weak qtz veinlets; trace PO by LC
SZ-19-265	400.69	422.14	21.45	1A	Massive Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; weak wispy bleaching/banding bi/ser/act/car; weak qtz veinlets/veins (contains 3 small qtz veins); trace PO around the qtz veins. Contains minor 1B/6E and a small 4E unit.
SZ-19-265	422.14	440.19	18.05	1A	Massive Flows	medium green; FG-MG; mod fol; mod interstitial bi; mod per chl; weak wispy bleaching/banding bi/ser/act; weak qtz veinlets; barren. Contains a minor 4E
SZ-19-265	440.19	457.44	17.25	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak-mod bleached banding; weak 5B dyketts/car veinlets; mod qtz veinlets; trace PO around 454m.
SZ-19-265	457.44	460.48	3.04	1A	Massive Flows	Med green/brown/white; FG; mod-str fol; weak car veinlets; str bi/chl/ser banding; mod qtz veinlets with a vein from 458.97-459.22m. Some k-spar alteration in bleaching; barren
SZ-19-265	460.48	490.63	30.15	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; weak shearing; FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak-mod bleached banding with weak k-spar alteration in some bleaching; weak 4E dyketts/car veinlets; mod qtz veinlets; contains a qtz vein from 467.22-467.64m and an area with str qtz veinlets from 473.28-473.77m; 2% CPY & trace PO in area of qtz veinlets; 1% PO in stringers following foliation in the last 3m of unit
SZ-19-265	490.63	492.31	1.68	4A	Quartz Porphyry	Medium grey/purple; FG-MG w/ 10% qtz phenos uneffected by fol; mod fol; mod elongated bi; weak-mod pervasive sil; barren.
SZ-19-265	492.31	503.11	10.80	1A	Massive Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; weak wispy stringer bi/ser/act/alb; weak qtz veinlets; barren
SZ-19-265	503.11	508.88	5.77	1A	Massive Flows	medium green; FG-MG; mod fol; mod interstitial bi; mod per chl; mod-str ser replacement of FG; weak qtz veinlets; trace car veinlets; barren. Contains a small 5B unit
SZ-19-265	508.88	512.08	3.20	1B	Pillowed Flows	medium green; FG; mod fol; mod interstitial bi; mod per chl; weak small pillow selvages <1cm; str wispy bleaching/banding bi/ser/act/car veinlets; trace qtz veinlets; barren
SZ-19-265	512.08	548.37	36.29	1Z	Gabbroic with gradational contacts	White/Grey/Green; FG-CG; mod fol; weak shearing; mod FG groundmass replaced by felsics; mod per chl; mod interstitial bi; weak bleached banding; weak-mod qtz veinlets/veins; trace car veinlets; contains a qtz vein from 524.32-524.44m; barren


SZ-19-265	548.37	552.25	3.88	1A	Massive Flows	medium green; FG-MG; mod fol; mod interstitial bi; mod per chl; weak qtz veinlets; mod felsic amygdules; barren
SZ-19-265	552.25	555.45	3.20	1A	Massive Flows	medium green; FG-MG; mod fol; mod interstitial bi; mod per chl; weak qtz veinlets; minor felsic bleaching; barren
SZ-19-265	555.45	557.03	1.58	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; weak alb banding; weak hydrothermal pressure fractures with mod ser flooding; 5cm haloes of altered chl/ser on each contact with 1% PO - unit is otherwise barren
SZ-19-265	557.03	573.22	16.19	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; trace car veinlets; mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 2cm; trace grt in bleaching; barren
SZ-19-265	573.22	574.55	1.33	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; weak alb banding; weak hydrothermal pressure fractures with str ser flooding in first half - none in lower half; barren. Contains 1B minor
SZ-19-265	574.55	597.50	22.95	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; trace car veinlets; mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; trace grt in bleaching; barren. Contains small unit of 4E
SZ-19-265	597.50	598.56	1.06	4B	Feldspar Porphyry	Med purple/white; FG-MG; mod fol; mod interstitial bi; str alb banding; 10% felds phenos up to 1cm; mod sil; trace PO in unit and at UC
SZ-19-265	598.56	616.41	17.85	1B	Pillowed Flows	Med green; FG; mod fol; weak qtz veinlets; weak-mod car veinlets; mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; str tiny fractures filled with alb/ser; trace grt in bleaching; trace PO from minor and some bleaching around 611m. Contains a minor 4E
SZ-19-265	616.41	617.90	1.49	4ALT	Altered Feldspar Porphyry	Dark Purple; FG; mod fol; mod sil; mod interstitial bi; weak-mod alb banding; mod hydrothermal pressure fractures with weak ser flooding; weak qtz veinlets; barren.
SZ-19-265	617.90	621.01	3.11	1B	Pillowed Flows	Med green; FG; mod fol; weak-mod qtz veinlets; trace car veinlets; weak-mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; barren
SZ-19-265	621.01	623.65	2.64	5B	Granodiorite	White/grey/pink; FG-MG; no fol; mod interstitial bi/amph; mod bi stringers (str for first meter) that cause fractures; contains minor of 4E at 622.05-622.45m and becomes mod k-spar altered after this minor; 10% felds eyes; barren
SZ-19-265	623.65	626.02	2.37	1A	Massive Flows	Med green; FG; mod fol; weak qtz veinlets; trace car veinlets; weak-mod wispy bleached banding; mod interstitial/banded bi; mod per chl; trace chl altered selvages; barren. Contains minor 4E and a couple large patches of 4E
SZ-19-265	626.02	627.98	1.96	4E	Pegmatite	50% 4E/50% 1A (similar to surrounding units) - core is cut directly through contact; 4E is white/smokey/pink; FG-CG; no fol; 5% msc; 30% smokey qtz; 30% white felds; 30% k-spar; barren
SZ-19-265	627.98	631.35	3.37	1A	Massive Flows	Med green; FG; mod fol; weak qtz veinlets; trace car veinlets; weak-mod wispy bleached banding; trace speckled grt; mod interstitial/banded bi; mod per chl; trace chl altered selvages; barren.
SZ-19-265	631.35	632.13	0.78	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; mod alb banding; weak hydrothermal pressure fractures with weak ser flooding; mod qtz veinlets; weak ser stringers; 1% PO near qtz veinlets
SZ-19-265	632.13	633.17	1.04	1A	Massive Flows	Med green; FG; mod fol; weak qtz veinlets; weak-mod wispy bleached banding; mod interstitial/banded bi; mod per chl; trace PO in bleaching
SZ-19-265	633.17	638.52	5.35	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; mod sil alb banding; mod qtz veinlets; trace speckled grt; first 28cm are a very similar 4B unit; trace PO in banding/veinlets
SZ-19-265	638.52	638.85	0.33	1ALT	Altered Mafic Volcanic	Green/white; str fol; FG; str banded chl/ser/bi with 30% smokey qtz veinlets; 4% PO
SZ-19-265	638.85	644.03	5.18	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; mod sil alb banding; mod qtz veinlets; 1% PO/ trace PY in banding/veinlets. From 643.22-643.50m there is a large qtz/ser flooded fracture that splits up the unit to be about 50% 1ALT/50% 4ALT - contains 5%PO/1% PY; after unit there is mod ser flooded pressure fractures.
SZ-19-265	644.03	644.33	0.30	1ALT	Altered Mafic Volcanic	Green/white; str fol; FG; str banded chl/ser/bi; trace smokey qtz veinlets; 2% PO
SZ-19-265	644.33	652.02	7.69	1B	Pillowed Flows	Med green; FG; mod fol; weak qtz veinlets; trace car veinlets; mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; barren
SZ-19-265	652.02	653.09	1.07	4ALT	Altered Feldspar Porphyry	Light green/slight traces of purple; mod fol; FG-MG; str sil; weak interstitial bi; very str ser flooding; mod pressure fractures; weak smokey qtz veinlets; trace phenos from porphyry left but misshapen; 1% speckled grt; trace PO
SZ-19-265	653.09	653.42	0.33	1ALT	Altered Mafic Volcanic	Green/white; str fol; FG; mod banded chl/ser/bi; weak smokey qtz veinlets; trace speckled grt; barren
SZ-19-265	653.42	654.08	0.66	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; str alb banding; mod qtz veinlets; 5% phenos found in last 10cm of unit; trace PO
SZ-19-265	654.08	663.87	9.79	1B	Pillowed Flows	Med green; FG; mod fol; weak-mod qtz veinlets; weak-mod car veinlets; mod wispy bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 2cm; barren
SZ-19-265	663.87	664.35	0.48	FZ	Fault Zone	Green; FG; no fol; str per/stringer chl; strongly fractured; contains lots of clays; barren
SZ-19-265	664.35	664.96	0.61	1A	Massive Flows	Med green; FG; mod fol; weak-mod wispy bleached banding; mod interstitial/banded bi; mod per chl; barren. Unit until 664.60 is str chl altered - similar to FZ but without as much fracturing

SZ-19-265	664.96	665.82	0.86	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; mod sil alb banding; mod qtz veinlets; 1% PO in banding/veinlets. Trace phenos; contains 20cm section of 1A in the middle
SZ-19-265	665.82	669.93	4.11	1B	Pillowed Flows	Med green; FG; mod fol; mod-str qtz veinlets; weak car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; trace PO in first meter of unit
SZ-19-265	669.93	670.43	0.50	1ALT	Altered Mafic Volcanic	Green/white/brown; str fol; FG; str banded chl/ser/bi; mod smokey qtz veinlets; 2% PO disseminated throughout
SZ-19-265	670.43	680.29	9.86	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; mod car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 3cm; trace PO in bleaching throughout unit
SZ-19-265	680.29	681.51	1.22	1A	Massive Flows	Green; FG-MG; no fol; str per chl; barren
SZ-19-265	681.51	682.89	1.38	4B	Feldspar Porphyry	Med purple/white; FG-MG; mod fol; mod interstitial bi; mod alb banding with the first 30cm of unit being almost entirely albite banding; 5% felds phenos up to 1cm; mod sil; weak hydrothermal pressure fractures; barren
SZ-19-265	682.89	684.74	1.85	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; mod car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 2cm; barren
SZ-19-265	684.74	685.39	0.65	1ALT	Altered Mafic Volcanic	Green/white/brown; str fol; FG; str wispy banded chl/ser/bi; weak car/qtz veinlet banding; 3% PO disseminated throughout
SZ-19-265	685.39	701.55	16.16	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; mod car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; weak felsic amygdules; mod chl altered selvages up to 2cm; trace PO/PY in bleaching throughout unit. Contains minor 4B
SZ-19-265	701.55	702.19	0.64	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; weak sil alb banding; weak qtz veinlets; weak hydrothermal pressure fractures; barren; trace phenos
SZ-19-265	702.19	702.52	0.33	1ALT	Altered Mafic Volcanic	Green/white/brown; str fol; FG; str banded chl/ser/bi; weak qtz veinlets; barren
SZ-19-265	702.52	703.35	0.83	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; mod-str sil; mod interstitial bi; mod sil alb banding; weak qtz veinlets; weak hydrothermal pressure fractures; barren; trace phenos
SZ-19-265	703.35	703.65	0.30	1ALT	Altered Mafic Volcanic	Green/white/brown; str fol; FG; str banded chl/ser/bi; mod qtz veinlets; barren
SZ-19-265	703.65	704.82	1.17	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets; mod car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; mod chl altered selvages up to 1cm; barren
SZ-19-265	704.82	706.36	1.54	4ALT	Altered Feldspar Porphyry	Med Purple; FG-MG; mod fol; mod-str sil; mod interstitial bi; mod sil alb banding; weak qtz veinlets; weak hydrothermal pressure fractures; barren; 5% phenos
SZ-19-265	706.36	707.33	0.97	1ALT	Altered Mafic Volcanic	Green/white/brown; mod-str fol; FG; mod wispy banded chl/ser/bi; weak qtz veinlets; 2% PO
SZ-19-265	707.33	715.83	8.50	1B	Pillowed Flows	Med green; FG; mod fol; mod-str qtz veinlets; weak car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; weak felsic amygdules; mod chl altered selvages up to 2cm; barren
SZ-19-265	715.83	716.92	1.09	6E	Intermediate Dyke	Grey; FG-MG; mod fol; mod interstitial amph/bi with MG phenos; barren
SZ-19-265	716.92	748.66	31.74	1B	Pillowed Flows	Med green; FG; mod fol; mod qtz veinlets - some containing str ser/epidote flooding; mod car veinlets; mod bleached banding; mod interstitial/banded bi; mod per chl; mod felsic amygdules; mod chl altered selvages up to 3cm; trace PO in bleaching around 720.50/724.04/736.10m. Contains minor 4B
SZ-19-265	748.66	750.64	1.98	4B	Feldspar Porphyry	Med Purple; FG-MG; mod fol; mod sil; mod interstitial bi; mod-str sil alb banding; 7% phenos; barren
SZ-19-265	750.64	780.00	29.36	1B	Pillowed Flows	Med green/grey; FG; mod fol; mod qtz veinlets; trace car veinlets; weak bleached banding; mod interstitial/banded bi; weak-mod per chl; trace felsic amygdules; weak chl altered selvages up to 2cm; contains 2 large qtz veins (1 is a minor); 1%PO/trace PY in 2 meters near LC
SZ-19-265	780.00	780.85	0.85	1ALT	Altered Mafic Volcanic	Green/white/grey/brown; str banded bi/chl/ser/qtz veinlets; large unfoliated patch of bi/chl for about 20cm in the middle; 2% PO
SZ-19-265	780.85	801.00	20.15	1B	Pillowed Flows	Med green/grey; FG; mod fol; mod qtz veinlets; trace car veinlets; mod lcl bleached banding; mod interstitial/lcl banded bi; weak per chl; weak felsic amygdules; weak chl altered selvages up to 1cm; 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-19-265		Actlabs	A19-03932			Assay	251.56	252.56	1.00	160792		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	252.56	252.86	0.30	160793		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	252.86	253.86	1.00	160794		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	349.59	350.59	1.00	160795		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	350.59	351.59	1.00	160796		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	351.59	352.25	0.66	160797		6		
SZ-19-265		Actlabs	A19-03932			Assay	352.25	353.25	1.00	160798		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	472.28	473.28	1.00	160799		< 5		
SZ-19-265		Actlabs	A19-03932			Blank				160800		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	473.28	473.77	0.49	160801		19		
SZ-19-265		Actlabs	A19-03932			Assay	473.77	474.77	1.00	160802		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	554.45	555.45	1.00	160803		12		
SZ-19-265		Actlabs	A19-03932			Assay	555.45	556.25	0.80	160804		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	556.25	557.03	0.78	160805		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	557.03	558.03	1.00	160806		12		
SZ-19-265		Actlabs	A19-03932			Assay	572.22	573.22	1.00	160807		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	573.22	573.83	0.61	160808		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	573.83	574.19	0.36	160809		6		
SZ-19-265		Actlabs	A19-03932			OREAS 210				160810		5420		
SZ-19-265		Actlabs	A19-03932			Assay	574.19	574.55	0.36	160811		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	574.55	575.55	1.00	160812		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	615.41	616.41	1.00	160813		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	616.41	617.15	0.74	160814		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	617.15	617.90	0.75	160815		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	617.90	618.90	1.00	160816		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	630.35	631.35	1.00	160817		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	631.35	632.13	0.78	160818		5		
SZ-19-265		Actlabs	A19-03932			Assay	632.13	632.71	0.58	160819		5		
SZ-19-265		Actlabs	A19-03932			Blank				160820		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	632.71	633.17	0.46	160821		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	633.17	633.86	0.69	160822		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	633.86	634.77	0.91	160823		15		
SZ-19-265		Actlabs	A19-03932			Assay	634.77	635.72	0.95	160824		10		
SZ-19-265		Actlabs	A19-03932			Assay	635.72	636.67	0.95	160825		254		
SZ-19-265		Actlabs	A19-03932			Assay	636.67	637.62	0.95	160826		13		
SZ-19-265		Actlabs	A19-03932			Assay	637.62	638.52	0.90	160827		65		
SZ-19-265		Actlabs	A19-03932			Assay	638.52	638.85	0.33	160828		70		
SZ-19-265		Actlabs	A19-03932			Assay	638.85	639.80	0.95	160829		46		
SZ-19-265		Actlabs	A19-03932			OREAS 216				160830		6630		
SZ-19-265		Actlabs	A19-03932			Assay	639.80	640.75	0.95	160831		> 10000	14.6	17.2
SZ-19-265		Actlabs	A19-03932			Assay	640.75	641.70	0.95	160832		7		
SZ-19-265		Actlabs	A19-03932			Assay	641.70	642.55	0.85	160833		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	642.55	643.18	0.63	160834		34		
SZ-19-265		Actlabs	A19-03932			Assay	643.18	643.52	0.34	160835		88		
SZ-19-265		Actlabs	A19-03932			Assay	643.52	644.03	0.51	160836		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	644.03	644.33	0.30	160837		75		
SZ-19-265		Actlabs	A19-03932			Assay	644.33	645.33	1.00	160838		9		
SZ-19-265		Actlabs	A19-03932			Assay	651.02	652.02	1.00	160839		7		
SZ-19-265		Actlabs	A19-03932			Blank				160840		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	652.02	652.54	0.52	160841		22		
SZ-19-265		Actlabs	A19-03932			Assay	652.54	653.09	0.55	160842		15		
SZ-19-265		Actlabs	A19-03932			Assay	653.09	653.42	0.33	160843		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	653.42	654.08	0.66	160844		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	654.08	655.08	1.00	160845		< 5		
SZ-19-265		Actlabs	A19-03932			Assay	663.81	664.60	0.79	160846		8		
SZ-19-265		Actlabs	A19-03932			Assay	664.60	664.96	0.36	160847		27		
SZ-19-265		Actlabs	A19-03932			Assay	664.96	665.82	0.86	160848		47		
SZ-19-265		Actlabs	A19-03932			Assay	665.82	666.82	1.00	160849		20		
SZ-19-265		Actlabs	A19-03932			OREAS 215				160850		3390		
SZ-19-265		Actlabs	A19-03932			Assay	666.82	667.60	0.78	160851		35		
SZ-19-265		Actlabs	A19-03936			Assay	667.60	668.40	0.80	160852		33		
SZ-19-265		Actlabs	A19-03936			Assay	668.40	669.20	0.80	160853		34		
SZ-19-265		Actlabs	A19-03936			Assay	669.20	669.93	0.73	160854		18		
SZ-19-265		Actlabs	A19-03936			Assay	669.93	670.43	0.50	160855		645		
SZ-19-265		Actlabs	A19-03936			Assay	670.43	671.43	1.00	160856		20		
SZ-19-265		Actlabs	A19-03936			Assay	671.43	672.43	1.00	160857		13		
SZ-19-265		Actlabs	A19-03936			Assay	683.74	684.74	1.00	160858		11		
SZ-19-265		Actlabs	A19-03936			Assay	684.74	685.39	0.65	160859		10		
SZ-19-265		Actlabs	A19-03936			Blank				160860		< 5		
SZ-19-265		Actlabs	A19-03936			Assay	685.39	686.39	1.00	160861		18		
SZ-19-265		Actlabs	A19-03936			Assay	689.73	690.73	1.00	160862		8		
SZ-19-265		Actlabs	A19-03936			Assay	690.73	691.73	1.00	160863		10		
SZ-19-265		Actlabs	A19-03936			Assay	691.73	692.73	1.00	160864		8		
SZ-19-265		Actlabs	A19-03936			Assay	700.55	701.55	1.00	160865		< 5		
SZ-19-265		Actlabs	A19-03936			Assay	701.55	702.19	0.64	160866		< 5		
SZ-19-265		Actlabs	A19-03936			Assay	702.19	702.52	0.33	160867		8		
SZ-19-265		Actlabs	A19-03936			Assay	702.52	703.35	0.83	160868		< 5		

SZ-19-265	Actlabs	A19-03936			Assay	703.35	703.65	0.30	160869		< 5		
SZ-19-265	Actlabs	A19-03936			OREAS 210				160870		5510		
SZ-19-265	Actlabs	A19-03936			Assay	703.65	704.10	0.45	160871		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	704.10	704.82	0.72	160872		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	704.82	705.50	0.68	160873		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	705.50	706.36	0.86	160874		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	706.36	707.33	0.97	160875		8		
SZ-19-265	Actlabs	A19-03936			Assay	707.33	708.34	1.01	160876		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	708.34	709.34	1.00	160877		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	747.66	748.66	1.00	160878		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	748.66	749.66	1.00	160879		< 5		
SZ-19-265	Actlabs	A19-03936			Blank				160880		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	749.66	750.64	0.98	160881		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	750.64	751.64	1.00	160882		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	759.27	760.22	0.95	160883		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	760.22	760.52	0.30	160884		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	760.52	760.88	0.36	160885		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	760.88	761.22	0.34	160886		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	761.22	762.22	1.00	160887		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	762.22	763.22	1.00	160888		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	779.00	780.00	1.00	160889		< 5		
SZ-19-265	Actlabs	A19-03936			OREAS 216				160890		6700		
SZ-19-265	Actlabs	A19-03936			Assay	780.00	780.85	0.85	160891		< 5		
SZ-19-265	Actlabs	A19-03936			Assay	780.85	781.85	1.00	160892		< 5		



		Hole Number:		SZ-19-266			
		Drill Rig:		Drill 20			
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:		End Date:
Surface					26-Mar-2019		6-Apr-2019
Planned Coordinates		Azimuth:	24	Drill Contractor:	Foraco Canada Ltd		
Easting	646148.9						
Northing	5406719	Dip:	-76	Dates Logged:	Start Date:		End Date:
Elevation(m)	436.52				28-Mar-2019		6-Apr-2019
Final Pick up		Depth(m):	642.00	Logger 1:	Josh Zundl		
Easting					Logger 2:	Andrew Wehrfritz	
Northing		Core Size:	NQ	Logger 3:		Jordan Keir-Sage	
Elevation(m)					Assay Lab:	Actlabs	
Casing							
Purpose of Hole	Drill for South Extension of Upper and Lower Zone of Sugar Zone	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	UZ 484.2 - 493.44 4ALT with 492.14 - 493.44 1ALT plus QV LZ 525.28 - 526.1 4ALT FW Zone 594.24 - 594.74 1ALT with QV	0.0	24.0	-76.0		Planned	31.6
		21.0	22.2	-76.6	5672	6m Hex; 18	29.8
		51.0	24.7	-76.4	5663	6m Hex; 18	32.3
		81.0	26.4	-75.3	5629	at 63m 6m	34
		111.0	26.9	-74.4	5668	6m Standa	34.5
		141.0	29.1	-74.2	5648	6m Standa	36.7
		174.0	28.1	-73.1	5752	6m Standa	35.7
		204.0	32.6	-72.0	5647	204 Chang	40.2
		234.0	33.6	-71.4	5658	6m Standa	41.2
		Comments	Block error at Core Barrel change at 12-15 meter interval. This error was not fixed until the 201-204 meter mark where 201m was used twice to fix things. This Log reflects the correct information as if the error never happened but pictures, the core and the dip tests are incorrect between 12	264.0	40.4	-69.2	5648
294.0	38.8			-68.5	5654	6m Standa	46.4
324.0	39.0			-67.9	5649	at 327m 6r	46.6
354.0	39.4			-66.8	5628	6m Standa	47
387.0	42.7			-66.5	5637	6m Standa	50.3
417.0	44.0			-65.5	5619	6m Standa	51.6
447.0	47.9			-62.6	5613	435m char	55.5
Azimuth corrected to 7.6 degrees west declination		477.0	46.5	-61.7	5670	6m Standa	54.1
		507.0	49.5	-61.0	5669	at 495m 6	57.1
		537.0	49.5	-60.1	5634	6m Stab; 1	57.1
		567.0	49.6	-58.5	5656	6m Stab; 1	57.2
		597.0	52.5	-57.4	5648	6m Stab; 1	60.1
		642.0	53.1	-54.6	5648	6m Stab; 1	60.7

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-266	0.00	2.15	2.15	CAS	Casing	
SZ-19-266	2.15	22.40	20.25	1A	Massive Flows	Light/dark grey/slightly green; FG-MG; mod fol; weak per chl; mod interstitial bi; weak-mod wispy bleached banding; weak-mod qtz veinlets; weak alb stringers; groundmass is a lighter grey while courser grains are darker/chl altered; contains 2 minors 5B and a minor 4E; barren
SZ-19-266	22.40	30.11	7.71	1B	Pillowed Flows	Light/dark grey/slightly green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; weak-mod qtz veinlets; trace car veinlets; mod chl altered selvages up to 5cm; barren
SZ-19-266	30.11	36.00	5.89	1A	Massive Flows	Light/dark grey/slightly green; FG-MG; mod fol; weak per chl; mod interstitial bi; weak-mod wispy bleached banding; weak-mod qtz veinlets/veins; weak alb stringers; groundmass is a lighter grey while courser grains are darker/chl altered; barren
SZ-19-266	36.00	37.66	1.66	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz veinlets; 20% phenos; barren
SZ-19-266	37.66	39.60	1.94	6B	Gabbro	Light/dark grey/slightly green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak-mod wispy bleached banding; weak car veinlets; groundmass is a lighter grey while courser grains are darker/chl altered; has a small section of 1B at LC; barren
SZ-19-266	39.60	41.88	2.28	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; very weak shearing; mod interstitial bi slightly elongated; trace qtz veinlets; 15% phenos; barren
SZ-19-266	41.88	77.80	35.92	1A	Massive Flows	Light/dark grey/slightly green; FG-MG; mod fol; weak per chl; mod interstitial bi; weak-mod wispy bleached banding; weak qtz veinlets; weak alb stringers; trace car veinlets; groundmass is a lighter grey while courser grains are darker/chl altered; barren
SZ-19-266	77.80	105.11	27.31	1B	Pillowed Flows	Light/dark green; FG-MG; mod fol; mod per chl; localized areas with MG - appear more 1A like; mod interstitial/weakly banded bi; mod wispy bleached banding; weak qtz veinlets; trace car veinlets; weak chl altered selvages up to 1cm; barren
SZ-19-266	105.11	107.27	2.16	5B	Granodiorite	Light/dark grey; FG-MG; no fol; weak qtz veinlets; weak interstitial bi; weak MG felds; barren
SZ-19-266	107.27	110.51	3.24	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; weak shearing at UC - gradually becomes unshaped by end of unit; mod interstitial bi slightly elongated; trace qtz veinlets; weak-mod alb bands; <5%-5% phenos; has a small 4E unit; barren
SZ-19-266	110.51	114.30	3.79	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; mod car veinlets; weak chl altered selvages up to 1cm; contains a minor 4B; barren
SZ-19-266	114.30	117.54	3.24	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz veinlets; weak alb bands; <5% phenos; has a minor 1B unit; barren
SZ-19-266	117.54	172.10	54.56	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; mod car veinlets; weak qtz veinlets; weak-mod chl altered selvages up to 3cm; contains a minor 4E/2 minors 5B/2 minors 7C/1 minor 4B; barren
SZ-19-266	172.10	173.64	1.54	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz veinlets; mod alb bands with mod ser flooding in them; <5% phenos; barren
SZ-19-266	173.64	199.13	25.49	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; mod car veinlets; weak qtz veinlets; weak-mod chl altered selvages up to 3cm; contains a minor 6E; barren
SZ-19-266	199.13	210.37	11.24	1B	Pillowed Flows	Light/dark green/brown; FG; mod fol; mod per chl; mod-str banded bi; mod wispy bleached banding; weak qtz veinlets; weak-mod chl altered selvages up to 3cm; trace PO
SZ-19-266	210.37	221.04	10.67	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; mod car veinlets; weak qtz veinlets; weak-mod chl altered selvages up to 3cm; barren
SZ-19-266	221.04	223.42	2.38	6E	Intermediate Dyke	Light/dark grey; FG-MG; mod fol; weak qtz veinlets; mod interstitial bi elongated with fol; mod stringer chl; barren
SZ-19-266	223.42	261.62	38.20	1A	Massive Flows	Light/dark green; FG-MG; mod fol; mod per chl; mod interstitial/weakly banded bi; weak wispy bleached banding; weak car veinlets; mod qtz veinlets; contains a minor 6E; barren
SZ-19-266	261.62	276.14	14.52	6B	Gabbro	Light green/grey/ dark green; FG-CG; mod fol; mod shearing; felsic groundmass foliated around chl altered coarse grains to form a ribboned/augen texture with some areas of spinifex texture; weak ser bleaching; trace car patches; mod per chl; weak interstitial bi; contains 2 minors 5B; barren
SZ-19-266	276.14	325.58	49.44	6B	Gabbro	Light green/grey/ dark green; FG-CG; weak-mod fol; felsic groundmass with rounded chl altered coarse grains; weak ser bleaching; trace car patches; mod per chl; weak interstitial bi; weak qtz veinlets/veins; barren
SZ-19-266	325.58	334.57	8.99	1A	Massive Flows	Light/dark green; FG-MG; mod fol; mod per chl; mod interstitial bi; long gradational contact with 6B is about a meter long; weak wispy bleached banding; weak car veinlets; weak qtz veinlets; trace PO
SZ-19-266	334.57	336.32	1.75	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; weak sil; mod interstitial bi; trace alb bands; 7% phenos; barren
SZ-19-266	336.32	345.43	9.11	1A	Massive Flows	Light/dark green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak wispy bleached banding; weak car veinlets; weak qtz veinlets; trace PO

SZ-19-266	345.43	348.51	3.08	4B	Feldspar Porphyry	Purple/grey; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz veinlets; mod alb bands with weak ser flooding in them; 10% phenos with trace k-spar alteration; barren
SZ-19-266	348.51	359.15	10.64	1Z	Gabbroic with gradational contacts	Light/dark green; FG-MG; mod fol; fluctuates between areas close to 1B and sheared MG gabbroic sections; mod per chl; mod interstitial bi; mod-str wispy bleached banding/ribboning in sheared sections; trace chl altered selvages <1cm; weak car veinlets; mod qtz veinlets; contains minor 4E; barren
SZ-19-266	359.15	382.82	23.67	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleached banding; mod car veinlets; weak qtz veinlets; weak chl altered selvages up to 1cm; barren
SZ-19-266	382.82	409.94	27.12	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 veinlets and veins intermittently throughout the unit.
SZ-19-266	409.94	412.00	2.06	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a minor to moderate amount of straining. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures.
SZ-19-266	412.00	420.05	8.05	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 veinlets and veins intermittently throughout the unit.
SZ-19-266	420.05	422.00	1.95	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a high degree of straining. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures.
SZ-19-266	422.00	428.05	6.05	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 veinlets and veins intermittently throughout the unit.
SZ-19-266	428.05	453.80	25.75	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 occasional biotite banding. Quartz veinlets and veins intermittently throughout the unit.
SZ-19-266	453.80	463.55	9.75	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 veinlets and veins intermittently throughout the unit.
SZ-19-266	463.55	464.75	1.20	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures.
SZ-19-266	464.75	484.20	19.45	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 occasional biotite banding. Quartz veinlets and veins intermittently throughout the unit.
SZ-19-266	484.20	492.14	7.94	4ALT	Altered Feldspar Porphyry	fg grey unit with a purple hue; moderate to high degree of silicification. Fg silica based ground mass with highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. Green alteration banding in certain sections. <1% py and po overall; associated with Smokey quartz veinlets that cross cut the unit intermittently. Narrow sections of pegmatite throughout.
SZ-19-266	492.14	492.40	0.26	QV	Quartz Vein	Smokey quartz vein with 6 specs of vg; up to 3% py/po; trace cpy ; sph and galena
SZ-19-266	492.40	493.00	0.60	1ALT	Altered Mafic Volcanic	fg to mg dark green; brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by wavy light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin wavy biotite banding. Quartz flooding between some bands associated with up to 2% py disseminated.
SZ-19-266	493.00	493.44	0.44	4ALT	Altered Feldspar Porphyry	fg grey unit with a purple hue; moderate to high degree of silicification. Fg silica based ground mass with highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. Green alteration banding in certain sections. Trace sulphides.

SZ-19-266	493.44	513.06	19.62	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit. Narrow intermittent sections of 4B.
SZ-19-266	513.06	514.19	1.13	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures.
SZ-19-266	514.19	525.28	11.09	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	525.28	526.10	0.82	4ALT	Altered Feldspar Porphyry	fg grey unit with a pink/purple hue; high degree of silicification. Fg silica based ground mass with moderately to highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. Green alteration banding in certain sections.
SZ-19-266	526.10	530.70	4.60	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	530.70	537.50	6.80	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 stringers and wisps intermittently throughout the unit. Fracture zone from 537 to 537.5 with up to 20 fractures; this section is associated with a light colour and increased chlorite alteration (softer)
SZ-19-266	537.50	538.77	1.27	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. moderate amounts of silicification. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures. White bands of albite cross cut the unit. Smokey quartz vein from 537.83 to 537.95m.
SZ-19-266	538.77	571.87	33.10	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit. Large barren quartz vein from 542.7 to 543.42. Po and py stringers at 555m and 555.2m.
SZ-19-266	571.87	574.21	2.34	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. moderate amounts of silicification. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures. White bands of albite cross cut the unit. S
SZ-19-266	574.21	575.58	1.37	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	575.58	578.30	2.72	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. moderate amounts of silicification. Minor amounts of biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures. White bands of albite cross cut the unit.
SZ-19-266	578.30	594.24	15.94	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	594.24	594.45	0.21	1ALT	Altered Mafic Volcanic	fg to mg dark green; brown and grey mafic unit with a banded texture and weak foliation. Mafics accompanied by wavy light green alteration bands composed of chlorite/epidote and a weak degree of thin wavy biotite banding. Quartz flooding between some bands associated with up to 2% py disseminated.
SZ-19-266	594.45	594.65	0.20	QV	Quartz Vein	Smokey quartz vein with; up to 3% py; trace cpy

SZ-19-266	594.65	594.79	0.14	1ALT	Altered Mafic Volcanic	fg to mg dark green; brown and grey mafic unit with a banded texture and weak foliation. Mafics accompanied by wavy light green alteration bands composed of chlorite/epidote and a weak degree of thin wavy biotite banding. Quartz flooding between some bands associated with up to 2% py disseminated.
SZ-19-266	594.79	620.92	26.13	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	620.92	630.72	9.80	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. moderate amounts of silicification. moderate amount of black biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures. White bands of albite cross cut the unit.
SZ-19-266	630.72	631.98	1.26	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.
SZ-19-266	631.98	639.56	7.58	4B	Feldspar Porphyry	fg to mg; light grey felsic unit with a purple hue. Unit is composed predominately of a fg felsic ground mass with millimetric feldspar phenocrysts suspended throughout. Phenocrysts contain a moderate degree of straining. moderate amounts of silicification. moderate amount of black biotite interstitially. Light green sericite alteration haloes surrounding occasional healed fractures. White bands of albite cross cut the unit.
SZ-19-266	639.56	642.00	2.44	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 occasional biotite banding. Quartz stringers and wisps intermittently throughout the unit.

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	482.21	483.09	0.88	166578	0.018	18		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	483.09	484.20	1.11	166579	0.022	22		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Blank			0.00	166580	0.0025	< 5		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	484.20	484.75	0.55	166581	0.045	45		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	484.75	485.26	0.51	166582	0.169	169		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	485.26	485.78	0.52	166583	0.09	90		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	485.78	486.30	0.52	166584	0.076	76		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	486.30	487.00	0.70	166585	1.3	1300		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	487.00	488.00	1.00	166586	0.068	68		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	488.00	489.00	1.00	166587	0.014	14		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	488.00	490.00	2.00	166588	0.668	668		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	490.00	491.00	1.00	166589	0.019	19		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	OREAS 216			0.00	166590	6.41	6410		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	491.00	491.32	0.32	166591	0.105	105		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	491.32	491.77	0.45	166592	0.303	303		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	491.77	492.14	0.37	166593	1.06	1060		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	492.14	492.48	0.34	166594	102	> 10000	115	102
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	492.48	493.00	0.52	166595	0.365	365		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	493.00	493.44	0.44	166596	0.122	122		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	493.44	494.00	0.56	166597	0.223	223		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	494.00	495.00	1.00	166598	0.041	41		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	495.00	495.52	0.52	166599	0.064	64		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Blank			0.00	166600	0.0025	< 5		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	524.00	524.70	0.70	166601	0.0025	< 5		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	524.70	525.28	0.58	166602	0.0025	< 5		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	525.28	526.11	0.83	166603	0.052	52		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	526.11	526.58	0.47	166604	0.0025	< 5		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	526.58	527.34	0.76	166605	0.008	8		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	537.50	537.83	0.33	166606	0.006	6		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	537.83	538.15	0.32	166607	0.018	18		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	538.15	538.77	0.62	166608	0.013	13		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	538.77	539.50	0.73	166609	0.006	6		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	OREAS 210			0.00	166610	5.31	5310		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	592.24	593.24	1.00	166611	0.022	22		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	593.24	594.24	1.00	166612	0.015	15		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	594.24	594.79	0.55	166613	0.18	180		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	594.79	595.79	1.00	166614	0.033	33		
SZ-19-266	Sugar Zone	Actlabs	A19-05889	Assay	595.79	596.57	0.78	166615	0.0025	< 5		



Hole Number:

SZ-19-267

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					8-Apr-2019	13-Apr-2019	
<u>Planned Coordinates</u>		Azimuth:	58	Drill Contractor:	Foraco Canada Ltd		
Easting	646148.9						
Northing	5406719	Dip:	-68	Dates Logged:	Start Date:	End Date:	
Elevation(m)	436.52				8-Apr-2019	14-Apr-2019	
<u>Final Pick up</u>		Depth(m):	503.50	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:	Josh Zundl		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing							
Purpose of Hole	Investigating south extensions in Sugar Zone	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	6 Flecks of VG found 405.24-405.54m in the Upper zone which ranged from 400.81-411.7m and had a strong structure overall with >5% sulfides in the 1ALT sections. Lower and Footwall zones had very weak structure and no sulfides.	0.0	58.0	-68.0		Planned	65.6
		24.0	60.4	-68.6	5673		68
		57.0	59.6	-67.4	5656	6m Stabiliz	67.2
		87.0	59.3	-66.8	5672	78m chang	66.9
		117.0	62.1	-66.5	5626	6m Stabiliz	69.7
		147.0	62.2	-64.7	5644	Taken from	69.8
		177.0	62.5	-64.1	5614	6m Hex; 18	70.1
		207.0	62.6	-62.3	5661	6m Hex; 18	70.2
Comments	Josh logged from around 235m to the end. RQD was done incorrectly from start of hole until 312m - it counted all fractures as natural ones so the amount of fractures is much higher than it should be and more has been subtracted in the RQD than there should be.	237.0	64.6	-61.8	5650	6m Hex; 18	72.2
		267.0	62.6	-59.9	5654	at 261m ch	70.2
		297.0	63.6	-59.5	5638	6m Hex; 18	71.2
		327.0	65.0	-58.4	5643	6m Hex; 18	72.6
		357.0	65.8	-57.3	5647	at 333m ch	73.4
		387.0	65.0	-55.8	5647	6m Hex; 18	72.6
		417.0	64.2	-55.2	5660	6m Hex; 18	71.8
Azimuth corrected to 7.6 degrees west declination		447.0	63.9	-54.4	5633	6m Hex; 18	71.5
		477.0	65.1	-53.3	5655	6m Hex; 18	72.7
				-7.6			
						-7.6	

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-267	0.00	3.00	3.00	CAS	Casing	
SZ-19-267	3.00	12.41	9.41	6B	Gabbro	Fine to coarse grained; grey green gabbro; mafic minerals with interstitial biotite. Strong foliation
SZ-19-267	12.41	21.29	8.88	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	21.29	24.65	3.36	5B	Granodiorite	fine to coarse grained; white pink granodiorite; mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ silicification.
SZ-19-267	24.65	27.90	3.25	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	27.90	29.51	1.61	4B	Feldspar Porphyry	Fine to medium grained; grey purple; feldspar porphyry. Composed of mainly felsic groundmass with black interstitial biotite and mm sized feldspar porphyry. Pervasive purple biotite alteration
SZ-19-267	29.51	32.42	2.91	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	32.42	34.24	1.82	4B	Feldspar Porphyry	Fine to medium grained; grey purple; feldspar porphyry. Composed of mainly felsic groundmass with black interstitial biotite and mm sized feldspar porphyry. Pervasive purple biotite alteration
SZ-19-267	34.24	66.00	31.76	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	66.00	71.04	5.04	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.
SZ-19-267	71.04	80.24	9.20	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	80.24	83.54	3.30	4B	Feldspar Porphyry	Fine to medium grained; grey purple; feldspar porphyry. Composed of mainly felsic groundmass with black interstitial biotite and mm sized feldspar porphyry. Pervasive purple biotite alteration
SZ-19-267	83.54	104.14	20.60	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.
SZ-19-267	104.14	106.24	2.10	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	106.24	132.90	26.66	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.
SZ-19-267	132.90	134.03	1.13	4B	Feldspar Porphyry	Fine to medium grained; grey purple; feldspar porphyry. Composed of mainly felsic groundmass with black interstitial biotite and mm sized feldspar porphyry. Pervasive purple biotite alteration
SZ-19-267	134.03	147.05	13.02	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.



SZ-19-267	147.05	150.70	3.65	1A	Massive Flows	fine to medium grained; 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. Light green alteration bands composed of chlorite intermittently throughout. Quartz and calcite stringers and wisps intermittently throughout the unit.
SZ-19-267	150.70	172.75	22.05	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.
SZ-19-267	172.75	174.00	1.25	4B	Feldspar Porphyry	Fine to medium grained; grey purple; feldspar porphyry. Composed of mainly felsic groundmass with black interstitial biotite and mm sized feldspar porphyry. Pervasive purple biotite alteration
SZ-19-267	174.00	202.00	28.00	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.
SZ-19-267	202.00	236.29	34.29	6B	Gabbro	Fine to coarse grained; grey green gabbro; mafic minerals with interstitial biotite. Strong foliation variable grain size throughout unit
SZ-19-267	236.29	260.67	24.38	6B	Gabbro	Light/dark green; FG-CG; mod-str fol; mod per chl with chl altered CG; alternates between areas of trace-mod shearing; mod interstitial/banded bi; weak qtz veinlets; mod ser bleached patches; contains 2 minors 4E and a qtz vein; barren
SZ-19-267	260.67	262.12	1.45	4B	Feldspar Porphyry	Medium Purple; FG-CG; mod fol; mod sil; 15% phenos; FG-CG phenos; weak alb banding; mod interstitial bi; trace qtz veins; barren
SZ-19-267	262.12	272.80	10.68	1B	Pillowed Flows	Light green/grey; FG; mod fol; mod per chl; mod wispy ser bleaching; mod car patches; mod qtz veinlets; mod interstitial bi; unit becomes more gabbroic by the end; barren
SZ-19-267	272.80	277.37	4.57	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak qtz patches; str tiny stringers talc/ser; barren
SZ-19-267	277.37	283.56	6.19	6B	Gabbro	Light/dark green; FG-CG; mod fol; mod per chl; mod interstitial bi; weak qtz veinlets; mod ser bleached patches with weak car in bleaching; barren
SZ-19-267	283.56	296.45	12.89	1B	Pillowed Flows	Light green/grey; FG; mod fol; mod per chl; mod wispy ser bleaching; mod car patches; mod qtz veinlets; mod interstitial bi; weak chl altered selvages <1cm; trace PO/PY around 294m
SZ-19-267	296.45	332.73	36.28	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; mod per chl; mod interstitial bi; alternates between more 1A sections and more gabbroic sections; weak-mod ser bleaching; weak car/alb stringers/patches; trace qtz veinlets; contains a minor 4B; barren
SZ-19-267	332.73	340.64	7.91	1A	Massive Flows	Green/light grey; FG-MG; mod fol; mod per chl; mod interstitial bi; mod felsic amygdules until 336.33; trace car/alb bands; weak ser bands; barren
SZ-19-267	340.64	342.14	1.50	4B	Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; no phenos; mod interstitial bi elongated with fol; mod sil; weak alb banding; mod small ser stringers; trace grt; contains small 1A unit; barren
SZ-19-267	342.14	355.63	13.49	1B	Pillowed Flows	Light green/grey; FG; mod fol; mod per chl; weak stringer talc close to UC; mod wispy ser bleaching; weak car patches; weak alb stringers; mod qtz veinlets; mod interstitial bi; weak chl altered selvages <1cm; barren
SZ-19-267	355.63	356.67	1.04	4B	Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; no phenos; mod interstitial bi elongated with fol; mod sil; weak alb banding; mod-str hydrothermal pressure fractures with mod ser flooding; contains several small 1A sections; barren
SZ-19-267	356.67	380.44	23.77	1B	Pillowed Flows	Light green/grey; FG; mod fol; mod per chl; mod wispy ser bleaching; weak car patches; weak alb stringers; mod qtz veinlets; mod interstitial bi; weak chl altered selvages <1cm; barren
SZ-19-267	380.44	381.59	1.15	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; mod sil; 15% phenos; str alb banding; mod interstitial bi; trace qtz veinlets; trace hydrothermal pressure fractures; barren
SZ-19-267	381.59	400.81	19.22	1B	Pillowed Flows	Light green/grey; FG; mod fol; mod per chl; mod wispy ser bleaching; weak car patches; mod qtz veinlets; mod interstitial bi; mod chl altered selvages <1cm; contains 2 sheared 4B minors; 1% PO after 396m in blebs close to minors
SZ-19-267	400.81	405.23	4.42	4ALT	Altered Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; no phenos; mod interstitial bi elongated with fol; mod-str sil; weak-mod alb banding with some weak ser flooding; weak hydrothermal pressure fractures with weak ser flooding; contains a minor 1B and several small 1B/4E units; trace PO/PY near LC
SZ-19-267	405.23	405.54	0.31	1ALT	Altered Mafic Volcanic	<b>1 FLECK VG WITH 5 MORE VISIBLE UNDER HAND LENS;</b> Light/dark green/smoky; FG; mod-str fol; mod-str banded bi/ser/chl/qtz; mod qtz veinlets by LC; 2% PY/3% PO/1% gn; trace VG
SZ-19-267	405.54	408.15	2.61	4ALT	Altered Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; <5% phenos; mod interstitial bi elongated with fol; mod-str sil; weak alb banding; weak-mod hydrothermal pressure fractures with weak ser flooding; weak qtz veinlets; trace sph in qtz veinlets and trace PO/PY near contacts
SZ-19-267	408.15	408.54	0.39	1ALT	Altered Mafic Volcanic	Light/dark green/white/smoky; FG-CG; mod-str fol; str banded ser/chl/qtz; mod elongated interstitial bi; str qtz veinlets throughout; 3% PO/PY
SZ-19-267	408.54	408.97	0.43	4ALT	Altered Feldspar Porphyry	Purple/grey; FG; mod fol; weak shearing; no phenos; mod interstitial bi elongated with fol; mod-str sil; weak alb banding; weak-mod hydrothermal pressure fractures with weak ser flooding; weak qtz veinlets; barren

SZ-19-267	408.97	411.70	2.73	1ALT	Altered Mafic Volcanic	Light/dark green/white; FG-CG; mod-str fol; mod bi. UC-409.49 has str banded ser/chl/qtz; str qtz veinlets; 3% PO/PY. 409.49-409.97 has str ser/chl banding with mod interstitial/banded qtz/bi; 3% PO/PY. 409.97-LC has mod qtz veinlets/chl/ser bands; barren
SZ-19-267	411.70	417.10	5.40	5B	Granodiorite	White/grey; no fol; FG-MG; weak speckled grt/msc; weak-mod interstitial bi; weak-mod qtz veinlets; some areas look closer to 4B in texture with 5% phenos - but still has a grey colour; barren
SZ-19-267	417.10	419.05	1.95	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 2cm; trace car/qtz veinlets; barren
SZ-19-267	419.05	419.90	0.85	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; mod sil; 15% phenos; str alb banding; mod interstitial bi; trace qtz veinlets; barren
SZ-19-267	419.90	426.33	6.43	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 2cm; trace car/qtz veinlets; from 425.52-426.89m str per chl/bi with gouge from 426.33-426.74; trace PO
SZ-19-267	426.33	426.74	0.41	FZ	Fault Zone	Str chl/bi/mud gouge
SZ-19-267	426.74	427.17	0.43	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 2cm; trace car/qtz veinlets; from 425.52-426.89m str per chl/bi with gouge from 426.33-426.74; barren
SZ-19-267	427.17	428.43	1.26	4ALT	Altered Feldspar Porphyry	Purple/grey; FG; mod fol; no-weak shearing; no phenos-15% - more phenos gradually as unit gets deeper; mod interstitial bi elongated with fol; mod-str sil; weak alb banding; weak-mod hydrothermal pressure fractures with weak ser flooding; weak qtz veinlets; barren
SZ-19-267	428.43	428.97	0.54	1ALT	Altered Mafic Volcanic	Light/dark green/white; FG-CG; mod-str fol; mod-str ser/chl banding with mod interstitial/banded qtz/bi; has a qtz veinlet; 3% PO.
SZ-19-267	428.97	432.55	3.58	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; mod car veinlet; barren
SZ-19-267	432.55	433.28	0.73	1ALT	Altered Mafic Volcanic	Light/dark green/white; FG-CG; mod-str fol; mod-str ser/chl/qtz banding with mod interstitial bi; has a qtz veinlet; 1% PO/PY.
SZ-19-267	433.28	442.25	8.97	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; mod car veinlet; trace CPY/PO in bleaching
SZ-19-267	442.25	444.95	2.70	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; mod sil; 5% phenos; mod-str alb banding; mod interstitial bi; trace qtz veinlets; barren
SZ-19-267	444.95	456.44	11.49	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; mod car/qtz veinlets; contains a minor 4B; barren
SZ-19-267	456.44	457.48	1.04	1ALT	Altered Mafic Volcanic	green/brown; mod-str fol; FG; mod banded bi/chl/ser; weak qtz/car veinlets; contains a minor 4B; barren
SZ-19-267	457.48	459.93	2.45	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; weak car/qtz veinlets; barren
SZ-19-267	459.93	461.10	1.17	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; mod sil; 5% phenos; mod alb banding; mod interstitial bi; has a small 1B unit; barren
SZ-19-267	461.10	467.08	5.98	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; mod car/qtz veinlets; barren
SZ-19-267	467.08	469.07	1.99	4B	Feldspar Porphyry	Light Purple; FG-MG; mod fol; mod sil; <5% phenos; weak alb banding/qtz veinlets; mod interstitial bi; small section from 468.20-468.40 has 1% PY
SZ-19-267	469.07	483.58	14.51	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; weak car/qtz veinlets; lcl 1m section containing mod amygdules; barren
SZ-19-267	483.58	484.22	0.64	1ALT	Altered Mafic Volcanic	green/brown; mod-str fol; FG; mod banded bi/chl/ser; weak qtz/car veinlets; barren
SZ-19-267	484.22	503.50	19.28	1B	Pillowed Flows	Light/dark green; FG; mod fol; mod per chl; mod interstitial/weakly banded bi; mod wispy bleaching; mod chl altered selvages up to 1cm; weak car/qtz veinlets; contains a minor 4B; barren

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	395.25	396.25	1	166616	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	396.25	397.05	0.8	166617	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	397.05	397.8	0.75	166618	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	397.8	398.5	0.7	166619	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Blank				166620	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	398.5	399.23	0.73	166621	0.006	6		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	399.23	399.96	0.73	166622	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	399.96	400.81	0.85	166623	0.013	13		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	400.81	401.5	0.69	166624	0.02	20		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	401.5	402.19	0.69	166625	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	402.19	402.94	0.75	166626	0.011	11		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	402.94	403.8	0.86	166627	0.007	7		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	403.8	404.6	0.8	166628	0.007	7		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	404.6	405.23	0.63	166629	0.012	12		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	OREAS 215				166630	3.4	3400		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	405.23	405.54	0.31	166631	12.4	> 10000	11.9	12.4
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	405.54	406.4	0.86	166632	0.019	19		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	406.4	407.3	0.9	166633	0.138	138		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	407.3	408.15	0.85	166634	0.033	33		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	408.15	408.54	0.39	166635	23	> 10000	26.5	23
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	408.54	408.97	0.43	166636	0.038	38		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	408.97	409.49	0.52	166637	0.283	283		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	409.49	409.97	0.48	166638	0.152	152		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	409.97	410.8	0.83	166639	0.018	18		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Blank				166640	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	410.8	411.7	0.9	166641	0.007	7		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	411.7	412.7	1	166642	0.009	9		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	427.43	428.43	1	166643	0.033	33		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	428.43	428.97	0.54	166644	0.017	17		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	428.97	429.8	0.83	166645	0.083	83		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	429.8	430.7	0.9	166646	0.026	26		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	430.7	431.6	0.9	166647	0.022	22		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	431.6	432.55	0.95	166648	0.023	23		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	432.55	433.28	0.73	166649	0.086	86		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	OREAS 216				166650	6.38	6380		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	433.28	434.28	1	166651	0.013	13		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	434.28	435.28	1	166652	0.018	18		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	455.27	456.27	1	166653	0.013	13		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	456.27	456.69	0.42	166654	0.012	12		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	456.69	456.99	0.3	166655	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	456.99	457.48	0.49	166656	0.005	5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	457.48	458.48	1	166657	0.01	10		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	481.66	482.6	0.94	166658	0.011	11		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	482.6	483.58	0.98	166659	0.017	17		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Blank				166660	0.0025	< 5		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	483.58	484.22	0.64	166661	0.027	27		
SZ-19-267	Sugar Zone	Actlabs	A19-05887	Assay	484.22	485.22	1	166662	0.013	13		



Hole Number:

SZ-19-268FARA

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					14-Apr-2019	15-Apr-2019	
<u>Planned Coordinates</u>		Azimuth:	200.75	Drill Contractor:	Foraco Canada Ltd		
Easting	646099.5						
Northing	5407508.8	Dip:	-87.3	Dates Logged:	Start Date:	End Date:	
Elevation(m)	435.7				15-Apr-2019	16-Apr-2019	
<u>Final Pick up</u>		Depth(m):	95.70	Logger 1:	Josh Zundl		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Pilot hole for air raise - abandoned	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	193.2	-87.3	0	Planned	200.75
Results	Hole was abandoned due to severe azimuth fluctuations	15.0	173.7	-88.4	5672	6m Hex; 18	181.3
		30.0	130.4	-87.8	5663	6m Hex; 18	138
		45.0	113.2	-87.6	5639	6m Hex; 18	120.8
		60.0	120.3	-87.7	5567	6m Hex; 18	127.9
		75.0	104.7	-87.0	5656	6m Hex; 18	112.3
		90.0	102.8	-86.5	5650	6m Hex; 18	110.4
Comments	Hole originally called RAR; boxes and pictures will be under that name. Hole was abandoned due to severe azimuth fluctuations		-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
SZ-19-268FAR-A	0	1.07	1.07	CAS	Casing	
SZ-19-268FAR-A	1.07	22.71	21.64	1B	Pillowed Flows	Light/medium green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 3cm; mod wispy ser banding; weak-mod qtz/car veinlets/patches; weak alb bands; barren
SZ-19-268FAR-A	22.71	25.76	3.05	4B	Feldspar Porphyry	Light-med purple; FG; mod fol; weak shearing; mod sil; <5% phenos; weak-mod hydrothermal pressure fractures with weak ser flooding; weak alb banding; mod interstitial bi; barren
SZ-19-268FARA	25.76	27.65	1.89	1B	Pillowed Flows	Light/medium green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser banding; weak qtz/car veinlets; barren
SZ-19-268FARA	27.65	28.88	1.23	4B	Feldspar Porphyry	Light-med purple; FG; mod fol; weak shearing; mod sil; <5% phenos; trace hydrothermal pressure fractures with trace ser flooding; weak alb banding; mod interstitial bi; barren
SZ-19-268FARA	28.88	55.1	26.22	1A	Massive Flows	Light/medium green/grey; FG-MG; mod fol; mod per chl; weak qtz/car/alb veinlets/dykllets; mod interstitial/banded bi; mod bleached replacements of more FG groundmass in areas with medium sized grains; contains a minor 5B; barren
SZ-19-268FARA	55.1	63.84	8.74	1B	Pillowed Flows	Light/medium green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser banding; mod qtz/car veinlets; trace PO
SZ-19-268FARA	63.84	66.85	3.01	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; weak-mod alb banding; mod sil; 12% phenos; mod interstitial bi; barren
SZ-19-268FARA	66.85	87.21	20.36	1B	Pillowed Flows	Light/medium green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser banding; mod qtz/car veinlets; trace PO
SZ-19-268FARA	87.21	88.89	1.68	4B	Feldspar Porphyry	Medium Purple; FG-MG; mod fol; weak alb banding; mod sil; mod interstitial bi; 5% phenos; weak qtz veinlets; contains small units 1B; is altered by surrounding 1B with some chl alteration throughout; barren
SZ-19-268FARA	88.89	95.7	6.81	1B	Pillowed Flows	Light/medium green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser banding; mod qtz/car veinlets; trace PO





<b>Hole Number:</b>	<b>SZ-19-269</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					May 21 2019	May 26 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	50	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646148.9	<b>Dip:</b>	-75	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5406719			May 22 2019	May 27 2019	
<b>Elevation(m)</b>	436.52					
<u>Final Pick up</u>		<b>Depth(m):</b>		<b>Logger 1:</b>	Josh Zundl	
<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>	Expanding the Indicated for the Upper Zone	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	1 Fleck VG found in Upper Zone quartz veinlet from 473.69 to 473.84m; 4 Flecks VG found in Lower Zone quartz vein from 508.73 to 509.33m which is immediately followed by 1ALT until 509.83m. No conclusive footwall which was projected to be around	0.0	50.0	-74.4		Planned	57.6
		21.0	53.7	-74.4	5675	6m Hex; 18	61.3
		51.0	52.3	-73.3	5649	6m Hex; 18	59.9
		81.0	52.5	-73.0	5651	6m Hex; 18	60.1
		111.0	51.9	-72.6	5645	6m Hex; 18	59.5
		141.0	53.8	-72.5	5653	at 141m 6m	61.4
		171.0	53.6	-72.0	5714	6m Standa	61.2
<b>Comments</b>		201.0	53.1	-71.3	5718	6m Standa	60.7
		231.0	53.4	-70.9	5722	6m Standa	61
		261.0	56.2	-71.0	5733	6m Standa	63.8
		291.0	56.4	-69.5	5716	at 291m 6m	64
		321.0	56.3	-68.8	5621		63.9
		351.0	56.4	-67.5	5697		64
		381.0	58.4	-66.4	5697	6m Standa	66
		411.0	56.1	-65.3	5674		63.7
		441.0	57.5	-64.8	5728		65.1
		<b>Azimuth corrected to 7.6 degrees west declination</b>		471.0	57.9	-63.6	5698
		501.0	55.5	-62.3	5702	6m Standa	63.1
		531.0	59.4	-61.6	5675		67
		561.0	59.4	-61.1	5890	hi mag az 6	75.8

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-269	0.00	1.37	1.37	CAS	Casing	
SZ-19-269	1.37	18.16	16.79	1Z	Gabbroic with gradational contacts	Dark/light green; FG-CG; mod fol; mod per chl; mod wispy ser/act bleaching with trace k-spar alteration; grain size gradually gets more CG closer to LC; trace car veinlets; mod-str interstitial bi; weak qtz veinlets; minor 4E; barren
SZ-19-269	18.16	19.97	1.81	5B	Granodiorite	White/black; MG; no fol; mod interstitial bi/amph; mod qtz patches/veinlets; weak k-spar flooding; mod speckled msc; barren
SZ-19-269	19.97	30.72	10.75	1A	Massive Flows	Dark/light green; FG-MG; mod fol; mod per chl; weak-mod wispy ser/act bleaching; trace car veinlets; mod interstitial bi; weak-mod qtz veinlets; barren
SZ-19-269	30.72	32.29	1.57	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; 15% subrounded felds phenos; mod sil; barren
SZ-19-269	32.29	35.65	3.36	1A	Massive Flows	Dark/light green; FG-MG; mod fol; mod per chl; weak-mod wispy ser/act bleaching; trace car veinlets; mod interstitial/stringer bi; weak qtz veinlets; barren
SZ-19-269	35.65	37.77	2.12	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; 10% subrounded felds phenos; mod sil; barren
SZ-19-269	37.77	73.78	36.01	1Z	Gabbroic with gradational contacts	Dark/light green; FG-MG; mod fol; mod per chl; weak-mod wispy ser/act bleaching until around 56m - then mod bleaching until LC; trace car veinlets; mod-str interstitial/stringer bi; weak qtz veinlets; unit becomes more FG and closer to 1B closer to LC; barren
SZ-19-269	73.78	74.95	1.17	5B	Granodiorite	White/black; MG; no fol; mod interstitial bi/amph; mod qtz patches/veinlets; mod speckled msc; contains a minor 1B; barren
SZ-19-269	74.95	90.73	15.78	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser banding; weak mod car/qtz veinlets; weak-mod chl altered selvages up to 1cm; contains a minor 5B; barren
SZ-19-269	90.73	96.98	6.25	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; <5% subrounded felds phenos; mod sil; trace grt; trace qtz veinlets; weak alb banding/patches; contains a minor 1B; barren
SZ-19-269	96.98	150.41	53.43	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod wispy ser banding; weak-mod qtz veinlets; mod car veinlets; mod chl altered selvages up to 5cm; trace k-spar alteration; barren
SZ-19-269	150.41	151.67	1.26	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; <5% subrounded felds phenos; mod sil; weak qtz veinlets; mod alb banding/patches; weak-mod ser flooding; very trace PO
SZ-19-269	151.67	190.99	39.32	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod-str wispy ser banding; weak-mod qtz veinlets/veins; mod car veinlets; mod chl altered selvages up to 5cm; contains a minor 4B; barren
SZ-19-269	190.99	198.05	7.06	4B	Feldspar Porphyry	Dark purple/grey; FG-MG: mod fol; mod-str interstitial bi; 5% subrounded chl-replaced phenos; mod sil; weak qtz veinlets/veins; trace alb banding; contains a minor 1B; trace PO with 2% PO for the first and last meter of unit
SZ-19-269	198.05	233.22	35.17	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod wispy ser banding; weak-mod qtz veinlets/veins; mod car veinlets; mod chl altered selvages up to 3cm; contains 2 minors 4E; barren
SZ-19-269	233.22	300.55	67.33	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; mod fol; weak lcl shearing; alternates between FG sections more akin to 1A and CG gabbroic section; mod per chl; mod interstitial bi; mod felsic replacement of groundmass in CG areas; weak car/qtz/alb veinlets with several large qtz veins; trace lcl grt; weak wispy ser bleaching; trace lcl patchy k-spar alteration in FG sections; barren
SZ-19-269	300.55	306.87	6.32	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak-mod qtz/car veinlets; mod chl altered selvages up to 3cm; 1% PO between 302-304m
SZ-19-269	306.87	309.20	2.33	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; 10% subrounded felds phenos; mod sil; trace qtz veinlets; weak-mod alb banding/patches; weak ser flooding; contains a minor 1B; barren
SZ-19-269	309.20	314.74	5.54	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak-mod wispy ser banding; weak-mod qtz/car veinlets; weak felsic replacement of groundmass; barren
SZ-19-269	314.74	325.92	11.18	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak-mod qtz/car veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	325.92	338.00	12.08	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak-mod wispy ser banding; weak-mod qtz/car veinlets; weak felsic replacement of groundmass; barren
SZ-19-269	338.00	344.86	6.86	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod tiny talc stringers; weak-mod wispy ser banding; mod qtz veinlets; weak car veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	344.86	385.51	40.65	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak-mod tiny talc stringers closer to UC; weak-mod wispy ser banding; weak-mod qtz/car veinlets; weak felsic replacement of groundmass; contains a minor 5B; becomes gabbroic for the last 4 meters but does not change otherwise; barren
SZ-19-269	385.51	387.59	2.08	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod shearing and <5% phenos for first 50cm; mod interstitial bi; 15% subrounded felds phenos; mod sil; trace qtz veinlets; weak-mod alb banding/patches; weak-mod hydrothermal pressure fractures with mod ser flooding; contains a small 1A unit; 0.5% PO



SZ-19-269	387.59	394.19	6.60	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; mod felsic filled amygdules; weak wispy ser banding; weak qtz/car veinlets; weak felsic replacement of groundmass; barren
SZ-19-269	394.19	395.79	1.60	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod shearing; mod interstitial bi; <5% subrounded felds phenos; mod sil; trace qtz veinlets; weak-mod alb banding/patches; weak-mod hydrothermal pressure fractures with mod ser flooding; barren
SZ-19-269	395.79	408.16	12.37	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; trace wispy ser banding; weak qtz/car veinlets; contains a minor 5B; is gabbroic for the first meter but does not change otherwise; barren
SZ-19-269	408.16	417.75	9.59	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	417.75	418.83	1.08	5B	Granodiorite	White/black; MG; no fol; mod interstitial/stringer bi/amph; about 40% surrounding mafics; barren
SZ-19-269	418.83	440.87	22.04	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	440.87	442.03	1.16	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; weak shearing; mod interstitial bi; 10% subrounded felds phenos; mod sil; trace qtz veinlets; mod alb banding/patches; barren
SZ-19-269	442.03	458.97	16.94	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	458.97	460.11	1.14	4B	Feldspar Porphyry	Purple/green; FG-MG: mod fol; weak shearing; mod interstitial bi; mod sil; weak-mod alb banding/patches; str hydrothermal pressure fractures with str ser flooding; str stockwork chl/bi for last 50cm; barren
SZ-19-269	460.11	461.11	1.00	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; barren
SZ-19-269	461.11	463.63	2.52	5B	Granodiorite	White/black; MG; no fol; mod interstitial bi/amph; weak speckled grt; weak qtz veinlets; contains a minor 4B; barren
SZ-19-269	463.63	473.84	10.21	4ALT	Altered Feldspar Porphyry	<b>1 FLECK VG</b> ; Purple/green; FG-MG: mod fol; weak shearing; mod interstitial bi; 5-10% sheared phenos; mod sil; weak-mod alb banding/patches; mod hydrothermal pressure fractures with str ser flooding for first half but dies out almost completely for the lower half; mod qtz veinlets; contains a minor 1B; trace PO throughout - especially near qtz veinlets with 2%PO and 1 fleck VG in a qtz veinlet in the last 15cm
SZ-19-269	473.84	480.99	7.15	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; slightly more banded for first 10cm near the 4ALT; barren
SZ-19-269	480.99	491.39	10.40	5B	Granodiorite	White/black/purple/green; FG-MG; mod fol; weak interstitial bi/amph; weak-mod speckled grt; weak qtz veinlets; strong FG msc banded throughout; unit looks like a cross between 5B and 4B with some areas having 5% phenos and a more purple colour; trace PO
SZ-19-269	491.39	498.47	7.08	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; contains a minor 4B; barren
SZ-19-269	498.47	502.22	3.75	1UT	Ultramafic Talc/Chlorite Altered	Green; FG; no fol; str per chl; mod per bi; strong fracturing; weak lcl mag; contains a minor 4B; barren
SZ-19-269	502.22	508.73	6.51	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; contains a minor 5B; 0.5% blebby PO and trace PY
SZ-19-269	508.73	509.33	0.60	QV	Quartz Vein	<b>4 FLECKS VG</b> ; Smoky grey; CG; no fol; weak chl/car/bi stringers throughout; 3% diss PO; 1% diss PY; 4 Flecks VG. Unit is primarily 4ALT that has been completely silicified.
SZ-19-269	509.33	509.83	0.50	1ALT	Altered Mafic Volcanic	Green/brown/white/smoky; FG; mod-str fol; mod-str (gets gradually weaker as unit gets deeper) banded chl/ser/bi/qtz/car; 2% PO
SZ-19-269	509.83	520.23	10.40	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; contains two large qtz veins; barren
SZ-19-269	520.23	522.18	1.95	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; weak shearing; mod interstitial bi; <5% subrounded felds phenos; mod sil; trace qtz veinlets; mod alb banding; barren
SZ-19-269	522.18	523.40	1.22	4E	Pegmatite	White/smoky; CG; no fol; 80% white felds/15% smoky qtz; weak stringer grt; weak speckled msc; barren
SZ-19-269	523.40	524.88	1.48	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; weak shearing; mod interstitial bi; <5% subrounded felds phenos; mod sil; trace qtz veinlets; trace alb banding; barren
SZ-19-269	524.88	540.95	16.07	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; lcl str per chl; mod interstitial/banded bi; weak-mod wispy ser banding; weak car/qtz veinlets; mod chl altered selvages up to 3cm; contains a large qtz vein and a minor 4B; barren
SZ-19-269	540.95	542.39	1.44	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG: mod fol; weak shearing; mod-str interstitial bi; <5% subrounded felds phenos; weak sil; trace qtz veinlets; trace alb banding; barren
SZ-19-269	542.39	547.39	5.00	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak wispy ser banding; weak car/qtz veinlets; weak-mod chl altered selvages up to 1cm; contains a minor 4B; barren

SZ-19-269	547.39	549.01	1.62	4B	Feldspar Porphyry	Purple/green; FG-MG: mod fol; weak shearing; mod interstitial bi; <5% subrounded felds phenos; mod sil; trace qtz veinlets; trace alb banding; weak hydrothermal pressure fractures with weak-mod ser flooding; contains a small section of str banded 1B; barren
SZ-19-269	549.01	550.91	1.90	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak wispy ser banding; weak car/qtz veinlets; weak-mod chl altered selvages up to 1cm; contains a qtz vein; barren
SZ-19-269	550.91	552.24	1.33	4B	Feldspar Porphyry	Purple/green; FG-MG: mod fol; weak shearing; mod interstitial bi; 5-10% subrounded felds phenos; mod sil; trace qtz veinlets; trace alb banding; weak hydrothermal pressure fractures with weak-mod ser flooding; barren
SZ-19-269	552.24	570.00	17.76	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak wispy ser banding; weak-mod felsic amygdules; weak car/qtz veinlets; contains a minor 5B; barren

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-269		Actlabs	A19-07528	Assay	459.11	460.11	1.00	166652		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	460.11	460.75	0.64	166653		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	460.75	461.47	0.72	166654		6		
SZ-19-269		Actlabs	A19-07528	Assay	461.47	462.04	0.57	166655		8		
SZ-19-269		Actlabs	A19-07528	Assay	462.04	462.53	0.49	166656		19		
SZ-19-269		Actlabs	A19-07528	Assay	462.53	463.41	0.88	166657		16		
SZ-19-269		Actlabs	A19-07528	Assay	463.41	464.16	0.75	166658		47		
SZ-19-269		Actlabs	A19-07528	Assay	464.16	465.00	0.84	166659		> 10000	14.1	13.2
SZ-19-269		Actlabs	A19-07528	Blank				166660		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	465.00	466.00	1.00	166661		46		
SZ-19-269		Actlabs	A19-07528	Assay	466.00	467.00	1.00	166662		152		
SZ-19-269		Actlabs	A19-07528	Assay	467.00	468.00	1.00	166663		51		
SZ-19-269		Actlabs	A19-07528	Assay	468.00	469.00	1.00	166664		1810		
SZ-19-269		Actlabs	A19-07528	Assay	469.00	470.00	1.00	166665		64		
SZ-19-269		Actlabs	A19-07528	Assay	470.00	471.00	1.00	166666		268		
SZ-19-269		Actlabs	A19-07528	Assay	471.00	472.00	1.00	166667		33		
SZ-19-269		Actlabs	A19-07528	Assay	472.00	473.00	1.00	166668		90		
SZ-19-269		Actlabs	A19-07528	Assay	473.00	473.54	0.54	166669		72		
SZ-19-269		Actlabs	A19-07528	OREAS 216				166670		6720		
SZ-19-269		Actlabs	A19-07528	Assay	473.54	473.84	0.30	166671		> 10000	10.5	9.04
SZ-19-269		Actlabs	A19-07528	Assay	473.84	474.84	1.00	166672		23		
SZ-19-269		Actlabs	A19-07528	Assay	474.84	475.84	1.00	166673		13		
SZ-19-269		Actlabs	A19-07528	Assay	507.70	508.70	1.00	166674		46		
SZ-19-269		Actlabs	A19-07528	Assay	508.70	509.33	0.63	166675		> 10000	20	14.4
SZ-19-269		Actlabs	A19-07528	Assay	509.33	509.83	0.50	166676		1800		
SZ-19-269		Actlabs	A19-07528	Assay	509.83	510.83	1.00	166677		24		
SZ-19-269		Actlabs	A19-07528	Assay	510.83	511.20	0.37	166678		8		
SZ-19-269		Actlabs	A19-07528	Assay	530.65	531.65	1.00	166679		18		
SZ-19-269		Actlabs	A19-07528	Blank				166680		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	531.65	531.95	0.30	166681		8		
SZ-19-269		Actlabs	A19-07528	Assay	531.95	532.95	1.00	166682		5		
SZ-19-269		Actlabs	A19-07528	Assay	532.95	540.95	8.00	166683		5		
SZ-19-269		Actlabs	A19-07528	Assay	540.95	541.60	0.65	166684		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	541.60	542.39	0.79	166685		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	542.39	543.30	0.91	166686		8		
SZ-19-269		Actlabs	A19-07528	Assay	543.30	544.20	0.90	166687		8		
SZ-19-269		Actlabs	A19-07528	Assay	544.20	545.04	0.84	166688		13		
SZ-19-269		Actlabs	A19-07528	Assay	545.04	546.00	0.96	166689		< 5		
SZ-19-269		Actlabs	A19-07528	OREAS 215				166690		3440		
SZ-19-269		Actlabs	A19-07528	Assay	546.00	546.71	0.71	166691		12		
SZ-19-269		Actlabs	A19-07528	Assay	546.71	547.39	0.68	166692		7		
SZ-19-269		Actlabs	A19-07528	Assay	547.39	547.84	0.45	166693		15		
SZ-19-269		Actlabs	A19-07528	Assay	547.84	548.14	0.30	166694		8		
SZ-19-269		Actlabs	A19-07528	Assay	548.14	549.01	0.87	166695		5		
SZ-19-269		Actlabs	A19-07528	Assay	549.01	549.80	0.79	166696		12		
SZ-19-269		Actlabs	A19-07528	Assay	549.80	550.44	0.64	166697		12		
SZ-19-269		Actlabs	A19-07528	Assay	550.44	550.91	0.47	166698		14		
SZ-19-269		Actlabs	A19-07528	Assay	550.91	551.50	0.59	166699		< 5		
SZ-19-269		Actlabs	A19-07528	Blank				166700		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	551.50	552.24	0.74	166801		< 5		
SZ-19-269		Actlabs	A19-07528	Assay	552.24	553.24	1.00	166802		10		



<b>Hole Number:</b>	<b>SZ-19-269A</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					May 20 2019	May 21 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	58	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646148.9	<b>Dip:</b>	-68	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5406719	<b>Depth(m):</b>	56.30		May 21 2019	May 22 2019
<b>Elevation(m)</b>	436.52	<b>Core Size:</b>	NQ	<b>Logger 1:</b>	Josh Zundl	
<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>	Expanding Indicated for Upper Zone	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	Wrong Az/Dip; would have just replicated another hole.	0.0	58.0	-68.0		Planned	65.6
		23.0	59.7	-67.3	5693	3m Hex; 18	67.3
<b>Comments</b>			-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-19-269A	0.00	3.96	3.96	CAS	Casing	
SZ-19-269A	3.96	22.51	18.55	1Z	Gabbroic with gradational contacts	Dark/light green; FG-CG; mod fol; mod per chl; mod wispy ser/act bleaching; grain size gradually gets more CG closer to LC; trace car veinlets; mod interstitial bi; weak qtz veinlets with a minor qtz vein; barren
SZ-19-269A	22.51	24.11	1.60	5B	Granodiorite	White/black/pink; MG; no fol; mod interstitial bi/amph; weak k-spar flooding; barren
SZ-19-269A	24.11	29.49	5.38	1A	Massive Flows	Dark/light green; FG-MG; mod fol; mod-str per chl; weak-mod wispy ser/act bleaching; trace car veinlets; mod interstitial/stringer bi; weak qtz veinlets; contains a minor 5B; barren
SZ-19-269A	29.49	31.05	1.56	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; 15% subrounded felds phenos; mod sil; barren
SZ-19-269A	31.05	33.20	2.15	1A	Massive Flows	Dark/light green; FG-MG; mod fol; mod per chl; weak-mod wispy ser/act bleaching; trace car veinlets; mod interstitial/stringer bi; weak qtz veinlets; barren
SZ-19-269A	33.20	35.82	2.62	4B	Feldspar Porphyry	Purple/white; FG-MG: mod fol; mod interstitial bi; 10% subrounded felds phenos; mod sil; trace k-spar alteration; barren
SZ-19-269A	35.82	56.30	20.48	1A	Massive Flows	Dark/light green; FG-MG; mod fol; mod per chl; weak-mod wispy ser/act bleaching; trace car veinlets; mod-str interstitial/stringer bi; weak qtz veinlets; trace talc stringers creating fractures; barren





		<b>Hole Number:</b>		<b>SZ-19-270</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						30/05/2019	04/06/2019		
<u>Planned Coordinates</u>		<b>Azimuth:</b> 45  <b>Dip:</b> -69  <b>Depth(m):</b> 537.00  <b>Core Size:</b> NQ		<b>Drill Contractor:</b>		Foraco Canada Ltd			
<b>Easting</b>	646148.9			<b>Dates Logged:</b>		<b>Start Date:</b>	<b>End Date:</b>		
<b>Northing</b>	5406719			31/05/2019	05/06/2019				
<b>Elevation(m)</b>		436.52	<b>Logger 1:</b>		Jordan Keir-Sage				
<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>		Expanding the Indicated for the Upper Zone		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
				0.0	44.0	-69.0		Planned	52.6
<b>Results</b>		weak upper zone alteration intersected at 418.27 - 425.28. VG bearing qtz vein from SZ-19-271 was NOT intersected		27.0	44.0	-69.0	3246	az 177.6	185.2
				45.0	44.0	-69.0	5642	6m hex; 18	51.6
				75.0	43.4	-68.3	5709	39m 72m d	51
				105.0	47.0	-67.8	5649	6m hex; 18	54.6
				138.0	49.1	-66.8	5625	6m hex; 18	56.7
				168.0	46.6	-65.7	5650	6m hex; 18	54.2
				198.0	47.9	-65.5	5651	6m hex; 18	55.5
				228.0	47.5	-63.2	5655	213m char	55.1
<b>Comments</b>				261.0	48.6	-62.9	5640	6m hex; 18	56.2
				291.0	48.3	-62.4	5652	6m hex; 18	55.9
				321.0	49.9	-61.6	5647	294m char	57.5
				351.0	49.9	-60.7	5643	6m hex; 18	57.5
				381.0	50.8	-60.5	5665	6m hex; 18	58.4
				414.0	51.8	-59.7	5630	6m hex; 18	59.4
				444.0	50.5	-58.3	5633	6m hex; 18	58.1
				474.0	52.5	-57.6	5615	changed b	60.1
<b>Azimuth corrected to 7.6 degrees west declination</b>				504.0	51.8	-56.6	5650	6m hex; 18	59.4
				537.0	55.0	-54.5	5608	6m hex; 18	62.6

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-270	0.00	1.20	1.20	CAS	Casing	
SZ-19-270	1.20	7.60	6.40	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	7.60	8.56	0.96	QV	Quartz Vein	barren Qtz vein; milky white
SZ-19-270	8.56	22.23	13.67	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	22.23	24.16	1.93	5B	Granodiorite	fine to coarse grained; [pink white granodiorite. no foliation; strong Ksp alteration
SZ-19-270	24.16	28.90	4.74	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	28.90	30.62	1.72	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	30.62	33.65	3.03	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar phenos throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	33.65	35.35	1.70	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	35.35	38.70	3.35	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar phenos throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	38.70	63.08	24.38	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	63.08	85.85	22.77	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite?
SZ-19-270	85.85	87.60	1.75	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar phenos throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	87.60	184.45	96.85	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. fault gouge near 170m. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets around 132 m. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration. multiple pegmatite intrusions cutting across core at sub parallel angles
SZ-19-270	184.45	187.42	2.97	6E	Intermediate Dyke	Possible 4B; fine grained purple brown intermediate dyke. Mix of felsic and mafic ground mass; with possible feldspar phenos;
SZ-19-270	187.42	212.12	24.70	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor Qtz veinlets. Wispy Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-270	212.12	267.25	55.13	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers. Grain size is variable in spots; with possible fine grained mafic xenoliths
SZ-19-270	267.25	268.43	1.18	4E	Pegmatite	fine to coarse grained; white pegmatite. Coarse grained Qtz and feldspars with finer mafic minerals
SZ-19-270	268.43	278.26	9.83	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers. Grain size is variable in spots; with possible fine grained mafic xenoliths
SZ-19-270	278.26	280.96	2.70	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor Qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvages have slight epidote alteration.
SZ-19-270	280.96	283.76	2.80	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals with interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minor amounts of Qtz stringers
SZ-19-270	283.76	285.40	1.64	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar phenos throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding



SZ-19-270	285.40	297.64	12.24	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	297.64	300.05	2.41	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers. Grain size is variable in spots; with possible fine grained mafic xenoliths
SZ-19-270	300.05	306.00	5.95	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	306.00	333.40	27.40	6B	Gabbro	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	333.40	338.65	5.25	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	338.65	343.56	4.91	6B	Gabbro	Fine to coarse grained; green grey gabbroic mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	343.56	352.88	9.32	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	352.88	353.98	1.10	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	353.98	361.15	7.17	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. Elongated chlorite grains with occasional banded garnets; and black interstitial biotite; minora amounts of qtz stringers
SZ-19-270	361.15	375.43	14.28	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	375.43	380.13	4.70	5B	Granodiorite	fine to coarse grained; white granodiorite. no foliation. Units is moderately silicified in spots giving a felsite appearance; trace moly and garnets
SZ-19-270	380.13	392.95	12.82	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	392.95	394.32	1.37	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	394.32	401.78	7.46	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	401.78	402.94	1.16	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. and black interstitial biotite
SZ-19-270	402.94	418.17	15.23	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	418.17	425.28	7.11	4ALT	Altered Feldspar Porphyry	Fine grained; Purple/white weak foliation; shearing. occasional qtz veinlets; pheons are slightly visible <5% ; weak banded albite; weak interstitial sericite; contains a 5B minor;
SZ-19-270	425.28	439.93	14.65	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	439.93	441.48	1.55	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-270	441.48	454.21	12.73	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	454.21	456.80	2.59	1UT	Ultramafic Talc/Chlorite Altered	Fine grained; black green ultramafic. Soft blocky core with strong magnetics; some talc in fractures
SZ-19-270	456.80	495.10	38.30	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvedges have slight epidote alteration.
SZ-19-270	495.10	496.10	1.00	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding

SZ-19-270	496.10	511.22	15.12	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor Qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvages have slight epidote alteration.
SZ-19-270	511.22	514.70	3.48	1A	Massive Flows	Fine to medium grained; green grey massive mafic flow; moderate foliation. Majority mafic minerals wit interstitial feldspars. and black interstitial biotite
SZ-19-270	514.70	537.00	22.30	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. Minor interstitial biotite; minor Qtz veinlets. Wispy Qtz carb stringers make up 5% of unit. Pillow selvages have slight epidote alteration.

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-270		Actlabs	A19-08256	Assay	415.25	416.25	1.00	166846		9		
SZ-19-270		Actlabs	A19-08256	Assay	416.25	417.13	0.88	166847		44		
SZ-19-270		Actlabs	A19-08256	Assay	417.13	417.64	0.51	166848		15		
SZ-19-270		Actlabs	A19-08256	Assay	417.64	418.18	0.54	166849		37		
SZ-19-270		Actlabs	A19-08256	OREAS 215			0.00	166850		3360		
SZ-19-270		Actlabs	A19-08256	Assay	418.18	419.00	0.82	166851		28		
SZ-19-270		Actlabs	A19-08256	Assay	419.00	420.00	1.00	166852		12		
SZ-19-270		Actlabs	A19-08256	Assay	420.00	421.00	1.00	166853		498		
SZ-19-270		Actlabs	A19-08256	Assay	421.00	422.00	1.00	166854		110		
SZ-19-270		Actlabs	A19-08256	Assay	422.00	423.00	1.00	166855		101		
SZ-19-270		Actlabs	A19-08256	Assay	423.00	424.00	1.00	166856		1850		
SZ-19-270		Actlabs	A19-08256	Assay	424.00	424.50	0.50	166857		93		
SZ-19-270		Actlabs	A19-08256	Assay	424.50	425.28	0.78	166858		438		
SZ-19-270		Actlabs	A19-08256	Assay	425.28	426.28	1.00	166859		84		
SZ-19-270		Actlabs	A19-08256	Blank			0.00	166860		< 5		
SZ-19-270		Actlabs	A19-08256	Assay	426.28	427.28	1.00	166861		18		
SZ-19-270		Actlabs	A19-08256	Assay	448.81	449.80	0.99	166862		< 5		
SZ-19-270		Actlabs	A19-08256	Assay	449.80	450.53	0.73	166863		42		
SZ-19-270		Actlabs	A19-08256	Assay	450.53	451.57	1.04	166864		183		



<b>Hole Number:</b>	<b>SZ-19-271</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					May 26 2019	May 29 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	55	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646148.9	<b>Dip:</b>	-60	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5406719			May 27 2019	May 30 2019	
<b>Elevation(m)</b>	436.52					
<u>Final Pick up</u>		<b>Depth(m):</b>	459.00	<b>Logger 1:</b>	Josh Zundl	
<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>	Expanding the Indicated for the Upper Zone	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	14 Flecks VG found in Lower Zone Quartz Vein from 395.17 to 396.08m along with a wide variety of other sulfides. Upper Zone was found to be lower than expected with altered feldspar porphyry followed by altered mafic volcanics from 364.64 to 369.98m. No VG in upper zone. Footwall zone was ambiguous	0.0	55.0	-60.0		Planned	62.6
		26.0	54.3	-59.8	2652		61.9
		57.0	56.1	-59.5	5638		63.7
		87.0	55.5	-59.0	5630	6m Stabiliz	63.1
		117.0	54.9	-58.2	5692	6m Standa	62.5
		147.0	53.7	-57.5	5786	6m Standa	61.3
		177.0	56.3	-56.9	5628	6m Standa	63.9
		207.0	58.8	-56.6	5681	6m Standa	66.4
<b>Comments</b>		237.0	57.6	-55.6	5682		65.2
		267.0	58.1	-54.1	5706	260m swit	65.7
		297.0	58.1	-51.1	6062	az 49.2	56.8
		327.0	58.1	-50.2	5728		65.7
		357.0	58.8	-49.1	5669	360m swit	66.4
		390.0	60.9	-47.2	5713	6m Standa	68.5
		420.0	61.8	-46.3	5673	changed bi	69.4
		459.0	61.4	-44.5	5671	6m Standa	69
<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-19-271	0.00	1.40	1.40	CAS	Casing	
SZ-19-271	1.40	24.35	22.95	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; mod fol; ranges from FG-MG to more gabbroic; mod per chl; weak lcl shearing; mod felsic replacement of groundmass; mod-str interstitial bi; weak ser/car wispy patches/stringers; weak qtz veinlets; contains a minor 4E; barren
SZ-19-271	24.35	25.41	1.06	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod interstitial bi; 15% subrounded phenos; trace ser flooding; mod sil; barren
SZ-19-271	25.41	27.17	1.76	6B	Gabbro	Green/white; FG-CG; mod fol; mod per chl; weak lcl shearing; mod felsic replacement of groundmass; mod interstitial bi; weak ser/car wispy patches/stringers; weak qtz veinlets; barren
SZ-19-271	27.17	28.39	1.22	5B	Granodiorite	Pink; FG-MG; no fol; mod interstitial bi/amph; str k-spar replacement; trace qtz veinlets; barren
SZ-19-271	28.39	50.61	22.22	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak wispy ser banding; weak car/qtz veinlets; trace k-spar alteration in small 5B units; trace talc in fracturing; contains minor 5B; barren
SZ-19-271	50.61	70.28	19.67	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod interstitial/banded bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets; mod chl altered selvages up to 2cm; barren
SZ-19-271	70.28	74.72	4.44	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod interstitial bi; weak lcl shearing; <5%-10% phenos depending on shearing; weak banded alb; mod sil; barren
SZ-19-271	74.72	144.55	69.83	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod interstitial/banded bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets; mod chl altered selvages up to 2cm; contains two minor 4B and a 5B minor; 1% PO around 101.50 near 4B minor and very trace PO found in some bleaching
SZ-19-271	144.55	146.72	2.17	1A	Massive Flows	Green/brown; FG; mod fol; str banded bi; weak-mod per chl; weak wispy bleached banding; trace car/qtz veinlets; barren
SZ-19-271	146.72	149.98	3.26	4B	Feldspar Porphyry	Purple/pink; FG-CG; mod fol; mod sil; mod interstitial bi; mod banded chl xenos from surrounding mafics; weak alb/car banding; str grt from UC to 148.88m after which there is mod hydrothermal pressure fractures; barren
SZ-19-271	149.98	154.12	4.14	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod interstitial/banded bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets; mod chl altered selvages up to 2cm; barren
SZ-19-271	154.12	155.12	1.00	4B	Feldspar Porphyry	Dark purple; FG-MG; mod fol; mod interstitial bi; weak sil; contains small units of 1B; barren
SZ-19-271	155.12	181.22	26.10	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod-str interstitial/banded bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets/veins; weak-mod chl altered selvages up to 2cm; contains a 5B/4E minor; very trace PO found in some bleaching
SZ-19-271	181.22	216.53	35.31	6B	Gabbro	Green/white; FG-CG; mod fol; mod per chl; mod felsic replacement of groundmass; mod interstitial bi; weak ser/car wispy patches/stringers; weak qtz veinlets; trace k-spar patches; contains a minor 4E; barren
SZ-19-271	216.53	234.31	17.78	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; mod fol; mod lcl shearing; mod per chl; mod felsic replacement of groundmass locally banded; alternates between a sheared 1A and a gabbroic section; mod interstitial bi; weak ser/car wispy patches/stringers; weak qtz veinlets; trace k-spar patches; contains several small 5B/4E units; barren
SZ-19-271	234.31	253.51	19.20	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod-str interstitial bi; weak car/qtz veinlets; weak ser bleaching; weak talc fracturing; contains 2 minors 4B and a minor 5B; 1% blebby PO between 236.63-238
SZ-19-271	253.51	273.09	19.58	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod interstitial/banded bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets/veins; mod chl altered selvages up to 2cm; barren
SZ-19-271	273.09	300.05	26.96	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; mod fol; mod lcl shearing; mod per chl; mod felsic replacement of groundmass lcl banded; alternates between a sheared 1A and a gabbroic section; mod interstitial bi; weak ser/car wispy patches/stringers; weak qtz veinlets/veins; contains several small 5B units and a minor 4E; barren
SZ-19-271	300.05	301.50	1.45	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; mod interstitial bi; 5% phenos; weak-mod banded alb; mod sil; barren
SZ-19-271	301.50	310.75	9.25	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak amygdules; weak car/qtz veinlets; weak ser bleaching; weak talc fracturing; contains a minor 6B; barren
SZ-19-271	310.75	311.85	1.10	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; mod interstitial bi; <5% phenos; weak banded alb; mod sil; barren
SZ-19-271	311.85	360.86	49.01	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets/veins; mod chl altered selvages up to 2cm; contains 2 4B minors; barren
SZ-19-271	360.86	363.96	3.10	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; weak qtz veinlets; mod interstitial bi; 5% phenos; weak-mod banded alb; mod flooded ser within 50cm of LC; mod sil; contains a 1B minor; barren
SZ-19-271	363.96	364.64	0.68	1B	Pillowed Flows	Green/white; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; mod qtz veinlets; trace chl altered selvages up to 1cm; 1% PO in qtz veinlets 30cm to LC

SZ-19-271	364.64	369.68	5.04	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; weak shearing; mod qtz veinlets; mod interstitial bi; <5% phenos; weak-mod banded alb; mod-str sil; contains a 5B minor; 0.5% PO closer to LC
SZ-19-271	369.68	369.98	0.30	1ALT	Altered Mafic Volcanic	Green; FG; mod-str fol; mod-str banded chl/act/ser/bi; 0.5% PO
SZ-19-271	369.98	383.89	13.91	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets; weak-mod chl altered selvages up to 2cm; contains minor 4B; barren
SZ-19-271	383.89	388.43	4.54	1UT	Ultramafic Talc/Chlorite Altered	Green; FG; no fol; str per chl; weak-mod mag; mod per bi; str fracturing; barren
SZ-19-271	388.43	391.95	3.52	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; weak qtz veinlets; mod interstitial bi; 10% phenos; mod banded alb; mod sil; trace PY
SZ-19-271	391.95	395.17	3.22	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; mod qtz veinlets; weak-mod chl altered selvages up to 2cm; 0.5 PO/PY
SZ-19-271	395.17	396.08	0.91	QV	Quartz Vein	<b>14 FLCECKS VG</b> White/smoky/purple; CG; no fol; mod speckled sulfides/chl/bi; small sections of primary 4ALT unit; 1% PO/1% PY/0.5%CPY/0.5% Galena/trace SPH/14 flecks VG
SZ-19-271	396.08	402.54	6.46	1B	Pillowed Flows	Green; FG; mod fol; mod per chl with lcl str per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; weak-mod qtz veinlets; weak-mod chl altered selvages up to 2cm; barren
SZ-19-271	402.54	404.68	2.14	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; weak qtz veinlets; mod interstitial bi; 5-10% phenos; mod banded alb; mod sil; barren
SZ-19-271	404.68	438.55	33.87	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser; weak-mod car veinlets; weak qtz veinlets; weak-mod chl altered selvages up to 2cm; contains small sections that are more heavily banded with mod qtz veinlets and up to 2% PO/PY between 421-424.50 and again at 436-436.50
SZ-19-271	438.55	440.30	1.75	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; weak qtz veinlets; mod interstitial bi; 5-10% phenos; weak banded alb; weak hydrothermal pressure fractures; mod sil; contains a couple small 1A units; trace PO
SZ-19-271	440.30	459.00	18.70	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak amygdules; weak car/qtz veinlets; weak ser bleaching; contains a minor 6B; trace PO around 446-447m

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-271		Actlabs	A19-07528	Assay	359.86	360.86	1.00	166803		15		
SZ-19-271		Actlabs	A19-07528	Assay	360.86	361.80	0.94	166804		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	361.80	362.71	0.91	166805		50		
SZ-19-271		Actlabs	A19-07528	Assay	362.71	363.66	0.95	166806		19		
SZ-19-271		Actlabs	A19-07528	Assay	363.66	363.96	0.30	166807		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	363.96	364.64	0.68	166808		21		
SZ-19-271		Actlabs	A19-07528	Assay	364.64	365.20	0.56	166809		8		
SZ-19-271		Actlabs	A19-07528	OREAS 210				166810		5370		
SZ-19-271		Actlabs	A19-07528	Assay	365.20	366.02	0.82	166811		8		
SZ-19-271		Actlabs	A19-07528	Assay	366.02	366.84	0.82	166812		12		
SZ-19-271		Actlabs	A19-07528	Assay	366.84	367.70	0.86	166813		105		
SZ-19-271		Actlabs	A19-07528	Assay	367.70	368.50	0.80	166814		364		
SZ-19-271		Actlabs	A19-07528	Assay	368.50	369.38	0.88	166815		52		
SZ-19-271		Actlabs	A19-07528	Assay	369.38	369.68	0.30	166816		337		
SZ-19-271		Actlabs	A19-07528	Assay	369.68	369.98	0.30	166817		55		
SZ-19-271		Actlabs	A19-07528	Assay	369.98	370.98	1.00	166818		18		
SZ-19-271		Actlabs	A19-07528	Assay	387.43	388.43	1.00	166819		6		
SZ-19-271		Actlabs	A19-07528	Blank				166820		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	388.43	389.40	0.97	166821		5		
SZ-19-271		Actlabs	A19-07528	Assay	389.40	390.30	0.90	166822		14		
SZ-19-271		Actlabs	A19-07528	Assay	390.30	391.20	0.90	166823		9		
SZ-19-271		Actlabs	A19-07528	Assay	391.20	391.95	0.75	166824		59		
SZ-19-271		Actlabs	A19-07528	Assay	391.95	392.80	0.85	166825		41		
SZ-19-271		Actlabs	A19-07528	Assay	392.80	393.60	0.80	166826		36		
SZ-19-271		Actlabs	A19-07528	Assay	393.60	394.40	0.80	166827		221		
SZ-19-271		Actlabs	A19-07528	Assay	394.40	395.17	0.77	166828		> 10000	21.5	10.7
SZ-19-271		Actlabs	A19-07528	Assay	395.17	396.08	0.91	166829		> 10000	75.8	41.9
SZ-19-271		Actlabs	A19-07528	OREAS 216				166830		6720		
SZ-19-271		Actlabs	A19-07528	Assay	396.08	397.08	1.00	166831		56		
SZ-19-271		Actlabs	A19-07528	Assay	420.26	421.26	1.00	166832		37		
SZ-19-271		Actlabs	A19-07528	Assay	421.26	421.59	0.33	166833		5		
SZ-19-271		Actlabs	A19-07528	Assay	421.59	422.59	1.00	166834		6		
SZ-19-271		Actlabs	A19-07528	Assay	422.59	423.52	0.93	166835		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	423.52	424.48	0.96	166836		6		
SZ-19-271		Actlabs	A19-07528	Assay	424.48	425.48	1.00	166837		9		
SZ-19-271		Actlabs	A19-07528	Assay	435.07	436.07	1.00	166838		12		
SZ-19-271		Actlabs	A19-07528	Assay	436.07	436.53	0.46	166839		31		
SZ-19-271		Actlabs	A19-07528	Blank				166840		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	436.53	437.54	1.01	166841		11		
SZ-19-271		Actlabs	A19-07528	Assay	437.54	438.55	1.01	166842		8		
SZ-19-271		Actlabs	A19-07528	Assay	438.55	439.40	0.85	166843		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	439.40	440.30	0.90	166844		< 5		
SZ-19-271		Actlabs	A19-07528	Assay	440.30	441.30	1.00	166845		8		



<b>Hole Number:</b>	<b>SZ-19-272</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					June 26 2019	July 2 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	68	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646041.06					
<b>Northing</b>	5406843.19	<b>Dip:</b>	-73	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	439.89				June 27 2019	July 3 2019
<u>Final Pick up</u>		<b>Depth(m):</b>	612.00	<b>Logger 1:</b>	Josh Zundl	
<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>		
					<b>Assay Lab:</b>	Actlabs

Purpose of Hole	Expanding the Indicated for the Upper Zone	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
<b>Results</b>	No VG or areas of strong sulfides throughout hole. Upper zone is likely the Altered Feldspar Porphyry unit from 475.61-479.28m but there were other units with strong structure indicative of the zone nearby, but none had significant sulfides.	0.0	68.0	-73.0		Planned	75.6
		24.0	69.0	-73.5	5634	6m Hex; 18	76.6
		54.0	67.3	-73.0	5620	6m Hex; 18	74.9
		84.0	68.7	-72.7	5553	at 63m 6m	76.3
		114.0	69.1	-71.8	5573		76.7
		144.0	69.3	-71.6	5584	138m char	76.9
		174.0	70.0	-71.0	5584		77.6
		204.0	70.4	-70.1	5589	6m Standa	78
		234.0	72.0	-69.5	5571	at 228m 6m	79.6
		264.0	70.6	-68.7	5589	267m char	78.2
<b>Comments</b>		294.0	71.0	-68.0	5587		78.6
		324.0	71.2	-67.6	5589	6m Standa	78.8
		354.0	70.3	-66.4	5613	6m Standa	77.9
		384.0	70.7	-65.7	5600	6m Standa	78.3
		414.0	70.0	-63.9	5602	6m Standa	77.6
		444.0	66.7	-62.4	5589	6m Standa	74.3
		474.0	67.2	-59.2	5592	6m Standa	74.8
		504.0	66.2	-56.9	5596	6m Standa	73.8
		534.0	65.1	-54.5	5590	6m Standa	72.7
		564.0	66.1	-52.9	5574	573m char	73.7
<b>Azimuth corrected to 7.6 degrees west declination</b>		594.0	65.8	-51.0	5592	6m Standa	73.4
		612.0	65.2	-48.5	5580		72.8



BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-272	0.00	0.25	0.25	OVB	Overburden	
SZ-19-272	0.25	18.01	17.76	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak-mod chl altered selvages up to 2cm; weak qtz veinlets; mod car veinlets; contains a minor 4B; barren
SZ-19-272	18.01	19.15	1.14	4ALT	Altered Feldspar Porphyry	Light purple/green; FG; mod fol; mod-str hydrothermal pressure fractures with mod ser flooding; trace k-spar replacement; mod alb banding/patches; barren
SZ-19-272	19.15	21.03	1.88	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak-mod chl altered selvages up to 2cm; trace k-spar replacement; weak qtz veinlets; mod car veinlets; barren
SZ-19-272	21.03	22.54	1.51	4B	Feldspar Porphyry	Purple/white; FG-CG; mod fol; 20% large subrounded felds phenos; mod interstitial bi; trace alb banding/patches; trace ser flooding around alb; barren
SZ-19-272	22.54	28.31	5.77	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak-mod chl altered selvages up to 2cm; weak qtz/car veinlets; barren
SZ-19-272	28.31	33.52	5.21	4B	Feldspar Porphyry	Purple/white; FG-CG; mod fol; 20% large subrounded felds phenos with mod k-spar alteration (about 50% each); mod interstitial bi; trace alb banding/patches; trace ser flooding around alb; barren
SZ-19-272	33.52	48.29	14.77	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak-mod chl altered selvages up to 2cm; weak qtz/car veinlets; barren
SZ-19-272	48.29	50.13	1.84	3D	Iron Formation	Green/brown/purple; FG; mod fol; mod banded chl/ser/bi; mod bedded chert/sulfides. Most of unit is closer to a banded 1A with 3D intermittedly inside; 2% PO/PY
SZ-19-272	50.13	59.48	9.35	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; mod fol; mod per chl; grains size alternated throughout; mod-str lcl banded/interstitial bi; about 20% felsic groundmass; small sections 3D and 1 minor 3D; trace PO in 3D sections
SZ-19-272	59.48	65.32	5.84	1UT	Ultramafic Talc/Chlorite Altered	Green/blue; FG; no fol; first 30% is mod-str per chl with last 70% str per talc; mod fracturing with little gouge; mod mag in talc section; barren
SZ-19-272	65.32	73.19	7.87	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; mod fol; mod per chl; grains size alternated throughout; mod-str lcl banded/interstitial bi; about 40% felsic groundmass; small sections 3D; trace PO/PY/grt in 3D sections
SZ-19-272	73.19	75.85	2.66	1UT	Ultramafic Talc/Chlorite Altered	Green/blue; FG; no fol; last meter is mod-str per chl/weak per bi with the rest str per talc; mod fracturing with little gouge; mod mag in talc section; contains a small 3D section; barren
SZ-19-272	75.85	78.57	2.72	3D	Iron Formation	Green/brown/purple; FG; weak-mod fol; weak banded chl/ser/bi; mod wispy bedded chert/sulfides; mod patchy grt. Most of unit is closer to a banded 1A with 3D intermittedly inside; 7% PO/1% PY
SZ-19-272	78.57	87.14	8.57	1A	Massive Flows	Light/dark green; FG-CG; mod fol; mod per chl; mod-str lcl banded/interstitial bi; weak qtz veinlets; small sections 3D; trace PO in 3D section
SZ-19-272	87.14	89.40	2.26	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 15% felds phenos; mod interstitial bi; trace alb banding/patches; trace ser flooding around alb; small unit 1B; barren
SZ-19-272	89.40	118.51	29.11	6B	Gabbro	Light/dark green; FG-CG; no fol; mod per chl; mod interstitial bi; about 50% felsic groundmass; trace ser bleaching; weak-mod qtz/car veinlets/veins; contains a minor 5B; barren
SZ-19-272	118.51	146.04	27.53	1A	Massive Flows	Light/dark green; FG-MG; mod fol; mod per chl; mod interstitial bi; about 50% felsic groundmass; trace ser bleaching; weak-mod qtz/car veinlets/veins; contains a minor 5B and 2 4B minors; barren
SZ-19-272	146.04	148.98	2.94	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; 10% phenos; weak hydrothermal pressure fractures with weak ser flooding; weak-mod alb banding with mod ser/chl/car bleaching in the alb bands; mod sil; mod interstitial bi; barren
SZ-19-272	148.98	206.10	57.12	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod-str wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets/veins; mod car veinlets; lcl areas of stronger banding; trace lcl k-spar alteration in banding; contains 2 minors 4B and a 4ALT minor; barren
SZ-19-272	206.10	207.37	1.27	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; <5% phenos; weak-mod alb banding with weak ser flooding; mod sil; mod interstitial bi; barren
SZ-19-272	207.37	242.80	35.43	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod-str wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; mod car veinlets; lcl areas of stronger banding; trace lcl k-spar alteration in banding; contains minor 4E/5B; trace PO
SZ-19-272	242.80	244.16	1.36	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; mod shearing; weak-mod alb banding with trace ser flooding; 2% phenos; mod elongated interstitial chl/bi; mod sil; barren
SZ-19-272	244.16	251.76	7.60	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod-str wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; mod car veinlets; barren
SZ-19-272	251.76	253.23	1.47	4E	Pegmatite	Pink/smoky/white; FG-CG; no fol; mod-str aplitic pink; weak grt stringers; weak speckled msc; mod patchy white felds; mod smoky qtz; barren
SZ-19-272	253.23	291.43	38.20	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod-str wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets/veins; weak car veinlets; barren
SZ-19-272	291.43	345.04	53.61	6B	Gabbro	Light/dark green; FG-CG; weak-mod fol; mod shearing; slow gradational increase in grain size for about a meter before UC; mod per chl; mod interstitial bi; about 50% felsic groundmass; trace ser bleaching; weak qtz/car veinlets/veins; contains several small 4E/5B units and two 5B minor; barren
SZ-19-272	345.04	351.08	6.04	1B	Pillowed Flows	Dark green; FG; mod fol; weak-mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz/car veinlets; barren

SZ-19-272	351.08	352.89	1.81	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% phenos; weak alb banding; mod sil; weak hydrothermal pressure fractures; mod interstitial bi; barren
SZ-19-272	352.89	360.30	7.41	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; mod fol; mod per chl; grains size alternated throughout; mod interstitial bi; about 30% felsic groundmass; weak talc fractures; barren
SZ-19-272	360.30	372.38	12.08	1B	Pillowed Flows	Dark green; FG; mod fol; weak-mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz/car veinlets; 369m to LC is strongly brecciated - fracture healed with alb/talc/chl/ser/xenos of 4E; barren
SZ-19-272	372.38	374.80	2.42	4E	Pegmatite	Pink/light green; FG-MG; no fol; 5% felds eyes; mostly aplitic pink k-spar; str stringers/fractures bi/ser; healed breccia texture close to UC; barren
SZ-19-272	374.80	392.19	17.39	1B	Pillowed Flows	Green; FG; mod fol; weak-mod per chl; mod interstitial/banded bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz/car veinlets; contains a minor 5B; barren
SZ-19-272	392.19	407.20	15.01	1Z	Gabbroic with gradational contacts	Dark green; FG-CG; mod fol; weak-mod per chl; grains size alternated throughout; mod interstitial bi; trace car/alb stringers; barren
SZ-19-272	407.20	408.54	1.34	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 15% phenos; weak alb banding; mod sil; mod interstitial bi; barren
SZ-19-272	408.54	417.14	8.60	1A	Massive Flows	Dark green; FG-MG; mod fol; weak-mod per chl; mod interstitial bi; weak qtz/car veinlets; weak ser bleaching with trace PY inside
SZ-19-272	417.14	418.41	1.27	4ALT	Altered Feldspar Porphyry	Purple/light green; FG; mod fol; mod shearing; mod hydrothermal pressure fractures with mod ser flooding; weak alb banding/patches; mod interstitial bi; weak ser patches; contains a qtz veinlets; mod sil; barren
SZ-19-272	418.41	445.90	27.49	1A	Massive Flows	Dark green; FG-MG; mod fol; weak-mod per chl; weak lcl areas with CG; weak grt around 424-425m; mod banded/interstitial bi; weak qtz veinlets/veins; barren
SZ-19-272	445.90	456.11	10.21	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak-mod qtz/car veinlets; barren
SZ-19-272	456.11	457.20	1.09	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; weak shearing; str alb banding; mod interstitial bi; mod sil; weak ser flooding; barren
SZ-19-272	457.20	475.61	18.41	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak-mod car veinlets; mod qtz veinlets/veins; very trace PO
SZ-19-272	475.61	479.28	3.67	4ALT	Altered Feldspar Porphyry	Purple; FG; mod fol; weak shearing; weak hydrothermal pressure fractures with weak ser flooding; weak lcl areas of low shearing and 5% phenos; weak-mod alb banding/patches; mod interstitial bi; weak-mod ser/chl stringers near alb bands; weak-mod qtz veinlets; mod sil; 1% diss PO
SZ-19-272	479.28	480.57	1.29	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod-str ser banding; mod chl altered selvages up to 1cm; contains some small 4ALT units; trace PO
SZ-19-272	480.57	485.02	4.45	4ALT	Altered Feldspar Porphyry	Purple/green; FG; mod fol; weak shearing; mod hydrothermal pressure fractures with mod ser flooding; weak-mod alb banding/patches; mod interstitial bi; weak-mod ser/chl stringers near alb bands; weak-mod qtz veinlets; mod sil; 1% diss PO
SZ-19-272	485.02	485.43	0.41	1ALT	Altered Mafic Volcanic	Green; FG; mod-str fol; mod per chl; mod interstitial/banded bi; mod-str ser banding; mod chl altered selvages up to 1cm; trace PO
SZ-19-272	485.43	497.05	11.62	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak qtz/car veinlets; barren
SZ-19-272	497.05	498.49	1.44	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% phenos; weak-mod alb banding; mod sil; mod interstitial bi; barren
SZ-19-272	498.49	499.04	0.55	1ALT	Altered Mafic Volcanic	Brown/ light/dark green; mod-str fol; FG; mod banded ser/chl/act/bi; trace car/qtz veinlets; barren
SZ-19-272	499.04	500.09	1.05	4B	Feldspar Porphyry	Purple; FG; mod fol; weak shearing; 2% phenos; weak-mod alb banding; trace hydrothermal pressure fractures with trace ser flooding; mod sil; mod interstitial bi; barren
SZ-19-272	500.09	523.60	23.51	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak qtz/car veinlets/veins; contains 2 minors 4B and a minor 4ALT; barren
SZ-19-272	523.60	525.31	1.71	5B	Granodiorite	White/black/yellow; FG-MG; no fol; mod interstitial bi/amph; mod speckled msc; trace grt; barren
SZ-19-272	525.31	527.40	2.09	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak qtz/car veinlets/veins; contains a small 4ALT unit; barren
SZ-19-272	527.40	530.57	3.17	1ALT	Altered Mafic Volcanic	Light/dark green/brown; mod-str fol; FG; mod-str banded ser/act/chl/bi; weak car/qtz stringers; contains 2 minors 4ALT and some more 1B sections; trace PO close to minors
SZ-19-272	530.57	537.50	6.93	1A	Massive Flows	Dark green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak qtz/car veinlets; weak-mod talc fractures; contains a minor 4B; barren
SZ-19-272	537.50	539.67	2.17	1UT	Ultramafic Talc/Chlorite Altered	Blue/green; FG; no fol; str per talc/chl; mod mag; weak fracturing with little apparent gouge; contains a qtz vein; barren
SZ-19-272	539.67	540.65	0.98	4ALT	Altered Feldspar Porphyry	Light purple/green/white; FG-CG; mod-str fol; str banded qtz with small 1UT units/purple 4ALT/ser flooded 4ALT; mod stringer chl; trace PY
SZ-19-272	540.65	556.69	16.04	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 1cm; weak-mod qtz/car veinlets/veins; trace PO/PY/CPY in bleaching 547-550m

SZ-19-272	556.69	580.90	24.21	1A	Massive Flows	Green; FG-MG; mod fol; mod interstitial/lcl banded bi; weak felsic amygdules; weak lcl 30% felsic groundmass; weak car stringers; weak qtz veinlets/veins; contains 4 4B/4ALT minors; barren
SZ-19-272	580.90	612.00	31.10	1Z	Gabbroic with gradational contacts	Dark green; FG-MG; mod fol; mod per chl; grains size alternated throughout; mod interstitial bi; 30% felsic groundmass; weak wispy ser; weak-mod veinlets car/qtz; trace felsic amygdules; contains 4 minor 4B; trace PO around 587m and 2% PO 602-602.30

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-272		Actlabs	A19-08764	Assay	176.72	177.62	0.90	167021		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	177.62	178.26	0.64	167022		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	178.26	179.26	1.00	167023		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	467.76	468.76	1.00	167024		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	468.76	469.24	0.48	167025		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	469.24	469.68	0.44	167026		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	469.68	470.68	1.00	167027		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	474.61	475.61	1.00	167028		77		
SZ-19-272		Actlabs	A19-08764	Assay	475.61	476.60	0.99	167029		15		
SZ-19-272		Actlabs	A19-08764	OREAS 216				167030		6750		
SZ-19-272		Actlabs	A19-08764	Assay	476.60	477.40	0.80	167031		33		
SZ-19-272		Actlabs	A19-08764	Assay	477.40	478.20	0.80	167032		29		
SZ-19-272		Actlabs	A19-08764	Assay	478.20	479.20	1.00	167033		9		
SZ-19-272		Actlabs	A19-08764	Assay	479.20	479.80	0.60	167034		46		
SZ-19-272		Actlabs	A19-08764	Assay	479.80	480.57	0.77	167035		20		
SZ-19-272		Actlabs	A19-08764	Assay	480.57	481.50	0.93	167036		501		
SZ-19-272		Actlabs	A19-08764	Assay	481.50	482.40	0.90	167037		20		
SZ-19-272		Actlabs	A19-08764	Assay	482.40	483.30	0.90	167038		11		
SZ-19-272		Actlabs	A19-08764	Assay	483.30	484.20	0.90	167039		8		
SZ-19-272		Actlabs	A19-08764	Blank				167040		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	484.20	485.02	0.82	167041		33		
SZ-19-272		Actlabs	A19-08764	Assay	485.02	485.43	0.41	167042		9		
SZ-19-272		Actlabs	A19-08764	Assay	485.43	486.43	1.00	167043		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	496.01	497.01	1.00	167044		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	497.01	497.83	0.82	167045		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	497.83	498.49	0.66	167046		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	498.49	499.04	0.55	167047		7		
SZ-19-272		Actlabs	A19-08764	Assay	499.04	500.04	1.00	167048		58		
SZ-19-272		Actlabs	A19-08764	Assay	500.04	501.04	1.00	167049		< 5		
SZ-19-272		Actlabs	A19-08764	OREAS 215				167050		3320		
SZ-19-272		Actlabs	A19-08764	Assay	501.04	502.04	1.00	167051		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	502.04	503.04	1.00	167052		5		
SZ-19-272		Actlabs	A19-08764	Assay	503.04	503.41	0.37	167053		375		
SZ-19-272		Actlabs	A19-08764	Assay	503.41	504.02	0.61	167054		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	504.02	504.52	0.50	167055		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	504.52	505.52	1.00	167056		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	526.40	527.40	1.00	167057		1050		
SZ-19-272		Actlabs	A19-08764	Assay	527.40	527.83	0.43	167058		261		
SZ-19-272		Actlabs	A19-08764	Assay	527.83	528.39	0.56	167059		83		
SZ-19-272		Actlabs	A19-08764	Blank				167060		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	528.39	529.00	0.61	167061		11		
SZ-19-272		Actlabs	A19-08764	Assay	529.00	529.71	0.71	167062		33		
SZ-19-272		Actlabs	A19-08764	Assay	529.71	530.09	0.38	167063		1210		
SZ-19-272		Actlabs	A19-08764	Assay	530.09	530.57	0.48	167064		199		
SZ-19-272		Actlabs	A19-08764	Assay	530.57	531.57	1.00	167065		26		
SZ-19-272		Actlabs	A19-08764	Assay	538.67	539.67	1.00	167066		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	539.67	540.65	0.98	167067		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	540.65	541.65	1.00	167068		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	565.62	566.62	1.00	167069		5		
SZ-19-272		Actlabs	A19-08764	OREAS 210				167070		5350		
SZ-19-272		Actlabs	A19-08764	Assay	566.62	567.62	1.00	167071		13		
SZ-19-272		Actlabs	A19-08764	Assay	567.62	568.30	0.68	167072		33		
SZ-19-272		Actlabs	A19-08764	Assay	568.30	569.17	0.87	167073		14		
SZ-19-272		Actlabs	A19-08764	Assay	569.17	569.66	0.49	167074		< 5		
SZ-19-272		Actlabs	A19-08764	Assay	569.66	570.66	1.00	167075		6		



Hole Number:

SZ-19-273

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:			
Surface					July 2 2019	July 06 2019			
<u>Planned Coordinates</u>		Azimuth:	68	Drill Contractor:	Foraco Canada Ltd				
Easting	646041.06								
Northing	5406843.19	Dip:	-64	Dates Logged:	Start Date:	End Date:			
Elevation(m)	439.85				July 2 2019	July 06 2019			
<u>Final Pick up</u>		Depth(m):	510.00	Logger 1:	Josh Zundl				
Easting				Logger 2:	Jordan Keir-Sage				
Northing		Core Size:	NQ	Logger 3:					
Elevation(m)				Assay Lab:	Actlabs				
Casing		Cemented							
Purpose of Hole	Expanding the Indicated for the Upper Zone	<b>Dip Tests</b>							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Results	3 specks VG visible In altered porphyry from 408.37-413.41	0.0	68.0	-64.0		Planned	75.6		
		24.0	71.4	-64.0	5641	11m chang	79		
		54.0	72.2	-62.2	5844	Hi mag az 6	77		
		84.0	72.9	-61.9	5578	6m Stabali	80.5		
		114.0	72.3	-61.3	5595	6m Hex; 18	79.9		
		144.0	73.5	-61.0	5605	141m char	81.1		
		174.0	74.9	-60.4	5602	6m Hex; 18	82.5		
		204.0	73.6	-59.3	5594	6m Hex; 18	81.2		
Comments	Josh logged until 435m.	234.0	74.9	-58.8	5603	237m char	82.5		
		264.0	73.4	-58.1	5606	6m Hex; 18	81		
		294.0	73.4	-57.8	5606	6m Hex; 18	81		
		324.0	74.9	-57.3	5601		82.5		
		354.0	73.5	-56.2	5610	6m Hex; 18	81.1		
		384.0	74.1	-55.4	5608	375m 6m S	81.7		
		414.0	75.1	-54.5	5594	6m Standa	82.7		
		444.0	74.8	-53.1	5597	6m Standa	82.4		
		Azimuth corrected to 7.6 degrees west declination		474.0	74.0	-52.6	5593	480m char	81.6
				510.0	73.9	-51.4	5608	6m Standa	81.5
				-7.6					

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-273	0.00	0.80	0.80	OVB	Overburden	
SZ-19-273	0.80	14.68	13.88	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; mod car veinlets; mod wispy ser beaching; mod chl altered selvages up to 3cm; barren
SZ-19-273	14.68	16.20	1.52	4ALT	Altered Feldspar Porphyry	Purple/green; FG; mod fol; mod-str hydrothermal pressure-fractures with mod ser flooding; weak alb banding; weak k-spar patches; mod interstitial bi; mod sil; trace PY
SZ-19-273	16.20	18.37	2.17	4B	Feldspar Porphyry	Purple/white; FG-CG; mod fol; 15% CG sub rounded pheons; mod interstitial bi; weak-mod sil; weak-mod alb banding/patches; barren
SZ-19-273	18.37	23.65	5.28	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak car veinlets; weak-mod wispy ser beaching; mod chl altered selvages up to 2cm; barren
SZ-19-273	23.65	28.01	4.36	4ALT	Altered Feldspar Porphyry	Purple/pink; FG-CG; mod fol; weak shearing; 15% CG sub rounded k-spar pheons; weak k-spar patches; weak ser flooding lightly throughout most of unit; mod interstitial bi; weak-mod sil; weak qtz veinlets; barren
SZ-19-273	28.01	33.38	5.37	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak car veinlets; weak-mod wispy ser beaching; mod chl altered selvages up to 3cm; barren
SZ-19-273	33.38	35.29	1.91	4B	Feldspar Porphyry	Dark purple; FG; mod fol; weak shearing; mod interstitial bi; weak alb banding; weak sil; barren
SZ-19-273	35.29	43.12	7.83	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak car veinlets; weak-mod wispy ser beaching; mod chl altered selvages up to 1cm; barren
SZ-19-273	43.12	45.98	2.86	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; mod interstitial bi; contains several small 3D units - mostly chert banded with qtz/chl/ser; 1% PY/PO
SZ-19-273	45.98	51.61	5.63	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; mod per chl; mod interstitial bi; unit changes grain size gradually; contains a minor 5B with stringers of alb near the contacts; weak ser bleaching; barren
SZ-19-273	51.61	55.63	4.02	1UT	Ultramafic Talc/Chlorite Altered	Blue/green; FG; no fol; str per talc; weak per bi/chl; barren
SZ-19-273	55.63	62.43	6.80	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; mod interstitial bi; trace ser banding; barren
SZ-19-273	62.43	64.04	1.61	1UT	Ultramafic Talc/Chlorite Altered	Blue/green; FG; no fol; str per talc; weak per bi/chl; barren
SZ-19-273	64.04	65.50	1.46	3D	Iron Formation	Purple/white/green; FG; mod fol; mod bedding chert with mod banding chl/qtz/ser/bi/sulfides; 5% PO
SZ-19-273	65.50	68.19	2.69	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; mod interstitial bi; trace ser banding with mottled texture near LC; barren
SZ-19-273	68.19	71.12	2.93	1UT	Ultramafic Talc/Chlorite Altered	Blue/green; FG; no fol; str per talc; weak per bi/chl; barren
SZ-19-273	71.12	74.86	3.74	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; mod-str banded/interstitial bi; weak wispy ser banding; weak qtz veinlets; contains a 4B minor; barren
SZ-19-273	74.86	77.22	2.36	5B	Granodiorite	White/yellow/black; FG-MG; no fol; mod interstitial bi/amph; mod speckled msc; mod qtz patches; contains a minor 4B; barren
SZ-19-273	77.22	80.83	3.61	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; mod interstitial bi; trace ser banding; trace talc stringers; barren
SZ-19-273	80.83	82.96	2.13	5B	Granodiorite	White/black; FG-MG; no fol; mod interstitial bi/amph; mod qtz patches; weak speckled msc; barren
SZ-19-273	82.96	110.55	27.59	6B	Gabbro	Light/dark green; FG-CG; no fol; mod per chl; 40% of unit has felsic groundmass; mod-str ser/alb stringers/patches - less in the second half of unit; mod interstitial/patchy bi; weak k-spar alteration in bleaching; contains a minor 5B; barren
SZ-19-273	110.55	111.97	1.42	4ALT	Altered Feldspar Porphyry	Dark purple/green; FG; mod fol; strongly altered by surrounding mafics - unit is nearly indistinguishable in colour; mod per chl; mod interstitial bi; weak sil; weak alb banding; trace wispy ser bleaching; weak qtz veinlets; barren
SZ-19-273	111.97	125.41	13.44	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; no fol; mod per chl; 40% of unit has felsic groundmass; weak ser/alb stringers/patches; mod interstitial/slightly banded bi; barren
SZ-19-273	125.41	127.68	2.27	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod shearing; mod elongated interstitial bi; weak-mod alb banding; 4% pheons; mod sil; trace ser flooding in alb banding; barren
SZ-19-273	127.68	129.75	2.07	1A	Massive Flows	Dark green; FG; mod fol; weak per chl; str interstitial bi; weak ser/car stringers; contains minor 5B; barren
SZ-19-273	129.75	131.54	1.79	5B	Granodiorite	White/black/yellow; FG-MG; no fol; mod interstitial bi/amph; weak-mod qtz patches; weak-mod speckled msc; barren
SZ-19-273	131.54	150.84	19.30	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; mod-str car veinlets; mod wispy ser beaching; mod chl altered selvages up to 3cm; contains 3 4B minors; barren
SZ-19-273	150.84	152.22	1.38	4ALT	Altered Feldspar Porphyry	Light purple; FG; mod fol; weak hydrothermal pressure fractures with mod-str ser flooding/banding; weak chl stringers; mod-str sil; mod interstitial bi; barren
SZ-19-273	152.22	152.98	0.76	1ALT	Altered Mafic Volcanic	Light green; FG; mod-str fol; mod-str wispy banded ser; mod banded chl/bi; weak stringer car; mod qtz veinlets; 1% PO
SZ-19-273	152.98	175.59	22.61	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi with many large patches of bi throughout unit; mod per chl; mod car veinlets; mod wispy ser beaching; mod chl altered selvages up to 2cm; contains a 6E minor; trace blebby PO
SZ-19-273	175.59	176.57	0.98	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod interstitial bi; mod-str alb banding; 3% pheons; mod sil; weak ser flooding in alb banding; barren
SZ-19-273	176.57	254.92	78.35	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; mod car veinlets; mod wispy ser beaching; trace patchy k-spar; mod chl altered selvages up to 2cm; contains 2 4B minors and a QV minor; barren

SZ-19-273	254.92	272.27	17.35	6B	Gabbro	Light/dark green; FG-CG; no fol; mod per chl; 40% of unit has felsic groundmass; weak-mod ser/alb stringers/patches; weak car veinlets; mod interstitial bi; contains a minor 4E; barren
SZ-19-273	272.27	276.54	4.27	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak ser/car stringers; mod tiny fractures; barren
SZ-19-273	276.54	296.18	19.64	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; mod per chl; mod interstitial bi; unit alternates between CG and FG areas; 40% felsic groundmass that becomes banded with foliation in FG areas; weak qtz veinlets; contains a minor 5B; trace PO 287-289m
SZ-19-273	296.18	297.31	1.13	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod chl stringers; weak ser bleaching; mod-str alb banding; 12% pheons; mod interstitial bi; mod sil; barren
SZ-19-273	297.31	306.04	8.73	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; mod per chl; mod interstitial bi; unit alternates between CG and FG areas; 40% felsic groundmass that becomes banded with foliation in FG areas; weak qtz veinlets; mod mottled/wispy bleaching ser; weak large stringers 5B; contains a minor 5B; barren
SZ-19-273	306.04	327.71	21.67	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod car veinlets; mod wispy ser beaching; weak-mod chl altered selvages up to 1cm; contains a 5B minor; trace k-spar alteration; trace blebby PO 311-312m
SZ-19-273	327.71	342.07	14.36	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; mod per chl; mod interstitial bi; unit alternates between CG and FG areas; 20% felsic groundmass in CG sections; weak-mod qtz veinlets; barren
SZ-19-273	342.07	343.23	1.16	4ALT	Altered Feldspar Porphyry	Light green/purple; FG-MG; mod fol; 7% pheons; weak-mod hydrothermal pressure fractures with weak ser flooding; weak-mod patchy alb bands; mod stringer ser; mod interstitial bi; mod sil; barren
SZ-19-273	343.23	353.62	10.39	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod felsic amygdales; weak qtz veinlets; trace car/alb/ser banding; contains a small 5B unit; barren
SZ-19-273	353.62	355.16	1.54	4B	Feldspar Porphyry	Purple; FG; mod fol; weak shearing; trace elongated pheons; weak-mod alb banding/patches; trace ser flooding in alb banding; mod interstitial bi; mod sil; trace hydrothermal pressure fractures; barren
SZ-19-273	355.16	387.59	32.43	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod car/qtz veinlets/veins; mod wispy ser beaching; weak-mod chl altered selvages up to 1cm; contains a minor 4E and 5B; first 20cm of unit is closer to 1ALT with 2% PO/0.5% PY/CPY
SZ-19-273	387.59	388.83	1.24	4ALT	Altered Feldspar Porphyry	White/purple; FG-MG; mod fol; str banded alb; weak alb stringers; weak qtz veinlets; mod sil; mod interstitial bi; barren
SZ-19-273	388.83	408.37	19.54	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod car veinlets; mod wispy ser beaching; weak-mod chl altered selvages up to 1cm; 3% PO 392.70-392.80m
SZ-19-273	408.37	413.41	5.04	4ALT	Altered Feldspar Porphyry	<b>3 FLECKS VG</b> ; Purple/white; FG; mod fol; weak shearing; mod alb banding; weak stringer ser/chl; weak-mod qtz veinlets; trace pheons; trace hydrothermal pressure fractures; mod interstitial bi; mod sil; 1% PO/trace PY mostly around qtz veinlets; 3 flecks VG 412.80-413.00m
SZ-19-273	413.41	415.79	2.38	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; trace car/alb/ser banding; barren
SZ-19-273	415.79	417.63	1.84	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; weak shearing; weak alb banding; mod-str stringer/flooding ser; trace chl stringers; weak hydrothermal pressure fractures; mod interstitial bi; mod sil; barren. About 0.5m of unit was ground by drill.
SZ-19-273	417.63	417.95	0.32	1ALT	Altered Mafic Volcanic	Light/dark green; FG; mod-str fol; mod-str banded ser/chl/bi; weak car/qtz banding; 2% PO/1% PY
SZ-19-273	417.95	422.09	4.14	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod chl altered selvages up to 3cm; weak-mod wispy ser banding; trace car veinlets; barren
SZ-19-273	422.09	423.52	1.43	4E	Pegmatite	White/black/smoky; CG; no fol; mod patchy smoky qtz; mod interstitial bi/amph; trace grt; barren
SZ-19-273	423.52	426.79	3.27	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod chl altered selvages up to 3cm; weak-mod wispy ser banding; trace car veinlets; barren
SZ-19-273	426.79	428.02	1.23	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; weak shearing; weak alb banding; weak stringer ser/chl; weak qtz veinlets; 10% very elongated pheons; mod interstitial bi; mod sil; barren
SZ-19-273	428.02	451.52	23.50	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak-mod chl altered selvages up to 3cm; weak-mod wispy ser banding; trace car veinlets; contains a minor 4B and 5B; barren
SZ-19-273	451.52	453.14	1.62	4B	Feldspar Porphyry	Fine to medium grained; purplish grey feldspar porphyry; weak foliation; 5% elongated pheons ; minor albite banding; pervasive biotite;
SZ-19-273	453.14	468.83	15.69	1B	Pillowed Flows	Green grey; fine grained pillowed mafic flows. Moderate foliation; weak pervasive chlorite and interstitial biotite; wispy qtz veinlets
SZ-19-273	468.83	469.58	0.75	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; very weak alb banding; very weak stringer/flooding ser; trace chl stringers; very weak hydrothermal pressure fractures; mod interstitial bi; mod sil; barren.
SZ-19-273	469.58	486.00	16.42	1B	Pillowed Flows	Green grey; fine grained pillowed mafic flows. Moderate foliation; weak pervasive chlorite and interstitial biotite; wispy qtz veinlets
SZ-19-273	486.00	486.51	0.51	4ALT	Altered Feldspar Porphyry	Purple/white; FG; mod fol; very weak alb banding; very weak stringer/flooding ser; trace chl stringers; very weak hydrothermal pressure fractures; mod interstitial bi; mod sil; barren.

SZ-19-273	486.51	487.54	1.03	1B	Pillowed Flows	Green grey; fine grained pillowed mafic flows. Moderate foliation; weak pervasive chlorite and interstitial biotite; wispy qtz veinlets
SZ-19-273	487.54	491.94	4.40	4B	Feldspar Porphyry	Fine to medium grained; purplish grey feldspar porphyry; weak foliation; 5% elongated pheons ; minor albite banding; pervasive biotite;
SZ-19-273	491.94	493.76	1.82	5B	Granodiorite	fine to coarse grained; white grey grano diroite; unit is pervasively The units is moderately silicified overprinting the primary minerals
SZ-19-273	493.76	510.00	16.24	1B	Pillowed Flows	Green grey; fine grained pillowed mafic flows. Moderate foliation; weak pervasive chlorite and interstitial biotite; wispy qtz veinlets; with multiple larger mineralized qtz veins



BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-273		Actlabs	A19-09264	Assay	149.84	150.84	1.00	167076		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	150.84	151.60	0.76	167077		10		
SZ-19-273		Actlabs	A19-09264	Assay	151.60	152.22	0.62	167078		7		
SZ-19-273		Actlabs	A19-09264	Assay	152.22	152.98	0.76	167079		< 5		
SZ-19-273		Actlabs	A19-09264	Blank				167080		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	152.98	153.91	0.93	167081		6		
SZ-19-273		Actlabs	A19-09264	Assay	352.67	353.67	1.00	167082		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	353.67	354.40	0.73	167083		5		
SZ-19-273		Actlabs	A19-09264	Assay	354.40	355.16	0.76	167084		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	355.16	355.46	0.30	167085		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	355.46	356.46	1.00	167086		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	407.37	408.37	1.00	167087		50		
SZ-19-273		Actlabs	A19-09264	Assay	408.37	409.20	0.83	167088		121		
SZ-19-273		Actlabs	A19-09264	Assay	409.20	410.00	0.80	167089		15		
SZ-19-273		Actlabs	A19-09264	OREAS 216				167090		6940		
SZ-19-273		Actlabs	A19-09264	Assay	410.00	411.00	1.00	167091		18		
SZ-19-273		Actlabs	A19-09264	Assay	411.00	412.00	1.00	167092		32		
SZ-19-273		Actlabs	A19-09264	Assay	412.00	412.81	0.81	167093		168		
SZ-19-273		Actlabs	A19-09264	Assay	412.81	413.11	0.30	167094		> 10000	26.2	27.8
SZ-19-273		Actlabs	A19-09264	Assay	413.11	413.41	0.30	167095		214		
SZ-19-273		Actlabs	A19-09264	Assay	413.41	414.20	0.79	167096		252		
SZ-19-273		Actlabs	A19-09264	Assay	414.20	415.00	0.80	167097		167		
SZ-19-273		Actlabs	A19-09264	Assay	415.00	415.79	0.79	167098		386		
SZ-19-273		Actlabs	A19-09264	Assay	415.79	416.70	0.91	167099		34		
SZ-19-273		Actlabs	A19-09264	Blank				167100		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	416.70	417.63	0.93	167101		830		
SZ-19-273		Actlabs	A19-09264	Assay	417.63	417.95	0.32	167102		76		
SZ-19-273		Actlabs	A19-09264	Assay	417.95	418.95	1.00	167103		17		
SZ-19-273		Actlabs	A19-09264	Assay	467.83	468.83	1.00	167104		14		
SZ-19-273		Actlabs	A19-09264	Assay	468.83	469.58	0.75	167105		39		
SZ-19-273		Actlabs	A19-09264	Assay	469.58	470.58	1.00	167106		23		
SZ-19-273		Actlabs	A19-09264	Assay	485.00	486.00	1.00	167107		10		
SZ-19-273		Actlabs	A19-09264	Assay	486.00	486.65	0.65	167108		19		
SZ-19-273		Actlabs	A19-09264	Assay	486.65	487.59	0.94	167109		12		
SZ-19-273		Actlabs	A19-09264	OREAS 215				167110		3710		
SZ-19-273		Actlabs	A19-09264	Assay	499.00	500.00	1.00	167111		62		
SZ-19-273		Actlabs	A19-09264	Assay	500.00	501.00	1.00	167112		28		
SZ-19-273		Actlabs	A19-09264	Assay	501.00	502.00	1.00	167113		7		
SZ-19-273		Actlabs	A19-09264	Assay	502.00	503.00	1.00	167114		26		
SZ-19-273		Actlabs	A19-09264	Assay	503.00	504.00	1.00	167115		356		
SZ-19-273		Actlabs	A19-09264	Assay	504.00	505.00	1.00	167116		74		
SZ-19-273		Actlabs	A19-09264	Assay	505.00	508.00	3.00	167117		160		
SZ-19-273		Actlabs	A19-09264	Assay	508.00	508.90	0.90	167118		11		
SZ-19-273		Actlabs	A19-09264	Assay	508.90	509.49	0.59	167119		< 5		
SZ-19-273		Actlabs	A19-09264	Blank				167120		< 5		
SZ-19-273		Actlabs	A19-09264	Assay	509.49	510.00	0.51	167121		< 5		



		Hole Number:		SZ-19-274									
		Drill Rig:		HC-150-20									
		Claim Number:											
Location		Drill Hole Orientation		Dates Drilled:		Start Date:		End Date:					
Surface						10/06/2019		16/06/2019					
Planned Coordinates		Azimuth: 40		Drill Contractor:		Foraco Canada Ltd							
Easting 646248						Dip: -71		Dates Logged:		Start Date:		End Date:	
Northing 5406641										11/06/2019		17/06/2019	
Elevation(m) 436.52		Depth(m): 507.00		Logger 1:		Jordan Keir-Sage							
Final Pick up						Logger 2:		Josh Zundl					
Easting								Logger 3:					
Northing		Core Size: NQ		Assay Lab:		Actlabs							
Elevation(m)													
Casing													
Purpose of Hole		Expanding the Indicated for the Upper Zone		Dip Tests									
				Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.				
Results		Upper Zone found at 355.70-360.75m was the only visible zone. Mostly Altered Feldspar Porphyry with Altered Mafic Volcanics for the last 30cm containing small amounts of PO/PY/CPY and trace SPH but no visible gold.		0.0	40.9	-68.7			47.6				
				24.0	40.9	-68.7	5658	6m hex, 18	48.5				
				57.0	42.9	-68.6	5646	6m hex, 18	50.5				
				93.0	41.5	-68.0	5656	75m chang	49.1				
				123.0	43.6	-66.3	5642	6m stab 18	51.2				
				153.0	47.8	-63.2	5650	147m char	55.4				
				183.0	46.8	-61.9	5653	6m Stabali	54.4				
				213.0	50.4	-60.9	5631		58				
Comments		Jordan logged until 43.39		243.0	48.2	-60.0	5682	at 225m 6r	55.8				
				273.0	49.1	-59.5	5687		56.7				
				303.0	48.7	-58.2	5696		56.3				
				336.0	50.3	-57.7	5664	6m Standa	57.9				
				366.0	53.2	-56.9	5685	6m Standa	60.8				
				396.0	50.6	-55.1	5659	378m char	58.2				
				426.0	52.9	-52.7	5685	6m Standa	60.5				
				456.0	56.1	-51.8	5791		63.7				
				Azimuth corrected to 7.6 degrees west declination				486.0	55.2	-51.0	5671		62.8
								507.0	55.2	-50.5	5666	6m Standa	62.8
		-7.6											

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-274	0.00	3.00	3.00	CAS	Casing	
SZ-19-274	3.00	4.38	1.38	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. minor qtz veinlets. Qtz carb stringers make up 1% of unit.
SZ-19-274	4.38	6.39	2.01	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-274	6.39	59.56	53.17	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. Qtz carb stringers make up 5-10% of unit. Pillow selvages have slight epidote alteration. slightly blocky core near 20 m. contains area of mod-str qtz veining with mod-str bi/ser/chl banding from 58.84 to 59.40m
SZ-19-274	59.56	61.03	1.47	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; <5% felds phenos; mod sil; mod interstitial bi; weak alb banding/Qtz veinlets; contains small 1B units and a small 4E patch; trace PY
SZ-19-274	61.03	75.09	14.06	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; mod per chl; weak interstitial bi; mod chl altered selvages up to 3cm; weak-mod car veinlets; weak qtz veinlets; contains 2 4E minors; very trace PO 63.30-63.50m
SZ-19-274	75.09	76.97	1.88	4E	Pegmatite	White/smoky/yellow; FG-CG; no fol; 50% white aplitic felds/20% speckled msc/20% smoky qtz; weak interstitial bi/grt; barren
SZ-19-274	76.97	100.19	23.22	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching with weak k-spar patches in some; mod per chl; weak interstitial bi; mod chl altered selvages up to 3cm; weak-mod car veinlets; weak qtz veinlets; contains 2 4E minors; contains an area of str bi banding 81.98-84.06m; barren
SZ-19-274	100.19	123.43	23.24	1A	Massive Flows	Dark green; FG; mod fol; weak ser bleaching; mod per chl; mod interstitial bi; trace car veinlets; weak-mod qtz veins/veinlets; trace PO/PY near qtz veinlets - especially around 115-116m
SZ-19-274	123.43	125.32	1.89	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; mod per chl; weak interstitial bi; mod chl altered selvages up to 1cm; weak-mod car veinlets; weak qtz veinlets; barren
SZ-19-274	125.32	150.36	25.04	1Z	Gabbroic with gradational contacts	Dark green; FG-CG; mod fol; weak ser bleaching; mod per chl; alternates between areas of 1A and 6B; mod interstitial bi; trace car veinlets; weak-mod qtz veinlets/veins; trace talc in fractures; weak felsic bleaching in groundmass closer to lower contact; barren
SZ-19-274	150.36	190.36	40.00	6B	Gabbro	Light/dark green; FG-CG; weak-str fol; mod lcl shearing - mostly unshered; mod-str felsic replacement in groundmass (ser flooding?); mod interstitial bi; mod per chl; weak-mod car veinlets; weak-mod qtz veins/veinlets; contains a minor 4E; trace PO around 153m
SZ-19-274	190.36	208.48	18.12	1Z	Gabbroic with gradational contacts	Dark green; FG-CG; mod fol; weak ser bleaching; mod per chl; alternates between areas of 1A and 6B; mod interstitial bi; trace car/Qtz veinlets; contains a minor 4E; barren
SZ-19-274	208.48	210.09	1.61	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% felds phenos; mod sil; mod interstitial bi; weak ser bleached banding; weak alb banding; barren
SZ-19-274	210.09	230.08	19.99	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching with trace k-spar patches; mod per chl; weak interstitial bi; trace chl altered selvages up to 1cm; weak-mod car veinlets; weak qtz veinlets/veins; 0.5% PO between 216-219m
SZ-19-274	230.08	261.02	30.94	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; weak-mod fol; weak lcl shearing - mostly slightly sheared; mod-str felsic replacement in groundmass (ser flooding?); mod interstitial bi; mod per chl; trace car veinlets; weak qtz veinlets; contains a minor 4B; barren
SZ-19-274	261.02	262.29	1.27	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% felds phenos; mod sil; mod interstitial bi; mod hydrothermal pressure fractures with mod ser bleached banding; weak-mod alb banding; mod chl banding/stringers; weak qtz veinlets/patches; barren
SZ-19-274	262.29	272.97	10.68	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; weak-mod fol; most of unit is more FG; weak-mod felsic replacement in groundmass (ser flooding?); mod interstitial bi; mod per chl; trace car veinlets; weak qtz veinlets; barren
SZ-19-274	272.97	286.36	13.39	1A	Massive Flows	Green; FG-MG; mod fol; weak wispy ser bleaching with trace k-spar patches; mod per chl; mod interstitial bi; weak car/Qtz veinlets; barren
SZ-19-274	286.36	287.55	1.19	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% felds phenos; mod sil; mod interstitial bi; weak mod hydrothermal pressure fractures with weak ser bleached banding; mod alb banding; weak qtz veinlets/patches; barren
SZ-19-274	287.55	345.45	57.90	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; weak car/Qtz veinlets; contains a minor 5B/4B and a smoky qtz vein; barren
SZ-19-274	345.45	351.81	6.36	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod shearing <5% felds phenos; mod sil; mod interstitial bi; weak hydrothermal pressure fractures with weak-mod ser bleached banding/flooding; mod alb banding; weak qtz veinlets/patches; contains 2 1B minors and a 4E minor; barren
SZ-19-274	351.81	355.70	3.89	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; weak car/Qtz veinlets; barren

SZ-19-274	355.70	360.45	4.75	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; 5% elongated felds phenos; mod-str sil; mod interstitial bi; weak-mod ser bleached banding; weak alb banding; weak-mod qtz veinlets/patches; contains several small 1A/1ALT sections; 0.5% PO found throughout but more highly concentrated in 1ALT sections
SZ-19-274	360.45	360.75	0.30	1ALT	Altered Mafic Volcanic	Green/white; mod-str fol; FG; str banded ser/chl; weak banded car; mod banded qtz; 2% PO/1% PY/1% CPY/trace SPH
SZ-19-274	360.75	367.51	6.76	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; weak car/qtz veinlets; 0.5% PO/CPY 365.75-366m
SZ-19-274	367.51	371.69	4.18	4B	Feldspar Porphyry	Unit is about 50% 4B and 50% 1A with constant banding between the two and the contacts between being diffuse in areas. Unit has mod patchy qtz with 0.5% PO and mod interstitial bi. 4B is weak sil; weak-mod hydrothermal pressure-fractures. 1A has mod ser bleaching and mod bi banding
SZ-19-274	371.69	373.15	1.46	1A	Massive Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; weak car/qtz veinlets; weak talc stringers; barren
SZ-19-274	373.15	375.09	1.94	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% felds phenos; mod sil; mod interstitial bi; trace hydrothermal pressure fractures; mod alb banding; weak qtz veinlets/patches; barren
SZ-19-274	375.09	386.75	11.66	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; weak car/qtz veinlets; stronger banding close to UC and from 382.23-382.61 which contains a qtz vein with 1% PO
SZ-19-274	386.75	389.32	2.57	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% felds phenos; mod sil; mod interstitial bi; trace hydrothermal pressure fractures; mod-str alb banding; weak chl bands; weak qtz veinlets/patches; barren
SZ-19-274	389.32	408.66	19.34	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; weak car/qtz veinlets; trace PO
SZ-19-274	408.66	412.16	3.50	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% felds phenos; mod sil; mod interstitial bi; weak-mod alb banding; mod chl bands; weak qtz veinlets/patches; contains a minor 4B; trace PO close to LC
SZ-19-274	412.16	419.65	7.49	1A	Massive Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; weak car/qtz veinlets; weak amygdules; barren
SZ-19-274	419.65	421.55	1.90	4B	Feldspar Porphyry	Dark purple; FG-MG; mod fol; mod-str interstitial bi; 3% phenos; weak alb banding; weak sil; contains a minor 1B; barren
SZ-19-274	421.55	426.57	5.02	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 1cm; weak car/qtz veinlets; barren
SZ-19-274	426.57	428.11	1.54	5B	Granodiorite	White/grey; FG-MG; no fol; mod interstitial bi/amph; weak-mod qtz veinlets/patches; mod sil; weak msc; contains minor 1A; barren
SZ-19-274	428.11	435.89	7.78	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 1cm; weak car/qtz veinlets; barren
SZ-19-274	435.89	449.23	13.34	1A	Massive Flows	Green; FG-MG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; weak car/qtz veinlets; 441-445m contains mod large talc fractures; barren
SZ-19-274	449.23	450.59	1.36	5B	Granodiorite	White/grey; FG-MG; no fol; mod interstitial bi/amph; weak-mod qtz veinlets/patches; mod sil; weak msc; contains minor 1A and small 4B unit; barren
SZ-19-274	450.59	475.77	25.18	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; weak car/qtz veinlets; weak chl altered selvages up to 1cm; barren
SZ-19-274	475.77	478.73	2.96	4B	Feldspar Porphyry	Purple/White; FG-MG; mod fol; mod interstitial bi; 15% phenos; weak-mod alb banding; mod sil; mod qtz veins/veinlets; contains a minor 1B; barren
SZ-19-274	478.73	507.00	28.27	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser bleaching; mod per chl; mod interstitial bi; mod chl altered selvages up to 1cm; weak car/qtz veinlets; contains 3 4B minors/ a 5B minor/a qtz vein; 2% PO in first 10cm

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-274		Actlabs	A19-08255	Assay	354.70	355.70	1.00	166905		12		
SZ-19-274		Actlabs	A19-08255	Assay	355.70	356.70	1.00	166906		36		
SZ-19-274		Actlabs	A19-08255	Assay	356.70	357.70	1.00	166907		34		
SZ-19-274		Actlabs	A19-08255	Assay	357.70	358.70	1.00	166908		61		
SZ-19-274		Actlabs	A19-08255	Assay	358.70	359.70	1.00	166909		168		
SZ-19-274		Actlabs	A19-08255	OREAS 215				166910		3370		
SZ-19-274		Actlabs	A19-08255	Assay	359.70	360.45	0.75	166911		190		
SZ-19-274		Actlabs	A19-08255	Assay	360.45	360.75	0.30	166912		> 10000	49.2	42
SZ-19-274		Actlabs	A19-08255	Assay	360.75	361.75	1.00	166913		47		
SZ-19-274		Actlabs	A19-08255	Assay	365.75	366.75	1.00	166914		8		
SZ-19-274		Actlabs	A19-08255	Assay	366.75	367.50	0.75	166915		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	367.50	368.30	0.80	166916		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	368.30	369.10	0.80	166917		40		
SZ-19-274		Actlabs	A19-08255	Assay	369.10	369.90	0.80	166918		76		
SZ-19-274		Actlabs	A19-08255	Assay	369.90	370.80	0.90	166919		10		
SZ-19-274		Actlabs	A19-08255	Blank				166920		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	370.80	371.69	0.89	166921		12		
SZ-19-274		Actlabs	A19-08255	Assay	371.69	372.69	1.00	166922		12		
SZ-19-274		Actlabs	A19-08255	Assay	381.23	382.23	1.00	166923		5		
SZ-19-274		Actlabs	A19-08255	Assay	382.23	382.61	0.38	166924		2150		
SZ-19-274		Actlabs	A19-08255	Assay	382.61	383.61	1.00	166925		12		
SZ-19-274		Actlabs	A19-08255	Assay	407.66	408.65	0.99	166926		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	408.65	409.08	0.43	166927		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	409.08	409.45	0.37	166928		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	409.45	410.20	0.75	166929		< 5		
SZ-19-274		Actlabs	A19-08255	OREAS 210				166930		5180		
SZ-19-274		Actlabs	A19-08255	Assay	410.20	411.18	0.98	166931		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	411.18	412.16	0.98	166932		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	412.16	413.16	1.00	166933		5		
SZ-19-274		Actlabs	A19-08255	Assay	474.77	475.77	1.00	166934		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	475.77	476.07	0.30	166935		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	476.07	476.95	0.88	166936		8		
SZ-19-274		Actlabs	A19-08255	Assay	476.95	477.85	0.90	166937		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	477.85	478.73	0.88	166938		< 5		
SZ-19-274		Actlabs	A19-08255	Assay	478.73	479.73	1.00	166939		< 5		
SZ-19-274		Actlabs	A19-08255	Blank				166940		< 5		



Hole Number:

SZ-19-275

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					05/06/2019	10/06/2019	
<u>Planned Coordinates</u>		Azimuth:	40	Drill Contractor:	Foraco Canada Ltd		
Easting	646248						
Northing	5406641	Dip:	-78	Dates Logged:	Start Date:	End Date:	
Elevation(m)	436.52				06/06/2019	11/06/2019	
<u>Final Pick up</u>		Depth(m):	552.00	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Near mine exploration south of sugar zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	45.0	-77.7		Planned	
Results	Three weak zone intersected: Upper 431.83 - 435.97 Lower: 474.62 - 478.83 Footwall: 501.37 - 503.50. No visible VG	24.0	45.0	-77.7	5665	6m stan 18	52.6
		54.0	45.6	-77.4	5674	78m chang	53.2
		84.0	46.9	-77.4	5635	6m stan 18	54.5
		114.0	48.7	-73.6	5677	90m 6m st	56.3
		144.0	49.6	-72.9	5656	114m 6m	57.2
		174.0	49.6	-72.0	5649		57.2
		204.0	49.0	-71.6	5642		56.6
		237.0	50.7	-71.4	5654	213m 6m s	58.3
Comments		264.0	55.2	-69.8	5647		62.8
		294.0	54.3	-68.5	5648		61.9
		324.0	56.2	-66.6	5646		63.8
		357.0	54.5	-62.1	5639	6m hex; 18	62.1
		390.0	56.4	-65.1	5672	390m char	64
		420.0	56.1	-63.4	5634	6m hex; 18	63.7
		450.0	57.8	-63.1	5643	6m hex; 18	65.4
		480.0	57.4	-61.5	5641	475m char	65
Azimuth corrected to 7.6 degrees west declination		510.0	59.5	-61.1	5591	6m hex; 18	67.1
		543.0	58.7	-59.4	5634	6m hex; 18	66.3

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-275	0.00	3.00	3.00	CAS	Casing	
SZ-19-275	3.00	5.40	2.40	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	5.40	7.89	2.49	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	7.89	40.52	32.63	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration. slightly blocky core
SZ-19-275	40.52	42.58	2.06	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	42.58	71.17	28.59	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration. multiple
SZ-19-275	71.17	73.47	2.30	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	73.47	115.02	41.55	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	115.02	123.51	8.49	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority compasion is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-275	123.51	134.84	11.33	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughtout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	134.84	147.79	12.95	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Qtz cabr stringers are approx 2 % of unit
SZ-19-275	147.79	150.91	3.12	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughtout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	150.91	187.46	36.55	6B	Gabbro	Fine to coarse grained grained; green grey; gabbo. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Grains size is variable near contacts
SZ-19-275	187.46	190.00	2.54	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Qtz cabr stringers are approx 2 % of unit
SZ-19-275	190.00	215.69	25.69	6B	Gabbro	Fine to coarse grained grained; green grey; gabbo. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Grains size is variable near contacts
SZ-19-275	215.69	217.60	1.91	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Qtz cabr stringers are approx 2 % of unit
SZ-19-275	217.60	222.60	5.00	6B	Gabbro	Fine to coarse grained grained; green grey; gabbo. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Grains size is variable near contacts
SZ-19-275	222.60	224.57	1.97	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy cholrite. Qtz cabr stringers are approx 2 % of unit

SZ-19-275	224.57	232.26	7.69	6B	Gabbro	Fine to coarse grained; green grey; gabbo. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Grains size is variable near contacts
SZ-19-275	232.26	239.26	7.00	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	239.26	241.20	1.94	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	241.20	252.65	11.45	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	252.65	265.36	12.71	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	265.36	303.25	37.89	6B	Gabbro	Fine to coarse grained; green grey; gabbo. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Grains size is variable near contacts
SZ-19-275	303.25	312.66	9.41	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	312.66	317.85	5.19	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	317.85	319.60	1.75	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	319.60	325.45	5.85	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	325.45	390.45	65.00	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration. blocky core 348-348.5m
SZ-19-275	390.45	391.46	1.01	4E	Pegmatite	coarse grained white pegmatite; no foliation; large coarse grained muscovite
SZ-19-275	391.46	394.77	3.31	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	394.77	399.88	5.11	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional felds spars and qtz carb stringers; minot interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	399.88	407.50	7.62	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	407.50	409.95	2.45	5B	Granodiorite	Possible felsite; fine grained white
SZ-19-275	409.95	411.39	1.44	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	411.39	419.84	8.45	4ALT	Altered Feldspar Porphyry	Fine to medium grained; purple grey WEAK altered feldspar porphyry; moderate foliation. Felsic groundmass with 5% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding. Unit is pervasively silicified; trace belby PY/PO
SZ-19-275	419.84	424.63	4.79	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.



SZ-19-275	424.63	429.29	4.66	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	429.29	431.83	2.54	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional feldspar and quartz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	431.83	432.18	0.35	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; trace PY
SZ-19-275	432.18	435.97	3.79	4ALT	Altered Feldspar Porphyry	Fine to medium grained; purple grey WEAK altered feldspar porphyry; moderate foliation. Felsic groundmass with 5% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding. Unit has quartz vein and flooding at upper contact for 10 cm below PY/PO
SZ-19-275	435.97	451.32	15.35	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. moderate interstitial biotite; minor quartz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	451.32	453.06	1.74	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	453.06	474.62	21.56	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. moderate interstitial biotite; minor quartz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	474.62	475.33	0.71	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; quartz veining and flooding. Small quartz nodules are visible possible boudinaging?. 1% PO/PY
SZ-19-275	475.33	476.02	0.69	4ALT	Altered Feldspar Porphyry	Fine to medium grained; purple grey WEAK altered feldspar porphyry; moderate foliation. Felsic groundmass with 5% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding. Unit is pervasively silicified; trace below PY/PO
SZ-19-275	476.02	476.47	0.45	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; trace PY
SZ-19-275	476.47	478.15	1.68	4ALT	Altered Feldspar Porphyry	Fine to medium grained; purple grey WEAK altered feldspar porphyry; moderate foliation. Felsic groundmass with 5% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding. Unit is pervasively silicified; trace below PY/PO
SZ-19-275	478.15	478.83	0.68	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; trace PY
SZ-19-275	478.83	479.46	0.63	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding
SZ-19-275	479.46	480.64	1.18	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. moderate interstitial biotite; minor quartz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	480.64	487.93	7.29	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional feldspar and quartz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit
SZ-19-275	487.93	501.37	13.44	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. moderate interstitial biotite; minor quartz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-275	501.37	502.17	0.80	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; trace PY
SZ-19-275	502.17	502.96	0.79	QV	Quartz Vein	Smokey quartz vein with sulfides at contacts (5 % PO) semi mass PO is veins is visible
SZ-19-275	502.96	503.50	0.54	1ALT	Altered Mafic Volcanic	fine grained grey green; moderate foliation; bands of sericite; biotite; chlorite; trace PY
SZ-19-275	503.50	552.00	48.50	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. moderate foliation. Majority composition is mafic minerals with occasional feldspar and quartz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx 2 % of unit

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-275		Actlabs	A19-08256	Assay	412.28	413.28	1.00	166865		14		
SZ-19-275		Actlabs	A19-08256	Assay	413.28	414.28	1.00	166866		65		
SZ-19-275		Actlabs	A19-08256	Assay	414.28	415.00	0.72	166867		3860	3.44	
SZ-19-275		Actlabs	A19-08256	Assay	415.00	416.00	1.00	166868		31		
SZ-19-275		Actlabs	A19-08256	Assay	416.00	417.00	1.00	166869		20		
SZ-19-275		Actlabs	A19-08256	OREAS 216				166870		6650		
SZ-19-275		Actlabs	A19-08256	Assay	417.00	417.84	0.84	166871		10		
SZ-19-275		Actlabs	A19-08256	Assay	417.84	418.84	1.00	166872		8		
SZ-19-275		Actlabs	A19-08256	Assay	418.84	419.84	1.00	166873		7		
SZ-19-275		Actlabs	A19-08256	Assay	429.78	430.78	1.00	166874		15		
SZ-19-275		Actlabs	A19-08256	Assay	430.78	431.78	1.00	166875		7		
SZ-19-275		Actlabs	A19-08256	Assay	431.78	432.18	0.40	166876		20		
SZ-19-275		Actlabs	A19-08256	Assay	432.18	433.00	0.82	166877		143		
SZ-19-275		Actlabs	A19-08256	Assay	433.00	434.00	1.00	166878		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	434.00	434.77	0.77	166879		5		
SZ-19-275		Actlabs	A19-08256	Blank				166880		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	434.77	435.97	1.20	166881		102		
SZ-19-275		Actlabs	A19-08256	Assay	435.97	436.97	1.00	166882		17		
SZ-19-275		Actlabs	A19-08256	Assay	472.62	473.62	1.00	166883		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	473.62	474.62	1.00	166884		5		
SZ-19-275		Actlabs	A19-08256	Assay	474.62	475.33	0.71	166885		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	475.33	476.02	0.69	166886		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	476.02	476.47	0.45	166887		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	476.47	477.47	1.00	166888		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	477.47	478.47	1.00	166889		< 5		
SZ-19-275		Actlabs	A19-08256	OREAS 216				166890		6710		
SZ-19-275		Actlabs	A19-08256	Assay	478.47	478.83	0.36	166891		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	478.83	479.46	0.63	166892		6		
SZ-19-275		Actlabs	A19-08256	Assay	479.46	480.00	0.54	166893		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	480.00	480.64	0.64	166894		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	480.64	481.64	1.00	166895		5		
SZ-19-275		Actlabs	A19-08256	Assay	481.64	482.64	1.00	166896		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	499.37	500.37	1.00	166897		12		
SZ-19-275		Actlabs	A19-08256	Assay	500.37	501.37	1.00	166898		39		
SZ-19-275		Actlabs	A19-08256	Assay	501.37	502.17	0.80	166899		22		
SZ-19-275		Actlabs	A19-08256	Blank				166900		< 5		
SZ-19-275		Actlabs	A19-08256	Assay	502.17	502.90	0.73	166901		1480		
SZ-19-275		Actlabs	A19-08256	Assay	502.90	503.50	0.60	166902		802		
SZ-19-275		Actlabs	A19-08256	Assay	503.50	504.50	1.00	166903		29		
SZ-19-275		Actlabs	A19-08256	Assay	504.50	505.50	1.00	166904		60		



Hole Number: SZ-19-276  
 Drill Rig: Drill 20  
 Claim Number:

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					June 16 2019	June 24 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	40	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646248	<b>Dip:</b>	-82	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5406641			June 18 2019	June 25 2019	
<b>Elevation(m)</b>	436.52					
<u>Final Pick up</u>		<b>Depth(m):</b>	651.00	<b>Logger 1:</b>	Josh Zundl	
<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>
	Expanding inferred Indicated for the Upper Zone	0.0	41.8	-82.1		Planned	
		20.0	41.8	-82.1	5674	3m Stabiliz	49.4
		51.0	48.8	-81.6	5603	3m Stabiliz	56.4
<b>Results</b>	1 FLECK VG found in a quartz vein in the Upper Zone. Upper Zone was 486.69-491.49m composed of Altered Feldspar Porphyry with 40cm of Altered Mafic Volcanics before upper contact. Alteration was found in various sections beneath this zone but none that was a clear continuation of another zone.	81.0	44.6	-81.4	5661	6m Stabiliz	52.2
		111.0	47.1	-81.2	5655	6m Stabiliz	54.7
		141.0	46.6	-80.1	5583	130m 6m S	54.2
		171.0	48.2	-79.0	5578	6m Standa	55.8
		201.0	48.5	-78.4	5585	6m Standa	56.1
		231.0	50.0	-78.1	5584	6m Standa	57.6
<b>Comments</b>		261.0	49.8	-77.1	5583	6m Standa	57.4
		291.0	50.5	-76.5	5603	312m char	58.1
		324.0	52.7	-75.3	5605	6m Standa	60.3
		354.0	52.2	-74.3	5591	6m Standa	59.8
		384.0	52.0	-73.7	5583	6m Standa	59.6
		414.0	53.4	-72.8	5586	6m Standa	61
		447.0	56.8	-72.4	5595	6m Standa	64.4
		480.0	55.8	-71.6	5564	453m char	63.4
		510.0	56.5	-70.8	5587	6m Standa	64.1
		540.0	57.4	-70.0	5586	6m Standa	65
		570.0	57.5	-69.2	5602	564m char	65.1
600.0	59.5	-68.8	5583	6m Standa	67.1		
630.0	59.8	-67.6	5595	6m Standa	67.4		
651.0	60.8	-66.8	5587	6m Standa	68.4		

Azimuth corrected to 7.6 degrees west declination

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-276	0.00	3.78	3.78	OVB	Overburden	
SZ-19-276	3.78	6.07	2.29	1A	Massive Flows	Green; FG; mod fol; weak ser bleaching; mod per chl; mod interstitial bi; barren
SZ-19-276	6.07	9.04	2.97	4ALT	Altered Feldspar Porphyry	Light Purple; FG-MG; mod fol; 5% phenos in last 30cm; weak-mod hydrothermal pressure fractures with weak ser/act flooding around them; weak alb banding; weak chl banding; mod interstitial bi; weak sil; barren
SZ-19-276	9.04	43.20	34.16	1B	Pillowed Flows	Green; FG; mod fol; mod-str wispy ser/act bleaching; mod chl altered selvages up to 4cm; mod per chl; mod banded/interstitial bi; weak-mod car veinlets; weak qtz veinlets/veins; contains a minor 4B; barren
SZ-19-276	43.20	44.53	1.33	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 15% phenos; weak alb banding; mod sil; mod interstitial bi; weak qtz veinlets; barren
SZ-19-276	44.53	73.67	29.14	1B	Pillowed Flows	Green; FG; mod fol; mod-str wispy ser/act bleaching; mod chl altered selvages up to 4cm; mod per chl; mod interstitial bi; weak car veinlets; weak qtz veinlets/veins; contains a minor 4B; trace PO in first meter
SZ-19-276	73.67	74.81	1.14	4E	Pegmatite	Smoky/White/yellow; CG; no fol; mod msc; mostly smoky qtz with white felds; barren
SZ-19-276	74.81	81.25	6.44	1B	Pillowed Flows	Green; FG; mod fol; mod-str wispy ser/act bleaching; mod chl altered selvages up to 4cm; mod per chl; mod interstitial bi; weak-mod car veinlets; weak qtz veinlets; barren
SZ-19-276	81.25	83.33	2.08	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; weak shearing; weak hydrothermal pressure fractures; weak alb banding; mod interstitial bi; mod sil; weak qtz veinlets; barren
SZ-19-276	83.33	104.83	21.50	1B	Pillowed Flows	Green; FG; mod fol; mod-str wispy ser/act bleaching; mod chl altered selvages up to 4cm; mod per chl; mod interstitial bi; weak-mod car veinlets; weak qtz veinlets; barren
SZ-19-276	104.83	105.92	1.09	5B	Granodiorite	Grey/black; FG-MG; no fol; mod interstitial bi/amph; mod qtz veinlets; trace grt; very trace PO
SZ-19-276	105.92	108.89	2.97	1B	Pillowed Flows	Green; FG; mod fol; mod-str wispy ser/act bleaching; mod chl altered selvages up to 4cm; mod per chl; mod banded/interstitial bi; weak car veinlets; contains a qtz vein; barren
SZ-19-276	108.89	110.75	1.86	5B	Granodiorite	Grey/black; FG-MG; no fol; mod interstitial bi/amph; mod qtz veinlets; weak grt; trace PO
SZ-19-276	110.75	160.07	49.32	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 3cm; mod per chl; mod interstitial bi; weak car/qtz veinlets/veins; has small lcl sections of coarser grains; contains a minor QV and 5B; barren
SZ-19-276	160.07	181.40	21.33	1A	Massive Flows	Green; FG-MG; mod fol; 40% felsic groundmass - banded in shearing zones; mod per chl; mod interstitial bi; trace car/qtz veinlets; barren
SZ-19-276	181.40	244.58	63.18	6B	Gabbro	Green; FG-CG; mod fol; weak lcl shearing - unit 50/50 sheared/unsheared; 40% felsic groundmass - banded in shearing zones; weak-mod car/qtz veinlets/veins; weak ser bleaching; mod per chl; mod interstitial bi; barren
SZ-19-276	244.58	275.19	30.61	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; weak-mod lcl shearing - unit is mostly sheared; 40% felsic groundmass - banded in shearing zones; weak-mod car/qtz veinlets; weak ser bleaching; mod per chl; mod interstitial bi; lcl mod talc/chl/car stringers creating fractures; trace PY 258.50m
SZ-19-276	275.19	277.15	1.96	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 15% phenos; weak-mod alb banding; weak ser flooding; mod interstitial bi; weak long/thin fractures of chl/bi filled with qtz; mod sil; trace PY
SZ-19-276	277.15	316.18	39.03	1A	Massive Flows	Green; FG-MG; mod fol; 20% felsic groundmass sometimes lightly banded; mod per chl; mod interstitial bi; trace car/qtz veinlets; trace dyklets 5B; trace PO around 288m
SZ-19-276	316.18	342.04	25.86	1Z	Gabbroic with gradational contacts	Green; FG-CG; mod fol; weak-mod lcl shearing - unit is mostly sheared; 40% felsic groundmass - banded in shearing zones; weak-mod car/qtz veinlets; weak ser bleaching; mod per chl; mod interstitial bi; lcl weak talc/chl/car stringers creating fractures; trace PO 327m
SZ-19-276	342.04	351.99	9.95	6B	Gabbro	Green; FG-CG; mod fol; weak lcl shearing - unit is mostly unsheared; 40% felsic groundmass - banded in shearing zones; weak-mod car/qtz veinlets/veins; weak ser bleaching; mod per chl; mod interstitial bi; barren
SZ-19-276	351.99	354.08	2.09	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod sil; weak shearing; weak-mod alb banding; mod interstitial bi; weak-mod chl/ser banding/boudinaged/stringers; weak hydrothermal pressure fractures; trace PO around 352.80-353.00m
SZ-19-276	354.08	367.72	13.64	1A	Massive Flows	Green; FG-MG; mod fol; 20% felsic groundmass; mod per chl; mod interstitial bi; trace car/qtz veinlets; mod alb patches/dyklets; weak-mod amygdules; barren
SZ-19-276	367.72	370.99	3.27	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod sil; weak shearing; mod-str alb banding; weak ser flooding near UC; mod interstitial bi; trace chl stringers; 0.5% PO
SZ-19-276	370.99	403.44	32.45	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; contains 2 minors 4B/4ALT; barren
SZ-19-276	403.44	404.90	1.46	4E	Pegmatite	White/grey/yellow/pink; MG-CG; weak-mod stringer grt; mostly aplitic white felds; mod smoky qtz patches; mod interstitial bi; mod speckled msc; barren
SZ-19-276	404.90	415.18	10.28	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; barren
SZ-19-276	415.18	416.48	1.30	7C	Lamprophyre	Black/white; FG-MG; no fol; mod speckled/large stringer car; mod mag; mod haloes of bi/talc/gouge (LC is around 10cm); barren


SZ-19-276	416.48	423.98	7.50	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; contains a minor 4ALT; barren
SZ-19-276	423.98	425.10	1.12	7C	Lamprophyre	Black/white; FG-MG; no fol; mod speckled/large stringer car; mod mag; mod haloes of bi/talc; barren
SZ-19-276	425.10	450.40	25.30	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; contains weak talc stringers close to LC; barren
SZ-19-276	450.40	451.58	1.18	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak-mod alb banding with large alb section for last 30cm; mod hydrothermal pressure fractures with weak ser flooding around them; mod chl stringers; weak talc stringers; mod sil; barren
SZ-19-276	451.58	457.95	6.37	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; weak stringer talc closer to LC; contains a minor 4ALT; barren
SZ-19-276	457.95	458.96	1.01	4ALT	Altered Feldspar Porphyry	Purple/green; FG-MG; mod fol; str hydrothermal pressure fractures with str ser flooding around them; weak chl stringers/small units; weak qtz veinlets; mod sil; barren
SZ-19-276	458.96	463.10	4.14	1A	Massive Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; weak wispy ser bleaching; trace car stringers; barren
SZ-19-276	463.10	464.50	1.40	4E	Pegmatite	White/grey; CG; no fol; weak-mod chl stringers; unit is mostly aplitic qtz patches with bi and other small interstitial minerals changing into coloured patches; barren
SZ-19-276	464.50	469.84	5.34	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; contains weak talc stringers; barren
SZ-19-276	469.84	471.86	2.02	4ALT	Altered Feldspar Porphyry	Unit is a regular 4B unit until 470.76m. Purple/white/green; FG; mod fol; mod-str banded alb; mod hydrothermal pressure fractures with mod ser flooding; mod interstitial bi; weak qtz veinlets; barren
SZ-19-276	471.86	473.60	1.74	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser/act bleaching; weak chl altered selvages up to 2cm; mod per chl; mod interstitial bi; weak-mod car/qtz veinlets; barren
SZ-19-276	473.60	475.23	1.63	4ALT	Altered Feldspar Porphyry	Purple/green; FG-MG; mod fol; str hydrothermal pressure fractures with str ser flooding around them; weak chl stringers; weak qtz veinlets; mod sil; mod interstitial bi; weak alb banding; barren
SZ-19-276	475.23	479.36	4.13	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser/act bleaching; weak chl altered selvages up to 1cm; mod per chl; mod interstitial bi; weak car/qtz veinlets; barren
SZ-19-276	479.36	480.46	1.10	4ALT	Altered Feldspar Porphyry	Purple/green; FG-MG; mod fol; str hydrothermal pressure fractures with str ser flooding around them; weak chl stringers; weak qtz veinlets; mod sil; mod interstitial bi; weak alb banding; barren
SZ-19-276	480.46	482.48	2.02	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser/act bleaching; weak chl altered selvages up to 1cm; mod per chl; mod interstitial bi; weak car/qtz veinlets; contains small 4ALT unit; last 15cm becomes closer to 1ALT with str banding and a qtz veinlet with 1% PO
SZ-19-276	482.48	484.73	2.25	4ALT	Altered Feldspar Porphyry	Purple/green; FG-MG; mod fol; weak hydrothermal pressure fractures with weak ser flooding around them; weak ser banding; weak chl stringers; weak qtz veinlets; mod sil; mod interstitial bi; weak alb banding; trace PO
SZ-19-276	484.73	486.69	1.96	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser/act bleaching; weak chl altered selvages up to 1cm; mod per chl; mod interstitial bi; weak car/qtz veinlets; barren
SZ-19-276	486.69	487.09	0.40	1ALT	Altered Mafic Volcanic	Green; FG; mod-str fol; mod banded ser/bi/chl/qtz; 1% PO
SZ-19-276	487.09	491.49	4.40	4ALT	Altered Feldspar Porphyry	<b>1 FLECK VG</b> ; Purple/green; FG-MG; mod fol; <5% phenos; weak hydrothermal pressure fractures with weak ser flooding around them; weak chl stringers; mod qtz veinlets; mod-str sil; mod interstitial bi; weak alb banding; 1% PO/PY throughout unit with up to 2% in qtz veinlets and 1 fleck VG in qtz vein at 489.02m
SZ-19-276	491.49	494.05	2.56	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser/act bleaching; weak chl altered selvages up to 1cm; mod per chl; mod interstitial bi; weak car/qtz veinlets; barren
SZ-19-276	494.05	497.84	3.79	1UT	Ultramafic Talc/Chlorite Altered	Green; FG; no fol; str per chl/talc/bi; weak gouge 495.90-496.20m/497.40-497.60m; strongly fractures; barren
SZ-19-276	497.84	502.20	4.36	1B	Pillowed Flows	Green; FG; mod fol; weak-mod wispy ser/act bleaching; weak chl altered selvages up to 1cm; mod per chl; mod banded/interstitial bi; weak-mod car/qtz veinlets; contains minor 4ALT; barren
SZ-19-276	502.20	506.84	4.64	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak hydrothermal pressure fractures with weak ser flooding; 10% phenos; mod sil; mod interstitial bi; mod alb banding; weak qtz veinlets; contains a minor 1B and QV; trace PO
SZ-19-276	506.84	507.55	0.71	1ALT	Altered Mafic Volcanic	Light/dark green/white; FG-MG; weak-mod fol; str wispy banding chl/ser/bi; mod qtz/car veinlet stringers; 3% PO/1% PY
SZ-19-276	507.55	511.57	4.02	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak hydrothermal pressure fractures with weak ser flooding; 10% phenos; mod sil; mod interstitial bi; mod alb banding; weak qtz veinlets; contains a few very small 1ALT sections; 0.5% PO
SZ-19-276	511.57	516.28	4.71	1B	Pillowed Flows	Green; FG; mod fol; weak wispy ser bleaching; weak qtz veinlets; mod per chl; mod interstitial/very slightly banded bi; contains a minor 4B; barren
SZ-19-276	516.28	516.69	0.41	1ALT	Altered Mafic Volcanic	Green/brown; FG; mod fol; mod per chl; mod banded bi; mod qtz veinlets; weak car stringers; barren

SZ-19-276	516.69	519.21	2.52	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% phenos; mod interstitial bi; mod sil; mod-str alb banding; weak qtz veinlets; trace hydrothermal pressure fractures; weak ser flooding around alb bands/fractures; weak chl stringers; barren
SZ-19-276	519.21	523.00	3.79	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 2cm; barren
SZ-19-276	523.00	524.00	1.00	1ALT	Altered Mafic Volcanic	Light/dark green/white; FG-MG; mod fol; str slightly wispy banding chl/ser/bi/qtz; mod car veinlet stringers/speckled throughout; 0.5% PO/PY
SZ-19-276	524.00	527.01	3.01	1B	Pillowed Flows	Green; FG; mod fol; weak wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 1cm; barren
SZ-19-276	527.01	529.35	2.34	1UT	Ultramafic Talc/Chlorite Altered	Green; FG; no fol; str per chl/talc/bi; strongly fractures; contains minor qtz vein with slight gouge around it; barren
SZ-19-276	529.35	539.47	10.12	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 2cm; barren
SZ-19-276	539.47	542.43	2.96	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; 10% phenos; mod interstitial bi; mod sil; trace alb banding; trace hydrothermal pressure fractures; weak-mod qtz veinlets; barren
SZ-19-276	542.43	544.53	2.10	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 1cm; trace PO
SZ-19-276	544.53	546.13	1.60	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% phenos; mod interstitial bi; mod sil; mod alb banding/patches; weak hydrothermal pressure fractures; weak qtz veinlets; barren
SZ-19-276	546.13	567.00	20.87	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 1cm; contains several minors; barren
SZ-19-276	567.00	568.31	1.31	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; 15% phenos; mod interstitial bi; mod sil; weak alb banding; trace hydrothermal pressure fractures; weak qtz veinlets; barren
SZ-19-276	568.31	569.29	0.98	5B	Granodiorite	White/black; MG; no fol; mod interstitial bi/amph; weak felds eyes; weak qtz veinlets; barren
SZ-19-276	569.29	577.14	7.85	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 1cm; barren
SZ-19-276	577.14	578.53	1.39	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% phenos; mod interstitial bi; mod sil; mod alb banding/patches; mod chl stringers; mod smoky qtz veinlets; contains some small 1B units; 1% PY/PO
SZ-19-276	578.53	593.57	15.04	1Z	Gabbroic with gradational contacts	Green/brown; FG-MG; mod fol; gradually increases in grain size as the unit gets lower; mod per chl; mod banded/interstitial bi; weak amygdules; weak qtz veinlets; contains a minor 4ALT; barren
SZ-19-276	593.57	600.15	6.58	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial bi; weak chl altered selvages up to 1cm; barren
SZ-19-276	600.15	645.12	44.97	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak car veinlets; mod qtz veinlets; trace stringer/patchy alb; mod amygdules after 622m; contains a minor each of 4B/5B/4E; 3% PO/1% CPY from 622.10-622.21m
SZ-19-276	645.12	650.45	5.33	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; weak shearing; 5% phenos; mod interstitial bi; mod sil; weak-mod alb banding/patches; trace qtz veinlets; barren
SZ-19-276	650.45	651.00	0.55	1B	Pillowed Flows	Green; FG; mod fol; mod wispy ser bleaching; weak car/qtz veinlets; mod per chl; mod interstitial/banded bi; weak chl altered selvages up to 1cm; barren

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-276		Actlabs	A19-08721	Assay	106.13	107.13	1.00	166941		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	107.13	107.46	0.33	166942		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	107.46	108.13	0.67	166943		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	478.36	479.36	1.00	166944		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	479.36	480.00	0.64	166945		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	480.00	480.46	0.46	166946		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	480.46	481.26	0.80	166947		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	481.26	482.19	0.93	166948		10		
SZ-19-276		Actlabs	A19-08721	Assay	482.19	482.49	0.30	166949		27		
SZ-19-276		Actlabs	A19-08721	OREAS 210				166950		5170		
SZ-19-276		Actlabs	A19-08721	Assay	482.49	483.20	0.71	166951		8		
SZ-19-276		Actlabs	A19-08721	Assay	483.20	484.00	0.80	166952		5		
SZ-19-276		Actlabs	A19-08721	Assay	484.00	484.63	0.63	166953		66		
SZ-19-276		Actlabs	A19-08721	Assay	484.63	484.93	0.30	166954		29		
SZ-19-276		Actlabs	A19-08721	Assay	484.93	485.80	0.87	166955		19		
SZ-19-276		Actlabs	A19-08721	Assay	485.80	486.69	0.89	166956		12		
SZ-19-276		Actlabs	A19-08721	Assay	486.69	487.09	0.40	166957		52		
SZ-19-276		Actlabs	A19-08721	Assay	487.09	488.00	0.91	166958		729		
SZ-19-276		Actlabs	A19-08721	Assay	488.00	488.81	0.81	166959		> 10000	211	39
SZ-19-276		Actlabs	A19-08721	Blank				166960		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	488.81	489.11	0.30	166961		> 10000	286	51.3
SZ-19-276		Actlabs	A19-08721	Assay	489.11	489.90	0.79	166962		255		
SZ-19-276		Actlabs	A19-08721	Assay	489.90	490.70	0.80	166963		74		
SZ-19-276		Actlabs	A19-08721	Assay	490.70	491.49	0.79	166964		38		
SZ-19-276		Actlabs	A19-08721	Assay	491.49	492.49	1.00	166965		18		
SZ-19-276		Actlabs	A19-08721	Assay	501.20	502.20	1.00	166966		11		
SZ-19-276		Actlabs	A19-08721	Assay	502.20	502.70	0.50	166967		52		
SZ-19-276		Actlabs	A19-08721	Assay	502.70	503.25	0.55	166968		13		
SZ-19-276		Actlabs	A19-08721	Assay	503.25	503.94	0.69	166969		16		
SZ-19-276		Actlabs	A19-08721	OREAS 216				166970		6740		
SZ-19-276		Actlabs	A19-08721	Assay	503.94	504.60	0.66	166971		45		
SZ-19-276		Actlabs	A19-08721	Assay	504.60	505.30	0.70	166972		13		
SZ-19-276		Actlabs	A19-08721	Assay	505.30	505.67	0.37	166973		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	505.67	506.25	0.58	166974		44		
SZ-19-276		Actlabs	A19-08721	Assay	506.25	506.84	0.59	166975		19		
SZ-19-276		Actlabs	A19-08721	Assay	506.84	507.55	0.71	166976		101		
SZ-19-276		Actlabs	A19-08721	Assay	507.55	508.30	0.75	166977		80		
SZ-19-276		Actlabs	A19-08721	Assay	508.30	509.10	0.80	166978		206		
SZ-19-276		Actlabs	A19-08721	Assay	509.10	509.90	0.80	166979		137		
SZ-19-276		Actlabs	A19-08721	Blank				166980		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	509.90	510.70	0.80	166981		81		
SZ-19-276		Actlabs	A19-08721	Assay	510.70	511.08	0.38	166982		21		
SZ-19-276		Actlabs	A19-08721	Assay	511.08	511.52	0.44	166983		23		
SZ-19-276		Actlabs	A19-08721	Assay	511.52	512.30	0.78	166984		21		
SZ-19-276		Actlabs	A19-08721	Assay	512.30	513.10	0.80	166985		12		
SZ-19-276		Actlabs	A19-08721	Assay	513.10	513.90	0.80	166986		8		
SZ-19-276		Actlabs	A19-08721	Assay	513.90	514.64	0.74	166987		10		
SZ-19-276		Actlabs	A19-08721	Assay	514.64	515.61	0.97	166988		9		
SZ-19-276		Actlabs	A19-08721	Assay	515.61	516.28	0.67	166989		19		
SZ-19-276		Actlabs	A19-08721	OREAS 215				166990		3510		
SZ-19-276		Actlabs	A19-08721	Assay	516.28	516.69	0.41	166991		34		
SZ-19-276		Actlabs	A19-08721	Assay	516.69	517.50	0.81	166992		11		
SZ-19-276		Actlabs	A19-08721	Assay	517.50	518.35	0.85	166993		5		
SZ-19-276		Actlabs	A19-08721	Assay	518.35	519.21	0.86	166994		5		
SZ-19-276		Actlabs	A19-08721	Assay	519.21	520.20	0.99	166995		15		
SZ-19-276		Actlabs	A19-08721	Assay	520.20	521.10	0.90	166996		8		
SZ-19-276		Actlabs	A19-08721	Assay	521.10	522.00	0.90	166997		9		
SZ-19-276		Actlabs	A19-08721	Assay	522.00	523.00	1.00	166998		13		
SZ-19-276		Actlabs	A19-08721	Assay	523.00	524.00	1.00	166999		52		
SZ-19-276		Actlabs	A19-08721	Blank				167000		< 5		
SZ-19-276		Actlabs	A19-08721	Assay	524.00	525.00	1.00	167001		6		
SZ-19-276		Actlabs	A19-08721	Assay	527.32	528.32	1.00	167002		< 5		

SZ-19-276	Actlabs	A19-08721	Assay	528.32	528.80	0.48	167003		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	528.80	529.35	0.55	167004		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	529.35	530.20	0.85	167005		25	
SZ-19-276	Actlabs	A19-08721	Assay	575.00	576.00	1.00	167006		12	
SZ-19-276	Actlabs	A19-08721	Assay	576.00	576.60	0.60	167007		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	576.60	577.14	0.54	167008		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	577.14	577.98	0.84	167009		< 5	
SZ-19-276	Actlabs	A19-08721	OREAS 210				167010		5320	
SZ-19-276	Actlabs	A19-08721	Assay	577.98	578.53	0.55	167011		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	578.53	579.40	0.87	167012		9	
SZ-19-276	Actlabs	A19-08721	Assay	579.40	580.20	0.80	167013		12	
SZ-19-276	Actlabs	A19-08721	Assay	580.20	581.00	0.80	167014		11	
SZ-19-276	Actlabs	A19-08721	Assay	581.00	581.90	0.90	167015		7	
SZ-19-276	Actlabs	A19-08721	Assay	581.90	582.77	0.87	167016		14	
SZ-19-276	Actlabs	A19-08721	Assay	582.77	583.66	0.89	167017		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	583.66	584.66	1.00	167018		< 5	
SZ-19-276	Actlabs	A19-08721	Assay	584.66	585.66	1.00	167019		< 5	
SZ-19-276	Actlabs	A19-08721	Blank				167020		< 5	



		Hole Number:	SZ-19-277				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					August 21st 2019	Aug 28th 2019	
<u>Planned Coordinates</u>		Azimuth:	17	Drill Contractor:	Foraco Canada Ltd		
Easting	646278.78						
Northing	5406530.39	Dip:	-72	Dates Logged:	Start Date:	End Date:	
Elevation(m)	436.16				August 22nd 2019	Aug 29th 2019	
<u>Final Pick up</u>		Depth(m):	640.00	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 drilling of the Sugar Zone - South area.	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	17.0	-72.0		Planned	24.6
Results	No significant mineralization intersected; projected target (475m) showed an intermediate dyke (<1% disseminated sulphides) surrounded by pillowed mafic flows. Smokey Quartz vein with mafic bands and 1-2% sulphides intersected from 471.4m to 471.5m.	27.0	18.2	-72.9	5675		25.8
		57.0	18.9	-73.1	5640		26.5
		87.0	20.0	-72.6	5625		27.6
		117.0	20.4	-72.0	5619		28
		147.0	21.3	-72.2	5630	135m char	28.9
		177.0	19.9	-71.2	5625		27.5
		207.0	21.8	-71.0	5649		29.4
Comments		237.0	24.1	-70.5	5609	228m 6m s	31.7
		267.0	23.5	-69.7	5617		31.1
		297.0	24.7	-69.8	5618		32.3
		327.0	25.9	-69.1	5607		33.5
		357.0	26.5	-68.4	5613		34.1
		387.0	30.1	-68.0	5606		37.7
		417.0	30.4	-67.7	5616		38
		447.0	31.8	-66.3	5618	444m bit c	39.4
		477.0	32.7	-66.1	5615		40.3
		Azimuth corrected to 7.6 degrees west declination		507.0	33.2	-65.9	5617
		537.0	33.9	-65.8	5615	537m bit c	41.5
		567.0	33.5	-65.2	5620	6m standa	41.1
		597.0	35.7	-64.7	5566	6m standa	43.3
		627.0	35.6	-64.2	5606	6m standa	43.2
		642.0	34.5	-63.7	5613	6m standa	42.1

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-277	0.00	7.16	7.16	OVB	Overburden	
SZ-19-277	7.16	13.63	6.47	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.
SZ-19-277	13.63	16.74	3.11	4E	Pegmatite	cg grey to white felsic unit composed predominately of grey feldspar porphyry with lesser amounts of Smokey quartz and muscovite.
SZ-19-277	16.74	35.05	18.31	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.
SZ-19-277	35.05	38.12	3.07	4B	Feldspar Porphyry	fg to mg grey and 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. Light green alteration halos surrounding some healed fractures.
SZ-19-277	38.12	52.65	14.53	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.
SZ-19-277	52.65	54.70	2.05	4B	Feldspar Porphyry	fg to mg grey and 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. Light green alteration halos surrounding some healed fractures. <1% py stringers associated with a minor amounts of silicification.
SZ-19-277	54.70	114.29	59.59	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.
SZ-19-277	114.29	117.08	2.79	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of grey muscovite containing moderately to highly strained and elongated millimetric white feldspar phenocrysts. Phenocrysts are faint and difficult to see in most of the unit. Light green alteration halos surrounding some healed fractures. Minor amounts of garnets sporadically.
SZ-19-277	117.08	147.20	30.12	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. Blebby po from 120 to 120.3m.
SZ-19-277	147.20	148.45	1.25	4E	Pegmatite	cg grey to white felsic unit composed predominately of grey feldspar porphyry with lesser amounts of Smokey quartz and muscovite.
SZ-19-277	148.45	179.55	31.10	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. Pillow selvages become less frequent and grain sized coarsens slightly from 180 to 181m.
SZ-19-277	179.55	204.00	24.45	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. Unit appear gabbroic in sections
SZ-19-277	204.00	208.56	4.56	1Z	Gabbroic with gradational contacts	fg to cg dark grey to dark green unit composed primarily of mafics with a minor foliation intensity. Finer grained feldspar and mafics surround coarser grained mafic minerals. Minor amount of biotite alteration interstitially.
SZ-19-277	208.56	246.12	37.56	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. Unit appears gabbroic in sections. Minor sections of granodiorite at 233m.
SZ-19-277	246.12	263.85	17.73	1Z	Gabbroic with gradational contacts	fg to cg dark grey to dark green unit composed primarily of mafics with a minor foliation intensity. Finer grained feldspar and mafics surround coarser grained mafic minerals. Minor amount of biotite alteration interstitially. Minor sections of granodiorite from 252m to 255m.
SZ-19-277	263.85	274.62	10.77	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. Unit appears gabbroic in sections
SZ-19-277	274.62	275.87	1.25	5A	Granite	cg grey to white felsic unit composed predominately of grey feldspar porphyry with lesser amounts of Smokey quartz and muscovite.
SZ-19-277	275.87	297.42	21.55	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. Unit appear gabbroic in sections. Small bleb of cpy at 281m.

SZ-19-277	297.42	300.00	2.58	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout.
SZ-19-277	300.00	301.90	1.90	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration halos surrounding some healed fractures.
SZ-19-277	301.90	304.75	2.85	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. A series of po stringers are observed in the top 10 cm of the unit. Gradational lower contact.
SZ-19-277	304.75	355.00	50.25	1A	Massive Flows	fg to mg dark grey to dark green unit composed primarily of mafics with a minor foliation intensity. Finer grained feldspar interstitially is observed in some sections. Minor amount of biotite alteration interstitially as well. Occasional dark green pillow selvage bands throughout the unit as well as occasional granodiorite bands. Unit becomes coarser grained from 339.43 to 346m.
SZ-19-277	355.00	366.40	11.40	1Z	Gabbroic with gradational contacts	fg to cg dark grey to dark green unit composed primarily of mafics with a minor foliation intensity. Finer grained feldspar and mafics surround coarser grained mafic minerals. Minor amount of biotite alteration interstitially. Gradational upper and lower contacts.
SZ-19-277	366.40	368.40	2.00	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains lightly stained to highly strained and elongated millimetric white feldspar phenocrysts. Light green alteration halos surrounding some healed fractures. Two generations of feldspar porphyry are evident; phenocrysts are highly strained from 366.4 to 367.7 from 367.7 to 368.4 phenocrysts are lightly to moderately strained and from 368.4 to 368.4 phenocrysts show a high degree of strain and elongation again.
SZ-19-277	368.40	381.00	12.60	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. Unit appear gabbroic in sections. Quartz calcite stringers and veinlets intermittently throughout.
SZ-19-277	381.00	386.02	5.02	6B	Gabbro	fg to cg dark grey to dark green unit composed primarily of mafics with a minor foliation intensity. Finer grained feldspar and mafics surround coarser grained mafic minerals. Minor amount of biotite alteration interstitially.
SZ-19-277	386.02	387.91	1.89	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration halos surrounding some healed fractures.
SZ-19-277	387.91	430.00	42.09	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Highly broken core (mechanical) from 395 to 396m.
SZ-19-277	430.00	432.50	2.50	4E	Pegmatite	cg grey to white felsic unit composed predominately of grey feldspar porphyry with lesser amounts of Smokey quartz and muscovite. Minor amount of banded potassic alteration. Small bleb of mo. visible at 430.3m
SZ-19-277	432.50	435.63	3.13	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout.
SZ-19-277	435.63	436.88	1.25	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration halos surrounding some healed fractures. In the majority of the unit phenocrysts are faint and difficult to see.
SZ-19-277	436.88	445.10	8.22	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Large bull quartz vein from 438.65 to 439.32m; barren.
SZ-19-277	445.10	447.50	2.40	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple and light green hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. Unit appears highly hydrothermally altered due to pervasive light green alteration halos originating from healed fractures and a minor to moderate amount of silicification throughout.
SZ-19-277	447.50	448.63	1.13	6E	Intermediate Dyke	fg to mg dark grey intermediate unit with a massive texture and a slight purple hue. Unit is composed of equal parts biotite feldspar and mafic minerals. Potentially feldspar porphyry unit with difficult to see phenocrysts.

SZ-19-277	448.63	455.75	7.12	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Narrow (10cm) section of pegmatite at 455.6m.
SZ-19-277	455.75	456.82	1.07	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains highly strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit.
SZ-19-277	456.82	458.00	1.18	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout.
SZ-19-277	458.00	465.33	7.33	1UT	Ultramafic Talc/Chlorite Altered	fg to mg dark green to dark grey ultramafic unit with a massive texture. Unit is composed of mafic minerals with minor to moderate amounts of chlorite/talc alteration throughout. The unit contains moderate magnetic properties as well. Black band containing predominately biotite from 460.53 to 460.63. Approximately 1-2% blebby py throughout.
SZ-19-277	465.33	466.40	1.07	5B	Granodiorite	fg to mg light grey unit with black speckling and a massive texture. Unit is composed of predominately white feldspar with speckled black biotite and grey quartz.
SZ-19-277	466.40	471.50	5.10	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout.
SZ-19-277	471.50	474.72	3.22	6E	Intermediate Dyke	fg to mg dark grey intermediate unit with a massive texture and a slight purple hue. Unit is composed of equal parts biotite feldspar and mafic minerals. Potentially feldspar porphyry unit with difficult to see phenocrysts. <1% disseminated sulphides.
SZ-19-277	474.72	487.70	12.98	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Pink felsite intrusion from 476.9 to 477.6m; mafic rock surrounding this sections appears hydrothermally with light green alteration and a brecciated texture. Minor amounts of fault gauge from 42.2 to 482.3m. Black mafic dyke cross cuts the unit from 482.3 to 482.65 which contains minor magnetic properties.
SZ-19-277	487.70	494.00	6.30	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit. Smokey quartz vein from 490.36 to 490.5m. Narrow minor units of pillowed mafic flows intermittently.
SZ-19-277	494.00	500.70	6.70	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Mechanically broken core from 497m to 498m. Long natural fracture running parallel to core axis from 499.3 to 500.41
SZ-19-277	500.70	501.70	1.00	5A	Granite	fg to mg pink felsic unit with a massive texture. Unit is composed predominately of pink k-spar. Moderate to high frequency of fracturing throughout the unit.
SZ-19-277	501.70	510.15	8.45	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. High degree of fracturing from 502.8m to 503.4m and 507.5 to 508.5m.
SZ-19-277	510.15	511.40	1.25	5B	Granodiorite	fg to mg light grey unit with black speckling and a massive texture. Unit is composed of predominately white feldspar with speckled black biotite and grey quartz.
SZ-19-277	511.40	518.00	6.60	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit. Narrow section of granodiorite (approximately 2cm wide) runs parallel to the core axis.
SZ-19-277	518.00	526.25	8.25	1B	Pillowed 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. Intensity of pillow selvages is increased from 525 to 526m. Unit appear gabbroic in sections. Frequent sections of pink granite intersect the unit from 521.5 to 525. This section is associated with a high degree of fracturing minor amounts of fault gauge and disseminated sulphides between fractures.

SZ-19-277	526.25	528.65	2.40	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains highly strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit.
SZ-19-277	528.65	551.43	22.78	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Narrow 10 cm side section of granite intersects the unit at 542.5m.
SZ-19-277	551.43	553.53	2.10	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains highly strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit as well.
SZ-19-277	553.53	578.71	25.18	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout.
SZ-19-277	578.71	579.90	1.19	4B	Feldspar Porphyry	fg to mg grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit as well. Bull quartz vein from 578.95 to 579.13m.
SZ-19-277	579.90	642.00	62.10	1B	Pillowed Flows	fg dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers wisps sporadically throughout. Narrow sections of granodiorite intermittently from 582 to 585m. 3 cm bleb of cpy at 602.2m. EOH at 642m.

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	470.14	471.20	1.06	167362		9		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	471.20	471.50	0.30	167363		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	471.50	472.00	0.50	167364		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	472.00	472.59	0.59	167365		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	472.59	473.50	0.91	167366		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	473.50	474.00	0.50	167367		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	474.00	474.72	0.72	167368		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	474.72	475.72	1.00	167369		< 5		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	OREAS 210				167370		5570		
SZ-19-277	Sugar Zone	Actlabs	A19-12148	Assay	475.72	476.72	1.00	167371		6		



Hole Number: SZ-19-278  
 Drill Rig: Drill 20  
 Claim Number:

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					11/08/2019	20/08/2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	16	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646278.78					
<b>Northing</b>	5406530.39	<b>Dip:</b>	-79	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	436.16				12/08/2019	21/08/2019
<u>Final Pick up</u>		<b>Depth(m):</b>	772.50	<b>Logger 1:</b>	Jordan Keir-Sage	
<b>Easting</b>					<b>Logger 2:</b>	Josh Zundl
<b>Northing</b>		<b>Core Size:</b>	NQ	<b>Logger 3:</b>		
<b>Elevation(m)</b>					<b>Assay Lab:</b>	Actlabs

**Casing**

Purpose of Hole	Near mine exploration of Sugar Zone South	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Suspected Upper Zone and suspected Lower Zone found, neither with VG but alteration consistent with other nearby holes. Upper Zone consisted of altered mafic volcanics surrounded by altered feldspar porphyry with 4% pyrrhotite and 2% pyrite. Lower zone was a large quartz vein with little alteration around it and 2% pyrrhotite and 1% pyrite/chalcopyrite.	0.0	19.0	-78.8		Planned	23.6
		24.0	19.0	-78.8	5627	6m hex, 18	26.6
		54.0	20.5	-78.3	5627	6m hex, 18	28.1
		84.0	19.9	-77.4	5619	6m hex, 18	27.5
		114.0	23.2	-77.7	5624	6m hex, 18	30.8
		144.0	24.5	-77.0	5634	6m hex, 18	32.1
		174.0	27.3	-76.0	5627	6m hex, 18	34.9
		204.0	29.3	-75.1	5641	199m char	36.9
		234.0	30.6	-75.1	5647	6m hex, 18	38.2
		Comments	Jordan logged until 260.75. Josh logged the rest of the hole.	264.0	31.1	-74.1	5638
294.0	33.1			-74.1	5635	6m hex; 18	40.7
324.0	33.6			-73.8	5627	6m hex; 18	41.2
354.0	34.1			-73.7	5639	6m hex; 18	41.7
384.0	33.8			-73.3	5633	6m hex; 18	41.4
414.0	34.9			-72.6	5641	408m char	42.5
444.0	34.5			-72.3	5627	6m hex; 18	42.1
474.0	37.3			-71.4	5613	474m 6m	44.9
504.0	39.7			-69.7	5587	504m char	47.3
534.0	42.3			-68.6	5617	6m Standa	49.9
Azimuth corrected to 7.6 degrees west declination		564.0	41.5	-67.7	5603	6m Standa	49.1
		594.0	42.1	-67.1	5631	6m Standa	49.7
		624.0	43.8	-66.5	5615	6m Standa	51.4
		654.0	44.1	-65.7	5615	6m Standa	51.7
		684.0	43.2	-64.6	5606	639m char	50.8
		714.0	45.4	-64.2	5606	6m Standa	53
		744.0	45.9	-63.0	5606	6m Standa	53.5
		772.0	47.5	-62.7	5611	6m Standa	55.1

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-278	0.00	9.00	9.00	CAS	Casing	
SZ-19-278	9.00	14.25	5.25	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	14.25	15.98	1.73	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-278	15.98	38.00	22.02	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	38.00	43.97	5.97	4B	Feldspar Porphyry	Purple; Fine to Coarse Grained; moderately foliated; weak shearing; mod-str elongated interstitial biotite; mod silicification; 2% Coarse Grained pheons; weak albite banding; minor quartz stringers
SZ-19-278	43.97	57.46	13.49	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote, fault gouging in minor ultramafic unit 56.59-47.46
SZ-19-278	57.46	59.79	2.33	4ALT	Altered Feldspar Porphyry	Light purple; Fine Grained-Medium Grained; moderate foliation; strong silicification; weak-mod interstitial biotite; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; very trace PO
SZ-19-278	59.79	64.00	4.21	5B	Granodiorite	medium grained; white/pink; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. weak pervasive silicification
SZ-19-278	64.00	86.00	22.00	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	86.00	90.30	4.30	5B	Granodiorite	medium grained; white/pink; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. weak pervasive silicification
SZ-19-278	90.30	91.93	1.63	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	91.93	93.89	1.96	5B	Granodiorite	medium grained; white/pink; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. weak pervasive silicification
SZ-19-278	93.89	94.92	1.03	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	94.92	96.59	1.67	5B	Granodiorite	medium grained; white/pink; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. weak pervasive silicification
SZ-19-278	96.59	127.88	31.29	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	127.88	129.75	1.87	4ALT	Altered Feldspar Porphyry	Light purple; Fine Grained-Medium Grained; moderate foliation; strong silicification; weak-mod interstitial biotite; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; barren
SZ-19-278	129.75	145.05	15.30	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	145.05	146.55	1.50	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-278	146.55	155.62	9.07	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	155.62	162.00	6.38	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation parasitic folding of some qtz veinlets visible near 475; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-278	162.00	184.99	22.99	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	184.99	193.50	8.51	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation parasitic folding of some qtz veinlets visible near 475; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-278	193.50	207.04	13.54	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-278	207.04	208.50	1.46	5B	Granodiorite	medium grained; white/pink; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. weak pervasive silicification
SZ-19-278	208.50	285.69	77.19	6B	Gabbro	Green; Fine Grained-coarse Grained; moderate foliation; moderate pervasive chlorite with larger chlorite grains; moderate interstitial biotite; weak qtz/car veinlets; variable magnetism in unit, minor 5b intrusions throughout unit



SZ-19-278	285.69	318.75	33.06	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; weak-mod fol; variation throughout unit from FG-MG 1A texture with little to no foliation to a sheared texture with overprinted CG chl; mod per chl; mod interstitial bi; about 20% of unit is FG felsics; mod lcl speckled felsics; weak talc stringers between 302-309m creating fractures; trace car stringers; contains a qtz vein; barren
SZ-19-278	318.75	322.19	3.44	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; barren
SZ-19-278	322.19	323.63	1.44	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; 25% phenos; weak qtz veinlets; mod sil; mod interstitial bi; weak patchy/stringer ser; weak-mod stringer chl; trace PO in qtz veinlets
SZ-19-278	323.63	326.02	2.39	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; barren
SZ-19-278	326.02	365.71	39.69	1A	Massive Flows	Green; FG-MG; mod fol; small lcl areas contain chl altered selvages but most of unit is massive; mod per chl; mod interstitial bi; slight variance in grain size from areas with FG texture to FG-MG; 20% lcl felsic groundmass; trace car veinlets; contains a 4ALT minor and a qtz vein; trace blebby PO in bleaching 360-361m
SZ-19-278	365.71	390.65	24.94	6B	Gabbro	Light/dark green; FG-CG; no fol; weak-mod lcl shearing; 40% felsic groundmass; weak qtz/car veinlets; mod per chl; mod interstitial/stringer bi; contains some small 5B units and a qtz vein; barren
SZ-19-278	390.65	392.63	1.98	4ALT	Altered Feldspar Porphyry	Purple/grey; FG-MG; mod fol; 5% localized phenos; weak alb bands; weak chl stringers/bands; weak sil; mod interstitial bi; trace hydrothermal pressure fractures with trace ser flooding; second half of unit is much darker purple/grey with no phenos; barren
SZ-19-278	392.63	413.32	20.69	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; no fol; weak-mod lcl shearing; 40% felsic groundmass with localized amygdules; gradationally changes between more gabbroic sections and more FG sections; weak qtz/car veinlets; mod per chl; mod interstitial/stringer bi; trace PO/PY 399.50m
SZ-19-278	413.32	416.55	3.23	4B	Feldspar Porphyry	Purple; FG; mod fol; weak-mod alb banding; weak shearing; no fol; trace hydrothermal pressure fractures; mod interstitial/elongated bi; mod sil; weak qtz veinlets; barren
SZ-19-278	416.55	436.14	19.59	1B	Pillowed Flows	Green; FG-MG; mod fol; contains localized areas of MG; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; barren
SZ-19-278	436.14	437.94	1.80	4E	Pegmatite	White/grey; CG; no fol; large white qtz grains with slight smoky colour in some areas; mod patchy msc; weak stringer grt; mod bi/amph; barren
SZ-19-278	437.94	443.36	5.42	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4B minor; barren
SZ-19-278	443.36	444.40	1.04	4ALT	Altered Feldspar Porphyry	Purple; FG; mod fol; weak-mod hydrothermal pressure fractures with weak ser flooding; weak ser flooding in alb bands; weak ser stringers; weak shearing; no phenos; weak-mod alb banding; mod interstitial bi; mod sil; weak xenos chl; weak qtz veinlets; barren
SZ-19-278	444.40	470.02	25.62	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4B minor; barren
SZ-19-278	470.02	471.36	1.34	6E	Intermediate Dyke	Grey/white; MG; no fol; mod interstitial bi/amph; barren
SZ-19-278	471.36	473.48	2.12	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; mod qtz veinlets; weak car veinlets; barren
SZ-19-278	473.48	476.40	2.92	4E	Pegmatite	White/grey/Pink; CG; no fol; large white qtz grains with slight smoky colour in some areas; about 30% of felds is k-spar altered; mod patchy msc; weak stringer grt; mod bi/amph; barren
SZ-19-278	476.40	487.77	11.37	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4ALT minor; barren
SZ-19-278	487.77	488.89	1.12	4ALT	Altered Feldspar Porphyry	Light purple/white; FG-MG; mod fol; 5% phenos; mod ser flooding; trace fracturing; weak-mod stringer chl; weak-mod speckled msc; mod interstitial bi; mod-str sil; barren
SZ-19-278	488.89	499.97	11.08	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; mod chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4E minor; barren
SZ-19-278	499.97	504.13	4.16	1UT	Ultramafic Talc/Chlorite Altered	Green/blue/brown; FG-MG; no fol; mod-str pervasive/stringer/banded chl/talc/bi; mod mag; barren. Contains several small gouge sections
SZ-19-278	504.13	530.47	26.34	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; no fol; weak-mod lcl shearing; 20% felsic groundmass with localized amygdules; gradationally changes between more gabbroic sections and more FG sections; weak-mod qtz/car veinlets; mod per chl; mod interstitial bi; barren
SZ-19-278	530.47	532.60	2.13	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 10% phenos; weak qtz veinlets; mod sil; mod interstitial bi; weak-mod stringer ser; mod-str alb banding; contains some small 1A sections; weak-mod hydrothermal pressure fractures; barren

SZ-19-278	532.60	539.19	6.59	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak wispy ser bleaching; weak chl altered selvages up to 1cm; weak qtz veinlets; weak car veinlets; contains 2 4ALT minors; barren
SZ-19-278	539.19	540.79	1.60	4ALT	Altered Feldspar Porphyry	Light/medium purple; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz patches; mod ser patches/flooding/stringers; trace phenos; weak shearing; mod-str alb banding; trace PY
SZ-19-278	540.79	542.12	1.33	1ALT	Altered Mafic Volcanic	Light-dark green/white; FG-CG; weak-mod fol; mod-str very wispy patchy bands ser/chl/bi; contains several wavy qtz veinlets; contains a minor 1A; 4% blebby PO/2% stringer PY
SZ-19-278	542.12	546.17	4.05	4ALT	Altered Feldspar Porphyry	Light/medium purple; FG-MG; mod fol; mod sil; mod interstitial bi; weak qtz patches; mod ser stringers/patches/flooding; weak-mod lcl hydrothermal pressure fractures; trace phenos; weak-mod shearing; mod-str alb banding; contains several small units 1A; barren
SZ-19-278	546.17	556.53	10.36	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak wispy ser bleaching; weak chl altered selvages up to 3cm; weak qtz veinlets; weak car veinlets; contains a 4ALT minor; barren
SZ-19-278	556.53	557.16	0.63	1ALT	Altered Mafic Volcanic	Light/dark green; FG; mod-str fol; mod-str banded ser/chl; weak banded qtz/car/alb; 1% PO
SZ-19-278	557.16	559.54	2.38	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak wispy ser bleaching; weak chl altered selvages up to 3cm; weak qtz veinlets; weak car veinlets; contains a 4ALT minor; barren
SZ-19-278	559.54	559.99	0.45	1ALT	Altered Mafic Volcanic	Light/dark green; FG; mod-str fol; mod-str banded ser/chl; weak banded bi/car/alb; weak-mod qtz veinlets; 1% PO
SZ-19-278	559.99	574.12	14.13	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; mod wispy ser bleaching; weak chl altered selvages up to 1cm; weak qtz veinlets; weak car veinlets; contains a 6E and 1ALT minor; 4% PO 566.50-566.73m in 1ALT-like section
SZ-19-278	574.12	577.33	3.21	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod sil; mod interstitial bi; mod alb patches/banding; weak ser flooding in alb banding; weak ser stringers; weak chl stringers; weak shearing; weak qtz veinlets; barren
SZ-19-278	577.33	600.41	23.08	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4B minor; trace PO/PY 597.4-597.6m
SZ-19-278	600.41	601.58	1.17	4ALT	Altered Feldspar Porphyry	Heavily altered beyond recognition. Light green; FG-CG; no fol; strong ser flooding throughout with act stringers; contains xenos of surrounding mafics with wavy contacts - xenos form a conglomerate shape with fracturing; mod interstitial bi/amph; mod sil; barren
SZ-19-278	601.58	604.27	2.69	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% phenos; weak-mod stringer ser; mod interstitial bi; mod sil; mod alb banding; contains a minor 1B; barren
SZ-19-278	604.27	612.92	8.65	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod wispy ser bleaching; weak chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; contains a 4B minor; barren
SZ-19-278	612.92	614.85	1.93	4ALT	Altered Feldspar Porphyry	Purple/white/green; FG; mod fol; mod interstitial bi; mod sil; mod-str alb banding; mod hydrothermal pressure fractures with weak ser flooding; weak-mod ser stringers; mod chl stringers; contains some small 1ALT units; trace PO/PY
SZ-19-278	614.85	625.83	10.98	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser bleaching; weak chl altered selvages up to 2cm; weak qtz veinlets; weak car veinlets; stronger banded for first meter; mod lcl amygdules; contains a 4ALT minor; barren
SZ-19-278	625.83	627.51	1.68	4ALT	Altered Feldspar Porphyry	Purple/green; FG-MG; mod fol; mod interstitial bi; mod sil; weak-mod ser stringers; mod ser flooding; 8% phenos; weak qtz veinlets; trace PO
SZ-19-278	627.51	635.58	8.07	1A	Massive Flows	Green; FG-MG; no fol; weak-mod lcl shearing; coarser grains closer to UC - most of unit is FG; weak-mod qtz/car veinlets; mod per chl; mod hairline fractures throughout; mod interstitial bi; contains a 1ALT minor; barren
SZ-19-278	635.58	635.96	0.38	QV	Quartz Vein	Smoky white/light green; CG; no fol; mod stringer chl/ser; 2% diss PO/1% diss PY/CPY
SZ-19-278	635.96	639.42	3.46	1A	Massive Flows	Green; FG; no fol; mod per chl; mod healed hairline fractures throughout; weak qtz/alb veinlets; mod interstitial bi; trace diss PO 636-637m
SZ-19-278	639.42	641.96	2.54	4E	Pegmatite	White/green; CG; weak fol; mod shearing; unit is mostly white feldspar with large qtz patches that has been sheared; mod chl/bi stringers; 0.5% PY/PO
SZ-19-278	641.96	666.69	24.73	1Z	Gabbroic with gradational contacts	Light-dark green; FG-CG; mod fol; weak lcl shearing; 30% felsic groundmass in more CG areas with localized amygdules; gradationally changes between more gabbroic sections and more FG sections; weak-mod qtz/car veinlets; mod per chl; mod interstitial bi; contains a minor 4E; 0.5% PY 642-644m; 0.5% PO/PY 648.5-648.9m; trace blebby PO 652-653m
SZ-19-278	666.69	698.01	31.32	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/banded bi; weak-mod wispy ser bleaching; weak-mod chl altered selvages up to 2cm; mod qtz veinlets/veins; weak car veinlets; stronger banding for first meter; mod lcl amygdules; contains a 5B minor; barren
SZ-19-278	698.01	703.16	5.15	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; FG-MG; 10% phenos; trace hydrothermal pressure fractures with trace ser flooding; weak-mod alb banding; mod interstitial bi; mod sil; barren
SZ-19-278	703.16	705.75	2.59	5B	Granodiorite	White/grey; FG-MG; no fol; mod interstitial bi/amph; weak-mod qtz veinlets; trace ser patches; trace PO

SZ-19-278	705.75	772.50	66.75	1B	Pillowed Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial/banded bi; weak wispy ser bleaching; weak chl altered selvages up to 2cm; weak-mod qtz veinlets; weak car veinlets; weak lcl amygdules; contains several small 5B units; trace blebby PO 724-725m; trace SPH/PY 747-748m
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BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-278		Actlabs	A19-11525	Assay	538.19	539.19	1.00	167291		11		
SZ-19-278		Actlabs	A19-11525	Assay	539.19	540.00	0.81	167292		11		
SZ-19-278		Actlabs	A19-11525	Assay	540.00	540.79	0.79	167293		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	540.79	541.55	0.76	167294		969		
SZ-19-278		Actlabs	A19-11525	Assay	541.55	542.12	0.57	167295		247		
SZ-19-278		Actlabs	A19-11525	Assay	542.12	543.00	0.88	167296		14		
SZ-19-278		Actlabs	A19-11525	Assay	543.00	543.80	0.80	167297		13		
SZ-19-278		Actlabs	A19-11525	Assay	543.80	544.60	0.80	167298		38		
SZ-19-278		Actlabs	A19-11525	Assay	544.60	545.40	0.80	167299		440		
SZ-19-278		Actlabs	A19-11525	Blank				167300		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	545.40	545.72	0.32	167301		21		
SZ-19-278		Actlabs	A19-11525	Assay	545.72	546.17	0.45	167302		9		
SZ-19-278		Actlabs	A19-11525	Assay	546.17	547.17	1.00	167303		12		
SZ-19-278		Actlabs	A19-11525	Assay	555.53	556.53	1.00	167304		27		
SZ-19-278		Actlabs	A19-11525	Assay	556.53	557.16	0.63	167305		14		
SZ-19-278		Actlabs	A19-11525	Assay	557.16	557.80	0.64	167306		251		
SZ-19-278		Actlabs	A19-11525	Assay	557.80	558.40	0.60	167307		282		
SZ-19-278		Actlabs	A19-11525	Assay	558.40	559.21	0.81	167308		5		
SZ-19-278		Actlabs	A19-11525	Assay	559.21	559.54	0.33	167309		11		
SZ-19-278		Actlabs	A19-11525	OREAS 210				167310		5600		
SZ-19-278		Actlabs	A19-11525	Assay	559.54	559.99	0.45	167311		53		
SZ-19-278		Actlabs	A19-11525	Assay	559.99	560.90	0.91	167312		61		
SZ-19-278		Actlabs	A19-11525	Assay	560.90	561.90	1.00	167313		6		
SZ-19-278		Actlabs	A19-11525	Assay	599.41	600.03	0.62	167314		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	600.03	600.41	0.38	167315		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	600.41	601.04	0.63	167316		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	601.04	601.58	0.54	167317		11		
SZ-19-278		Actlabs	A19-11525	Assay	601.58	602.31	0.73	167318		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	602.31	603.31	1.00	167319		< 5		
SZ-19-278		Actlabs	A19-11525	Blank				167320		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	603.31	604.27	0.96	167321		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	604.27	605.27	1.00	167322		8		
SZ-19-278		Actlabs	A19-11525	Assay	605.27	606.21	0.94	167323		11		
SZ-19-278		Actlabs	A19-11525	Assay	606.21	607.05	0.84	167324		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	607.05	608.05	1.00	167325		5		
SZ-19-278		Actlabs	A19-11525	Assay	611.92	612.92	1.00	167326		12		
SZ-19-278		Actlabs	A19-11525	Assay	612.92	613.90	0.98	167327		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	613.90	614.85	0.95	167328		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	614.85	615.85	1.00	167329		< 5		
SZ-19-278		Actlabs	A19-11525	OREAS 216				167330		6720		
SZ-19-278		Actlabs	A19-11525	Assay	615.85	616.85	1.00	167331		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	623.57	624.57	1.00	167332		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	624.57	625.11	0.54	167333		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	625.11	625.83	0.72	167334		6		
SZ-19-278		Actlabs	A19-11525	Assay	625.83	626.65	0.82	167335		16		
SZ-19-278		Actlabs	A19-11525	Assay	626.65	627.51	0.86	167336		7		
SZ-19-278		Actlabs	A19-11525	Assay	627.51	628.00	0.49	167337		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	628.00	628.58	0.58	167338		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	628.58	629.28	0.70	167339		9		
SZ-19-278		Actlabs	A19-11525	Blank				167340		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	629.28	630.28	1.00	167341		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	634.58	635.58	1.00	167342		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	635.58	635.96	0.38	167343		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	635.96	636.80	0.84	167344		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	636.80	637.70	0.90	167345		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	637.70	638.60	0.90	167346		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	638.60	639.42	0.82	167347		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	639.42	640.20	0.78	167348		48		
SZ-19-278		Actlabs	A19-11525	Assay	640.20	640.96	0.76	167349		< 5		
SZ-19-278		Actlabs	A19-11525	OREAS 215				167350		3570		
SZ-19-278		Actlabs	A19-11525	Assay	640.96	641.96	1.00	167351		< 5		
SZ-19-278		Actlabs	A19-11525	Assay	697.01	698.01	1.00	167352		< 5		

SZ-19-278	Actlabs	A19-11525	Assay	698.01	698.90	0.89	167353		5		
SZ-19-278	Actlabs	A19-11525	Assay	698.90	699.80	0.90	167354		6		
SZ-19-278	Actlabs	A19-11525	Assay	699.80	700.70	0.90	167355		6		
SZ-19-278	Actlabs	A19-11525	Assay	700.70	701.62	0.92	167356		< 5		
SZ-19-278	Actlabs	A19-11525	Assay	701.62	702.00	0.38	167357		17		
SZ-19-278	Actlabs	A19-11525	Assay	702.00	702.78	0.78	167358		< 5		
SZ-19-278	Actlabs	A19-11525	Assay	702.78	703.16	0.38	167359		< 5		
SZ-19-278	Actlabs	A19-11525	Blank				167360		< 5		
SZ-19-278	Actlabs	A19-11525	Assay	703.16	704.16	1.00	167361		< 5		



<b>Hole Number:</b>	<b>SZ-19-279</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					31/07/2019	10/08/2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	45	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646278.78					
<b>Northing</b>	5406530.39	<b>Dip:</b>	-82	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	436.16				01/08/2019	11/08/2019
<u>Final Pick up</u>		<b>Depth(m):</b>	853.00	<b>Logger 1:</b>	Jordan Keir-Sage	
<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>		
					<b>Assay Lab:</b>	Actlabs

<b>Purpose of Hole</b>	Near mine exploration of Sugar Zone South	<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>	No significant intervals	0.0	46.5	-82.4		Planned	52.6
		27.0	46.5	-82.4	5633		54.1
		57.0	47.9	-82.0	1857	az 351.8	359.4
		84.0	49.3	-81.9	5614		56.9
		114.0	46.5	-81.1	5682	6m hex cor	54.1
		144.0	49.4	-80.5	5614		57
		177.0	52.7	-80.4	5583	6m hex cor	60.3
		207.0	53.1	-80.4	5617	6m hex cor	60.7
		237.0	54.9	-79.2	5636	239m bit c	62.5
		<b>Comments</b>		270.0	56.0	-78.9	5621
303.0	55.7			-78.2	5623	6m hex cor	63.3
333.0	58.1			-76.2	5628	6m hex cor	65.7
363.0	57.7			-75.4	5611		65.3
393.0	58.6			-74.9	5622	405m bit c	66.2
423.0	59.6			-73.3	5619	6m hex cor	67.2
453.0	60.3			-73.3	5607	6m hex cor	67.9
483.0	60.1			-72.6	5625	6m hex cor	67.7
513.0	61.0			-71.5	5634		68.6
543.0	60.1			-71.2	5677	546m bit c	67.7
<b>Azimuth corrected to 7.6 degrees west declination</b>		573.0	61.5	-70.2	5597	6m hex cor	69.1
		603.0	61.6	-69.9	5626	6m hex cor	69.2
		633.0	61.1	-69.3	5623	6m hex cor	68.7
		663.0	61.3	-68.4	5617	669m bit c	68.9
		693.0	61.7	-67.6	5612	6m hex cor	69.3
		723.0	63.3	-67.4	5623	6m hex cor	70.9
		753.0	63.7	-67.1	5664	6m hex cor	71.3
		783.0	64.1	-66.6	5622	6m hex cor	71.7
		813.0	63.8	-66.0	5618	6m hex cor	71.4
		843.0	65.5	-65.2	5622		73.1


BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-279	0.00	8.29	8.29	OVB	Overburden	
SZ-19-279	8.29	15.53	7.24	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	15.53	18.53	3.00	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	18.53	35.55	17.02	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	35.55	43.34	7.79	4B	Feldspar Porphyry	Purple; Fine to Coarse Grained; moderately foliated; weak shearing; mod-str elongated interstitial biotite; mod silicification; 2% Coarse Grained pheons; weak albite banding; minor quartz stringers
SZ-19-279	43.34	53.20	9.86	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	53.20	54.83	1.63	4E	Pegmatite	Purple; Fine to Coarse Grained; moderately foliated; weak shearing; mod-str elongated interstitial biotite; mod silicification; 2% Coarse Grained pheons; weak albite banding; minor quartz stringers
SZ-19-279	54.83	60.05	5.22	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	60.05	63.08	3.03	4B	Feldspar Porphyry	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	63.08	66.02	2.94	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	66.02	83.60	17.58	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	83.60	84.73	1.13	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	84.73	119.03	34.30	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	119.03	122.30	3.27	4ALT	Altered Feldspar Porphyry	Light purple; Fine Grained-Medium Grained; moderate foliation; strong silicification; weak-mod interstitial biotite; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; very trace PO
SZ-19-279	122.30	131.20	8.90	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	131.20	133.87	2.67	4ALT	Altered Feldspar Porphyry	Light purple; Fine Grained-Medium Grained; moderate foliation; strong silicification; weak-mod interstitial biotite; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; very trace PO
SZ-19-279	133.87	167.24	33.37	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote; multiple silicified granodiorite intrusions
SZ-19-279	167.24	177.39	10.15	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	177.39	178.80	1.41	5B	Granodiorite	medium grained; white; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. Strong pervasive silicification
SZ-19-279	178.80	185.86	7.06	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	185.86	188.55	2.69	5B	Granodiorite	medium grained; white; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. Strong pervasive silicification
SZ-19-279	188.55	209.44	20.89	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	209.44	211.10	1.66	5B	Granodiorite	medium grained; white; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. Strong pervasive silicification
SZ-19-279	211.10	299.90	88.80	1Z	Gabbroic with gradational contacts	Light/dark green; Fine Grained to Coarse Grained; moderate foliation; variable grain sized with finer grains near contacts and coarser in the center of unit; weak-mod per chlorite; weak-moderate; weak banded biotite; weak local carbonates/sericite healed fractures; weak-mod stringer carbonate
SZ-19-279	299.90	334.10	34.20	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	334.10	337.40	3.30	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	337.40	339.60	2.20	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;

SZ-19-279	339.60	351.20	11.60	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	351.20	398.15	46.95	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets; variable magnetism in unit
SZ-19-279	398.15	407.57	9.42	6B	Gabbro	Green; Fine Grained-coarse Grained; moderate foliation; moderate pervasive chlorite with larger chlorite grains; moderate interstitial biotite; weak qtz/car veinlets; variable magnetism in unit
SZ-19-279	407.57	408.91	1.34	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	408.91	430.31	21.40	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	430.31	432.50	2.19	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	432.50	458.17	25.67	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	458.17	459.95	1.78	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	459.95	463.86	3.91	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	463.86	468.00	4.14	4ALT	Altered Feldspar Porphyry	Light purple; Fine Grained-Medium Grained; moderate foliation; strong silicification; weak-mod interstitial biotite; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; no sulfides
SZ-19-279	468.00	500.91	32.91	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	500.91	504.62	3.71	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	504.62	518.42	13.80	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	518.42	520.20	1.78	6E	Intermediate Dyke	medium grained; intermediate unit with a massive to banded texture. Unit is light grey with a slight purple hue composed of predominately plagioclase and biotite. Mafics produce a slightly banded texture in sections.
SZ-19-279	520.20	523.20	3.00	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	523.20	525.48	2.28	5B	Granodiorite	medium grained; white; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. Visible black biotite
SZ-19-279	525.48	526.54	1.06	6E	Intermediate Dyke	medium grained; intermediate unit with a massive to banded texture. Unit is light grey with a slight purple hue composed of predominately plagioclase and biotite. Mafics produce a slightly banded texture in sections.
SZ-19-279	526.54	534.40	7.86	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	534.40	535.82	1.42	5B	Granodiorite	medium grained; white; felsic unit composed predominately of k spar with lesser Smokey quartz and light green/grey muscovite. Visible black biotite
SZ-19-279	535.82	558.41	22.59	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	558.41	559.80	1.39	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	559.80	569.57	9.77	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	569.57	570.64	1.07	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	570.64	584.10	13.46	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	584.10	585.75	1.65	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	585.75	597.65	11.90	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote



SZ-19-279	597.65	599.86	2.21	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	599.86	629.82	29.96	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	629.82	632.50	2.68	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	632.50	638.10	5.60	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	638.10	641.33	3.23	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; trace PY possible SP/GN
SZ-19-279	641.33	642.34	1.01	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	642.34	643.57	1.23	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; trace PY
SZ-19-279	643.57	648.13	4.56	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	648.13	685.20	37.07	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation parasitic folding of some qtz veinlets visible near 475; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	685.20	687.31	2.11	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	687.31	693.00	5.69	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	693.00	694.35	1.35	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	694.35	699.00	4.65	1ALT	Altered Mafic Volcanic	Light/dark green; Fine Grained; moderate-strong foliation; moderate-strong banded biotite/chlorite/sericite; weak qtz veinlets; trace PY/PO
SZ-19-279	699.00	725.70	26.70	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	725.70	728.36	2.66	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	728.36	757.28	28.92	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets; fault gouge at 737
SZ-19-279	757.28	760.77	3.49	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	760.77	764.96	4.19	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	764.96	768.92	3.96	4E	Pegmatite	Pink/smoky/yellow; Coarse Grained; no foliation; coarse grained muscovite; speckled smoky qtz; 50% feldspars - most of which is k-spar altered;
SZ-19-279	768.92	777.98	9.06	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	777.98	779.53	1.55	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote
SZ-19-279	779.53	833.51	53.98	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	833.51	834.68	1.17	6E	Intermediate Dyke	medium grained; intermediate unit with a massive to banded texture. Unit is light grey with a slight purple hue composed of predominately plagioclase and biotite. Mafics produce a slightly banded texture in sections.
SZ-19-279	834.68	847.40	12.72	1A	Massive Flows	Green; Fine Grained-Medium Grained; moderate foliation; moderate pervasive chlorite; moderate interstitial biotite; weak qtz/car veinlets;
SZ-19-279	847.40	848.85	1.45	4B	Feldspar Porphyry	Purple; Fine Grained- medium grained; moderate foliation; weak shearing; moderate stretched pheons 2% weak albite banding; weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-279	848.85	853.00	4.15	1B	Pillowed Flows	Green grey; Fine Grained; moderately foliated pillowed mafic flows; moderate pervasive chlorite; weak interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy sericite with trace epidote

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-279		Actlabs	A19-10682	Assay	573.77	574.77	1.00	167261		93		
SZ-19-279		Actlabs	A19-10682	Assay	574.77	575.26	0.49	167262		75		
SZ-19-279		Actlabs	A19-10682	Assay	575.26	576.26	1.00	167263		91		
SZ-19-279		Actlabs	A19-10682	Assay	636.10	637.10	1.00	167264		5		
SZ-19-279		Actlabs	A19-10682	Assay	637.10	638.10	1.00	167265		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	638.10	639.00	0.90	167266		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	639.00	640.00	1.00	167267		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	640.00	641.00	1.00	167268		5		
SZ-19-279		Actlabs	A19-10682	Assay	641.00	641.33	0.33	167269		< 5		
SZ-19-279		Actlabs	A19-10682	OREAS 216				167270		6700		
SZ-19-279		Actlabs	A19-10682	Assay	641.33	642.34	1.01	167271		7		
SZ-19-279		Actlabs	A19-10682	Assay	642.34	643.00	0.66	167272		15		
SZ-19-279		Actlabs	A19-10682	Assay	643.00	643.57	0.57	167273		13		
SZ-19-279		Actlabs	A19-10682	Assay	643.57	644.52	0.95	167274		6		
SZ-19-279		Actlabs	A19-10682	Assay	644.52	645.52	1.00	167275		5		
SZ-19-279		Actlabs	A19-10682	Assay	692.00	693.00	1.00	167276		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	693.00	693.35	0.35	167277		19		
SZ-19-279		Actlabs	A19-10682	Assay	693.35	694.35	1.00	167278		33		
SZ-19-279		Actlabs	A19-10682	Assay	694.35	695.00	0.65	167279		< 5		
SZ-19-279		Actlabs	A19-10682	Blank				167280		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	695.00	696.00	1.00	167281		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	696.00	697.00	1.00	167282		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	697.00	698.00	1.00	167283		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	698.00	698.86	0.86	167284		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	698.86	699.86	1.00	167285		5		
SZ-19-279		Actlabs	A19-10682	Assay	699.86	700.86	1.00	167286		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	678.00	679.00	1.00	167287		< 5		
SZ-19-279		Actlabs	A19-10682	Assay	679.00	680.00	1.00	167288		5		
SZ-19-279		Actlabs	A19-10682	Assay	680.00	681.00	1.00	167289		< 5		
SZ-19-279		Actlabs	A19-10682	OREAS 215				167290		3680		

		Hole Number:	SZ-19-280				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					21/07/2019	30/07/2019	
Planned Coordinates		Azimuth:	45	Drill Contractor:	Foraco Canada Ltd		
Easting	646278.78						
Northing	5406530.39	Dip:	-75	Dates Logged:	Start Date:	End Date:	
Elevation(m)	436.16					21/07/2019	30/07/2019
Final Pick up		Depth(m):	665.00	Logger 1:	Josh Zundl		
Easting					Logger 2:	Andrew Wehrfritz	
Northing		Core Size:	NQ	Logger 3:	Jordan Keir-Sage		
Elevation(m)					Assay Lab:	Actlabs	
Casing				Dip Tests			
Purpose of Hole	Near mine exploration of Sugar Zone South	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	46.8	-74.3		Planned	52.6
Results	No clear zones of sulfide-rich alteration.	26.0	46.8	-74.3	5634	3m Hex; 18	54.4
		57.0	49.3	-74.3	5617	6m Hex; 18	56.9
		87.0	48.8	-73.1	5604	111m 6m s	56.4
		117.0	50.6	-72.7	5627	6m Standa	58.2
		147.0	50.9	-71.9	5634	6m Standa	58.5
		177.0	50.0	-71.3	5644	6m Standa	57.6
Comments	Josh logged beginning of hole to 421 and 480.5 to 597.5m. Andrew Logged from 421 to 480.5m	207.0	50.8	-70.2	5669	192m 6m s	58.4
		237.0	49.9	-69.3	5646	6m Standa	57.5
		270.0	51.2	-68.4	5644	6m Standa	58.8
		307.0	52.3	-66.8	5634	307m 6m s	59.9
		342.0	52.5	-65.8	5638	6m Standa	60.1
		372.0	53.5	-65.3	5634		61.1
		405.0	54.6	-64.8	5622	6m Standa	62.2
		435.0	55.6	-63.1	5630	426m 6m r	63.2
		468.0	57.0	-63.0	5607	6 m hex 18	64.6
		498.0	57.7	-61.8	5615	507m bit c	65.3
Azimuth corrected to 7.6 degrees west declination		528.0	59.5	-60.7	5613	6m Hex; 18	67.1
570.0	59.2	-58.3	5614	6m Hex; 18	66.8		
600.0	59.9	-57.0	5613	6 m hex 18	67.5		
633.0	61.1	-55.9	5613	6 m hex 18	68.7		
663.0	61.4	-54.8	5620		69		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-280	0.00	7.27	7.27	OVB	Overburden	
SZ-19-280	7.27	15.57	8.30	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/patchy bi; mod chl altered selvages up to 4cm; mod wispy ser; weak patchy car; mod mud in fracturing; barren
SZ-19-280	15.57	18.20	2.63	4E	Pegmatite	Pink/smoky/yellow; CG; no fol; mod-str patchy/speckled msc; mod speckled smoky qtz; 50% feds - most of which is k-spar altered; barren
SZ-19-280	18.20	28.56	10.36	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/patchy bi; mod chl altered selvages up to 2cm; mod wispy ser; weak car/qtz veinlets; barren
SZ-19-280	28.56	34.17	5.61	4B	Feldspar Porphyry	Purple; FG-CG; mod fol; weak shearing; mod-str elongated interstitial bi; mod sil; 2% CG pheons; weak alb banding; weak hydrothermal pressure fractures with weak ser flooding; weak-mod qtz veinlets; barren
SZ-19-280	34.17	48.97	14.80	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/patchy bi; mod chl altered selvages up to 2cm; mod wispy ser; mod car veinlets; weak qtz veinlets; contains a minor 4B; barren
SZ-19-280	48.97	50.83	1.86	4ALT	Altered Feldspar Porphyry	Light purple; FG-MG; mod fol; str sil; weak-mod interstitial bi; mod-str hydrothermal pressure fractures with weak-mod ser flooding; weak qtz veinlets; very trace PO
SZ-19-280	50.83	98.18	47.35	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial/patchy bi; mod chl altered selvages up to 2cm; mod-str wispy ser; weak-mod car veinlets; weak qtz veinlets; barren
SZ-19-280	98.18	100.25	2.07	4ALT	Altered Feldspar Porphyry	Purple/brown/green; FG; mod fol; weak shearing; mod banded/interstitial bi; weak qtz veinlets; weak-mod car veinlets; mod wispy ser/chl; almost blends in with surrounding 1B; barren
SZ-19-280	100.25	105.48	5.23	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod chl altered selvages up to 2cm; mod wispy ser; weak qtz/car veinlets; barren
SZ-19-280	105.48	107.56	2.08	4ALT	Altered Feldspar Porphyry	Light purple/white; FG; mod fol; weak shearing; weak-mod interstitial bi; str ser flooding/stringers/banding; weak-mod hydrothermal pressure-fractures; contains a qtz vein; trace PO
SZ-19-280	107.56	134.12	26.56	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; mod chl altered selvages up to 3cm; mod wispy ser; weak qtz/car veinlets; first couple meters of unit have stronger banding alb/bi/chl/ser; barren
SZ-19-280	134.12	171.03	36.91	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; trace chl altered selvages up to 2cm; weak-mod wispy ser; weak qtz/car veinlets; 20% felsic groundmass in MG sections trace PO 148-150m
SZ-19-280	171.03	240.12	69.09	6B	Gabbro	Light/dark green; FG-CG; no fol; mod per chl; mod local shearing throughout about 35% of unit; weak banded bi; weak-mod stringer car/ser; 50% felsic groundmass; weak qtz veinlets; barren
SZ-19-280	240.12	271.28	31.16	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; mod fol; unit alternates between areas of CG/CG with shearing/FG 1A texture; weak-mod per chl; weak-mod shearing throughout about 80% of unit; weak banded bi; weak per talc; weak local car/ser healed fractures; weak-mod stringer car/ser; 70% felsic groundmass; weak qtz veinlets; barren
SZ-19-280	271.28	272.90	1.62	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod interstitial bi; mod sil; weak-mod alb banding; weak chl stringers; weak qtz veinlets; trace PY
SZ-19-280	272.90	299.23	26.33	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; trace chl altered selvages up to 1cm; weak wispy ser; weak qtz/car veinlets; trace amygdules; 20% felsic groundmass in MG sections; contains a qtz vein and a minor 4B; barren
SZ-19-280	299.23	324.05	24.82	6B	Gabbro	Light/dark green; FG-CG; no fol; mod per chl; mod local shearing throughout about 60% of unit; weak banded bi; weak-mod stringer car/ser; 50% felsic groundmass; weak qtz veinlets; first half of unit is less sheared - second half is sheared with overprinted CG; barren
SZ-19-280	324.05	325.13	1.08	4B	Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod interstitial bi; mod sil; weak-mod alb banding with trace ser flooding in it; weak chl stringers; 5% pheons; weak qtz veinlets; trace hydrothermal pressure fractures; barren
SZ-19-280	325.13	342.02	16.89	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; no fol; alternates between areas of CG and FG; mod per chl; weak shearing; weak banded bi; weak-mod stringer car/ser; 35% felsic groundmass; weak qtz veinlets; first half of CG sections are less sheared - second half is sheared with overprinted CG; contains some small 5B dyklets; barren
SZ-19-280	342.02	344.04	2.02	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; mod interstitial bi; mod sil; 5% slightly elongated pheons; weak alb banding; barren
SZ-19-280	344.04	369.66	25.62	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; contains a small FG-MG section; weak-mod chl altered selvages up to 2cm; mod wispy ser; weak car/qtz veinlets; contains 2 4B minors; barren
SZ-19-280	369.66	373.31	3.65	4ALT	Altered Feldspar Porphyry	White/brown/purple; FG-MG; mod fol; mod-str banded bi; mod banded alb; weak-mod hydrothermal pressure fractures; weak-mod speckled grt; weak qtz veinlets; trace stringer msc; weak ser banding; barren
SZ-19-280	373.31	378.40	5.09	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser bleaching; weak-mod qtz veinlets; barren
SZ-19-280	378.40	384.33	5.93	4ALT	Altered Feldspar Porphyry	White/brown/purple; FG-MG; mod fol; mod-str banded bi; weak speckled amph; mod banded alb; weak-mod hydrothermal pressure fractures; weak speckled grt; weak qtz veinlets; weak-mod fracture filled msc; weak ser banding; trace blebby MOLY

SZ-19-280	384.33	385.72	1.39	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser bleaching; weak qtz veinlets; barren
SZ-19-280	385.72	387.40	1.68	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod-str banded alb; mod interstitial bi; mod sil; trace hydrothermal pressure fractures; 3% pheons; weak shearing; barren
SZ-19-280	387.40	396.40	9.00	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 2cm; mod wispy ser bleaching; weak-mod car/qtz veinlets; contains a small area with very wavy banding; contains a small area with mod-str per chl/bi; contains a minor 4B; barren
SZ-19-280	396.40	421.00	24.60	1Z	Gabbroic with gradational contacts	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak car/qtz veinlets; trace ser stringers/chl altered selvages; contains 2 4B minors; barren
SZ-19-280	421.00	422.40	1.40	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.
SZ-19-280	422.40	423.45	1.05	6E	Intermediate Dyke	mg; intermediate unit with a massive to banded texture. Unit is light grey with a slight purple hue composed of predominately plagioclase and biotite. Mafics produce a slightly banded texture in sections.
SZ-19-280	423.45	436.66	13.21	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. Minor pegmatite units.
SZ-19-280	436.66	437.81	1.15	4B	Feldspar Porphyry	Fine to medium grained; grey felsic unit with a slight purple hue. Felsic groundmass with disseminated black biotite; and millimetric white feldspar phenocrysts with a minor amount of straining. Unit contains occasional light green alteration halos surrounding healed fractures.
SZ-19-280	437.81	442.60	4.79	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. Minor amounts of potassic alteration.
SZ-19-280	442.60	444.22	1.62	4B	Feldspar Porphyry	Fine to medium grained; grey felsic unit with a slight purple hue. Felsic groundmass with disseminated black biotite; and millimetric white feldspar phenocrysts with a minor amount of straining. Unit contains occasional light green alteration halos surrounding healed fractures. Minor amounts of potassic alteration.
SZ-19-280	444.22	467.00	22.78	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. occasional millimetric sized garnets suspended throughout. Minor section of intermediate dyke at 449.7.
SZ-19-280	467.00	468.12	1.12	4B	Feldspar Porphyry	Fine to medium grained; grey felsic unit with a slight pink/purple hue. Felsic groundmass with disseminated black biotite; and millimetric white feldspar phenocrysts with a minor amount of straining. Unit contains occasional light green alteration halos surrounding healed fractures. Minor to moderate amounts of potassic alteration associate with a brecciated texture.
SZ-19-280	468.12	498.02	29.90	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.
SZ-19-280	498.02	499.67	1.65	4ALT	Altered Feldspar Porphyry	Light purple; FG-MG; mod fol; mod sil; mod interstitial bi; mod hydrothermal pressure fractures with weak-mod ser flooding; mod alb banding; weak qtz patches; contains a very small 1ALT section; barren
SZ-19-280	499.67	508.04	8.37	1B	Pillowed Flows	Green; FG; mod-str fol; mod banded/interstitial bi; weak boudinage; mod small chl altered selvages up to 1cm; mod per chl; weak-mod ser bleaching; weak stringers car/qtz; contains 3 4E minors and a 4ALT minor; 1% PO/SPH/CPY 507-507.30m
SZ-19-280	508.04	509.11	1.07	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 3% pheons; weak-mod qtz veinlets; weak-mod alb banding/patches; mod interstitial bi; weak ser stringers; weak-mod chl patches in alb; trace ser flooding; very trace PY
SZ-19-280	509.11	522.22	13.11	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod interstitial bi; weak-mod chl altered selvages up to 1cm; weak-mod wispy ser bleaching; trace car veinlets; weak-mod qtz veinlets/veins; contains small areas of stronger banding; barren
SZ-19-280	522.22	523.30	1.08	1ALT	Altered Mafic Volcanic	Green/brown/purple; FG; mod fol; mod alternating thick bands 4ALT/bi/chl/wispy ser banding; weak qtz veinlets; 0.5% PY
SZ-19-280	523.30	540.67	17.37	1A	Massive Flows	Green; FG-MG; mod fol; mod interstitial bi with mod bi banding closer to 4ALT minor 527.5-529m; mod per chl; weak wispy ser bleaching; weak cer/qtz veinlets; barren

SZ-19-280	540.67	573.24	32.57	1B	Pillowed Flows	Green; FG-MG; mod fol; weak-mod per chl; mod-str chl altered selvages up to 4cm; weak wispy ser; mod interstitial bi; mod felsic amygdules; weak car veinlets; weak-mod qtz veinlets/veins; contains minors 5B/4B/4ALT; trace PY/PO 556.60-556.70
SZ-19-280	573.24	575.13	1.89	1ALT	Altered Mafic Volcanic	Light/dark green; FG; mod-str fol; mod-str banded bi/chl/ser; weak qtz veinlets; contains a minor 4ALT; barren
SZ-19-280	575.13	598.62	23.49	1B	Pillowed Flows	Green; FG-MG; mod fol; weak-mod per chl; mod-str chl altered selvages up to 4cm; weak wispy ser; weak car veinlets; weak-mod qtz veinlets/veins; barren
SZ-19-280	598.62	607.72	9.10	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; mod interstitial bi; weak qtz/car veinlets;
SZ-19-280	607.72	631.74	24.02	1B	Pillowed Flows	Green; FG-MG; mod fol; weak-mod per chl; mod-str chl altered selvages up to 4cm; weak wispy ser; weak car veinlets; weak-mod qtz veinlets/veins; barren. From approx. 620 - 621m the core is blocky and faulting is visible
SZ-19-280	631.74	634.12	2.38	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; mod interstitial bi; mod sil; 5% slightly elongated pheons; weak alb banding; barren
SZ-19-280	634.12	665.00	30.88	1B	Pillowed Flows	Green; FG-MG; mod fol; weak-mod per chl; mod-str chl altered selvages up to 4cm; weak wispy ser; weak car veinlets; weak-mod qtz veinlets/veins; barren

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-280		Actlabs	A19-09960	Assay	496.00	497.00	1.00	167213		11		
SZ-19-280		Actlabs	A19-09960	Assay	497.00	498.00	1.00	167214		15		
SZ-19-280		Actlabs	A19-09960	Assay	498.00	498.80	0.80	167215		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	498.80	499.71	0.91	167216		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	499.71	500.50	0.79	167217		7		
SZ-19-280		Actlabs	A19-09960	Assay	500.50	501.50	1.00	167218		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	501.50	502.50	1.00	167219		< 5		
SZ-19-280		Actlabs	A19-09960	Blank				167220		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	502.50	503.50	1.00	167221		5		
SZ-19-280		Actlabs	A19-09960	Assay	503.50	504.50	1.00	167222		5		
SZ-19-280		Actlabs	A19-09960	Assay	504.50	505.50	1.00	167223		6		
SZ-19-280		Actlabs	A19-09960	Assay	505.50	506.31	0.81	167224		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	506.31	507.10	0.79	167225		15		
SZ-19-280		Actlabs	A19-09960	Assay	507.10	508.04	0.94	167226		7		
SZ-19-280		Actlabs	A19-09960	Assay	508.04	508.50	0.46	167227		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	508.50	509.11	0.61	167228		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	509.11	509.72	0.61	167229		12		
SZ-19-280		Actlabs	A19-09960	OREAS 215				167230		3500		
SZ-19-280		Actlabs	A19-09960	Assay	509.72	510.11	0.39	167231		15		
SZ-19-280		Actlabs	A19-09960	Assay	518.81	519.81	1.00	167232		10		
SZ-19-280		Actlabs	A19-09960	Assay	519.81	520.18	0.37	167233		125		
SZ-19-280		Actlabs	A19-09960	Assay	520.18	521.20	1.02	167234		73		
SZ-19-280		Actlabs	A19-09960	Assay	521.20	522.22	1.02	167235		20		
SZ-19-280		Actlabs	A19-09960	Assay	522.22	522.70	0.48	167236		29		
SZ-19-280		Actlabs	A19-09960	Assay	522.70	523.30	0.60	167237		38		
SZ-19-280		Actlabs	A19-09960	Assay	523.30	524.30	1.00	167238		7		
SZ-19-280		Actlabs	A19-09960	Assay	524.30	525.10	0.80	167239		6		
SZ-19-280		Actlabs	A19-09960	Blank				167240		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	525.10	525.80	0.70	167241		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	525.80	526.70	0.90	167242		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	526.70	527.51	0.81	167243		5		
SZ-19-280		Actlabs	A19-09960	Assay	527.51	528.48	0.97	167244		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	528.48	528.80	0.32	167245		6		
SZ-19-280		Actlabs	A19-09960	Assay	528.80	529.80	1.00	167246		13		
SZ-19-280		Actlabs	A19-09960	Assay	565.68	566.68	1.00	167247		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	566.68	567.47	0.79	167248		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	567.47	568.40	0.93	167249		< 5		
SZ-19-280		Actlabs	A19-09960	OREAS 210				167250		5450		
SZ-19-280		Actlabs	A19-09960	Assay	568.40	569.40	1.00	167251		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	569.40	570.40	1.00	167252		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	570.40	571.40	1.00	167253		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	571.40	572.40	1.00	167254		7		
SZ-19-280		Actlabs	A19-09960	Assay	572.40	573.24	0.84	167255		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	573.24	573.68	0.44	167256		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	573.68	574.17	0.49	167257		< 5		
SZ-19-280		Actlabs	A19-09960	Assay	574.17	575.13	0.96	167258		6		
SZ-19-280		Actlabs	A19-09960	Assay	575.13	576.13	1.00	167259		< 5		
SZ-19-280		Actlabs	A19-09960	Blank				167260		< 5		



<b>Hole Number:</b>	<b>SZ-19-281</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					15/07/2019	20/07/2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	45	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646278.78					
<b>Northing</b>	5406530.39	<b>Dip:</b>	-67	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	436.16				15/07/2019	20/07/2019
<u>Final Pick up</u>		<b>Depth(m):</b>	555.00	<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>	Josh Zundl	
<b>Elevation(m)</b>					<b>Assay Lab:</b>	Actlabs

**Casing**

<b>Purpose of Hole</b>	Near mine exploration of Sugar Zone South	<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>	4 FLECKS VG found in upper zone in Altered Mafic Volcanics section 411.54 - 411.90m. Alteration is isolated inside a 1B section - the closest 4ALT sections end at 408.13m/begin at 416.29m. No other zones apparent.	0.0	45.0	-67.0		Planned	52.6
		24.0	45.3	-67.1	5669	18m bit ch	52.9
		54.0	46.2	-66.7	5626	6m stabiliz	53.8
		84.0	45.5	-66.0	5626	6m stabiliz	53.1
		114.0	46.9	-65.6	5612		54.5
		144.0	46.4	-64.4	5618	123m bit c	54
		174.0	47.3	-63.8	5516	low mag az	67.3
		207.0	48.1	-63.1	5616	208m bit c	55.7
		237.0	49.7	-62.1	5610		57.3
		<b>Comments</b>	Jordan logged to 104.47m. Andrew started logging at 104.47 to 352.56. Josh Zundl logged the rest of the hole.	267.0	50.8	-60.5	5563
297.0	51.9			-59.5	5626		59.5
327.0	52.0			-58.6	5628		59.6
357.0	52.5			-57.5	5625	6m Hex; 18	60.1
387.0	54.6			-57.0	5613	6m Hex; 18	62.2
420.0	53.7			-55.9	5616	6m Hex; 18	61.3
453.0	55.7			-54.3	5617	432m bit c	63.3
483.0	56.2			-53.0	5611	6m Hex; 18	63.8
513.0	57.2			-51.1	5611		64.8
552.0	59.3			-49.1	5609	6m Hex; 18	66.9

**Azimuth corrected to 7.6 degrees west declination**



BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-281	0.00	9.00	9.00	CAS	Casing	
SZ-19-281	9.00	17.67	8.67	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	17.67	21.00	3.33	4E	Pegmatite	Coarse grained; pinkish white pegmatite. Coarse grained muscovite within large feldspars and qtz
SZ-19-281	21.00	24.41	3.41	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	24.41	29.55	5.14	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite.
SZ-19-281	29.55	41.86	12.31	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	41.86	44.02	2.16	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-281	44.02	73.63	29.61	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	73.63	77.85	4.22	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority compoision is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-281	77.85	89.28	11.43	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	89.28	91.51	2.23	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-281	91.51	145.45	53.94	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Shearing with trace PY mineralization visible near upper contact Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-281	145.45	156.09	10.64	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	156.09	166.65	10.56	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey; gabbro. Moderate foliation. Majority Composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Gradational contacts on the upper and lower contacts of the unit.
SZ-19-281	166.65	176.92	10.27	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	176.92	178.27	1.35	5A	Granite	mg white to light grey unit composed predominately of plagioclase with lesser amounts of quartz and light green muscovite. Muscovite is predominately coarse grained.
SZ-19-281	178.27	183.18	4.91	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	183.18	190.73	7.55	6B	Gabbro	Medium to coarse grained; green grey; gabbroic unit. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Mafic minerals tend to be coarser grained and surrounded by finer grained plagioclase or mafics.
SZ-19-281	190.73	195.55	4.82	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	195.55	211.76	16.21	6B	Gabbro	Medium to coarse grained; green grey; gabbroic unit. Moderate foliation. Majority of composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Mafic minerals tend to be coarser grained and surrounded by finer grained plagioclase or mafics.

SZ-19-281	211.76	234.48	22.72	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	234.48	237.14	2.66	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey; gabbro. Moderate foliation. Majority of composition is mg to cg mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Gradational contacts on the upper and lower contacts of the unit. Some sections are finer grained and appear similar to a massive mafic flow
SZ-19-281	237.14	238.66	1.52	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow with a dark green to light green banded texture. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. Qtz carb stringers make up 10% of unit. lighter green alteration bands contain epidote alteration.
SZ-19-281	238.66	240.50	1.84	4B	Feldspar Porphyry	Fine to medium grained moderately foliated light grey unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with ~5% millimetric sized feldspar phenocrysts throughout. Feldspar phenocrysts are slightly to moderately strained. Occasional quartz stringers.
SZ-19-281	240.50	246.32	5.82	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow with a dark green to light green banded texture. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. Qtz carb stringers make up 10% of unit. lighter green alteration bands contain epidote alteration.
SZ-19-281	246.32	265.52	19.20	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	265.52	285.26	19.74	1Z	Gabbroic with gradational contacts	Fine to coarse grained; green grey; gabbro. Moderate foliation. Majority of composition is mg to cg mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Gradational contacts on the upper and lower contacts of the unit. Some sections are finer grained and appear similar to a massive mafic flow
SZ-19-281	285.26	286.33	1.07	4B	Feldspar Porphyry	Fine to medium grained moderately foliated light grey unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with ~5% millimetric sized feldspar phenocrysts throughout. Feldspar phenocrysts are slightly to moderately strained. Occasional quartz stringers.
SZ-19-281	286.33	298.85	12.52	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Quartz vein from 296.74 to 296.87 with approximately 1% po. Bleb of moly at 295.2 within a quartz veinlet.
SZ-19-281	298.85	300.45	1.60	4B	Feldspar Porphyry	Fine to medium grained moderately foliated light grey unit with a slight purple hue. Unit is composed predominately of a fg felsic ground mass with ~5% millimetric sized feldspar phenocrysts throughout. Feldspar phenocrysts are slightly to moderately strained. Occasional quartz stringers.
SZ-19-281	300.45	304.53	4.08	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	304.53	331.42	26.89	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow with a dark green to light green banded texture. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. Qtz carb stringers make up 10% of unit. lighter green alteration bands contain epidote alteration.
SZ-19-281	331.42	336.55	5.13	4ALT	Altered Feldspar Porphyry	Fine to medium grained moderately foliated light grey unit with a slight purple hue. Unit is composed predominately of a fg silicified ground mass with <5% millimetric sized feldspar phenocrysts throughout. Feldspar phenocrysts are moderately strained. Light grey to brown alteration bands throughout the unit composed predominately of softer mineralization (sericite?). <1% disseminated py and silver coloured sulphide (arsenopyrite?)
SZ-19-281	336.55	349.22	12.67	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow with a dark green to light green banded texture. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. Qtz carb stringers make up 10% of unit. lighter green alteration bands contain epidote alteration.
SZ-19-281	349.22	358.08	8.86	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite.
SZ-19-281	358.08	360.15	2.07	6B	Gabbro	Green; FG-CG; no fol; mod per chl; 50% felsic groundmass; weak stringer car/alb/ser; weak lcl area of FG with mod shearing and more bi/ser; contains a small qtz vein; barren
SZ-19-281	360.15	394.15	34.00	1A	Massive Flows	Green; FG-MG; mod fol; mod per chl; slightly alternates between FG and FG-MG; 25% felsic groundmass; weak-mod stringer car/ser; mod interstitial/slightly banded bi; contains a small section of str talc alteration; weak lcl chl altered selvages <1cm; barren
SZ-19-281	394.15	395.70	1.55	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; mod-str alb banding; weak hydrothermal pressure fractures; mod interstitial bi; mod sil; trace PO

SZ-19-281	395.70	398.64	2.94	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; weak-mod chl altered selvages up to 1cm; mod interstitial bi; weak wispy ser banding; weak car stringers; contains a minor 4ALT; trace PY close to LC
SZ-19-281	398.64	403.69	5.05	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; half of unit has 10% phenos with the other half mod shearing; weak-mod alb banding; trace speckled grt; weak-mod stringer ser/chl in more sheared sections; mod interstitial bi; mod sil; contains a minor 1A; trace PO
SZ-19-281	403.69	407.11	3.42	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; weak-mod chl altered selvages up to 2cm; mod interstitial bi; weak-mod wispy ser banding; weak car stringers; contains area of strong bi/talc pervasive alteration in last 50cm before LC; barren
SZ-19-281	407.11	408.13	1.02	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 5% phenos; mod-str alb banding; mod hydrothermal pressure fractures with weak ser flooding; mod interstitial bi; mod sil; barren
SZ-19-281	408.13	411.54	3.41	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod chl altered selvages up to 2cm; mod interstitial bi; mod wispy ser banding; weak-mod car stringers; barren
SZ-19-281	411.54	411.90	0.36	1ALT	Altered Mafic Volcanic	<b>4 FLECKS VG</b> ; Green/brown/smoky/white; FG; mod-str fol; mod-str banded chl/ser/qtz veinlets/bi; weak banded car/alb; 4 flecks VG/1% diss CPY; 2% blebby PO; 2% blebby PY
SZ-19-281	411.90	416.29	4.39	1B	Pillowed Flows	Green; FG; mod-str fol; mod per chl; mod chl areas of stronger banding closer to 1ALT texture; mod chl altered selvages up to 2cm; mod interstitial/banded bi; mod wispy ser banding; weak-mod car stringers; barren
SZ-19-281	416.29	418.49	2.20	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 2% phenos; mod-str banded/patchy alb; mod interstitial bi; trace ser flooding in alb; mod sil; weak qtz veinlets; 1% diss PY
SZ-19-281	418.49	439.95	21.46	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod chl altered selvages up to 2cm; mod interstitial/banded bi; mod wispy ser banding; weak-mod car stringers; weak-mod qtz veinlets; stronger qtz/ser banding/bleaching in first 50cm; contains minor 4B; barren
SZ-19-281	439.95	442.51	2.56	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 2% phenos; weak-mod banded/patchy alb; mod interstitial bi; weak-mod sil; weak-mod qtz veinlets; weak speckled chl/ser; barren
SZ-19-281	442.51	443.45	0.94	1B	Pillowed Flows	Green; FG; mod-str fol; mod per chl; mod chl areas of stronger banding closer to 1ALT texture; mod chl altered selvages up to 2cm; mod interstitial/banded bi; mod wispy ser banding; weak-mod car stringers; barren
SZ-19-281	443.45	445.00	1.55	4ALT	Altered Feldspar Porphyry	Purple/white; FG-MG; mod fol; 4% phenos; weak-mod banded/patchy alb; weak hydrothermal pressure fractures; mod interstitial bi; weak-mod sil; weak-mod qtz veinlets; weak speckled chl/ser; barren
SZ-19-281	445.00	505.14	60.14	1Z	Gabbroic with gradational contacts	Light/dark green; FG-CG; mod fol; alternates between areas of coarser grained textures and finer grained ones; weak lcl amygdules; 20% felsic groundmass in CG areas; weak-mod lcl chl altered selvages up to 3cm in some FG sections; mod per chl; mod interstitial bi; weak wispy car/alb/ser banding; mod qtz veinlets/veins; contains a minor 4E and 2 minors 4B; barren
SZ-19-281	505.14	525.28	20.14	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod-str interstitial bi; weak-mod qtz veinlets/clusters of qtz veinlets; weak-mod wispy ser banding; weak car bands; weak-mod chl altered selvages up to 3cm; barren
SZ-19-281	525.28	526.01	0.73	1ALT	Altered Mafic Volcanic	Green/brown/white; FG; mod fol; mod-str banded bi/chl/qtz veins; barren
SZ-19-281	526.01	547.04	21.03	1B	Pillowed Flows	Green; FG; mod fol; mod per chl; mod-str interstitial bi; weak-mod qtz veinlets/veins; weak-mod wispy ser banding; weak car stringers; weak-mod chl altered selvages up to 3cm; barren
SZ-19-281	547.04	548.18	1.14	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; 20% phenos; weak-mod alb banding; mod sil; mod interstitial bi; 0.5% diss PO
SZ-19-281	548.18	550.01	1.83	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod-str interstitial bi; weak qtz veinlets; weak-mod wispy ser banding; weak car stringers; weak chl altered selvages up to 3cm; barren
SZ-19-281	550.01	551.80	1.79	4B	Feldspar Porphyry	Purple; FG-MG; mod fol; 20% phenos; weak alb banding; mod sil; mod interstitial bi; weak-mod hydrothermal pressure fractures with weak ser flooding around them; 0.5% diss PO
SZ-19-281	551.80	555.00	3.20	1A	Massive Flows	Green; FG; mod fol; mod per chl; mod-str interstitial bi; weak qtz veinlets; weak-mod wispy ser banding; weak car stringers; weak chl altered selvages up to 3cm; barren

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-281		Actlabs	A19-09757	Assay	90.51	91.51	1.00	167133		14		
SZ-19-281		Actlabs	A19-09757	Assay	91.51	92.51	1.00	167134		13		
SZ-19-281		Actlabs	A19-09757	Assay	92.51	93.51	1.00	167135		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	296.00	296.70	0.70	167136		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	296.70	297.00	0.30	167137		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	297.00	297.40	0.40	167138		6		
SZ-19-281		Actlabs	A19-09757	Assay	330.40	331.42	1.02	167139		< 5		
SZ-19-281		Actlabs	A19-09757	Blank				167140		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	331.42	332.00	0.58	167141		48		
SZ-19-281		Actlabs	A19-09757	Assay	332.00	333.00	1.00	167142		22		
SZ-19-281		Actlabs	A19-09757	Assay	333.00	334.00	1.00	167143		22		
SZ-19-281		Actlabs	A19-09757	Assay	334.00	335.00	1.00	167144		39		
SZ-19-281		Actlabs	A19-09757	Assay	335.00	336.00	1.00	167145		7		
SZ-19-281		Actlabs	A19-09757	Assay	336.00	336.55	0.55	167146		5		
SZ-19-281		Actlabs	A19-09757	Assay	336.55	337.50	0.95	167147		6		
SZ-19-281		Actlabs	A19-09757	Assay	397.64	398.64	1.00	167148		6		
SZ-19-281		Actlabs	A19-09757	Assay	398.64	399.60	0.96	167149		6		
SZ-19-281		Actlabs	A19-09757	OREAS 216				167150		6630		
SZ-19-281		Actlabs	A19-09757	Assay	399.60	400.50	0.90	167151		17		
SZ-19-281		Actlabs	A19-09757	Assay	400.50	401.40	0.90	167152		8		
SZ-19-281		Actlabs	A19-09757	Assay	401.40	402.20	0.80	167153		14		
SZ-19-281		Actlabs	A19-09757	Assay	402.20	402.96	0.76	167154		15		
SZ-19-281		Actlabs	A19-09757	Assay	402.96	403.28	0.32	167155		51		
SZ-19-281		Actlabs	A19-09757	Assay	403.28	403.69	0.41	167156		59		
SZ-19-281		Actlabs	A19-09757	Assay	403.69	404.60	0.91	167157		35		
SZ-19-281		Actlabs	A19-09757	Assay	404.60	405.50	0.90	167158		14		
SZ-19-281		Actlabs	A19-09757	Assay	405.50	406.30	0.80	167159		12		
SZ-19-281		Actlabs	A19-09757	Blank				167160		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	406.30	407.11	0.81	167161		26		
SZ-19-281		Actlabs	A19-09757	Assay	407.11	408.13	1.02	167162		9		
SZ-19-281		Actlabs	A19-09757	Assay	408.13	409.00	0.87	167163		15		
SZ-19-281		Actlabs	A19-09757	Assay	409.00	409.80	0.80	167164		17		
SZ-19-281		Actlabs	A19-09757	Assay	409.80	410.65	0.85	167165		11		
SZ-19-281		Actlabs	A19-09757	Assay	410.65	411.54	0.89	167166		21		
SZ-19-281		Actlabs	A19-09757	Assay	411.54	411.90	0.36	167167		> 10000	22.7	21.5
SZ-19-281		Actlabs	A19-09757	Assay	411.90	412.80	0.90	167168		4600	4.41	
SZ-19-281		Actlabs	A19-09757	Assay	412.80	413.70	0.90	167169		16		
SZ-19-281		Actlabs	A19-09757	OREAS 215				167170		3550		
SZ-19-281		Actlabs	A19-09757	Assay	413.70	414.50	0.80	167171		10		
SZ-19-281		Actlabs	A19-09757	Assay	414.50	415.40	0.90	167172		8		
SZ-19-281		Actlabs	A19-09757	Assay	415.40	416.29	0.89	167173		7		
SZ-19-281		Actlabs	A19-09757	Assay	416.29	417.00	0.71	167174		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	417.00	417.80	0.80	167175		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	417.80	418.49	0.69	167176		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	418.49	419.49	1.00	167177		6		
SZ-19-281		Actlabs	A19-09757	Assay	438.71	439.01	0.30	167178		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	439.01	439.95	0.94	167179		7		
SZ-19-281		Actlabs	A19-09757	Blank				167180		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	439.95	440.70	0.75	167181		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	440.70	441.60	0.90	167182		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	441.60	442.51	0.91	167183		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	442.51	443.45	0.94	167184		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	443.45	444.20	0.75	167185		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	444.20	445.00	0.80	167186		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	445.00	446.00	1.00	167187		5		
SZ-19-281		Actlabs	A19-09757	Assay	463.92	464.92	1.00	167188		26		
SZ-19-281		Actlabs	A19-09757	Assay	464.92	465.31	0.39	167189		15		
SZ-19-281		Actlabs	A19-09757	OREAS 210				167190		5440		
SZ-19-281		Actlabs	A19-09757	Assay	465.31	466.00	0.69	167191		14		
SZ-19-281		Actlabs	A19-09757	Assay	466.00	466.51	0.51	167192		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	466.51	467.08	0.57	167193		< 5		
SZ-19-281		Actlabs	A19-09757	Assay	467.08	468.08	1.00	167194		< 5		

SZ-19-281	Actlabs	A19-09757	Assay	488.07	489.07	1.00	167195		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	489.07	489.92	0.85	167196		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	489.92	490.84	0.92	167197		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	490.84	491.73	0.89	167198		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	491.73	492.73	1.00	167199		< 5		
SZ-19-281	Actlabs	A19-09757	Blank				167200		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	492.73	493.03	0.30	167201		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	493.03	494.03	1.00	167202		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	524.28	525.28	1.00	167203		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	525.28	526.01	0.73	167204		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	526.01	527.01	1.00	167205		< 5		
SZ-19-281	Actlabs	A19-09757	Assay	527.01	528.01	1.00	167206		< 5		



Hole Number:

SZ-19-282

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					10/07/2019	14/07/2019	
<u>Planned Coordinates</u>		Azimuth:	45	Drill Contractor:	Foraco Canada Ltd		
Easting	646278.78						
Northing	5406530.39	Dip:	-58	Dates Logged:	Start Date:	End Date:	
Elevation(m)	436.16				10/07/2019	14/07/2019	
<u>Final Pick up</u>		Depth(m):	501.00	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	near mine exploration of sugar zone south	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	45.1	-59.4		Planned	52.6
		30.0	45.1	-59.4	5642	6m hex, 18	52.7
Results	No major zone intersected. Small qtz sampled near projected zones	60.0	45.9	-59.0	5627	6m hex, 18	53.5
		90.0	47.8	-58.4	5620	90m 6m st	55.4
		120.0	49.2	-57.1	5716	hi mag azir	53.1
		150.0	50.6	-56.3	5617	6m stand 1	58.2
		180.0	49.3	-56.9	5639	6m stand 1	56.9
		213.0	50.5	-54.9	5631	6m stand 1	58.1
		243.0	52.3	-53.5	5626	216m bit c	59.9
Comments		273.0	52.3	-53.5	5626	6m stand 1	59.9
		306.0	52.3	-52.6	5627	6m stand 1	59.9
		339.0	52.7	-52.0	5630	327m bit c	60.3
		369.0	53.4	-51.0	5651	clay seam	61
		399.0	53.9	-49.9	5626	387m bit c	61.5
		429.0	52.9	-49.1	5683	6m stand 1	60.5
		459.0	54.1	-47.7	5647	459 bit cha	61.7
Azimuth corrected to 7.6 degrees west declination							

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-282	0.00	5.00	5.00	CAS	Casing	
SZ-19-282	5.00	18.93	13.93	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	18.93	21.69	2.76	4E	Pegmatite	Coarse grained; pinkish white pegmatite. Coarse grained muscovite within large feldspars and qtz
SZ-19-282	21.69	24.86	3.17	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-282	24.86	78.88	54.02	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration. Unit is blocky from 36-48 and faulting visible at 37m
SZ-19-282	78.88	80.48	1.60	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-282	80.48	99.52	19.04	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	99.52	103.39	3.87	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	103.39	129.28	25.89	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	129.28	166.85	37.57	1Z	Gabbroic with gradational contacts	Fine to coarse grained ; green grey; gabbro. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Grains size is variable near contacts and has variable foliation throughout unit
SZ-19-282	166.85	170.25	3.40	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	170.25	201.36	31.11	1Z	Gabbroic with gradational contacts	Fine to coarse grained ; green grey; gabbro. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Grains size is variable near contacts and has variable foliation throughout unit
SZ-19-282	201.36	211.60	10.24	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	211.60	212.96	1.36	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-282	212.96	214.15	1.19	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	214.15	221.93	7.78	4E	Pegmatite	Coarse grained; pinkish white pegmatite. Coarse grained muscovite within large feldspars and qtz
SZ-19-282	221.93	231.42	9.49	6B	Gabbro	Fine to coarse grained ; green grey; gabbro. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Grains size is variable near contacts and has variable foliation throughout unit
SZ-19-282	231.42	239.25	7.83	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	239.25	241.19	1.94	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures

SZ-19-282	241.19	255.82	14.63	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	255.82	256.90	1.08	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is weakly pervasively silicified overprint some primary textures
SZ-19-282	256.90	269.17	12.27	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	269.17	270.60	1.43	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	270.60	301.37	30.77	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	301.37	306.00	4.63	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	306.00	326.23	20.23	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	326.23	329.47	3.24	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	329.47	341.71	12.24	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	341.71	343.02	1.31	1UT	Ultramafic Talc/Chlorite Altered	Fine grained; black grey green; ultramafics. No foliation; units shows weak-moderate magnetism. Soft rock with some visible fault gouge near top contact
SZ-19-282	343.02	355.42	12.40	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	355.42	357.09	1.67	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	357.09	378.21	21.12	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	378.21	380.18	1.97	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	380.18	403.29	23.11	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	403.29	405.60	2.31	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar pheons throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	405.60	413.10	7.50	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.



SZ-19-282	413.10	422.32	9.22	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and Qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	422.32	427.13	4.81	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	427.13	436.65	9.52	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and Qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	436.65	448.34	11.69	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	448.34	454.65	6.31	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and Qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit
SZ-19-282	454.65	455.67	1.02	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	455.67	464.02	8.35	1A	Massive Flows	Fine to medium grained; green grey; massive mafic flow. Moderate foliation. Majority composition is mafic minerals with occasional feldspars and Qtz carb stringers; minor interstitial biotite and wispy chlorite. Qtz carb stringers are approx. 2 % of unit. from 459-462 core is blocky and broken suggesting some faulting
SZ-19-282	464.02	497.30	33.28	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.
SZ-19-282	497.30	499.70	2.40	4B	Feldspar Porphyry	Fine to medium grained; purple grey feldspar porphyry; moderate foliation. Felsic groundmass with 5-10% feldspar phenos throughout unit. Pervasive purple biotite with black interstitial biotite. Weak albite banding unit is moderately pervasively silicified overprint some primary textures
SZ-19-282	499.70	501.00	1.30	1B	Pillowed Flows	fine grained; green grey pillowed mafic flow. Mafic minerals with occasional feldspars. moderate foliation. Minor interstitial biotite; minor Qtz veinlets. Wispy sericite. minor bands of garnets throughout unit. Qtz carb stringers make up 10% of unit. Pillow selvages have slight epidote alteration.

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-282		Actlabs	A19-09757	Assay	387.97	388.67	0.70	167122		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	388.67	389.00	0.33	167123		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	389.00	390.00	1.00	167124		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	390.00	391.00	1.00	167125		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	417.00	418.00	1.00	167126		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	418.00	419.00	1.00	167127		< 5		
SZ-19-282		Actlabs	A19-09757	Assay	419.00	420.00	1.00	167128		15		
SZ-19-282		Actlabs	A19-09757	Assay	463.01	464.01	1.00	167129		6		
SZ-19-282		Actlabs	A19-09757	OREAS 210				167130		5460		
SZ-19-282		Actlabs	A19-09757	Assay	464.01	465.00	0.99	167131		17		
SZ-19-282		Actlabs	A19-09757	Assay	465.00	465.93	0.93	167132		< 5		



<b>Hole Number:</b>	<b>SZ-19-283</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					Aug 28th 2019	Sept 3rd 2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	69	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646278.78					
<b>Northing</b>	5406530.39	<b>Dip:</b>	-72	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	436.16				Aug 29th 2019	Sept 3rd 2019
<u>Final Pick up</u>		<b>Depth(m):</b>	625.00	<b>Logger 1:</b>	Andrew Wehrfritz	
<b>Easting</b>				<b>Logger 2:</b>	Jordan Keir-Sage	
<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>	Exploration drilling of the Sugar Zone - South area.	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
		0.0	69.6	-71.6		Planned	76.6
<b>Results</b>		27.0	69.6	-71.6	5655	6m Hex. 18	77.2
		57.0	69.0	-71.2	5639	6m Hex. 18	76.6
		87.0	67.9	-70.7	5624	6m Hex. 18	75.5
		117.0	68.9	-76.5	5627	6m Hex. 18	76.5
		147.0	68.8	-69.5	5623	6m Hex. 18	76.4
		177.0	69.8	-68.7	5609	171m char	76.9
		207.0	70.8	-68.4	5630	6m Hex. 18	78.4
		237.0	68.6	-67.7	5642	6m Hex. 18	76.2
<b>Comments</b>	Andrew logged until 474	267.0	70.9	-67.5	5636	267m char	78.5
		297.0	71.6	-66.9	5623	6m Hex. 18	79.2
		327.0	71.0	-66.1	5625	6m Hex. 18	78.6
		357.0	68.9	-65.4	5606	6m Hex. 18	76.5
		387.0	73.8	-65.2	5643	6m Hex. 18	81.4
		417.0	73.1	-64.1	5639	6m Hex. 18	80.7
		447.0	73.3	-63.5	5617	426m char	80.9
		477.0	72.2	-62.6	5619	6m Hex. 18	79.8
<b>Azimuth corrected to 7.6 degrees west declination</b>		507.0	74.3	-62.6	5634	6m Hex. 18	81.9
		537.0	73.9	-61.6	5620	519m char	81.5
		567.0	72.1	-60.6	5622	6m Hex. 18	79.7
		597.0	74.0	-60.2	5631	6m Hex. 18	81.6
		624.0	75.0	-59.6	5625	6m Hex. 18	82.6

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-19-283	0.00	6.76	6.76	CAS	Casing	
SZ-19-283	6.76	18.35	11.59	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. High degree of natural fracturing in the top 5 meters of unit (approx. 5+ fractures/ meter) associated with green alteration (epidote?).
SZ-19-283	18.35	22.14	3.79	4E	Pegmatite	cg; grey to white; felsic unit composed predominately of grey feldspar porphyry with lesser amounts of Smokey quartz and muscovite. High degree of fracturing (20+) from 20.8 to 21m.
SZ-19-283	22.14	23.32	1.18	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	23.32	28.21	4.89	4B	Feldspar Porphyry	fg to mg; grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit as well.
SZ-19-283	28.21	44.50	16.29	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Series of calcite veinlets/stringers from 28.21 to 32m.
SZ-19-283	44.50	46.67	2.17	4B	Feldspar Porphyry	fg to mg; grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of black biotite. Groundmass contains moderately strained and elongated millimetric white feldspar phenocrysts. Minor thin albite wisps speckled with biotite intermittently throughout the unit.
SZ-19-283	46.67	91.45	44.78	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Narrow pink Granite/pegmatite intrusions from 55.8 to 56m and 60.63 to 60.85. Increased epidote and biotite banding from 72.5 to 75m; producing a highly banded texture in this interval ( border line 1ALT in this sections).
SZ-19-283	91.45	92.64	1.19	6E	Intermediate Dyke	fg to mg dark grey intermediate unit with a massive texture and a slight purple hue. Unit is composed of equal parts biotite; feldspar and mafic minerals. Potentially feldspar porphyry unit with difficult to see phenocrysts. Unit has a massive texture overall; with some sections containing some minor amounts of biotite banding.
SZ-19-283	92.64	98.64	6.00	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	98.64	103.18	4.54	4B	Feldspar Porphyry	fg ; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains occasional highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps speckled with biotite observed throughout. <<1% sulphides stringers.
SZ-19-283	103.18	119.04	15.86	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Feldspar porphyry minor unit from 111.95 to 112.25m.
SZ-19-283	119.04	120.42	1.38	4B	Feldspar Porphyry	fg ; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains occasional highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps speckled with biotite observed throughout. <<1% sulphides stringers.
SZ-19-283	120.42	158.37	37.95	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. White quartz vein from 150.2 to 150.5 containing up to 2% po stringers. Series of calcite stringers at 156 to 156.15m. Grain size begins to gradationally coarsen at 156m.
SZ-19-283	158.37	217.45	59.08	1Z	Gabbroic with gradational contacts	fg to cg; dark grey to dark green unit with a massive texture Unit is composed primarily of mafic with a minor foliation intensity. Finer grained feldspar and mafic surround coarser grained mafic minerals. Minor amount of biotite alteration interstitially. Gradational upper and lower contacts.


SZ-19-283	217.45	248.35	30.90	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. occasional dark green pillow selvage band associated with light green alteration. Calcite/qtz stringers; wisps sporadically throughout. Disseminated biotite in sections. Increased frequency of fracturing from 233 to 234 (approx. 5 fractures/m). Unit appears gabbroic in sections.
SZ-19-283	248.35	251.78	3.43	1Z	Gabbroic with gradational contacts	fg to cg; dark grey to dark green unit with a massive texture. Unit is composed primarily of a finer grained feldspar/mafic ground mass surrounded by coarser grained mafic minerals. Minor amount of biotite alteration interstitially. Gradational upper and lower contacts.
SZ-19-283	251.78	253.48	1.70	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Unit appears gabbroic in areas with finer grained groundmass composed of feldspar and mafic surrounding some coarser mafic. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	253.48	254.85	1.37	4B	Feldspar Porphyry	fg ; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps speckled with biotite observed throughout.
SZ-19-283	254.85	280.12	25.27	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Unit appears gabbroic in areas with finer grained groundmass composed of feldspar and mafic surrounding some coarser mafic. Calcite/qtz stringers; wisps sporadically throughout. Narrow green alteration band at 267.9 (2 cm wide) with blebby po and py. Two narrow sections of granodiorite at 279.8.
SZ-19-283	280.12	285.90	5.78	1Z	Gabbroic with gradational contacts	fg to cg; dark grey to dark green unit with a massive texture. Unit is composed primarily of a finer grained feldspar/mafic ground mass surrounded by coarser grained mafic minerals. Minor amount of biotite alteration interstitially. Gradational upper and lower contacts.
SZ-19-283	285.90	303.00	17.10	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Unit appears gabbroic in areas with finer grained groundmass composed of feldspar and mafic surrounding some coarser mafic. Calcite/qtz stringers; wisps sporadically throughout. Two narrow sections of coarse white granodiorite at 289m.
SZ-19-283	303.00	304.50	1.50	4B	Feldspar Porphyry	fg ; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains occasional highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps speckled with biotite observed throughout.
SZ-19-283	304.50	311.07	6.57	1U	Ultramafic Flows	fg to mg; dark green mafic unit with a massive texture and high degree of chlorite alteration. Alteration is associated with moderate magnetic properties. Unit appears gabbroic in areas with finer grained groundmass composed of mafic surrounding some coarser mafic. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	311.07	324.16	13.09	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Over unit is composed of fine grained groundmass composed of feldspar and mafic surrounded by medium grained mafic. Calcite/qtz stringers; wisps sporadically throughout. Narrow 2 cm wide section of white pegmatite runs parallel to core axis from 319m to 319.65m and contains ~1% blebby mo. Smokey quartz vein from 320.25m to 320.5m with <1% blebby sulphides; and smokey quartz vein from 320.65m to 320.71m associated with ~3% blebby po; py; and cpy. Small section of feldspar porphyry from 320.5 to 320.65 associated with disseminated sulphides as well.
SZ-19-283	324.16	325.75	1.59	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps intermittently associated with muscovite produce a banded texture in areas.
SZ-19-283	325.75	333.90	8.15	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	333.90	336.53	2.63	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. 1mm to 5mm wide albite wisps intermittently associated with muscovite produce a banded texture in areas.
SZ-19-283	336.53	342.40	5.87	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-10% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.

SZ-19-283	342.40	362.40	20.00	1A	Massive Flows	fg to mg; dark green to grey mafic unit with a massive texture and high degree of chlorite alteration. Alteration is associated with moderate magnetic properties (ultra mafic?). Calcite/qtz stringers and wisps sporadically throughout.
SZ-19-283	362.40	370.00	7.60	1UT	Ultramafic Talc/Chlorite Altered	fg; grey mafic unit with a massive texture and high degree of chlorite/talc alteration. Alteration is associated with moderate to high magnetic properties.
SZ-19-283	370.00	382.75	12.75	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Narrow section of feldspar porphyry from 372.20 to 372.40m and 374.12 to 374.80m.
SZ-19-283	382.75	384.68	1.93	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. Intermittent 1mm to 5mm wide albite wisps with speckled biotite.
SZ-19-283	384.68	400.00	15.32	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	400.00	424.16	24.16	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Calcite/qtz stringers; wisps sporadically throughout. Narrow sections (10-15 cm wide) of granodiorite and pegmatite sporadically throughout the unit. Section of mechanically broken core from 413.4 to 414m. Fault with fault gauge from 422.4 to 422.52m.
SZ-19-283	424.16	427.12	2.96	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts. Section pillowed mafic flow from 426.07 to 426.24m.
SZ-19-283	427.12	427.45	0.33	1ALT	Altered Mafic Volcanic	fg; dark grey to dark green mafic unit with a banded texture. Alternating thin bands of light green chlorite/epidote; with darker biotite bands and dark green mafic. Smokey quartz stringers throughout the unit and Approximately 3% disseminated sulphides.
SZ-19-283	427.45	456.00	28.55	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Quartz vein from 439.13 to 439.9 associated with <1% disseminated sulphides along the outer boundaries. Approximately 1% sulphides in the 15 cm surrounding both sides of the quartz vein. Intermediate dyke from 449.96 to 450.19m.
SZ-19-283	456.00	457.56	1.56	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts.
SZ-19-283	457.56	475.03	17.47	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout. Narrow section of feldspar porphyry from 464.8 to 465.13.
SZ-19-283	475.03	476.56	1.53	4ALT	Altered Feldspar Porphyry	Purple/white/green; FG; mod fol; mod interstitial bi; mod sil; mod-str alb banding; mod hydrothermal pressure fractures with weak ser flooding; weak-mod ser stringers; mod chl stringers; contains some small 1ALT units; trace PO/PY
SZ-19-283	476.56	489.84	13.28	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	489.84	492.61	2.77	4B	Feldspar Porphyry	fg to mg; grey unit with a purple hue. Predominately a fg silicified groundmass with lesser amounts of black biotite and muscovite disseminated throughout. Groundmass contains moderately to highly strained and elongated millimetric white feldspar phenocrysts.
SZ-19-283	492.61	497.55	4.94	1A	Massive Flows	fg to mg; dark grey to dark green mafic unit with a massive texture. Occasional dark green pillow selvage bands associated with light green alteration and disseminated biotite in sections. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	497.55	511.41	13.86	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	511.41	515.10	3.69	4E	Pegmatite	White/green; CG; weak fol; mod shearing; unit is mostly white feldspar with large qtz patches that has been sheared; mod chl/bi stringers;

SZ-19-283	515.10	520.88	5.78	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	520.88	525.01	4.13	4E	Pegmatite	White/green; CG; weak fol; mod shearing; unit is mostly white feldspar with large qtz patches that has been sheared; mod chl/bi stringers;
SZ-19-283	525.01	566.51	41.50	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	566.51	568.04	1.53	4E	Pegmatite	White/green; CG; weak fol; mod shearing; unit is mostly white feldspar with large qtz patches that has been sheared; mod chl/bi stringers;
SZ-19-283	568.04	569.20	1.16	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.
SZ-19-283	569.20	572.48	3.28	4E	Pegmatite	White/green; CG; weak fol; mod shearing; unit is mostly white feldspar with large qtz patches that has been sheared; mod chl/bi stringers;
SZ-19-283	572.48	625.00	52.52	1B	Pillowed Flows	fg; dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide dark green pillow selvage bands associated with light green alteration bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers; wisps sporadically throughout.

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	149.20	150.20	1.00	167372		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	150.20	150.50	0.30	167373		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	150.50	151.50	1.00	167374		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	318.00	319.00	1.00	167375		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	319.00	319.85	0.85	167376		65		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	319.85	320.25	0.40	167377		5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	320.25	320.81	0.56	167378		19		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	320.81	321.45	0.64	167379		5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Blank				167380		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	426.24	427.12	0.88	167381		13		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	427.12	427.45	0.33	167382		232		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	427.45	428.00	0.55	167383		47		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	436.50	437.22	0.72	167384		60		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	437.22	438.18	0.96	167385		55		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	438.18	438.57	0.39	167386		30		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	438.57	439.13	0.56	167387		817		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	439.13	439.90	0.77	167388		328		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	439.90	440.60	0.70	167389		148		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	OREAS 216				167390		6810		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	440.60	441.60	1.00	167391		40		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	473.03	474.03	1.00	167392		9		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	474.03	475.03	1.00	167393		11		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	475.03	476.00	0.97	167394		7		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	476.00	476.56	0.56	167395		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	476.56	477.56	1.00	167396		7		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	477.56	478.56	1.00	167397		8		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	501.08	502.08	1.00	167398		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	502.08	503.08	1.00	167399		13		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Blank				167400		< 5		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	503.08	503.89	0.81	167401		257		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	503.89	504.89	1.00	167402		6		
SZ-19-283	Sugar Zone	Actlabs	A19-12148	Assay	504.89	505.89	1.00	167403		< 5		



		Hole Number:	WZ-18-211						
		Drill Rig:	Drill 20						
		Claim Number:							
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:			
Surface				26-Nov-2018	16-Jan-2019				
Planned Coordinates		Azimuth:	40	Drill Contractor:	Foraco Canada Ltd				
Easting	645191								
Northing	5407575	Dip:	-81	Dates Logged:	Start Date:	End Date:			
Elevation(m)	406.69				27-Nov-2018	17-Jan-2019			
Final Pick up		Depth(m):	1645.29	Logger 1:	Josh Zundl				
Easting				Logger 2:	Sarah Davis				
Northing				Logger 3:					
Elevation(m)		Core Size:	NQ	Assay Lab:	Actlabs				
Casing									
Purpose of Hole	Middle Zone deep exploration	Dip Tests							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Results	Area of interest from 235.59-252.69m with altered sediments containing chert and pyrrhotite. Possible zone found from 851.70-863.90m with altered feldspar porphyry found throughout section that did not appear to have mineralization but	0.0	42.8	-83.3			47.6		
		21.0	42.8	-83.3	5647	6m hex; 18	50.4		
		51.0	39.5	-83.0	5612		47.1		
		81.0	37.4	-83.0	5606		45		
		111.0	40.6	-82.9	5598		48.2		
		141.0	38.1	-82.9	5602		45.7		
		171.0	41.0	-82.7	5651	at 171m 6m	48.6		
Comments		201.0	40.8	-82.3	5606		48.4		
		231.0	39.8	-82.5	5600		47.4		
		261.0	41.8	-82.3	5603	6m standa	49.4		
		291.0	39.6	-82.2	5605	6m standa	47.2		
		321.0	36.8	-82.2	5597	at 315m bi	44.4		
		351.0	40.1	-82.2	5602	6m standa	47.7		
		381.0	40.0	-82.0	5596	6m standa	47.6		
		411.0	38.0	-82.1	5587		45.6		
		441.0	41.5	-82.1	5589		49.1		
		Azimuth corrected to 7.6 degrees west declination		471.0	37.9	-81.8	5602	6m standa	45.5
				522.0	38.0	-81.5	5603	at 483m 6m	45.6
				552.0	41.6	-80.4	5608		49.2
				582.0	41.2	-80.1	5601		48.8
				612.0	40.9	-79.9	5603	6m standa	48.5
				642.0	39.6	-79.5	5592		47.2
				672.0	42.6	-78.3	5604	6m standa	50.2
		702.0	40.7	-77.8	5611	6m standa	48.3		
		732.0	42.6	-77.4	5602		50.2		
		762.0	44.9	-77.1	5586	6m standa	52.5		
		792.0	46.3	-76.6	5595	6m standa	53.9		
		824.0	53.3	-68.8	5580	wedged at	60.9		
		839.0	58.5	-65.9	5607	at 836 6m	66.1		
		869.0	62.6	-64.8	5694		70.2		
		900.0	63.4	-65.0	5702	at 879m 6m	71		
		930.0	61.0	-64.9	5561		68.6		
		960.0	60.4	-64.2	5620		68		
		990.0	62.2	-64.0	5598	987m char	69.8		
		1020.0	62.6	-63.6	5605	6m hex; 18	70.2		
		1050.0	61.5	-63.6	5633	6m hex; 18	69.1		
		1080.0	62.0	-63.4	5615	6m hex; 18	69.6		
		1110.0	61.8	-63.1	5615	6m hex; 18	69.4		
		1140.0	62.1	-62.9	5604	6m hex; 18	69.7		
		1170.0	63.6	-62.5	5617	1161m cha	71.2		
		1200.0	62.8	-62.0	5641		70.4		
		1230.0	63.0	-61.8	5663	6m hex; 18	70.6		
		1260.0	63.4	-61.2	5592	mag az 66	73.9		
		1290.0	63.8	-60.8	5600		71.4		
		1320.0	64.2	-60.6	5597	6m hex; 18	71.8		
		1350.0	68.5	-60.2	5665	at 1356m 6m	76.1		
		1380.0	63.0	-60.4	5630	6m standa	70.6		
		1410.0	65.4	-60.2	5603	6m standa	73		
		1440.0	65.0	-59.6	5613	6m standa	72.6		
		1470.0	69.8	-59.6	5634	6m standa	77.4		
		1500.0	69.5	-59.9	5608	6m standa	77.1		
		1530.0	70.0	-59.0	5603	6m standa	77.6		
		1560.0	70.3	-59.4	5609	6m standa	77.9		
		1590.0	69.2	-59.5	5601	6m standa	76.8		
		1620.0	71.0	-58.6	5603	1608 bit cf	78.6		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-211	0.00	0.45	0.45	CAS	Casing	
WZ-18-211	0.45	15.54	15.09	6B	Gabbro	Dark green/grey; FG-MG; weak fol; weak disseminated bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	15.54	16.88	1.34	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 20% phenos; weak disseminated bi; mod sil; barren
WZ-18-211	16.88	20.42	3.54	6B	Gabbro	Dark green/grey; FG-MG; mod fol; weak shearing present; weak-mod disseminated/stringer bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	20.42	22.44	2.02	4B	Feldspar Porphyry	Medium purple/grey; weak-str fol; FG-MG; 5% phenos; mod shearing through majority of unit; mod disseminated bi creating stringers from shearing; mod sil; barren
WZ-18-211	22.44	40.16	17.72	6B	Gabbro	Dark green/grey; FG-CG; weak-str fol; mod shearing present in 1m section around the 26m mark & str shearing from 28m-34m; weak-mod disseminated/stringer bi; mod pervasive chl; chl becomes stringer texture in area of high shearing; weak qtz-car patches/bands; weak ser bleaching; 34m-40m grains overprinted by strong chl alteration; grain boundary creep; barren
WZ-18-211	40.16	42.24	2.08	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 25% phenos; weak disseminated bi; trace alb banding; mod sil; 10cm fault with gauge at 41.3m from gabbro minor; barren
WZ-18-211	42.24	53.03	10.79	6B	Gabbro	Dark green/grey; FG-MG; mod-str fol; mod-str shearing with patches of weak shearing; weak disseminated/stringer bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	53.03	56.41	3.38	4B	Feldspar Porphyry	Medium purple/grey; str fol; FG-MG; 10% phenos; heavy shearing; mod disseminated bi elongated due to shearing; mod sil; weak-mod ser flooding; barren
WZ-18-211	56.41	67.88	11.47	6B	Gabbro	Dark green/grey; FG-MG; weak fol; weak disseminated/stringer bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	67.88	69.52	1.64	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 15% phenos; weak disseminated bi; mod sil; barren
WZ-18-211	69.52	74.19	4.67	6B	Gabbro	Dark green/grey; FG-MG; weak-mod fol; zones of weak shearing; weak disseminated/stringer bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	74.19	75.78	1.59	1A	Massive Flows	Dark green/grey; FG; weak fol; weak disseminated bi; Contains 30% 4B (light purp/grey; 15% phenos) with brecciated contacts between them; barren
WZ-18-211	75.78	94.74	18.96	6B	Gabbro	Dark green/grey; FG-MG; weak-mod fol; zones of mod shearing; weak disseminated/stringer bi; mod pervasive chl; weak qtz-car patches/bands; barren
WZ-18-211	94.74	102.10	7.36	4B	Feldspar Porphyry	Light/Medium purple/grey; weak fol; FG-MG; 20% phenos; weak disseminated bi; mod sil; mod-str flooded/stringer fuchsite; 20% of phenos=k-spar altered; barren
WZ-18-211	102.10	108.65	6.55	6B	Gabbro	Dark green/grey; FG-MG (str grain size reduction); str fol; str disseminated/stringer bi; str pervasive/stringer chl; str ser flooding; heavily altered; possible debris flow?; mod crenulation; barren
WZ-18-211	108.65	135.88	27.23	4B	Feldspar Porphyry	Light/Medium purple/grey; weak-str fol; FG-MG; 20% phenos; weak disseminated bi; weak sil; trace flooded/stringer fuchsite; 2% sye flooding/stringer; weak flooded ser; mod shearing from 118.75-120.78m; contains 1 minor of less altered 4B and 6 minors 6B; 5% of phenos=k-spar altered; around 127m mark it becomes very similar to Diorite and could be considered either unit; barren
WZ-18-211	135.88	146.88	11.00	6B	Gabbro	Dark grey/blue/green; FG-very CG(str grain size reduction); weak-mod fol; weak shearing - 15% areas of mod shearing; weak pervasive chl; weak-mod mica crenulation around larger grains - stronger in areas of stronger shearing; weak car/chl/bi/ser banding/bleaching/patches; barren
WZ-18-211	146.88	150.11	3.23	4B	Feldspar Porphyry	Medium grey/barely purple; mod fol; FG-MG; 20% phenos; mod disseminated bi; weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	150.11	179.05	28.94	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); weak-mod fol; weak shearing - 10% areas of mod shearing; weak pervasive chl; weak-str mica crenulation around larger grains - stronger in areas of stronger shearing and especially replacement; weak car/chl/bi/ser banding/bleaching/patches; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-18-211	179.05	180.12	1.07	4B	Feldspar Porphyry	Medium grey/barely purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	180.12	196.13	16.01	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); weak-mod fol; weak shearing - 5% areas of mod shearing; weak pervasive chl; mod mica crenulation around larger grains; weak car/chl/bi/ser banding/bleaching/patches; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-18-211	196.13	198.20	2.07	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 20% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren

WZ-18-211	198.20	201.00	2.80	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); mod fol; weak shearing; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-18-211	201.00	203.24	2.24	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; no-weak sil; weak flooded ser; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	203.24	206.48	3.24	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); mod fol; weak shearing; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-18-211	206.48	207.45	0.97	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	207.45	214.80	7.35	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-18-211	214.80	215.83	1.03	6E	Intermediate Dyke	white/grey/black; mod fol; FG-MG; parent phenos replaced with str interstitial bi; barren
WZ-18-211	215.83	218.43	2.60	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-18-211	218.43	219.55	1.12	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 25% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	219.55	224.79	5.24	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-18-211	224.79	229.71	4.92	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 25% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	229.71	233.40	3.69	6B	Gabbro	Dark grey/blue/green; FG-MG; weak fol; weak pervasive chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-18-211	233.40	235.59	2.19	6E	Intermediate Dyke	white/grey/black; mod fol; FG-MG; parent phenos replaced with str interstitial bi; barren
WZ-18-211	235.59	238.16	2.57	3ALT	Altered Sediments	white/green/grey/brown; FG; weak-str fol; boudinaged car/ser bands; mod bi/chl/ser bleaching/banding; very str local bi banding; contains 10cm section of str sil banded chert; barren
WZ-18-211	238.16	239.43	1.27	6E	Intermediate Dyke	white/grey; mod fol; FG; 5% blebby band-filling PO; car/cal banding/bleaching; weak/overprinted sil
WZ-18-211	239.43	241.16	1.73	3D	Iron Formation	white/grey; mod fol; FG; 5% blebby band-filling PO; car/cal banding/bleaching; wispy chl/ser bands
WZ-18-211	241.16	243.97	2.81	3ALT	Altered Sediments	white/green/grey/pink/brown; FG; mod fol; boudinaged car/ser bands; mod bi/chl/ser bleaching/banding; 5% blebby band-filling PO; trace CPY; 8% garnet appearing very strongly in local band-patterns
WZ-18-211	243.97	252.69	8.72	3D	Iron Formation	white/grey; mod fol; FG; 5% blebby band-filling PO; mod car/cal/bi banding/bleaching; 1% garnets - spotted locally; weak car patches
WZ-18-211	252.69	259.80	7.11	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod ser/chl/ser banding/bleaching; trace lcl boudinage; weak pervasive chl; barren
WZ-18-211	259.80	260.89	1.09	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; weak shearing; FG-MG; 10% phenos; mod disseminated bi elongated by shearing; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	260.89	270.10	9.21	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod ser/chl/ser banding/bleaching; weak pervasive chl; barren
WZ-18-211	270.10	273.84	3.74	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 10% phenos; no-weak sil; mod chl/bi stockwork; qtz flooding in several bands throughout; weak alb banding barren
WZ-18-211	273.84	282.90	9.06	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod-str ser/chl/ser banding/bleaching; trace lcl boudinage; weak pervasive chl; barren
WZ-18-211	282.90	284.19	1.29	6E	Intermediate Dyke	grey/brown; FG; mod fol; boudinaged car/ser bands; very str local bi banding; contains 15cm section of str bands chl/car/ser/act; barren
WZ-18-211	284.19	288.19	4.00	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; mod diss/banded bi; mod ser/chl/ser banding/bleaching; weak pervasive chl; barren
WZ-18-211	288.19	289.63	1.44	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; weak shearing; FG-MG; 10% phenos; mod disseminated bi elongated by shearing; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-18-211	289.63	299.76	10.13	1B	Pillowed Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; str ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; barren
WZ-18-211	299.76	300.81	1.05	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; FG-MG; 20% phenos; mod disseminated bi slightly elongated due to foliation; no-weak sil; barren
WZ-18-211	300.81	305.52	4.71	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak bi banding; mod wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; barren
WZ-18-211	305.52	314.29	8.77	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss/banded bi; trace ser/chl/ser banding/bleaching; mod pervasive chl; barren

WZ-18-211	314.29	319.31	5.02	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak diss/banded bi; mod wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; contains 20cm unit of k-spar 4E; barren
WZ-18-211	319.31	320.89	1.58	6B	Gabbro	Dark grey/blue/green; FG-MG; weak fol; weak pervasive chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-18-211	320.89	335.48	14.59	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss/banded bi; weak-mod ser/chl/ser banding/bleaching; mod pervasive chl; barren
WZ-18-211	335.48	342.48	7.00	1B	Pillowed Flows	medium green/grey; mod-str fol; FG; str diss/banded bi - bands up to 3cm wide; str wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; contains 1 minor 4B; barren
WZ-18-211	342.48	354.70	12.22	4B	Feldspar Porphyry	Light/Medium grey/purple; mod fol; FG-MG; 5% phenos; mod sil; mod alb banding; mod ser flooding and hydrothermal pressure-fracture filling; contains a minor of 1A as well as a 20cm section that looks like a car/cal vein that has been heavily altered by bi stringers that run through the entire vein - composing about 50%; barren
WZ-18-211	354.70	369.55	14.85	1B	Pillowed Flows	medium green/grey; mod fol; FG; mod diss/banded bi; mod wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; mod chl altered selvages; barren. Contains a minor of 4B and 6B and a section from 367.23-368.22m that is almost entirely bleached with ser/act/car/bi with almost no green chl colour visible.
WZ-18-211	369.55	377.69	8.14	1A	Massive Flows	Dark green/grey; weak fol; FG; mod diss/banded bi; weak-mod ser/chl/ser banding/bleaching; mod pervasive chl; contains a qtz vein; trace blebby PO
WZ-18-211	377.69	404.58	26.89	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; weak wispy ser/chl/ser banding/bleaching/patches; trace grt found in small car vein; mod pervasive chl; infrequent pillowing - up to 1m apart - pillow selvages up to 5cm thick; trace PO. Contains 4 minors 6A; 2 minor 5B; 1 minor 4B
WZ-18-211	404.58	406.70	2.12	6E	Intermediate Dyke	grey/brown; FG; mod fol; mod-str diss bi elongated by fol; weak qtz/car veinlets; barren
WZ-18-211	406.70	409.06	2.36	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; mod-str wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; pillow selvages up to 5cm thick; trace PO. Upper contact is 5cm area of pure bi/chl
WZ-18-211	409.06	414.06	5.00	6A	Diorite	Dark green/grey; weak fol; FG-CG; unit is 50% altered Diorite and 50% 1A. 6A half is more CG with most of the mafic minerals replaced with large grains of chl - making it the same colour as the 1A; felsic minerals and remaining mafics are FG. 1A unit has trace PO; weak car/ser bleaching and patching; weak chl/car hairline fractures
WZ-18-211	414.06	418.50	4.44	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; mod-str wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; pillow selvages up to 3cm thick; barren
WZ-18-211	418.50	419.70	1.20	1A	Massive Flows	Dark green/grey; weak fol; FG-MG; mod diss/stringer bi; mod pervasive chl; speckled with FG felsic minerals; barren
WZ-18-211	419.70	423.41	3.71	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; weak-mod car/cal hairline fractures; mod pervasive chl; barren
WZ-18-211	423.41	456.12	32.71	1A	Massive Flows	Dark green/grey; weak fol; FG-CG; mod diss bi/chl creating CG; trace larger bands of bi; upper contact has brecciated section of banded bi/altered diorite/chl bands; mod pervasive chl; contains several car/qtz veinlets; barren. Contains a qtz vein and several 10-15cm 5B sections.
WZ-18-211	456.12	458.42	2.30	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; weak car/cal hairline fractures; weak ser/chl/ser banding/bleaching; mod pervasive chl; barren
WZ-18-211	458.42	463.89	5.47	1A	Massive Flows	Dark green/grey; weak fol; FG-CG; mod diss bi/chl creating CG; trace larger bands of bi; contains 15% very FG felsic minerals throughout; barren
WZ-18-211	463.89	470.43	6.54	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; weak wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; infrequent pillowing - up to 1m apart - pillow selvages up to 2cm thick; weak sil; barren
WZ-18-211	470.43	486.82	16.39	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; str car/cal hairline fractures; trace ser/chl/ser banding/bleaching; mod pervasive chl; mod sil; barren
WZ-18-211	486.82	490.65	3.83	FZ	Fault Zone	25cm 3D w/ 5% sulphides at upper contact; mostly competent core w/ discrete str faults; one zone has very strong fault gouge; str chl/talc; mod sil; weak to no hairline fracturing throughout; trace sulphides
WZ-18-211	490.65	520.46	29.81	1A	Massive Flows	Dark green/black/grey; weak fol; FG-MG; weak diss bi; str crb/cal hairline fractures; trace ser/chl/ser banding/bleaching; mod pervasive chl; mod sil; barren
WZ-18-211	520.46	536.00	15.54	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	536.00	537.28	1.28	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; mod diss msc; str chl/bi halos; barren
WZ-18-211	537.28	542.46	5.18	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	542.46	544.15	1.69	4B	Feldspar Porphyry	Medium-dark purple/grey; FG-MG; 5% mod corroded fsp phenos; mod interstitial bi; weak sil; barren
WZ-18-211	544.15	547.25	3.10	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	547.25	548.60	1.35	6E	Intermediate Dyke	Medium-dark purple/grey; FG; mod interstitial bi; weak sil; barren
WZ-18-211	548.60	557.60	9.00	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and crb veinlets; barren

WZ-18-211	557.60	566.40	8.80	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; mod stringer wispy ser bleaching; trace stringer qtz; mod chl; barren; w/ minor 3D w/ 5-10% lcl PY and PO
WZ-18-211	566.40	598.90	32.50	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	598.90	602.63	3.73	1A	Massive Flows	Light green beige grey; FG; str mottled/alt'n; str act/ser/bi/calcite; 5% blebby PO; str apatite
WZ-18-211	602.63	611.50	8.87	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; qtz veins in lower 1m w/ stronger alt'n banding; barren
WZ-18-211	611.50	613.53	2.03	4F	Felsic Dyke	White and grey; possibly 5B but MG w/ str wispy and cloudy mafics; amph/bi; mod qtz patches; barren
WZ-18-211	613.53	659.79	46.26	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	659.79	662.16	2.37	QV	Quartz Vein	Less than half the core; longitudinal; white bull qtz; wispy irregular contacts; mod rafted host/chl; barren
WZ-18-211	662.16	704.55	42.39	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	704.55	706.30	1.75	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 35% MG mod corroded and elongated fsp phenos; mod interstitial bi; mod fol; barren
WZ-18-211	706.30	735.21	28.91	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-MG; gradational; mod chl; trace qtz and crb veinlets; 5% 5B less than 25cm; barren
WZ-18-211	735.21	751.10	15.89	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	751.10	752.75	1.65	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; mod diss msc; 2% qtz veinlets; barren
WZ-18-211	752.75	796.44	43.69	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	796.44	797.66	1.22	5B	Granodiorite	White/grey; FG-MG; wispy/patchy bi/amph; mod patchy qtz flooding/banding; barren
WZ-18-211	797.66	804.00	6.34	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	804.00	810.00	6.00	4B	Feldspar Porphyry	Medium-dark purple brown grey; FG w/ MG mod corroded and elongated fsp phenos up to 20%; mod to str interstitial bi; weak wispy ser bleaching; weak sil; barren
WZ-18-211	810.00	817.56	7.56	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-18-211	817.56	825.50	7.94	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-MG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	825.50	826.64	1.14	6E	Intermediate Dyke	Medium-dark purple brown grey; FG w/ MG mod corroded and elongated chl replaced fsp phenos? up to 5%; mod to str interstitial bi; weak wispy ser bleaching; weak sil; barren
WZ-18-211	826.64	828.50	1.86	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-MG; gradational; mod chl; trace qtz and crb veinlets; barren
WZ-18-211	828.50	832.70	4.20	6E	Intermediate Dyke	Medium-dark purple brown grey; FG w/ MG mod corroded and elongated chl replaced fsp phenos? up to 5%; mod to str interstitial bi; weak wispy ser bleaching; weak sil; barren
WZ-18-211	832.70	841.37	8.67	6B	Gabbro	Dark green grey; mod fol; weak chl; mod pervasive bi; lcl str sheared and banded 6E; minor QV barren; barren
WZ-18-211	841.37	850.17	8.80	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; mod patchy and banded bleaching; minor 6E; barren
WZ-18-211	850.17	851.70	1.53	1B	Pillowed Flows	Medium green grey; FG; mod fol; str banded bi; mod banded chl altd selvages; trace banded bleaching; barren
WZ-18-211	851.70	854.24	2.54	4ALT	Altered Feldspar Porphyry	Medium-dark purple; weak interstitial bi; str sil; tracec banded ser alt'n halos on hairline fracture; trace diss msn; barren
WZ-18-211	854.24	854.84	0.60	QV	Quartz Vein	Dark purple grey; mod banded bi; str sil flooding; 5-8% stringer banded sulphides
WZ-18-211	854.84	855.14	0.30	4ALT	Altered Feldspar Porphyry	Medium-dark purple; weak interstitial bi; str sil; tracec banded ser alt'n halos on hairline fracture; trace diss msn; barren
WZ-18-211	855.14	858.85	3.71	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; mod patchy and banded bleaching; barren
WZ-18-211	858.85	860.85	2.00	4ALT	Altered Feldspar Porphyry	Medium-dark purple; weak interstitial bi; str sil; tracec banded ser alt'n halos on hairline fracture; trace diss msn; str irregular contact at lower w/ irregular qtz dyklet barren; barren
WZ-18-211	860.85	862.30	1.45	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; str patchy and banded bleaching; barren
WZ-18-211	862.30	863.90	1.60	4ALT	Altered Feldspar Porphyry	Dark grey purplish; FG; str sil; mod banded bi; 10cm 3D; barren
WZ-18-211	863.90	880.98	17.08	1A	Massive Flows	Dark grey green; FG-MG; mod fol; str banded wispy bleached cal/crb/bi; trace banded qtz; barren
WZ-18-211	880.98	882.60	1.62	6E	Intermediate Dyke	Dark grey; FG; weak fol; weak sil; barren

WZ-18-211	882.60	885.90	3.30	1Z	Gabbroic with gradational contacts	Dark green grey; mod fol; FG-MG; mod chl; mod interstitial bi; weak banded bleaching; barren
WZ-18-211	885.90	889.33	3.43	4E	Pegmatite	White yellow grey pink; FG-CG; str diss msc and bi; str iron staining; str potassic alt'n near lower; strong smokey qtz; wispy garnet stringers; PO stringers near lower contact; blebby CPY PO and graphite near UC; VERY str 100% bi halo 10cm at lower contact
WZ-18-211	889.33	896.70	7.37	1UT	Ultramafic Talc/Chlorite Altered	Medium green blue grey; FG; mod fol; str mag; str chl and talc; trace stringer crb; 2% stringer PO near LC
WZ-18-211	896.70	909.97	13.27	1A	Massive Flows	Medium green grey; FG-MG; str fol; str banded and wispy bleaching; mod bi; mod ser; mod chl; barren
WZ-18-211	909.97	915.81	5.84	4B	Feldspar Porphyry	Medium-dark purple brown grey; weak alb; weak-mod fol; FG w/ MG weak-mod corroded and elongated fsp phenos up to 20%; mod interstitial bi; weak sil; contains large up to 5cm wide blebs of PY from 911.20-911.41m; last 0.71m of unit is more foliated than the rest; 20cm after bottom contact is heavily altered - similar to a 3D unit
WZ-18-211	915.81	933.17	17.36	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; mod patchy and banded bleaching; 5% uneven bands of heavily altered/boudinaged bi/chl/ser with cal bleaching; trace grt/PY with a 15cm section that is 60% PO. Contains a minor 4B and a minor 3D
WZ-18-211	933.17	937.16	3.99	1B	Pillowed Flows	Medium green grey; FG; mod-str fol; str banded bi; mod banded chl altd selvages; str banded/wispy bleaching; weak car banding; barren
WZ-18-211	937.16	943.16	6.00	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; weak patchy and banded bleaching; barren
WZ-18-211	943.16	957.82	14.66	1B	Pillowed Flows	Medium green grey; FG; mod-str fol; str banded bi; mod banded chl altd selvages; str-very str(borderline 1 ALT) uneven/banded/wispy bleaching; weak car banding; barren
WZ-18-211	957.82	959.26	1.44	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; weak diss msc; weak chl/bi halos; barren
WZ-18-211	959.26	988.79	29.53	1B	Pillowed Flows	Medium green grey; FG; mod-str fol; str banded bi; mod banded chl altd selvages; mod-str uneven/banded/wispy bleaching; weak car banding; weak veinlets of MG-CG k-spar; trace grt; barren
WZ-18-211	988.79	995.87	7.08	1A	Massive Flows	Medium green grey; FG; mod fol; mod chl; mod banded bi; weak-mod patchy and banded bleaching; barren
WZ-18-211	995.87	998.19	2.32	4B	Feldspar Porphyry	Medium-dark purple brown grey; weak-mod alb; mod-str fol; FG w/ MG weak-mod corroded and elongated fsp phenos up to 10%; mod interstitial bi; weak sil; mod hydrothermal pressure-fracturing with weak ser flooding around fractures; barren
WZ-18-211	998.19	1092.55	94.36	1A	Massive Flows	Medium green grey; FG-MG; purely FG for about 25% of unit - FG-MG for rest; mod fol; mod chl; mod banded bi; weak patchy and banded bleaching; trace PO; 1% lcl poor grt; from about 1040m-1055m is heavily bleached - about 50% light colour; weakly magnetic around 3D minor; contains 4E/3D/5B/7A/6E minors. 1089-1092m is heavily fractured and contains talc buildup in fractures; contains several 15cm 5B units.
WZ-18-211	1092.55	1094.52	1.97	5B	Granodiorite	White grey; MG; mod disseminated/stringer amph and bi; 10% weak feldspar eyes; weak chl/bi halos; barren
WZ-18-211	1094.52	1107.10	12.58	1A	Massive Flows	Dark green grey; FG; mod fol; weak chl; mod pervasive bi; mod stringer/fractures car/ser; weak qtz veinlets; contains small patchy <1cm blebs of car/cal - some elongated with foliation; becomes FG-MG around 1101m mark to end; barren
WZ-18-211	1107.10	1109.23	2.13	4B	Feldspar Porphyry	Light green/purple/grey; FG-MG; weak fol; mod sil; 10% phenos; str hydrothermal pressure-fracturing with str ser flooding around these fractures; weak alb banding; barren. 1108.63-1108.70 has evidence of either a qtz vein or str silicification with CG and a purple/grey colour. 1108.70-1190 is Brecciated 1A in the 4B that is heavily flooded with ser/qtz and strongly silicified; interstitial mafics with patchy felsic minerals throughout.
WZ-18-211	1109.23	1119.81	10.58	1A	Massive Flows	Dark green grey; FG-MG; mod fol; weak chl; mod pervasive bi; weak stringer/fractures car/ser; contains 5B minor; barren
WZ-18-211	1119.81	1141.45	21.64	1Z	Gabbroic with gradational contacts	Medium grey/black/green; FG-CG; weak-mod fol; mod pervasive chl; about 80% gabbro texture/20% FG 1A texture; weak qtz/car veinlets; lcl mod bleaching of the FG groundmass; barren
WZ-18-211	1141.45	1147.62	6.17	7C	Lamprophyre	Dark grey/black/white; VFG-MG; no fol; very str magnetic; up to 15% speckled MG white feldspar; barren
WZ-18-211	1147.62	1148.51	0.89	6B	Gabbro	Medium grey/black/green; FG-CG; weak fol; mod pervasive chl; trace qtz/car veinlets; weak bleaching of the FG groundmass; barren. Upper contact starts at 1146.13 and ends at 1147.62.
WZ-18-211	1148.51	1149.83	1.32	6E	Intermediate Dyke	Light/dark grey; mod fol; FG-MG; bleached/felsic minerals take up about 70% of unit; mottled texture with mafic grains; some mafic grains remain euhedral while others have elongated with fol; barren. 1149.48-1149.71m is heavily brecciated; some clasts with mod bi alt; groundmass of breccia looks like 7C unit but is not magnetic.
WZ-18-211	1149.83	1161.77	11.94	7C	Lamprophyre	Dark grey/black/white; VFG-MG; no fol; very str magnetic; up to 15% speckled MG white feldspar; barren
WZ-18-211	1161.77	1166.16	4.39	6B	Gabbro	Medium grey/black/green; FG-CG; weak fol; mod pervasive chl; trace qtz/car veinlets; weak bleaching of the FG groundmass; barren. Contains 10cm section of 5B that has a 3cm diameter cluster of grt.

WZ-18-211	1166.16	1172.17	6.01	7C	Lamprophyre	Dark grey/black/white; VFG-MG; no fol; very str magnetic; up to 15% speckled MG white feldspar; barren
WZ-18-211	1172.17	1189.00	16.83	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded bi; str banded chl alt'd selvages up to 3cm thick; mod-str uneven/banded/wispy bleaching; mod car banding; weak veinlets of MG-CG k-spar; trace grt; barren
WZ-18-211	1189.00	1190.00	1.00	5B	Granodiorite	White/dark grey; MG; mod disseminated amph and bi; 70% 5B unit/patches with 30% 1B bands/irregular contacts; weak veinlets qtz; trace bi halos; barren
WZ-18-211	1190.00	1209.36	19.36	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded bi; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching; mod car banding; trace grt; barren
WZ-18-211	1209.36	1211.35	1.99	4B	Feldspar Porphyry	Medium purple/grey; FG-MG; weak fol; weak sil; 15% phenos; weak hydrothermal pressure-fracturing with slight ser flooding around these fractures; weak diss bi; weak-mod alb banding; barren. Contains qtz vein from 1208.50-1208.90m that is smokey qtz with
WZ-18-211	1211.35	1213.20	1.85	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded bi; mod banded chl alt'd selvages up to 1cm thick; weak-mod uneven/banded/wispy bleaching; trace qtz veinlets; barren
WZ-18-211	1213.20	1214.55	1.35	4B	Feldspar Porphyry	Medium purple/grey; FG-MG; weak fol; weak sil; 20% phenos; mod hydrothermal pressure-fracturing with slight ser flooding around these fractures; weak diss bi; trace alb banding; trace qtz veinlets; barren.
WZ-18-211	1214.55	1216.10	1.55	1A	Massive Flows	Dark green grey; FG; weak-mod fol; weak chl; mod pervasive bi; trace stringer car/ser; barren
WZ-18-211	1216.10	1217.63	1.53	4B	Feldspar Porphyry	Medium purple/grey; FG-MG; weak fol; weak sil; 20% phenos; weak hydrothermal pressure-fracturing with slight ser flooding around these fractures; weak diss bi; weak-mod alb banding; barren. Contains 6E minor
WZ-18-211	1217.63	1235.89	18.26	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded bi; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching; mod car banding; str banding for first 2m of unit; trace grt; barren. Contains 2 minors 5B
WZ-18-211	1235.89	1242.02	6.13	6E	Intermediate Dyke	Grey; FG; mod fol; mod disseminated bi; weak alb banding; 5% replacement crystalization phenos; barren. Contains several <15cm section of 1B
WZ-18-211	1242.02	1246.58	4.56	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded bi; mod banded chl alt'd selvages up to 1cm thick; mod uneven/banded/wispy bleaching; mod car banding; trace grt; barren.
WZ-18-211	1246.58	1273.79	27.21	1A	Massive Flows	Dark green grey; FG; mod fol; weak chl; mod pervasive bi; trace stringer car/ser; has some pillow selvages - but they are small and rare; contains 3 qtz veins; very trace PO blebs seen in unit; PO is. especially strong around qtz veins. Contains one 15cm section of syenite
WZ-18-211	1273.79	1276.30	2.51	6E	Intermediate Dyke	Grey; FG; mod fol; mod disseminated bi; 5% replacement crystalization phenos; barren.
WZ-18-211	1276.30	1277.87	1.57	1A	Massive Flows	Dark green grey; FG; mod fol; weak chl; mod pervasive bi; trace stringer car/ser; barren
WZ-18-211	1277.87	1278.87	1.00	1ALT	Altered Mafic Volcanic	Green/brown/white; FG-CG; str fol; 3cm bi haloes on both ends; str banded qtz vein/chl/bi/ser bleaching; 5% disseminated sulfides - PO/PY/CPY
WZ-18-211	1278.87	1279.93	1.06	6E	Intermediate Dyke	Grey; FG; mod fol; mod disseminated bi; 5% replacement crystalization phenos; barren. Contains a 3cm qtz veinlet and 3cm 1A section
WZ-18-211	1279.93	1296.47	16.54	1A	Massive Flows	Dark green grey; FG; mod-str fol; weak chl; str pervasive bi; weak car bands/bands of bleaching; has some pillow selvages - but they are small and rare; trace qtz veinlets; barren
WZ-18-211	1296.47	1315.04	18.57	1Z	Gabbroic with gradational contacts	Medium grey/black/green; FG-CG; mod fol; mod pervasive chl; about 10% gabbro texture/50% FG 1A texture/40% MG 1A texture; weak qtz/car veinlets; lcl mod bleaching of the FG groundmass; barren. Contains a 20cm section of 4B/20cm section of 4B
WZ-18-211	1315.04	1327.36	12.32	1A	Massive Flows	Dark green grey; FG; mod fol; weak chl; weak per bi; trace stringer car/ser; entire unit is slightly magnetic. Mod wispy through entire unit; few bleached sections have k-spar alteration; most bleached sections have about 2-3% PO.
WZ-18-211	1327.36	1348.00	20.64	1Z	Gabbroic with gradational contacts	Medium grey/black/green; FG-MG; mod fol; mod pervasive chl; about 50% FG 1A texture/50% MG 1A texture; weak qtz/car veinlets; lcl mod bleaching/banding of the FG groundmass; several str car veinlets; barren. Contains a qtz vein and a 4E minor
WZ-18-211	1348.00	1375.65	27.65	7A	Diabase	Dark grey/black; FG-MG; no fol; mod-str magnetic; saussaritized feldspar phenos with slight green colour start appearing around 1355m mark to end of unit; first 1m of unit is heavily banded with 1A unit and has weaker magnetism; barren
WZ-18-211	1375.65	1393.00	17.35	1A	Massive Flows	Dark grey with slight green; FG; mod fol; weak chl; weak per bi; weak-mod wispy patchy/stringer bleached car/ser/act; entire unit is very slightly magnetic. trace bleached sections have very slight k-spar alteration; trace PO disseminated throughout unit with some larger blebs
WZ-18-211	1393.00	1397.00	4.00	1A	Massive Flows	Dark grey with slight green; FG; mod fol; weak chl; mod per bi; weak wispy patchy/stringer bleached car/ser/act; entire unit is very slightly magnetic; trace pillow selvages . 5% Fracture-filling stockwork/blebby PO. 1% blebby PY.

WZ-18-211	1397.00	1449.26	52.26	1A	Massive Flows	Dark grey with slight green; FG; mod fol; weak chl; mod per bi; mod wispy patchy/stringer bleached car/ser/act; mod bi/bleached banding; weak qtz veinlets with one notable vein; entire unit is very slightly magnetic. trace blebby/speckled grt in some fractures/beds; trace PO disseminated throughout unit with some larger blebs. trace lcl pillow selvages.
WZ-18-211	1449.26	1450.54	1.28	4B	Feldspar Porphyry	Dark green grey; FG; weak-mod fol; mod sil; 5% phenos mod interstitial bi; trace stringer ser; barren
WZ-18-211	1450.54	1454.91	4.37	1A	Massive Flows	Dark grey with slight green; FG; mod fol; weak-mod chl; mod interstitial bi; weak wispy patchy/stringer bleached ser/act; barren
WZ-18-211	1454.91	1455.81	0.90	4E	Pegmatite	White/grey; CG; no fol; 10% spotted bi; 5% spotted msc; 3% grt; barren
WZ-18-211	1455.81	1459.65	3.84	1A	Massive Flows	Dark grey with slight green; FG; mod fol; weak-mod chl; mod interstitial bi; mod wispy banded/bleached ser/act/chl/bi; trace qtz veinlets; barren
WZ-18-211	1459.65	1460.43	0.78	4ALT	Altered Feldspar Porphyry	Light-med Purple/green; FG; mod-str fol; mod ser flooding from hydrothermal pressure-fractures; str sil; no phenos; trace alb banding; 1% PO/PY blebs speckled lightly throughout unit
WZ-18-211	1460.43	1461.66	1.23	1A	Massive Flows	Dark green; FG; mod-str fol; mod-str chl; mod interstitial/banded bi; mod wispy banded/bleached ser/act/chl; light shearing and alteration - slightly less than the altered units around it; 0.5% PO/PY blebs speckled lightly throughout unit
WZ-18-211	1461.66	1462.41	0.75	1ALT	Altered Mafic Volcanic	Green/brown/white; FG; str fol; str banded qtz vein/chl/bi/ser bleaching; 3% disseminated sulfides - PO/PY
WZ-18-211	1462.41	1463.46	1.05	1A	Massive Flows	Dark green; FG; mod-str fol; mod-str chl; mod-str interstitial/banded bi; mod wispy banded/bleached ser/act/chl; light shearing and alteration - slightly less than the altered units around it; 0.5% PO/PY blebs speckled lightly throughout unit
WZ-18-211	1463.46	1466.31	2.85	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod-str fol; str sil; no phenos; trace alb banding; contains 5% qtz veinlets and 2 10cm patches of qtz with 3% PO blebs in contact between 4B and qtz patch; 1% PO/PY blebs speckled lightly throughout rest of unit
WZ-18-211	1466.31	1467.59	1.28	1ALT	Altered Mafic Volcanic	Green/brown/white; FG; str fol; str banded qtz vein/chl/bi/ser bleaching; 3% disseminated sulfides - PO/PY. Contains 15cm section of 4ALT similar to above unit
WZ-18-211	1467.59	1472.25	4.66	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak-mod wispy banded/bleached ser/act/car/chl; 1% PO found near upper and lower contacts
WZ-18-211	1472.25	1472.99	0.74	1ALT	Altered Mafic Volcanic	Green/brown/white; FG; str fol; mod-str banded qtz vein/chl/bi/ser bleaching; 1% disseminated sulfides - PO/PY.
WZ-18-211	1472.99	1474.11	1.12	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak-mod wispy banded/bleached ser/act/car/chl; 1% PO found near upper and lower contacts
WZ-18-211	1474.11	1474.58	0.47	QV	Quartz Vein	White/grey/green; FG-CG; weak fol; qtz is half white and half smokey; unit is about 50% qtz with banded/stringer/patchy bi/chl making up the rest; 5-10cm bi haloes on each side; 1% PO
WZ-18-211	1474.58	1478.06	3.48	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak-mod wispy banded/bleached ser/act/chl; mod qtz car veinlets; 1% PO found near upper and lower contacts
WZ-18-211	1478.06	1478.65	0.59	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod-str fol; str sil; no phenos; 1cm qtz rims; weak ser flooding from hydrothermal pressure-fractures; 1% PO/PY blebs near contacts
WZ-18-211	1478.65	1504.55	25.90	1A	Massive Flows	Green/grey; FG; mod-str fol; mod chl; weak shearing present; mod interstitial/banded bi; mod wispy banded/bleached ser/act/chl; mod qtz car veinlets; trace PO found near upper and lower contacts and near patches/veinlets of car. 3cm bleb of PO around 1499.36m. 1497-1504m has up to 1.5cm diameter amydules
WZ-18-211	1504.55	1507.02	2.47	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod-str fol; str sil; weak-mod alb banding; no phenos; 1cm qtz rims; weak ser flooding from hydrothermal pressure-fractures; Contains 1A minor and 2 10-20cm sections of 1A with 1% PO found near contacts with these units
WZ-18-211	1507.02	1511.17	4.15	1A	Massive Flows	Green/grey; FG; mod-str fol; mod chl; weak shearing present; mod interstitial/banded bi; mod wispy banded/bleached ser/act/chl; weak qtz car veinlets; trace PO found near upper and lower contacts
WZ-18-211	1511.17	1511.88	0.71	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod-str fol; str sil; no phenos; 3cm qtz rim at LC; weak alb banding; 2% PO/PY found near contacts
WZ-18-211	1511.88	1515.55	3.67	1A	Massive Flows	Green/grey; FG; mod-str fol; mod chl; weak shearing present; mod interstitial/banded bi; mod wispy banded/bleached ser/act/chl; weak qtz car veinlets; trace PO found near upper and lower contacts
WZ-18-211	1515.55	1517.64	2.09	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; str alb banding; mod interstitial bi; trace PY
WZ-18-211	1517.64	1522.59	4.95	1A	Massive Flows	Green/grey; FG-MG; mod fol; mod chl; mod interstitial/banded bi; weak wispy banded/bleached ser/act/chl; trace car veinlets; trace PO found near car veinlets. 1518-1521 is more gabbroic in texture with larger grain sizes.
WZ-18-211	1522.59	1525.98	3.39	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 3cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; 1% grt found in selvages; 2%PO/PY around 1524m



WZ-18-211	1525.98	1532.62	6.64	1A	Massive Flows	Green/grey; FG-MG; mod fol; mod chl; mod interstitial bi; weak wispy banded/bleached ser/act/chl; weak car veinlets; trace PO found near/in car veinlets.
WZ-18-211	1532.62	1539.39	6.77	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; trace qtz/car veinlets; 1% grt found in selvages; 1% PO found in bleaching
WZ-18-211	1539.39	1540.02	0.63	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; weak alb banding; 10% chl/ser banding/stringers; weak interstitial bi; 1% PO
WZ-18-211	1540.02	1555.13	15.11	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; weak-mod qtz/car veinlets; 1% grt found in selvages; barren
WZ-18-211	1555.13	1556.18	1.05	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; weak alb banding; weak interstitial bi; mod ser flooding from hydrothermal pressure-fractures; 1% PO
WZ-18-211	1556.18	1569.31	13.13	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; weak-mod qtz/car veinlets; 1% grt found in selvages; barren
WZ-18-211	1569.31	1570.46	1.15	4B	Feldspar Porphyry	Medium purple/grey; FG-MG; weak fol; mod-str sil; 10% phenos; mod alb banding; mod diss bi; barren.
WZ-18-211	1570.46	1572.44	1.98	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; weak alb banding; weak interstitial bi; weak ser flooding from hydrothermal pressure-fractures; barren. 1572.15-1572.35 has str qtz/chl/alb in banding
WZ-18-211	1572.44	1577.12	4.68	1A	Massive Flows	Green/grey; FG-MG; mod fol; mod chl; mod interstitial/banded bi; trace wispy banded/bleached ser/act/chl; trace qtz veinlets; barren.
WZ-18-211	1577.12	1586.07	8.95	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 2cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; mod car veinlets; 1% grt found in selvages; barren
WZ-18-211	1586.07	1586.92	0.85	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; weak alb banding; weak interstitial bi; weak ser flooding from hydrothermal pressure-fractures; 0.5% PO
WZ-18-211	1586.92	1599.93	13.01	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi (with large 5cm bleb near UC); weak wispy banded/bleached ser/act/chl; trace car/qtz veinlets; barren.
WZ-18-211	1599.93	1601.10	1.17	1A	Massive Flows	Green/grey; FG; mod fol; str chl; weak interstitial/banded bi; weak wispy banded/bleached ser/act/chl; trace car/qtz veinlets; mod chert stringers/stockwork; barren.
WZ-18-211	1601.10	1601.90	0.80	4B	Feldspar Porphyry	Medium purple/grey; FG-MG; mod fol; mod sil; 15% phenos; mod-str alb banding; mod diss bi; mod ser flooding from hydrothermal pressure-fractures; barren.
WZ-18-211	1601.90	1604.20	2.30	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak wispy banded/bleached ser/act/chl; trace car/qtz veinlets; barren.
WZ-18-211	1604.20	1604.75	0.55	1ALT	Altered Mafic Volcanic	Green/grey/brown; FG; str fol; mod-str chl; mod interstitial/banded bi; mod banded/bleached ser/act/chl; unusual patterns of foliation; 1% PO/PY at contact with 4ALT
WZ-18-211	1604.75	1605.33	0.58	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; weak alb rims; weak interstitial bi; weak ser flooding from hydrothermal pressure-fractures; 3% grt; 1% PO/PY close to UC
WZ-18-211	1605.33	1609.16	3.83	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 1cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; 1%PO found in bleaching. Contains 2 small dyklets of k-spar rich 4E
WZ-18-211	1609.16	1611.30	2.14	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; 5% weak feldspar eyes; weak qtz veinlets; barren.
WZ-18-211	1611.30	1614.64	3.34	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak wispy banded/bleached ser/act/chl; weak car veinlets; barren.
WZ-18-211	1614.64	1617.05	2.41	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; mod alb rims/banding; mod interstitial bi; mod ser flooding from hydrothermal pressure-fractures; barren
WZ-18-211	1617.05	1641.89	24.84	1B	Pillowed Flows	Medium green grey; FG; mod fol; mod banded chl alt'd selvages up to 1cm thick; mod uneven/banded/wispy bleaching/chl/act/bi; trace PO found in bleaching. Contains a minor 1A and 5B
WZ-18-211	1641.89	1642.54	0.65	4ALT	Altered Feldspar Porphyry	Med Purple; FG; mod fol; str sil; no phenos; mod interstitial bi; mod ser flooding from hydrothermal pressure-fractures; trace alb banding; mod qtz veinlets; 1% grt; 2% PO/PY
WZ-18-211	1642.54	1643.58	1.04	1A	Massive Flows	Green/grey; FG; mod fol; mod chl; mod interstitial/banded bi; weak wispy banded/bleached ser/act/chl; barren.
WZ-18-211	1643.58	1645.29	1.71	4E	Pegmatite	White/red/black; FG-CG; no fol; 10% smokey qtz; 40% k-spar; 40% white felds; mod speckled/stringer mafics

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-211		Actlabs	A19-00821	Assay	233.40	234.30	0.90	166305		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	234.30	234.80	0.50	166306		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	234.80	235.53	0.73	166307		5		
WZ-18-211		Actlabs	A19-00821	Assay	235.53	236.45	0.92	166308		5		
WZ-18-211		Actlabs	A19-00821	Assay	236.45	237.09	0.64	166309		5		
WZ-18-211		Actlabs	A19-00821	OREAS 216				166310		6540		
WZ-18-211		Actlabs	A19-00821	Assay	237.09	238.09	1.00	166311		7		
WZ-18-211		Actlabs	A19-00821	Assay	238.09	238.79	0.70	166312		10		
WZ-18-211		Actlabs	A19-00821	Assay	238.79	239.43	0.64	166313		9		
WZ-18-211		Actlabs	A19-00821	Assay	239.43	240.16	0.73	166314		8		
WZ-18-211		Actlabs	A19-00821	Assay	240.16	241.16	1.00	166315		7		
WZ-18-211		Actlabs	A19-00821	Assay	241.16	242.08	0.92	166316		18		
WZ-18-211		Actlabs	A19-00821	Assay	242.08	243.00	0.92	166317		17		
WZ-18-211		Actlabs	A19-00821	Assay	243.00	243.96	0.96	166318		15		
WZ-18-211		Actlabs	A19-00821	Assay	243.96	244.96	1.00	166319		16		
WZ-18-211		Actlabs	A19-00821	Blank				166320		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	244.96	245.96	1.00	166321		6		
WZ-18-211		Actlabs	A19-00821	Assay	245.96	246.96	1.00	166322		5		
WZ-18-211		Actlabs	A19-00821	Assay	246.96	247.91	0.95	166323		5		
WZ-18-211		Actlabs	A19-00821	Assay	247.91	248.90	0.99	166324		11		
WZ-18-211		Actlabs	A19-00821	Assay	248.90	249.69	0.79	166325		30		
WZ-18-211		Actlabs	A19-00821	Assay	249.69	250.69	1.00	166326		17		
WZ-18-211		Actlabs	A19-00821	Assay	250.69	251.69	1.00	166327		5		
WZ-18-211		Actlabs	A19-00821	Assay	251.69	252.69	1.00	166328		6		
WZ-18-211		Actlabs	A19-00821	Assay	252.69	253.69	1.00	166329		< 5		
WZ-18-211		Actlabs	A19-00821	OREAS 215				166330		3480		
WZ-18-211		Actlabs	A19-00821	Assay	850.70	851.70	1.00	166331		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	851.70	852.70	1.00	166332		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	852.70	853.70	1.00	166333		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	853.70	854.24	0.54	166334		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	854.24	854.84	0.60	166335		14		
WZ-18-211		Actlabs	A19-00821	Assay	854.84	855.14	0.30	166336		6		
WZ-18-211		Actlabs	A19-00821	Assay	855.14	856.00	0.86	166337		11		
WZ-18-211		Actlabs	A19-00821	Assay	856.00	857.00	1.00	166338		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	857.00	858.00	1.00	166339		< 5		
WZ-18-211		Actlabs	A19-00821	Blank				166340		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	858.00	858.85	0.85	166341		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	858.85	859.78	0.93	166342		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	859.78	860.80	1.02	166343		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	860.80	861.80	1.00	166344		6		
WZ-18-211		Actlabs	A19-00821	Assay	861.80	862.30	0.50	166345		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	862.30	863.25	0.95	166346		11		
WZ-18-211		Actlabs	A19-00821	Assay	863.25	863.90	0.65	166347		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	863.90	864.90	1.00	166348		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1257.62	1258.62	1.00	166349		< 5		
WZ-18-211		Actlabs	A19-00821	OREAS 210				166350		5390		
WZ-18-211		Actlabs	A19-00821	Assay	1258.62	1258.98	0.36	166401		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1258.98	1259.98	1.00	166402		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1265.18	1266.18	1.00	166403		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1266.18	1266.81	0.63	166404		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1266.81	1267.81	1.00	166405		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1276.85	1277.85	1.00	166406		12		
WZ-18-211		Actlabs	A19-00821	Assay	1277.85	1278.40	0.55	166407		12		
WZ-18-211		Actlabs	A19-00821	Assay	1278.40	1278.97	0.57	166408		6		
WZ-18-211		Actlabs	A19-00821	Assay	1278.97	1279.91	0.94	166409		< 5		
WZ-18-211		Actlabs	A19-00821	Blank				166410		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1339.20	1340.20	1.00	166411		< 5		
WZ-18-211		Actlabs	A19-00821	Assay	1340.20	1340.80	0.60	166412		9		
WZ-18-211		Actlabs	A19-00821	Assay	1340.80	1341.80	1.00	166413		< 5		
WZ-18-211		Actlabs	A19-01313	Assay	1458.65	1458.99	0.34	166414		16		
WZ-18-211		Actlabs	A19-01313	Assay	1458.99	1459.65	0.66	166415		7		
WZ-18-211		Actlabs	A19-01313	Assay	1459.65	1460.43	0.78	166416		10		
WZ-18-211		Actlabs	A19-01313	Assay	1460.43	1461.10	0.67	166417		49		

WZ-18-211	Actlabs	A19-01313	Assay	1461.10	1461.66	0.56	166418		29	
WZ-18-211	Actlabs	A19-01313	Assay	1461.66	1462.46	0.80	166419		181	
WZ-18-211	Actlabs	A19-01313	OREAS 216				166420		6590	
WZ-18-211	Actlabs	A19-01313	Assay	1462.46	1463.46	1.00	166421		636	
WZ-18-211	Actlabs	A19-01313	Assay	1463.46	1464.36	0.90	166422		107	
WZ-18-211	Actlabs	A19-01313	Assay	1464.36	1465.31	0.95	166423		31	
WZ-18-211	Actlabs	A19-01313	Assay	1465.31	1466.31	1.00	166424		222	
WZ-18-211	Actlabs	A19-01313	Assay	1466.31	1467.13	0.82	166425		44	
WZ-18-211	Actlabs	A19-01313	Assay	1467.13	1467.59	0.46	166426		80	
WZ-18-211	Actlabs	A19-01313	Assay	1467.59	1468.59	1.00	166427		15	
WZ-18-211	Actlabs	A19-01313	Assay	1471.25	1472.25	1.00	166428		103	
WZ-18-211	Actlabs	A19-01313	Assay	1472.25	1473.13	0.88	166429		2550	
WZ-18-211	Actlabs	A19-01313	Blank				166430		6	
WZ-18-211	Actlabs	A19-01313	Assay	1473.13	1474.11	0.98	166431		18	
WZ-18-211	Actlabs	A19-01313	Assay	1474.11	1474.58	0.47	166432		9	
WZ-18-211	Actlabs	A19-01313	Assay	1474.58	1475.58	1.00	166433		17	
WZ-18-211	Actlabs	A19-01313	Assay	1477.06	1478.06	1.00	166434		93	
WZ-18-211	Actlabs	A19-01313	Assay	1478.06	1478.65	0.59	166435		396	
WZ-18-211	Actlabs	A19-01313	Assay	1478.65	1479.65	1.00	166436		20	
WZ-18-211	Actlabs	A19-01313	Assay	1503.55	1504.55	1.00	166437		6	
WZ-18-211	Actlabs	A19-01313	Assay	1504.55	1505.32	0.77	166438		5	
WZ-18-211	Actlabs	A19-01313	Assay	1505.32	1506.17	0.85	166439		16	
WZ-18-211	Actlabs	A19-01313	OREAS 215				166440		3390	
WZ-18-211	Actlabs	A19-01313	Assay	1506.17	1507.02	0.85	166441		5	
WZ-18-211	Actlabs	A19-01313	Assay	1507.02	1508.02	1.00	166442		6	
WZ-18-211	Actlabs	A19-01313	Assay	1510.17	1511.17	1.00	166443		12	
WZ-18-211	Actlabs	A19-01313	Assay	1511.17	1511.88	0.71	166444		47	
WZ-18-211	Actlabs	A19-01313	Assay	1511.88	1512.88	1.00	166445		13	
WZ-18-211	Actlabs	A19-01313	Assay	1512.88	1513.65	0.77	166446		10	
WZ-18-211	Actlabs	A19-01313	Assay	1513.65	1514.53	0.88	166447		12	
WZ-18-211	Actlabs	A19-01313	Assay	1514.53	1515.53	1.00	166448		25	
WZ-18-211	Actlabs	A19-01313	Assay	1515.53	1516.25	0.72	166449		10	
WZ-18-211	Actlabs	A19-01313	Blank				166450		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1516.25	1517.10	0.85	166451		235	
WZ-18-211	Actlabs	A19-01313	Assay	1517.10	1517.64	0.54	166452		17	
WZ-18-211	Actlabs	A19-01313	Assay	1517.64	1518.64	1.00	166453		11	
WZ-18-211	Actlabs	A19-01313	Assay	1538.39	1539.39	1.00	166454		5	
WZ-18-211	Actlabs	A19-01313	Assay	1539.39	1540.02	0.63	166455		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1540.02	1541.02	1.00	166456		5	
WZ-18-211	Actlabs	A19-01313	Assay	1554.13	1555.13	1.00	166457		6	
WZ-18-211	Actlabs	A19-01313	Assay	1555.13	1555.65	0.52	166458		15	
WZ-18-211	Actlabs	A19-01313	Assay	1555.65	1556.18	0.53	166459		11	
WZ-18-211	Actlabs	A19-01313	OREAS 210				166460		5470	
WZ-18-211	Actlabs	A19-01313	Assay	1556.18	1557.18	1.00	166461		6	
WZ-18-211	Actlabs	A19-01313	Assay	1569.46	1570.46	1.00	166462		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1570.46	1571.45	0.99	166463		5	
WZ-18-211	Actlabs	A19-01313	Assay	1571.45	1572.44	0.99	166464		5	
WZ-18-211	Actlabs	A19-01313	Assay	1572.44	1573.44	1.00	166465		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1585.07	1586.07	1.00	166466		7	
WZ-18-211	Actlabs	A19-01313	Assay	1586.07	1586.92	0.85	166467		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1586.92	1587.92	1.00	166468		5	
WZ-18-211	Actlabs	A19-01313	Assay	1598.93	1599.93	1.00	166469		5	
WZ-18-211	Actlabs	A19-01313	Blank				166470		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1599.93	1600.50	0.57	166471		5	
WZ-18-211	Actlabs	A19-01313	Assay	1600.50	1601.10	0.60	166472		5	
WZ-18-211	Actlabs	A19-01313	Assay	1601.10	1601.90	0.80	166473		6	
WZ-18-211	Actlabs	A19-01313	Assay	1601.90	1602.70	0.80	166474		5	
WZ-18-211	Actlabs	A19-01313	Assay	1602.70	1603.60	0.90	166475		5	
WZ-18-211	Actlabs	A19-01313	Assay	1603.60	1604.20	0.60	166476		5	
WZ-18-211	Actlabs	A19-01313	Assay	1604.20	1604.75	0.55	166477		< 5	
WZ-18-211	Actlabs	A19-01313	Assay	1604.75	1605.33	0.58	166478		5	
WZ-18-211	Actlabs	A19-01313	Assay	1605.33	1606.33	1.00	166479		< 5	
WZ-18-211	Actlabs	A19-01313	OREAS 216				166480		6430	
WZ-18-211	Actlabs	A19-01313	Assay	1613.70	1614.70	1.00	166481		8	

WZ-18-211	Actlabs	A19-01313	Assay	1614.70	1615.50	0.80	166482		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1615.50	1616.30	0.80	166483		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1616.30	1617.05	0.75	166484		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1617.05	1618.05	1.00	166485		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1640.89	1641.89	1.00	166486		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1641.89	1642.54	0.65	166487		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1642.54	1642.93	0.39	166488		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1642.93	1643.26	0.33	166489		< 5		
WZ-18-211	Actlabs	A19-01313	Blank				166490		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1643.26	1643.58	0.32	166491		< 5		
WZ-18-211	Actlabs	A19-01313	Assay	1643.58	1644.26	0.68	166492		10		



Hole Number:

WZ-19-205W

Drill Rig:

Drill 20

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					20-Apr-2019	15-May-2019	
Planned Coordinates		Azimuth:	39	Drill Contractor:	Foraco Canada Ltd		
Easting	645155.85						
Northing	5407491.84	Dip:	-80	Dates Logged:	Start Date:	End Date:	
Elevation(m)	406.05					26-Apr-2019	16-May-2019
Final Pick up		Depth(m):	1199.00	Logger 1:	Karen Barlow		
Easting							
Northing		Core Size:	NQ	Logger 2:	Sarah Davis		
Elevation(m)							
Casing	Left Open			Assay Lab:	Actlabs		
Purpose of Hole	Middle Zone deep extention wedge	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	42.1	-79.5		planned	45.6
		30.0	42.1	-79.5	5622	6m Hex; 18	49.7
		60.0	40.0	-79.1	5616	6m Hex; 18	47.6
		90.0	41.6	-77.7	5616	6m Hex; 18	49.2
		120.0	42.8	-77.4	5612		50.4
		150.0	43.6	-76.8	5615		51.2
		180.0	43.4	-76.6	5609		51
		210.0	42.2	-76.1	5611		49.8
		240.0	43.4	-76.2	5736	hi mag az 4	49.3
		270.0	44.7	-74.7	5583	6m std; 18	52.3
		300.0	44.7	-74.5	5589		52.3
		330.0	45.4	-74.2	5589		53
		360.0	46.0	-74.3	5589	From repo	53.6
		390.0	46.8	-74.3	5590		54.4
		420.0	44.5	-74.0	5587		52.1
		450.0	45.6	-72.8	5585	at 432 6m	53.2
		480.0	45.8	-72.4	5594		53.4
		510.0	46.7	-71.7	5589	6m standa	54.3
		540.0	47.5	-71.3	5585	6m standa	55.1
		567.0	47.7	-70.3	5592	wedge at 5	55.3
		578.0	46.6	-68.0	5614		54.2
		600.0	47.5	-66.5	5617	3m standa	55.1
		630.0	48.5	-65.6	5625	at 636 6m	56.1
		660.0	48.4	-63.4	5589	bit change	56
		690.0	49.4	-62.0	5586	6m stand;	57
		720.0	49.4	-61.4	5579		57
		750.0	52.4	-60.0	5575	Taken from	61.2
		770.0	50.6	-58.3	7735	3m standa	35.5
		785.0	48.8	-57.1	5597	3m standa	56.4
		800.0	49.9	-56.2	5619	3m standa	57.5
		815.0	50.0	-56.1	5625	3m standa	57.6
		830.0	50.8	-55.8	5639	3m standa	58.4
		845.0	49.3	-54.8	5635	3m standa	56.9
		869.0	48.3	-53.1	5741	3m standa	55.9
		884.0	49.4	-51.5	5743	3m standa	57
		899.0	51.8	-50.8	5661	3m standa	59.4
		929.0	52.7	-48.8	5668	3m standa	60.3
		959.0	53.1	-46.8	5669	3m standa	60.7
		990.0	53.9	-45.5	5661	6m standa	61.5
		1020.0	56.5	-43.1	5625	6m standa	64.1
		1053.0	55.4	-39.4	5780	hi mag az 5	67.2
		1083.0	54.2	-39.0	5694	6m standa	61.8
		1113.0	55.0	-37.5	5699	6m standa	62.6
		1148.0	54.9	-35.1	5674	3m standa	62.5
		1178.0	57.1	-33.0	5591	3m standa	64.7
		1199.0	52.0	-31.7	5703	3m standa	59.6

Azimuth corrected to 7.6 degrees west declination

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-19-205W	0.00	7.48	7.48	CAS	Casing	
WZ-19-205W	7.48	16.25	8.77	1A	Massive Flows	Med greenish grey; FG; mod fol'n; weak-mod carb micro-fractures; mod ep banding; weak ser banding; minor qtz stringer up to 4cm; barren
WZ-19-205W	16.25	17.48	1.23	4B	Feldspar Porphyry	Med purplish grey; FG w/40% mod corroded MG-CG; weak fol'n; mod interstitial bi; weak-mod sil; weak carb stringer; barren
WZ-19-205W	17.48	21.49	4.01	1A	Massive Flows	Med greenish grey; FG; mod fol'n; weak carb stringers; mod ep banding; weak ser banding; weak bi banding; mn qtz stringer <1cm; weak albite banding; barren
WZ-19-205W	21.49	22.67	1.18	4B	Feldspar Porphyry	Med purplish grey; FG w/40% mod corroded MG-CG; weak-mod fol'n; wkly elongated fsp phenos; mod interstitial/elongated lathes bi; weak-mod sil; weak carb stringer; barren
WZ-19-205W	22.67	31.70	9.03	1A	Massive Flows	Med greenish grey; FG; mod fol'n; weak-mod carb micro-fractures; weak-mod ep banding; weak ser banding; mn qtz stringer boudinaged up to 1cm; barren
WZ-19-205W	31.70	33.22	1.52	4E	Pegmatite	Whitish/yellowish/beigish grey; FG-CG; 1-5% bi specks; weak-mod chl stringers; weak-mod patchy ep; weak patchy ser; mod-strly micaceous; weak garnet speckles; weak patchy kspar; trace Po/Py(<1%)
WZ-19-205W	33.22	45.48	12.26	1B	Pillowed Flows	Dark bluish green/grey; FG; str fol; str banding; str bi; mod bleaching; mod chl alt'd selvages; mod speckled garnets; 3% lamprophyre dyklets <15cm; minor 4B; lcl carb filled fractures; very trace stringer/speckled PO/PY
WZ-19-205W	45.48	46.82	1.34	4B	Feldspar Porphyry	Medium-dark purple/grey; mod fol; FG gmass w/ 20% weakly corroded and elongated fsp phenos; weak-mod interstitial bi; weak sil; barren
WZ-19-205W	46.82	67.95	21.13	1B	Pillowed Flows	Dark bluish green/grey; FG; str fol; str banding; str bi; mod bleaching; mod chl alt'd selvages; mod speckled garnets; 3% lamprophyre dyklets <15cm; minor 4B; lcl carb filled fractures; very trace stringer/speckled PO/PY
WZ-19-205W	67.95	69.67	1.72	4B	Feldspar Porphyry	Medium-dark purple/grey; mod fol; FG gmass w/ 20% weakly corroded and elongated fsp phenos; weak-mod interstitial bi; weak sil; barren
WZ-19-205W	69.67	72.28	2.61	1B	Pillowed Flows	Dark bluish green/grey; FG; str fol; str banding; str bi; mod bleaching; mod chl alt'd selvages; mod speckled garnets; 3% lamprophyre dyklets <15cm; minor 4B; lcl carb filled fractures; very trace stringer/speckled PO/PY
WZ-19-205W	72.28	73.71	1.43	4B	Feldspar Porphyry	Medium-dark purple/grey; mod fol; FG gmass w/ 20% weakly corroded and elongated fsp phenos; weak-mod interstitial bi; weak sil; barren
WZ-19-205W	73.71	79.00	5.29	1B	Pillowed Flows	Dark bluish green/grey; FG; str fol; str banding; str bi; mod bleaching; mod chl alt'd selvages; mod speckled garnets; 3% lamprophyre dyklets <15cm; minor 4B; lcl carb filled fractures; very trace stringer/speckled PO/PY
WZ-19-205W	79.00	86.25	7.25	3D	Iron Formation	Purple/grey/brown/beige; VFG; str fol; str banded cherty layers; mod interlaminated chl alt'n; weak speckled garnets; mod bi; ~2% localized stringer PY/PO; w/ minor 1A/4B
WZ-19-205W	86.25	88.56	2.31	1A	Massive Flows	Medium green; FG; weak fol; mod chl; barren
WZ-19-205W	88.56	90.38	1.82	4B	Feldspar Porphyry	Light purple/beige; FG gmass w/ MG 30% mod corroded and elongated fsp phenos mod overprinted with ser bleaching; mod interstitial bi; mod sil; patchy ser alt'n bleaching; barren
WZ-19-205W	90.38	99.97	9.59	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; weak banded/patchy bleaching; mod wispy banded bi; weak chl; trace wispy carb; barren
WZ-19-205W	99.97	101.17	1.20	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 30% mod corroded and elongated fsp phenos mod overprinted with ser bleaching; mod interstitial bi; mod sil; patchy ser alt'n bleaching; barren
WZ-19-205W	101.17	131.67	30.50	1A	Massive Flows	Medium-dark green/grey; FG mod fol; weak banded/patchy bleaching; mod wispy banded bi; weak chl; trace wispy carb; barren
WZ-19-205W	131.67	161.06	29.39	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; FG-MG; mod fol; weak banded/patchy bleaching; mod banded ser; mod banded albite; mod wispy banded bi; weak chl; trace wispy carb; barren; minor 6E horse tailed mixed unit
WZ-19-205W	161.06	165.50	4.44	6A	Diorite	Dark green/grey w/ 20% fsp/qtz crystals; MG; weak fol; barren
WZ-19-205W	165.50	172.88	7.38	6B	Gabbro	Medium-dark green/grey; FG-MG; mod fol; weak banded/patchy bleaching; mod banded ser; mod banded albite; mod wispy banded bi; weak chl; trace wispy carb; barren; minor QV at lower contact
WZ-19-205W	172.88	176.79	3.91	4B	Feldspar Porphyry	Very strongly altered/arguable 4ALT; Medium purple/grey; <2% remnant strongly corroded fsp phenos; FG; mod fol; mod sil; mod-str ser alt'n in hairline fractures; fractures are 20 and 160 dgs tca.; barren
WZ-19-205W	176.79	185.00	8.21	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren
WZ-19-205W	185.00	186.35	1.35	4B	Feldspar Porphyry	Medium-light purple/beige/grey; FG w/ 30% strongly corroded and elongated fsp phenos; str interstitial bi; str flooded ser; mod pervasive sil; barren
WZ-19-205W	186.35	192.80	6.45	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren
WZ-19-205W	192.80	194.80	2.00	4B	Feldspar Porphyry	Medium-light purple/beige/grey; FG w/ 50% strongly corroded and elongated fsp phenos; str interstitial bi; str flooded ser; mod pervasive sil; barren
WZ-19-205W	194.80	204.08	9.28	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren
WZ-19-205W	204.08	206.20	2.12	6E	Intermediate Dyke	Medium-dark purple/grey; FG; weak fol; mod interstitial bi/ser; trace banded albite; barren
WZ-19-205W	206.20	208.23	2.03	4B	Feldspar Porphyry	Medium-light purple/beige/grey; FG w/ 30% strongly corroded and elongated fsp phenos; str interstitial bi; str flooded ser; mod pervasive sil; barren

WZ-19-205W	208.23	220.80	12.57	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren; section w/ strong shearing and strong banded bi
WZ-19-205W	220.80	222.63	1.83	4B	Feldspar Porphyry	Medium-light purple/beige/grey; FG w/ 30% strongly corroded and elongated fsp phenos; str interstitial bi; str flooded ser; mod pervasive sil; barren
WZ-19-205W	222.63	232.57	9.94	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren; w/ minor 4B and 5B
WZ-19-205W	232.57	234.58	2.01	4B	Feldspar Porphyry	Medium-light purple/beige/grey; FG w/ 30% strongly corroded and elongated fsp phenos; str interstitial bi; str flooded ser; mod pervasive sil; barren
WZ-19-205W	234.58	248.93	14.35	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; weak banded/patchy bleaching; mod interstitial ser; mod banded albite; mod wispy interstitial bi; weak chl; trace wispy carb; barren
WZ-19-205W	248.93	250.56	1.63	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; barren
WZ-19-205W	250.56	261.15	10.59	6B	Gabbro	Dark bluish green/grey; MG-CG; mod to str fol/shear; weak interstitial bi; mod chl; weak lcl patchy ser bleaching; trace stringer/patchy qtz/ser/albite banding; trace lcl speckled leucoxene; barren
WZ-19-205W	261.15	262.40	1.25	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; barren
WZ-19-205W	262.40	265.95	3.55	6B	Gabbro	Dark bluish green/grey; MG-CG; mod to str fol/shear; weak interstitial bi; mod chl; weak lcl patchy ser bleaching; trace stringer/patchy qtz/ser/albite banding; trace lcl speckled leucoxene; barren
WZ-19-205W	265.95	272.65	6.70	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; lower half has str fol w/ mod-str fol-controlled bi; barren
WZ-19-205W	272.65	274.35	1.70	6B	Gabbro	Dark bluish green/grey; MG-CG; mod to str fol/shear; weak interstitial bi; mod chl; weak lcl patchy ser bleaching; trace stringer/patchy qtz/ser/albite banding; trace lcl speckled leucoxene; barren
WZ-19-205W	274.35	287.01	12.66	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; w/ minor 6E and 6B; barren
WZ-19-205W	287.01	291.55	4.54	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	291.55	296.75	5.20	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; barren
WZ-19-205W	296.75	298.30	1.55	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	298.30	300.10	1.80	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; weak-mod foliation-controlled bi; barren
WZ-19-205W	300.10	311.53	11.43	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	311.53	313.33	1.80	6E	Intermediate Dyke	Dark purple/grey; FG-MG; trace remnant fsp phenos (?); str interstitial fol-controlled bi; str speckled disseminated musc; str fol; mod sil; barren
WZ-19-205W	313.33	324.95	11.62	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; section surrounding minor pegmatite has strong carb banded stringers and str chl/bi alt'n; barren
WZ-19-205W	324.95	326.05	1.10	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; mod banded ser halos around carb stringers; mod foliation-controlled bi; barren
WZ-19-205W	326.05	332.30	6.25	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	332.30	333.65	1.35	6E	Intermediate Dyke	Dark purple/grey; FG-MG; trace remnant fsp phenos (?); str interstitial fol-controlled bi; str fol; mod sil; barren
WZ-19-205W	333.65	335.60	1.95	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	335.60	336.60	1.00	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; mod foliation-controlled bi; barren
WZ-19-205W	336.60	342.90	6.30	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren
WZ-19-205W	342.90	344.70	1.80	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ MG-CG weakly corroded and elongated fsp phenos ~30%; mod fol; mod sil; 1% patchy qtz; str foliation-controlled bi; barren
WZ-19-205W	344.70	359.93	15.23	6B	Gabbro	Dark bluish green/grey; FG-CG; mod to str fol/shear; mod interstitial bi; mod chl; trace weak stringer carb; mod crenulated wispy/wavy appearance; barren; w/ minor 6E
WZ-19-205W	359.93	361.12	1.19	6E	Intermediate Dyke	Dark purple/grey; FG-MG; trace remnant fsp phenos (?); str interstitial fol-controlled bi; str fol; mod sil; barren
WZ-19-205W	361.12	373.80	12.68	6B	Gabbro	Dark bluish green/grey; FG-MG; weak fol; weak interstitial bi; mod chl; trace weak stringer carb; weak crenulated wispy/wavy appearance; 1% albite/granodiorite banding; barren
WZ-19-205W	373.80	375.66	1.86	6E	Intermediate Dyke	Dark purple/grey/brown; FG; mod fol; mod interstitial bi; weak sil; weak-mod stringer/wispy bleached alt'n; w/ minor 4B ~ 40% of unit
WZ-19-205W	375.66	376.62	0.96	6B	Gabbro	Dark green/grey; MG; str fol; Very str interstitial bi; mod chl; barren
WZ-19-205W	376.62	379.76	3.14	1A	Massive Flows	Dark and light green/grey; FG; mod fol; mod banded bleached wisps; weak-mod bi; barren

WZ-19-205W	379.76	382.72	2.96	6B	Gabbro	Dark bluish green/grey; FG-MG; mod fol w/ lcl mod shear; weak interstitial bi; mod chl; trace weak stringer carb; weak crenulated wispy/wavy appearance; 1% albite/granodiorite banding; barren
WZ-19-205W	382.72	383.94	1.22	6E	Intermediate Dyke	Dark purple/grey/brown; FG; mod fol; weak-mod interstitial bi; weak sil; barren
WZ-19-205W	383.94	385.05	1.11	1A	Massive Flows	Dark green/grey; FG; mod fol; weak banded bleached wisps; mod bi; barren
WZ-19-205W	385.05	387.46	2.41	6B	Gabbro	Dark bluish green/grey; FG-MG; mod fol w/ lcl mod shear; mod interstitial bi; mod chl; trace weak stringer carb; barren
WZ-19-205W	387.46	391.94	4.48	1A	Massive Flows	Dark green/grey; FG; mod fol; weak banded bleached wisps; mod bi; barren
WZ-19-205W	391.94	395.00	3.06	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey w/ strong brown banding; FG; str fol/banding; VFG almost cherty layers of sil alt'n; mod thready banded chl/bi fol-controlled; mod sil; trace hairline fractures w/ ser halos; trace carb stringers; w/ 20% 4B segments and 2% chl/carb/act/ser 1B banding
WZ-19-205W	395.00	413.16	18.16	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; trace stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; 1-2% patchy clustered qtz/alb
WZ-19-205W	413.16	414.00	0.84	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey w/ mod brown banding; FG; str fol/banding; VFG almost cherty layers of sil alt'n; mod thready banded chl/bi fol-controlled; mod sil; trace hairline fractures w/ ser halos; trace carb stringers; barren
WZ-19-205W	414.00	435.60	21.60	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; ~5% patchy clustered qtz/alb; 25% banded/wispy bleaching; several (<~12%) 4B segments; mod banded bi; barren
WZ-19-205W	435.60	440.52	4.92	4B	Feldspar Porphyry	Medium purple/grey/beige; FG; str fol; very remnant corroded and elongated fsp phenos up to 20% and as little as 3%; mod-str sil; mod bleached ser banding; mod albite banding w/ chl/amph speckling; barren
WZ-19-205W	440.52	448.80	8.28	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; ~5% patchy clustered qtz/alb; 25% banded/wispy bleaching; several (<10%) 4B segments; mod banded bi; barren
WZ-19-205W	448.80	450.07	1.27	6B	Gabbro	Dark grey/green/purple; MG; strong overprinting/grainsize alteration; weak fol; dioritic?; barren
WZ-19-205W	450.07	451.40	1.33	4B	Feldspar Porphyry	Medium purple/grey/beige; FG; mod fol; 15% MG corroded and elongated fsp phenos; mod-str sil; weak bleached ser banding; trace albite and qtz banding; barren
WZ-19-205W	451.40	458.25	6.85	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; ~5% patchy clustered qtz/alb; 25% banded/wispy bleaching; several (<10%) 4B segments; mod banded bi; barren
WZ-19-205W	458.25	460.77	2.52	5B	Granodiorite	White/grey; MG; speckled; weak to no fol; 5% speckled albite eyes; 25% speckled mafics; barren
WZ-19-205W	460.77	463.53	2.76	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; barren
WZ-19-205W	463.53	469.58	6.05	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; ~5% patchy clustered qtz/alb; 25% banded/wispy bleaching; several (<10%) 4B segments; mod banded bi; barren
WZ-19-205W	469.58	471.09	1.51	4F	Felsic Dyke	White and grey; strongly irregular contacts approx. 60% felsic dyket; wispy pinkish grey aplitic banding; 10% speckled bi and amph; mod to str localized bi halos; 10-15% speckled qtz clusters; trace speckled PO
WZ-19-205W	471.09	486.15	15.06	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; mod boudinage; ~5% patchy clustered qtz/alb; 25% banded/wispy bleaching; several (<10%) 4B segments; mod banded bi; barren
WZ-19-205W	486.15	495.70	9.55	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; barren
WZ-19-205W	495.70	497.46	1.76	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; weak lcl boudinage; trace banded/wispy bleaching; weak interstitial banded bi; barren
WZ-19-205W	497.46	501.54	4.08	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; barren
WZ-19-205W	501.54	506.10	4.56	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; weak lcl boudinage; trace banded/wispy bleaching; weak interstitial banded bi; barren
WZ-19-205W	506.10	507.70	1.60	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; barren
WZ-19-205W	507.70	513.09	5.39	1B	Pillowed Flows	Medium-dark green/grey; FG-MG; mod stringer carb; weak-mod banded chl alt'd selvages; weak lcl boudinage; trace banded/wispy bleaching; weak interstitial banded bi; barren
WZ-19-205W	513.09	515.60	2.51	1A	Massive Flows	Dark green/grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; barren
WZ-19-205W	515.60	517.78	2.18	6B	Gabbro	Dark green/grey; MG; weak fol; mod interstitial bi; mod wispy banded carb; barren
WZ-19-205W	517.78	528.66	10.88	1A	Massive Flows	Dark grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; trace banded purple silicification; barren
WZ-19-205W	528.66	534.57	5.91	1B	Pillowed Flows	Medium-dark grey/green; FG; mod stringer carb; weak-mod banded chl alt'd selvages; weak lcl boudinage; trace banded/wispy bleaching; weak interstitial banded bi; barren
WZ-19-205W	534.57	549.10	14.53	1A	Massive Flows	Dark grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; trace banded purple silicification; lcl mod silicified bleaching; trace banded albite/qtz; grades to MG/CG possible 6B?; barren
WZ-19-205W	549.10	549.50	0.40	FZ	Fault Zone	Brownish beige/grey; FG; str fol; mod clays in fractures and open faulting; str bi; mod chl; weak ser alt'n; 2% stringer and blebby PO




WZ-19-205W	549.50	566.12	16.62	1A	Massive Flows	Dark grey; FG-MG; mod fol; trace stringer carb; weak interstitial bi; trace banded purple silicification; lcl mod silicified bleaching; 3% banded albite/qtz; barren
WZ-19-205W	566.12	572.39	6.27	4B	Feldspar Porphyry	Dark purple/grey with brown and blue banding; FG w/ FG-MG 3% weakly corroded phenos; corrosion and elongation of phenos strengthens with depth; str sil; mod patchy/banded ser; mod bi; weak chl; clappison placed in center of unit; barren
WZ-19-205W	572.39	573.26	0.87	6B	Gabbro	Dark grey/green; CG; weak fol; weak-mod interstitial bi; mod pervasive chl; barren
WZ-19-205W	573.26	575.92	2.66	6E	Intermediate Dyke	Dark purple/grey; FG-MG; mod-str fol; mod interstitial bi; mod sil; barren
WZ-19-205W	575.92	585.25	9.33	6B	Gabbro	Dark grey/green/blue; MG-CG; mod fol; weak-mod interstitial bi; mod pervasive chl; mod lcl crenulation; 2% qtz veins/patches; barren
WZ-19-205W	585.25	592.12	6.87	1A	Massive Flows	Dark grey/green; FG; weak-mod fol; mod thready fractures w/ ser/carb fill; trace qtz veinlets; mod lcl bi banding; barren
WZ-19-205W	592.12	593.22	1.10	6E	Intermediate Dyke	Medium beige/grey to purple/grey; FG-MG; str fol; str ser flooding in upper half; mod sil flooding in lower half; mod speckled chl; trace sulphides
WZ-19-205W	593.22	635.68	42.46	1B	Pillowed Flows	Dark grey/green; FG; mod fol; 35% bleached patches and banding; bleached areas have str ser/carb/chl/act/qtz alt'n; bleaching is discrete but moderately irregular contacts; mod chl alt'd selvages; trace banded speckled garnets; trace to 3% PY and PO in alt'd banding
WZ-19-205W	635.68	644.23	8.55	6B	Gabbro	Dark grey/green; MG; weak fol; trace banded qtz/carb; weak interstitial bi; weak pervasive chl; barren
WZ-19-205W	644.23	651.29	7.06	1B	Pillowed Flows	Dark grey/green; FG; mod fol; 15% bleached patches and banding; mod chl alt'd selvages; trace banded speckled garnets; barren
WZ-19-205W	651.29	658.17	6.88	1A	Massive Flows	Dark green/grey; FG; weak fol; trace stringer qtz/carb; weak banded bi; weak pervasive chl; barren
WZ-19-205W	658.17	685.00	26.83	6B	Gabbro	Dark grey/green; MG; weak fol; trace banded qtz/carb; weak interstitial bi; weak pervasive chl; barren
WZ-19-205W	685.00	698.69	13.69	1B	Pillowed Flows	Dark grey/green; FG; mod fol; 15-20% bleached patches and banding; mod chl alt'd selvages; trace banded speckled garnets; barren
WZ-19-205W	698.69	701.26	2.57	4B	Feldspar Porphyry	Dark purple/grey; FG-CG; mod-str fol; 35% mod-str corroded and strongly elongated fsp phenos; str interstitial bi; mod sil; barren
WZ-19-205W	701.26	718.85	17.59	1B	Pillowed Flows	Dark grey/green; FG; mod fol; 15-20% bleached patches and banding; mod chl alt'd selvages; trace banded speckled garnets; barren
WZ-19-205W	718.85	740.07	21.22	1Z	Gabbroic with gradational contacts	Dark grey/green; FG-MG; mod fol; trace banded qtz/carb; weak interstitial bi; weak pervasive chl; barren
WZ-19-205W	740.07	759.01	18.94	1B	Pillowed Flows	Dark grey/green; FG; mod fol; 15-20% bleached patches and banding; mod chl alt'd selvages; trace banded speckled garnets; 3% PO in last 20cm
WZ-19-205W	759.01	760.40	1.39	5B	Granodiorite	White/grey; MG; speckled; weak to no fol; 5% speckled albite eyes; 15% speckled mafics; barren
WZ-19-205W	760.40	768.83	8.43	1Z	Gabbroic with gradational contacts	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from FG at UC to CG gabbroic by LC; barren
WZ-19-205W	768.83	769.97	1.14	3D	Iron Formation	Dark grey/purple/brown and white; FG; mod bedding; weak-mod bedded chert; weak-mod car/qtz veinlets; mod bedded chl/ser alteration; weak alb bands; 1% stringer PO; mod mag
WZ-19-205W	769.97	772.45	2.48	1Z	Gabbroic with gradational contacts	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from CG at UC to FG gabbroic by LC; barren
WZ-19-205W	772.45	777.87	5.42	1UT	Ultramafic Talc/Chlorite Altered	Medium bluish/green grey; FG; mod fol; mod-str mag; str per talc; str per chl only around contacts (within 0.5m); trace interstitial bi; mod bands/stringers of white car-rich mineral; barren
WZ-19-205W	777.87	778.99	1.12	4B	Feldspar Porphyry	Dark purple/grey; FG-CG; mod fol; 10% mod-str corroded and strongly elongated fsp phenos; mod interstitial bi; mod sil; weak-mod banded alb; 15cm bi halo at UC; barren
WZ-19-205W	778.99	784.58	5.59	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; weak spread out chert beds in first meter with mod mag; trace PO/PY in first meter
WZ-19-205W	784.58	788.83	4.25	4B	Feldspar Porphyry	Dark purple/grey; FG-CG; mod-str fol; 20% mod-str corroded and strongly elongated fsp phenos; mod interstitial bi; mod sil; mod banded alb; barren
WZ-19-205W	788.83	798.67	9.84	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; weak spread out chert beds/4B patches in first meter; contains a minor 4B and 3D and a small 4B unit; trace stringer PY in first meter
WZ-19-205W	798.67	800.05	1.38	3D	Iron Formation	Dark grey/purple/brown/green; FG; mod bedding; mod bedded chert/ser/chl/qtz; contains a minor 1A; 2% stringer PO; mod mag
WZ-19-205W	800.05	822.41	22.36	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace carb banding; mod interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers; loses foliation from 811.50-815.50m and becomes more gabbroic in texture - still MG - contains larger ser patches; trace qtz veinlets; becomes slightly pillowed in the last few meters; barren
WZ-19-205W	822.41	823.49	1.08	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; mod interstitial bi; mod alb banding; 10% phenos; mod sil; trace hydrothermal pressure fractures; barren
WZ-19-205W	823.49	830.63	7.14	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod-str wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; barren

WZ-19-205W	830.63	833.06	2.43	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; weak shearing; mod interstitial bi; weak qtz veinlets; mod alb banding; <5% phenos; mod sil; trace hydrothermal pressure fractures with trace ser flooding; trace grt; trace PO around 831-831.20m
WZ-19-205W	833.06	843.28	10.22	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod-str wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; barren
WZ-19-205W	843.28	851.98	8.70	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; weak-mod fol; trace carb banding; mod-str interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers/wispy patches; trace qtz veinlets; barren
WZ-19-205W	851.98	856.88	4.90	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod-str wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; contains a minor 6E; barren
WZ-19-205W	856.88	859.35	2.47	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; weak-mod fol; trace carb banding; mod-str interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers/wispy patches; weak qtz veinlets; barren
WZ-19-205W	859.35	862.20	2.85	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; weak shearing; mod interstitial bi; weak qtz veinlets; weak alb banding; <5% phenos; mod sil; weak-mod hydrothermal pressure fractures with trace ser flooding; trace PO with 20cm of each contact.
WZ-19-205W	862.20	866.27	4.07	1A	Massive Flows	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from FG at UC to CG gabbroic by LC trace PO within 20cm of UC
WZ-19-205W	866.27	868.11	1.84	1ALT	Altered Mafic Volcanic	Brownish green beige/grey; FG; str fol; mod clays in fractures and open faulting; str bi; mod chl; weak ser alt'n; 2% stringer and blebby PO
WZ-19-205W	868.11	869.83	1.72	4ALT	Altered Feldspar Porphyry	Brownish purplish beige/grey; FG; str fol; mod clays in fractures and open faulting; str bi; mod chl; weak ser alt'n; 2% stringer and blebby PO
WZ-19-205W	869.83	906.82	36.99	6B	Gabbro	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from FG at UC to CG gabbroic by LC; barren
WZ-19-205W	906.82	908.47	1.65	6E	Intermediate Dyke	Brownish beige/grey; FG; str fol; mod clays in fractures and open faulting; str bi; mod chl; weak ser alt'n; 2% stringer and blebby PO
WZ-19-205W	908.47	918.88	10.41	6B	Gabbro	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from FG at UC to CG gabbroic by LC; barren
WZ-19-205W	918.88	921.28	2.40	4E	Pegmatite	Coarse grained white pink pegmatite. Coarse grained feldspars and qtz comprise the majority of units. Weak kspar alteration
WZ-19-205W	921.28	960.23	38.95	6B	Gabbro	Medium-dark grey/greenish; FG-CG; weak-mod fol; trace carb banding; mod interstitial bi; mod per chl; weak ser stringers; gradational from FG at UC to CG gabbroic by LC; barren
WZ-19-205W	960.23	978.53	18.30	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod-str wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; barren
WZ-19-205W	978.53	981.30	2.77	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; weak-mod fol; trace carb banding; mod-str interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers/wispy patches; weak qtz veinlets; barren
WZ-19-205W	981.30	1057.08	75.78	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod-str wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; barren
WZ-19-205W	1057.08	1076.74	19.66	7A	Diabase	Grey/black; FG-MG; no fol; mod mag; mod speckled bi/amph; weak subrounded sauss felds up to 2cm diameter with weak-mod green colour; trace stringer talc causing fractures; barren
WZ-19-205W	1076.74	1082.89	6.15	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; barren
WZ-19-205W	1082.89	1120.03	37.14	1Z	Gabbroic with gradational contacts	Green/white; FG-CG; mod fol; weak-mod per chl; mod interstitial bi; mod felsic bleaching of FG groundmass through most of unit; weak-mod qtz/car veinlets; alternates between no and weak shearing with variations in grain size; contains a qtz vein; barren
WZ-19-205W	1120.03	1120.81	0.78	1ALT	Altered Mafic Volcanic	Green/brown/smoky; FG; mod fol; mod-str banding bi/ser/chl/qtz; becomes gradually more banded closer to LC; 1% diss PO
WZ-19-205W	1120.81	1124.22	3.41	4ALT	Altered Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; weak lcl shearing; mod interstitial bi; weak qtz veinlets; weak alb banding/patches; 5% lcl phenos; mod sil; weak-mod hydrothermal pressure fractures with weak ser flooding; trace PO typically near small 1ALT sections.
WZ-19-205W	1124.22	1125.38	1.16	1ALT	Altered Mafic Volcanic	Green/brown/smoky; FG; mod fol; str banding bi/ser/chl/qtz; 3% diss PO/1% blebby PY
WZ-19-205W	1125.38	1156.65	31.27	1Z	Gabbroic with gradational contacts	Medium-dark grey/greenish; FG-MG; mod fol; transitions between areas with MG and entirely FG areas; weak carb banding/stringers; mod interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers/wispy patches; mod qtz veinlets/patches; barren
WZ-19-205W	1156.65	1157.84	1.19	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; weak shearing; mod interstitial bi; weak qtz veinlets; weak alb banding; <5% phenos; mod sil; mod hydrothermal pressure fractures with weak ser flooding; 5cm qtz rims on each contact with trace PO
WZ-19-205W	1157.84	1168.49	10.65	1Z	Gabbroic with gradational contacts	Medium-dark grey/greenish; FG-MG; mod fol; transitions between areas with MG and entirely FG areas; weak carb banding/stringers; mod interstitial/lightly banded bi; weak-mod per chl; weak-mod ser stringers/wispy patches; mod qtz veinlets/patches; contains a minor 4B; barren
WZ-19-205W	1168.49	1178.36	9.87	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; weak-mod chl altered selvages <2cm; contains a minor 6E; barren

WZ-19-205W	1178.36	1180.59	2.23	4B	Feldspar Porphyry	Dark Purple/grey; FG-MG; mod fol; weak shearing; mod interstitial bi; weak qtz veinlets/veins; weak-mod alb banding; <5% phenos; mod sil; mod hydrothermal pressure fractures with weak-mod ser flooding; barren
WZ-19-205W	1180.59	1185.69	5.10	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets; weak chl altered selvages <2cm; barren
WZ-19-205W	1185.69	1190.68	4.99	7A	Diabase	Grey/black/green; FG-CG; no fol; mod mag; mod speckled bi/amph; 5% subrounded sauss felds up to 2.5cm diameter with mod green colour - last 2.5 meters have very trace sauss felds; trace stringer talc causing fractures; barren
WZ-19-205W	1190.68	1199.00	8.32	1B	Pillowed Flows	Green/white; FG; mod fol; weak-mod per chl; mod wispy ser banding; mod interstitial/banded bi; mod qtz/car veinlets/veins; weak chl altered selvages <2cm; contains a large qtz vein; 5% PO by small qtz veinlet 1193.83-1193.93m

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-19-205W		Actlabs	A19-06969	Assay	864.27	865.27	1.00	166763		6		
WZ-19-205W		Actlabs	A19-06969	Assay	865.27	866.27	1.00	166764		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	866.27	867.27	1.00	166765		6		
WZ-19-205W		Actlabs	A19-06969	Assay	867.27	868.27	1.00	166766		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	868.27	869.11	0.84	166767		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	869.11	869.83	0.72	166768		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	869.83	870.83	1.00	166769		< 5		
WZ-19-205W		Actlabs	A19-06969	OREAS 215				166770		3520		
WZ-19-205W		Actlabs	A19-06969	Assay	870.83	871.83	1.00	166771		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1119.03	1120.03	1.00	166772		181		
WZ-19-205W		Actlabs	A19-06969	Assay	1120.03	1120.81	0.78	166773		870		
WZ-19-205W		Actlabs	A19-06969	Assay	1120.81	1121.81	1.00	166774		117		
WZ-19-205W		Actlabs	A19-06969	Assay	1121.81	1122.80	0.99	166775		2190		
WZ-19-205W		Actlabs	A19-06969	Assay	1122.80	1123.50	0.70	166776		277		
WZ-19-205W		Actlabs	A19-06969	Assay	1123.50	1124.22	0.72	166777		38		
WZ-19-205W		Actlabs	A19-06969	Assay	1124.22	1124.90	0.68	166778		3170	3.49	
WZ-19-205W		Actlabs	A19-06969	Assay	1124.90	1125.58	0.68	166779		734		
WZ-19-205W		Actlabs	A19-06969	Blank				166780		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1125.58	1126.58	1.00	166781		12		
WZ-19-205W		Actlabs	A19-06969	Assay	1155.61	1156.61	1.00	166782		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1156.61	1157.20	0.59	166783		14		
WZ-19-205W		Actlabs	A19-06969	Assay	1157.20	1157.86	0.66	166784		66		
WZ-19-205W		Actlabs	A19-06969	Assay	1157.86	1158.86	1.00	166785		16		
WZ-19-205W		Actlabs	A19-06969	Assay	1177.34	1178.34	1.00	166786		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1178.34	1179.10	0.76	166787		12		
WZ-19-205W		Actlabs	A19-06969	Assay	1179.10	1179.90	0.80	166788		5		
WZ-19-205W		Actlabs	A19-06969	Assay	1179.90	1180.61	0.71	166789		< 5		
WZ-19-205W		Actlabs	A19-06969	OREAS 210				166790		5470		
WZ-19-205W		Actlabs	A19-06969	Assay	1180.61	1181.35	0.74	166791		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1181.35	1181.65	0.30	166792		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1181.65	1182.30	0.65	166793		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1182.30	1183.00	0.70	166794		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1183.00	1183.77	0.77	166795		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1183.77	1184.07	0.30	166796		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1184.07	1185.07	1.00	166797		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1189.80	1190.80	1.00	166798		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1190.80	1191.10	0.30	166799		< 5		
WZ-19-205W		Actlabs	A19-06969	Blank				166800		< 5		
WZ-19-205W		Actlabs	A19-06969	Assay	1191.10	1192.10	1.00	166651		< 5		

		Hole Number:	WZ-19-211				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					22-Jan-2019	22-Mar-2019	
Planned Coordinates		Azimuth:	40	Drill Contractor:	Foraco Canada Ltd		
Easting	645191						
Northing	5407575	Dip:	-82	Dates Logged:	Start Date:	End Date:	
Elevation(m)	406.69				23-Jan-2019	23-Mar-2019	
Final Pick up		Depth(m):	1783.91	Logger 1:	Josh Zundi		
Easting					Core Size:	NQ	Logger 2:
Northing		Assay Lab:	Actlabs				
Elevation(m)							
Casing							
Purpose of Hole	Middle Zone deep exploration	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	42.8	-83.3			47.6
		21.0	42.8	-83.3	5647	6m hex; 18	50.4
		51.0	39.5	-83.0	5612	6m hex; 18	47.1
		81.0	37.4	-83.0	5606		45
		111.0	40.6	-82.9	5598		48.2
		141.0	38.1	-82.9	5602	6m hex; 18	45.7
		171.0	41.0	-82.7	5651	6m hex; 18	48.6
		201.0	40.8	-82.3	5606		48.4
		231.0	39.8	-82.5	5600		47.4
		261.0	41.8	-82.3	5603	6m standa	49.4
		291.0	39.6	-82.2	5605	6m standa	47.2
		321.0	36.8	-82.2	5597		44.4
		351.0	40.1	-82.2	5602	6m standa	47.7
		381.0	40.0	-82.0	5596	6m standa	47.6
		411.0	38.0	-82.1	5587		45.6
		441.0	41.5	-82.1	5589		49.1
		471.0	37.9	-81.8	5602	6m standa	45.5
		522.0	38.0	-81.5	5603	6m standa	45.6
		552.0	41.6	-80.4	5608		49.2
		582.0	41.2	-80.1	5601		48.8
		612.0	40.9	-79.9	5603	6m standa	48.5
		642.0	39.6	-79.5	5592		47.2
		672.0	42.6	-78.3	5604	6m standa	50.2
		702.0	40.7	-77.8	5611	6m standa	48.3
		732.0	42.6	-77.4	5602		50.2
		762.0	44.9	-77.1	5586	6m standa	52.5
		792.0	46.3	-76.6	5595	6m standa	53.9
		824.0	49.8	-75.2	5685	6m standa	57.4
		834.0	47.7	-75.3	5492	at 836 6m	55.3
		864.0	49.8	-75.2	5685	6m standa	57.4
		894.0	47.7	-75.3	5492	6m standa	55.3
		927.0	58.7	-75.2	5501	6m standa	66.3
		957.0	56.0	-74.2	5713	at 939 and	63.6
		987.0	54.6	-73.9	5673	at 984 cha	62.2
		1017.0	54.6	-73.9	5660	6m standa	62.2
		1047.0	55.0	-73.2	5620	6m standa	62.6
		1077.0	53.5	-73.3	5650	6m standa	61.1
		1107.0	67.5	-73.2	5268	6m standa	75.1
		1137.0	58.4	-73.3	5665	6m standa	66
		1167.0	60.4	-73.4	5671	6m standa	68
		1197.0	62.0	-72.9	5677	6m standa	69.6
		1227.0	59.0	-73.6	5686	6m standa	66.6
		1257.0	59.7	-73.8	5736	6m standa	67.3
		1287.0	61.0	-73.9	5656	6m standa	68.6
		1317.0	60.9	-74.0	5650	6m standa	68.5
		1347.0	63.7	-74.0	5721	wedged at	71.3
		1364.0	62.2	-71.6	5603	3m standa	69.8
		1379.0	66.5	-71.9	5629	3m standa	74.1
		1409.0	66.2	-71.4	5613	wedged at	73.8
		1424.0	64.2	-68.9	5614	3m standa	71.8
		1439.0	67.0	-68.5	5626	3m standa	74.6
		1469.0	65.9	-67.8	5627	3m standa	73.5
		1500.0	66.6	-67.8	5667	at 1487 6m	74.2
		1530.0	67.7	-67.4	5646	6m standa	75.3
		1560.0	69.2	-67.2	5624	6m standa	76.8
		1587.0	69.2	-67.1	5631	6m standa	76.8
		1620.0	68.9	-66.7	5638	6m standa	76.5
		1650.0	71.4	-66.6	5627	6m standa	79
		1680.0	74.0	-65.8	5822	6m standa	81.6
		1713.0	75.0	-65.6	5628	6m standa	82.6
		1749.0	74.7	-65.4	5653	6m standa	82.3
		1779.0	80.0	-65.4	5652	6m standa	87.6

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-19-211	0.00	0.45	0.45	CAS	Casing	
WZ-19-211	0.45	15.54	15.09	6B	Gabbro	Dark green/grey; FG-MG; weak fol; weak disseminated bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	15.54	16.88	1.34	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 20% phenos; weak disseminated bi; mod sil; barren
WZ-19-211	16.88	20.42	3.54	6B	Gabbro	Dark green/grey; FG-MG; mod fol; weak shearing present; weak-mod disseminated/stringer bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	20.42	22.44	2.02	4B	Feldspar Porphyry	Medium purple/grey; weak-str fol; FG-MG; 5% phenos; mod shearing through majority of unit; mod disseminated bi creating stringers from shearing; mod sil; barren
WZ-19-211	22.44	40.16	17.72	6B	Gabbro	Dark green/grey; FG-CG; weak-str fol; mod shearing present in 1m section around the 26m mark & str shearing from 28m-34m; weak-mod disseminated/stringer bi; mod pervasive chl; chl becomes stringer texture in area of high shearing; weak Qtz-car patches/bands; weak ser bleaching; 34m-40m grains overprinted by strong chl alteration; grain boundary creep; barren
WZ-19-211	40.16	42.24	2.08	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 25% phenos; weak disseminated bi; trace alb banding; mod sil; 10cm fault with gauge at 41.3m from gabbro minor; barren
WZ-19-211	42.24	53.03	10.79	6B	Gabbro	Dark green/grey; FG-MG; mod-str fol; mod-str shearing with patches of weak shearing; weak disseminated/stringer bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	53.03	56.41	3.38	4B	Feldspar Porphyry	Medium purple/grey; str fol; FG-MG; 10% phenos; heavy shearing; mod disseminated bi elongated due to shearing; mod sil; weak-mod ser flooding; barren
WZ-19-211	56.41	67.88	11.47	6B	Gabbro	Dark green/grey; FG-MG; weak fol; weak disseminated/stringer bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	67.88	69.52	1.64	4B	Feldspar Porphyry	Medium purple/grey; weak fol; FG-MG; 15% phenos; weak disseminated bi; mod sil; barren
WZ-19-211	69.52	74.19	4.67	6B	Gabbro	Dark green/grey; FG-MG; weak-mod fol; zones of weak shearing; weak disseminated/stringer bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	74.19	75.78	1.59	1A	Massive Flows	Dark green/grey; FG; weak fol; weak disseminated bi; Contains 30% 4B (light purp/grey; 15% phenos) with brecciated contacts between them; barren
WZ-19-211	75.78	94.74	18.96	6B	Gabbro	Dark green/grey; FG-MG; weak-mod fol; zones of mod shearing; weak disseminated/stringer bi; mod pervasive chl; weak Qtz-car patches/bands; barren
WZ-19-211	94.74	102.10	7.36	4B	Feldspar Porphyry	Light/Medium purple/grey; weak fol; FG-MG; 20% phenos; weak disseminated bi; mod sil; mod-str flooded/stringer fuchsite; 20% of phenos=k-spar altered; barren
WZ-19-211	102.10	108.65	6.55	6B	Gabbro	Dark green/grey; FG-MG (str grain size reduction); str fol; str disseminated/stringer bi; str pervasive/stringer chl; str ser flooding; heavily altered; possible debris flow?; mod crenulation; barren
WZ-19-211	108.65	135.88	27.23	4B	Feldspar Porphyry	Light/Medium purple/grey; weak-str fol; FG-MG; 20% phenos; weak disseminated bi; weak sil; trace flooded/stringer fuchsite; 2% sye flooding/stringer; weak flooded ser; mod shearing from 118.75-120.78m; contains 1 minor of less altered 4B and 6 minors 6B; 5% of phenos=k-spar altered; around 127m mark it becomes very similar to Diorite and could be considered either unit; barren
WZ-19-211	135.88	146.88	11.00	6B	Gabbro	Dark grey/blue/green; FG-very CG(str grain size reduction); weak-mod fol; weak shearing - 15% areas of mod shearing; weak pervasive chl; weak-mod mica crenulation around larger grains - stronger in areas of stronger shearing; weak car/chl/bi/ser banding/bleaching/patches; barren
WZ-19-211	146.88	150.11	3.23	4B	Feldspar Porphyry	Medium grey/barely purple; mod fol; FG-MG; 20% phenos; mod disseminated bi; weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	150.11	179.05	28.94	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); weak-mod fol; weak shearing - 10% areas of mod shearing; weak pervasive chl; weak-str mica crenulation around larger grains - stronger in areas of stronger shearing and especially replacement; weak car/chl/bi/ser banding/bleaching/patches; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-19-211	179.05	180.12	1.07	4B	Feldspar Porphyry	Medium grey/barely purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	180.12	196.13	16.01	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); weak-mod fol; weak shearing - 5% areas of mod shearing; weak pervasive chl; mod mica crenulation around larger grains; weak car/chl/bi/ser banding/bleaching/patches; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren

WZ-19-211	196.13	198.20	2.07	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 20% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	198.20	201.00	2.80	6B	Gabbro	Dark grey/blue/green; FG-very CG (str grain size reduction); mod fol; weak shearing; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-19-211	201.00	203.24	2.24	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; no-weak sil; weak flooded ser; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	203.24	206.48	3.24	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); mod fol; weak shearing; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-19-211	206.48	207.45	0.97	4B	Feldspar Porphyry	light/Medium grey/ purple; weak fol; FG-MG; 10% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	207.45	214.80	7.35	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; parent mineral of CG is replaced/overprinted by chl grains that have grown further; barren
WZ-19-211	214.80	215.83	1.03	6E	Intermediate Dyke	white/grey/black; mod fol; FG-MG; parent phenos replaced with str interstitial bi; barren
WZ-19-211	215.83	218.43	2.60	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-19-211	218.43	219.55	1.12	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 25% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	219.55	224.79	5.24	6B	Gabbro	Dark grey/blue/green; FG-CG (str grain size reduction); weak fol; weak pervasive chl; mod mica crenulation around larger grains; parent mineral of CG is replaced/overprinted by chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-19-211	224.79	229.71	4.92	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 25% phenos; weak disseminated bi; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	229.71	233.40	3.69	6B	Gabbro	Dark grey/blue/green; FG-MG; weak fol; weak pervasive chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-19-211	233.40	235.59	2.19	6E	Intermediate Dyke	white/grey/black; mod fol; FG-MG; parent phenos replaced with str interstitial bi; barren
WZ-19-211	235.59	238.16	2.57	3ALT	Altered Sediments	white/green/grey/brown; FG; weak-str fol; boudinaged car/ser bands; mod bi/chl/ser bleaching/banding; very str local bi banding; contains 10cm section of str sil banded chert; barren
WZ-19-211	238.16	239.43	1.27	6E	Intermediate Dyke	white/grey; mod fol; FG; 5% blebby band-filling PO; car/cal banding/bleaching; weak/overprinted sil
WZ-19-211	239.43	241.16	1.73	3D	Iron Formation	white/grey; mod fol; FG; 5% blebby band-filling PO; car/cal banding/bleaching; wispy chl/ser bands
WZ-19-211	241.16	243.97	2.81	3ALT	Altered Sediments	white/green/grey/pink/brown; FG; mod fol; boudinaged car/ser bands; mod bi/chl/ser bleaching/banding; 5% blebby band-filling PO; trace CPY; 8% garnet appearing very strongly in local band-patterns
WZ-19-211	243.97	252.69	8.72	3D	Iron Formation	white/grey; mod fol; FG; 5% blebby band-filling PO; mod car/cal/bi banding/bleaching; 1% garnets - spotted locally; weak car patches
WZ-19-211	252.69	259.80	7.11	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod ser/chl/ser banding/bleaching; trace lcl boudinage; weak pervasive chl; barren
WZ-19-211	259.80	260.89	1.09	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; weak shearing; FG-MG; 10% phenos; mod disseminated bi elongated by shearing; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	260.89	270.10	9.21	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod ser/chl/ser banding/bleaching; weak pervasive chl; barren
WZ-19-211	270.10	273.84	3.74	4B	Feldspar Porphyry	Medium grey/ purple; weak fol; FG-MG; 10% phenos; no-weak sil; mod chl/bi stockwork; qtz flooding in several bands throughout; weak alb banding barren
WZ-19-211	273.84	282.90	9.06	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; mod-str ser/chl/ser banding/bleaching; trace lcl boudinage; weak pervasive chl; barren
WZ-19-211	282.90	284.19	1.29	6E	Intermediate Dyke	grey/brown; FG; mod fol; boudinaged car/ser bands; very str local bi banding; contains 15cm section of str bands chl/car/ser/act; barren
WZ-19-211	284.19	288.19	4.00	1A	Massive Flows	Dark green/brown/grey; mod fol; FG; mod diss/banded bi; mod ser/chl/ser banding/bleaching; weak pervasive chl; barren
WZ-19-211	288.19	289.63	1.44	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; weak shearing; FG-MG; 10% phenos; mod disseminated bi elongated by shearing; no-weak sil; is very similar to Diorite and could be considered either unit; barren
WZ-19-211	289.63	299.76	10.13	1B	Pillowed Flows	Dark green/brown/grey; mod fol; FG; str lcl bi banding; str ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; barren
WZ-19-211	299.76	300.81	1.05	4B	Feldspar Porphyry	Medium grey/ purple; mod fol; FG-MG; 20% phenos; mod disseminated bi slightly elongated due to foliation; no-weak sil; barren

WZ-19-211	300.81	305.52	4.71	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak bi banding; mod wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; barren
WZ-19-211	305.52	314.29	8.77	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss/banded bi; trace ser/chl/ser banding/bleaching; mod pervasive chl; barren
WZ-19-211	314.29	319.31	5.02	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak diss/banded bi; mod wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; contains 20cm unit of k-spar 4E; barren
WZ-19-211	319.31	320.89	1.58	6B	Gabbro	Dark grey/blue/green; FG-MG; weak fol; weak pervasive chl; trace car/chl/bi/ser banding/bleaching/patches; barren
WZ-19-211	320.89	335.48	14.59	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss/banded bi; weak-mod ser/chl/ser banding/bleaching; mod pervasive chl; barren
WZ-19-211	335.48	342.48	7.00	1B	Pillowed Flows	medium green/grey; mod-str fol; FG; str diss/banded bi - bands up to 3cm wide; str wispy ser/chl/ser banding/bleaching; mod pervasive chl; mod chl altered selvages; contains 1 minor 4B; barren
WZ-19-211	342.48	354.70	12.22	4B	Feldspar Porphyry	Light/Medium grey/purple; mod fol; FG-MG; 5% phenos; mod sil; mod alb banding; mod ser flooding and hydrothermal pressure-fracture filling; contains a minor of 1A as well as a 20cm section that looks like a car/cal vein that has been heavily altered by bi stringers that run through the entire vein - composing about 50%; barren
WZ-19-211	354.70	369.55	14.85	1B	Pillowed Flows	medium green/grey; mod fol; FG; mod diss/banded bi; mod wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; mod chl altered selvages; barren. Contains a minor of 4B and 6B and a section from 367.23-368.22m that is almost entirely bleached with ser/act/car/bi with almost no green chl colour visible.
WZ-19-211	369.55	377.69	8.14	1A	Massive Flows	Dark green/grey; weak fol; FG; mod diss/banded bi; weak-mod ser/chl/ser banding/bleaching; mod pervasive chl; contains a qtz vein; trace blebby PO
WZ-19-211	377.69	404.58	26.89	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; weak wispy ser/chl/ser banding/bleaching/patches; trace grt found in small car vein; mod pervasive chl; infrequent pillowing - up to 1m apart - pillow selvages up to 5cm thick; trace PO. Contains 4 minors 6A; 2 minor 5B; 1 minor 4B
WZ-19-211	404.58	406.70	2.12	6E	Intermediate Dyke	grey/brown; FG; mod fol; mod-str diss bi elongated by fol; weak qtz/car veinlets; barren
WZ-19-211	406.70	409.06	2.36	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; mod-str wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; pillow selvages up to 5cm thick; trace PO. Upper contact is 5cm area of pure bi/chl
WZ-19-211	409.06	414.06	5.00	6A	Diorite	Dark green/grey; weak fol; FG-CG; unit is 50% altered Diorite and 50% 1A. 6A half is more CG with most of the mafic minerals replaced with large grains of chl - making it the same colour as the 1A; felsic minerals and remaining mafics are FG. 1A unit has trace PO; weak car/ser bleaching and patching; weak chl/car hairline fractures
WZ-19-211	414.06	418.50	4.44	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; mod-str wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; pillow selvages up to 3cm thick; barren
WZ-19-211	418.50	419.70	1.20	1A	Massive Flows	Dark green/grey; weak fol; FG-MG; mod diss/stringer bi; mod pervasive chl; speckled with FG felsic minerals; barren
WZ-19-211	419.70	423.41	3.71	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; weak-mod car/cal hairline fractures; mod pervasive chl; barren
WZ-19-211	423.41	456.12	32.71	1A	Massive Flows	Dark green/grey; weak fol; FG-CG; mod diss bi/chl creating CG; trace larger bands of bi; upper contact has brecciated section of banded bi/alterd diorite/chl bands; mod pervasive chl; contains several car/qtz veinlets; barren. Contains qtz vein and several 10-15cm 5B sections.
WZ-19-211	456.12	458.42	2.30	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; weak car/cal hairline fractures; weak ser/chl/ser banding/bleaching; mod pervasive chl; barren
WZ-19-211	458.42	463.89	5.47	1A	Massive Flows	Dark green/grey; weak fol; FG-CG; mod diss bi/chl creating CG; trace larger bands of bi; contains 15% very FG felsic minerals throughout; barren
WZ-19-211	463.89	470.43	6.54	1B	Pillowed Flows	medium green/grey; mod fol; FG; weak-mod diss/banded bi; weak wispy ser/chl/ser banding/bleaching/patches; mod pervasive chl; infrequent pillowing - up to 1m apart - pillow selvages up to 2cm thick; weak sil; barren
WZ-19-211	470.43	486.82	16.39	1A	Massive Flows	Dark green/grey; weak fol; FG; weak diss bi; str car/cal hairline fractures; trace ser/chl/ser banding/bleaching; mod pervasive chl; mod sil; barren
WZ-19-211	486.82	490.65	3.83	FZ	Fault Zone	25cm 3D w/ 5% sulphides at upper contact; mostly competent core w/ discrete str faults; one zone has very strong fault gouge; str chl/talc; mod sil; weak to no hairline fracturing throughout; trace sulphides
WZ-19-211	490.65	520.46	29.81	1A	Massive Flows	Dark green/black/grey; weak fol; FG-MG; weak diss bi; str carb/cal hairline fractures; trace ser/chl/ser banding/bleaching; mod pervasive chl; mod sil; barren
WZ-19-211	520.46	536.00	15.54	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and carb veinlets; barren
WZ-19-211	536.00	537.28	1.28	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; mod diss msc; str chl/bi halos; barren
WZ-19-211	537.28	542.46	5.18	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and carb veinlets; barren
WZ-19-211	542.46	544.15	1.69	4B	Feldspar Porphyry	Medium-dark purple/grey; FG-MG; 5% mod corroded fsp phenos; mod interstitial bi; weak sil; barren



WZ-19-211	544.15	547.25	3.10	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and carb veinlets; barren
WZ-19-211	547.25	548.60	1.35	6E	Intermediate Dyke	Medium-dark purple/grey; FG; mod interstitial bi; weak sil; barren
WZ-19-211	548.60	557.60	9.00	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and carb veinlets; barren
WZ-19-211	557.60	566.40	8.80	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; mod stringer wispy ser bleaching; trace stringer qtz; mod chl; barren; w/ minor 3D w/ 5-10% lcl PY and PO
WZ-19-211	566.40	598.90	32.50	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-19-211	598.90	602.63	3.73	1A	Massive Flows	Light green beige grey; FG; str mottled/alt'n; str act/ser/bi/calcite; 5% blebby PO; str apatite
WZ-19-211	602.63	611.50	8.87	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; qtz veins in lower 1m w/ stronger alt'n banding; barren
WZ-19-211	611.50	613.53	2.03	4F	Felsic Dyke	White and grey; possibly 5B but MG w/ str wispy and cloudy mafics; amph/bi; mod qtz patches; barren
WZ-19-211	613.53	659.79	46.26	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-CG; gradational; mod chl; trace qtz and carb veinlets; barren
WZ-19-211	659.79	662.16	2.37	QV	Quartz Vein	Less than half the core; longitudinal; white bull qtz; wispy irregular contacts; mod rafted host/chl; barren
WZ-19-211	662.16	704.55	42.39	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-19-211	704.55	706.30	1.75	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 35% MG mod corroded and elongated fsp phenos; mod interstitial bi; mod fol; barren
WZ-19-211	706.30	735.21	28.91	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-MG; gradational; mod chl; trace qtz and carb veinlets; 5% 5B less than 25cm; barren
WZ-19-211	735.21	751.10	15.89	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-19-211	751.10	752.75	1.65	5B	Granodiorite	White grey; MG; mod disseminated amph and bi; mod diss msc; 2% qtz veinlets; barren
WZ-19-211	752.75	796.44	43.69	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-19-211	796.44	797.66	1.22	5B	Granodiorite	White/grey; FG-MG; wispy/patchy bi/amph; mod patchy qtz flooding/banding; barren
WZ-19-211	797.66	805.37	7.71	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; mod-str stringer wispy and banded ser bleaching and bi; trace speckled garnets; trace stringer qtz; mod chl alt'd selvages; barren
WZ-19-211	805.37	811.18	5.81	4B	Feldspar Porphyry	<b>WEDGE at 804m:</b> Medium-dark purple brown grey; FG w/ MG mod corroded and elongated fsp phenos up to 20%; mod to str interstitial bi; weak sil; barren
WZ-19-211	811.18	819.91	8.73	1B	Pillowed Flows	Medium-dark green/grey; FG; mod fol; weak-mod chl; mod interstitial bi; weak-mod wispy bleaching; trace speckled garnets; trace car/qtz veinlets; weak-mod chl alt'd selvages; trace PO found in bleaching/car veinlets
WZ-19-211	819.91	826.79	6.88	1Z	Gabbroic with gradational contacts	Medium-dark Green/grey; FG-MG; gradational; mod chl; mod interstitial bi; trace qtz/carb/act/bi/ser veinlets/stringers; barren
WZ-19-211	826.79	843.34	16.55	6B	Gabbro	Dark/medium green; FG-CG; weak fol; mod-str pervasive chl; FG minerals bleached/replaced with felsic minerals; mod stringer bi/act/ser; barren
WZ-19-211	843.34	844.61	1.27	1Z	Gabbroic with gradational contacts	Dark/medium green; FG-MG; mod fol; weak shearing; weak-mod pervasive chl; weak FG minerals bleached/replaced with felsic minerals; trace stringer bi/act/ser; barren
WZ-19-211	844.61	848.68	4.07	6B	Gabbro	Dark/medium green; FG-CG; weak fol; mod-str pervasive chl; FG minerals bleached/replaced with felsic minerals; mod stringer bi/act/ser; barren
WZ-19-211	848.68	853.85	5.17	6E	Intermediate Dyke	grey/brown; FG-CG; mod fol; large chl altered phenos (potentially gabbro xenos); weak qtz veinlets; barren
WZ-19-211	853.85	855.59	1.74	1Z	Gabbroic with gradational contacts	Medium green; FG-CG; mod fol; weak lcl shearing; weak car patches; mod per chl; weak qtz veinlets; mod interstitial bi; str bi patchy alteration near LC; weak alb stringers/patches; barren
WZ-19-211	855.59	856.42	0.83	4ALT	Altered Feldspar Porphyry	Light-Med Purple; mod fol; FG; mod hydrothermal pressure fractures with mod ser flooding; mod qtz veinlets - most contained in small bands of mafics; mod sil; barren
WZ-19-211	856.42	864.62	8.20	1A	Massive Flows	Medium green; FG; weak fol; mod interstitial bi; mod per chl; weak stringers/patches ser/act; weak banded car/qtz veinlets; barren
WZ-19-211	864.62	865.79	1.17	3D	Iron Formation	Light/medium green/grey; FG; mod fol; mod mag; wispy cherty beds with mod chl/ser stringers through them; weak chl patches; 2% PO disseminated through unit
WZ-19-211	865.79	869.19	3.40	1A	Massive Flows	Medium green; FG-MG; weak fol; mod interstitial bi; mod per chl; weak-mod wispy stringers/bands ser/act/alb; weak patchy car; barren
WZ-19-211	869.19	870.35	1.16	4B	Feldspar Porphyry	Light-Med Purple; mod-str fol; FG; weak shearing; mod-str interstitial bi elongated by fol; weak hydrothermal pressure fractures with very little ser flooding; weak-mod sil; barren. Small alb rims
WZ-19-211	870.35	883.31	12.96	1UT	Ultramafic Talc/Chlorite Altered	Green/light grey; FG-MG; mod fol; str per chl; str ser/alb/act wispy patchy banding; str mag until 876.93 then no mag for the rest of the unit; barren

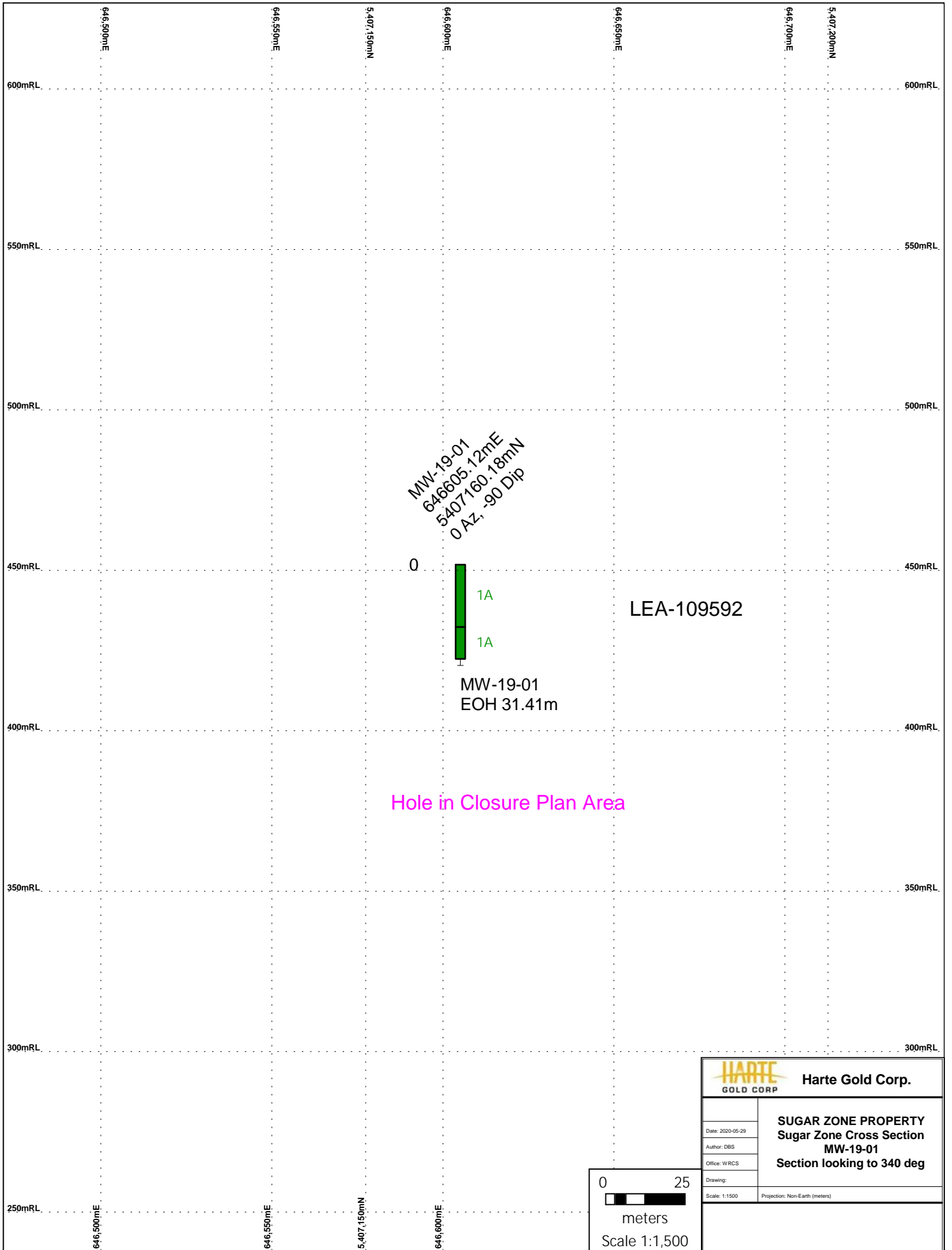
WZ-19-211	883.31	885.47	2.16	4E	Pegmatite	White/smoky/pink; FG-CG; no fol; 25% smoky qtz; 35% white felds; 10% speckled mafics; 5% msc; very str banded speckled grt/syenite; barren
WZ-19-211	885.47	912.65	27.18	1UT	Ultramafic Talc/Chlorite Altered	Green/light grey; FG-MG; mod fol; str ser wispy patchy banding; UC-889.28 = no mag/str chl; 889.28-891.93=str mag/str per talc instead of chl; 891.93-894.16=str mag/str per chl/little ser bleaching; 894.16-901.04=no mag/str ser/str chl; 901.04-908.45=no mag/str chl/weak ser; 908.45-LC=str mag/str chl/no ser; trace PO near LC. Contains minor 4E and 3D
WZ-19-211	912.65	914.54	1.89	3B	Argillite	Grey; FG; mod fol; str bedded silts and clays; unit has about 30% 1A units in it with mod bi/ser wispy patchy bands; barren
WZ-19-211	914.54	922.42	7.88	1Z	Gabbroic with gradational contacts	Medium green; FG-CG; mod fol; weak lcl shearing; weak car patches; mod per chl; mod interstitial bi; weak-mod ser wispy patches/stringers; barren
WZ-19-211	922.42	926.23	3.81	1A	Massive Flows	Medium green; FG; no fol; mod interstitial bi; mod per chl; trace alb stringers; barren
WZ-19-211	926.23	928.60	2.37	6B	Gabbro	Dark/medium green; FG-CG; weak fol; mod-str pervasive chl; 40% of unit has FG minerals bleached/replaced with felsic minerals; weak stringer/patchy bi/act/ser; barren
WZ-19-211	928.60	944.48	15.88	1UT	Ultramafic Talc/Chlorite Altered	Green/light grey; FG-MG; mod fol; no mag until 930.62m - then str mag for rest of unit; alternates between str per chl&bi; felsic replacement of MG in first couple meters; barren
WZ-19-211	944.48	945.99	1.51	3D	Iron Formation	Light/medium green/grey; FG; mod fol; mod mag; wispy cherty beds with mod chl/ser/bi stringers throughout unit; Unit contains 2 chl/ser-rich qtz veins; 4% PO disseminated through unit
WZ-19-211	945.99	964.81	18.82	1A	Massive Flows	Medium green; FG-MG; mod fol; mod interstitial/banded bi; mod per chl; weak alb stringers/qtz veinlets; trace car patches; str bleaching of groundmass; barren
WZ-19-211	964.81	967.91	3.10	4B	Feldspar Porphyry	Med Purple; mod fol; FG-CG; mod-str interstitial bi elongated by fol; mod sil; str alb banding; 20% phenos up to 2cm; barren. Contains 5B minor
WZ-19-211	967.91	968.63	0.72	QV	Quartz Vein	White/smoky; FG-CG; no fol; contains 25% xenos/patches/stringers of chl/alb/bi; 1% speckled grt throughout vein; 1% PO & 1% PY found in mafics throughout unit
WZ-19-211	968.63	975.63	7.00	4B	Feldspar Porphyry	Med Purple; mod fol; FG-CG; mod-str interstitial bi elongated by fol; mod sil; str alb banding; 20% phenos up to 2cm; barren.
WZ-19-211	975.63	976.14	0.51	4ALT	Altered Feldspar Porphyry	Light Purple/green; FG; str fol; str sil; mod ser flooding; contains mod boudinaged chl/ser/alb/bi that have 3% PO/PY throughout unit. Unit has 1% PO in primary composition
WZ-19-211	976.14	977.18	1.04	1B	Pillowed Flows	Medium green; FG; mod fol; mod interstitial bi; weak chl altered selvages up to 1cm; mod per chl; weak boudinaged bleached banding; weak qtz veinlets; 1% PO
WZ-19-211	977.18	985.21	8.03	1B	Pillowed Flows	Medium green; FG-MG; mod fol; mod interstitial/banded bi; weak selvages up to 2cm; mod per chl; weak-mod wispy bleached banding; weak qtz veinlets; trace PO until 979m
WZ-19-211	985.21	986.75	1.54	3D	Iron Formation	Medium green/grey; FG; mod fol; mod mag; wispy cherty beds with chl/ser/alb/bi stringers through them; 4% PO up to 1cm bleb
WZ-19-211	986.75	988.58	1.83	4B	Feldspar Porphyry	Med Purple; mod fol; FG-CG; mod-str interstitial bi elongated by fol; mod sil; trace alb banding; 20% phenos up to 2cm; barren. Contains a minor 3D
WZ-19-211	988.58	1009.38	20.80	1A	Massive Flows	Medium green; FG; mod fol; mod interstitial bi; mod per chl; trace alb stringers; weak qtz veins; alternates between areas of mod wispy bleaching to areas with no bleaching - each about 50% of unit; contains a minor 3D/4E/5B. Trace PO in meter before 3D minor
WZ-19-211	1009.38	1011.62	2.24	5B	Granodiorite	White/Grey; Fig-MG; 40% speckled bi/amph; barren
WZ-19-211	1011.62	1021.90	10.28	1Z	Gabbroic with gradational contacts	Dark/medium green; FG-CG; mod-str fol; areas of mod shearing; mod-str pervasive chl; 50% of unit has FG minerals bleached/replaced with felsic minerals; weak qtz veinlets; weak stringer/patchy bi/chl; barren. Contains minor 5B
WZ-19-211	1021.90	1035.96	14.06	1B	Pillowed Flows	Med Green; FG; mod fol; mod wispy bleached banding; weak chl altered selvages; weak car in bleaching; mod interstitial bi; mod per chl; contains two minors 5B; barren
WZ-19-211	1035.96	1037.38	1.42	4B	Feldspar Porphyry	Med Purple; weak fol; FG-MG; mod interstitial bi; mod sil; 10% phenos up to 1cm; barren.
WZ-19-211	1037.38	1046.08	8.70	1A	Massive Flows	Med Green; FG; mod fol; mod-str wispy patchy bleached ser/act/alb/bi banding; mod car/qtz veinlets mostly in bleaching; mod interstitial bi; mod per chl; barren
WZ-19-211	1046.08	1048.20	2.12	1A	Massive Flows	Medium green; FG; mod fol; mod interstitial bi; mod per chl; trace alb stringers/qtz veins; barren
WZ-19-211	1048.20	1072.39	24.19	1B	Pillowed Flows	Med Green; FG; mod fol; mod-str wispy patchy bleached ser/act/alb/bi banding; mod-str car veinlets mostly in bleaching; weak qtz veinlets; mod interstitial bi; mod per chl; contains 2 minors 5B; barren
WZ-19-211	1072.39	1075.66	3.27	4B	Feldspar Porphyry	Med Purple; mod fol; FG-MG; mod interstitial bi; weak-mod sil; 15% phenos up to 1cm; weak alb banding; ser bleached halos; barren.
WZ-19-211	1075.66	1092.16	16.50	1B	Pillowed Flows	Med Green; FG; mod fol; mod-str wispy patchy bleached ser/act/alb/bi/car banding; weak qtz veinlets; mod interstitial bi; mod per chl; barren
WZ-19-211	1092.16	1093.18	1.02	6E	Intermediate Dyke	Grey; FG; mod fol; weak banded bi; mod diss amph/bi; weak abnormally shaped alb bands; barren

WZ-19-211	1093.18	1107.67	14.49	1B	Pillowed Flows	Med Green; FG; mod fol; mod-str wispy patchy bleached ser/act/alb/bi banding; weak qtz/car veinlets; trace k-spar alteration; mod interstitial bi; mod per chl; 2% graphite from 1096.85-1096.90 in 5B veinlet
WZ-19-211	1107.67	1111.68	4.01	7C	Lamprophyre	Black/white; FG; no fol; 90% ultramafics with 10% small speckled felsics. Str mag; barren
WZ-19-211	1111.68	1139.65	27.97	1B	Pillowed Flows	Med Green; FG; mod fol; mod-str wispy patchy bleached ser/act/alb/bi banding; ser bleaching appearing more as flooding in some sections; weak-mod qtz veinlets; trace k-spar alteration/car veinlets; mod interstitial bi; mod per chl; barren
WZ-19-211	1139.65	1162.15	22.50	1Z	Gabbroic with gradational contacts	Green/grey; FG-CG; mod fol; weak qtz veins; weak wispy banding/bleaching ser/act/alb; mod interstitial bi; weak-mod per chl; mod replacement felsic replacement of groundmass/speckled felsics/bleaching; contains 2 minors 5B; barren
WZ-19-211	1162.15	1178.26	16.11	1B	Pillowed Flows	Med Green; FG; mod fol; mod wispy patchy bleached ser/act/alb/bi banding; ser bleaching appearing more as flooding in some sections; weak-mod qtz veinlets; weak car veinlets; mod interstitial bi; mod per chl; barren. Contains minor 3D
WZ-19-211	1178.26	1191.48	13.22	1Z	Gabbroic with gradational contacts	Dark/medium green; FG-CG with areas of only FG; mod-str fol; areas of mod shearing; weak-mod pervasive chl; 30% of unit has FG minerals bleached/replaced with felsic minerals; weak qtz veinlets; mod stringer/patchy bi/chl; last 2 meters have mod-str per chl; barren. Contains minor 3D
WZ-19-211	1191.48	1193.06	1.58	1B	Pillowed Flows	Green/grey; FG; weak fol; mod car/qtz veinlets; mod wispy patches ser/bi/act/chl; weak-mod per chl; mod interstitial bi; 2% PO throughout unit
WZ-19-211	1193.06	1204.86	11.80	1Z	Gabbroic with gradational contacts	Dark/medium green; FG-CG with areas of only FG; mod-str fol; mod shearing; weak-mod pervasive chl; unit has FG minerals bleached/replaced with felsic minerals/ser flooding; weak qtz veinlets; mod stringer/patchy bi/chl; barren. Contains minor 7A
WZ-19-211	1204.86	1288.63	83.77	6B	Gabbro	Dark/medium green; FG-CG; mod-str fol; mod shearing; weak-mod pervasive chl; FG groundmass foliated around the CG; trace speckled grt; unit has FG minerals bleached/replaced with felsic minerals/ser flooding; weak qtz veinlets; 1% PO from 1215.40-1215.50m in a qtz veinlet
WZ-19-211	1288.63	1290.05	1.42	4E	Pegmatite	White/pink; coarse grained pegmatite; no foliation. Coarse grained mica is visible throughout unit
WZ-19-211	1290.05	1330.00	39.95	6B	Gabbro	Green grey; fine to medium grained gabbro. Moderate foliation; weak pervasive chlorite; trace garnets; netty sericite; trace qtz carb stringers
WZ-19-211	1330.00	1337.46	7.46	1B	Pillowed Flows	green grey; fine grained; weak foliation; traces qtz/car stringers; weak pervasive chlorite; patchy biotite
WZ-19-211	1337.46	1346.14	8.68	1A	Massive Flows	Grey green; fine to medium grained massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. Pervasive chlorite; wispy qtz carb stringers trace through out unit. @1345 there is a qtz vein carrying massive Pyrrhotite with trace PY and CPY. from 1347-1349 small qtz carb stringers contain blebby pyrite; resulting in 1% py over the 2 m interval
WZ-19-211	1346.14	1369.22	23.08	4B	Feldspar Porphyry	Purplish; fine grained feldspar porphyry; moderate foliation; Phenos are almost entirely corroded resulting in sericite bleaching
WZ-19-211	1369.22	1391.15	21.93	1A	Massive Flows	Grey green; fine to medium grained massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. Pervasive chlorite; wispy qtz carb stringers trace through out unit.
WZ-19-211	1391.15	1392.17	1.02	4E	Pegmatite	White/pink; coarse grained pegmatite; no foliation. Coarse grained mica is visible throughout unit
WZ-19-211	1392.17	1403.03	10.86	1A	Massive Flows	Grey green; fine to medium grained massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. Pervasive chlorite; wispy qtz carb stringers trace through out unit.
WZ-19-211	1403.03	1405.75	2.72	4B	Feldspar Porphyry	Purplish; fine grained feldspar porphyry; moderate folaiton;Phenos are almost entirely corroded resulting in sericite bleaching
WZ-19-211	1405.75	1498.68	92.93	1A	Massive Flows	Grey green; fine to medium grained massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. Pervasive chlorite; wispy qtz carb stringers trace through out unit. Localized sericite around 1433m. Small qtz stringers at1473 that have appear to be fractures offsetting alteration. Last meter contains a car/chl/ser/qtz/k-spar rich patch
WZ-19-211	1498.68	1514.42	15.74	7A	Diabase	Dark grey; FG-MG; no fol; str mag; trace-mod weakly greenish sauss felds (mod close to UC and LC; trace in middle); MG are mafics; barren
WZ-19-211	1514.42	1558.31	43.89	1A	Massive Flows	Grey green; FG-MG massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. weak Pervasive chlorite; mod interstitial bi; wispy qtz carb stringers trace through out unit and lcl small alb patches. Contains 2 minors - a talc rich 1A and a 5B minor.
WZ-19-211	1558.31	1572.23	13.92	1A	Massive Flows	Grey green; FG-MG massive mafic flows. Moderate to strong foliation; with both mafic and felsic grains elongated. weak Pervasive chlorite; mod interstitial bi; mod qtz veinlets/alb dyklets (with weak k-spar alteration) running along foliation. Contains a minor qtz vein. Barren
WZ-19-211	1572.23	1576.62	4.39	6B	Gabbro	Grey/Green; mod fol; FG-CG; mod per chl; mod interstitial bi; weak felsic replacement of groundmass; weak ser/alb/qtz stringers; barren
WZ-19-211	1576.62	1577.99	1.37	4E	Pegmatite	White/grey/pink; CG; no fol; str interstitial/patchy bi; 30% smoky qtz/30% k-spar/20% white felds; mod speckled grt; barren

WZ-19-211	1577.99	1582.68	4.69	1Z	Gabbroic with gradational contacts	Green/grey; FG-CG; mod fol; mod per chl; mod shearing; mod interstitial bi; str sericite stringers in between larger grains and localized flooding over entire unit; barren
WZ-19-211	1582.68	1596.82	14.14	6B	Gabbro	Grey/Green; mod fol; FG-CG; mod per chl; mod interstitial bi; weak felsic replacement of groundmass; weak ser/alb/qtz stringers; barren
WZ-19-211	1596.82	1616.36	19.54	4E	Pegmatite	White/grey/pink/red; CG; no fol; weak interstitial/patchy bi with a 20cm section (with 30cm horse tailed contact) of pure biotite replaced gabbro; 20% smoky qtz/15% k-spar/15% white felds/30% syenite; mod speckled grt; barren. Contains 2 minors 6B
WZ-19-211	1616.36	1641.63	25.27	6B	Gabbro	Grey/Green; mod fol; FG-CG; mod per chl; mod interstitial bi; trace ser stringers/patches near some qtz veinlets; weak qtz veinlets - occasionally running along core axis for meters at a time - no more than 1cm wide; contains a minor 5B; trace PY 1617.70-.80m
WZ-19-211	1641.63	1645.27	3.64	5B	Granodiorite	White/Grey; FG-MG; weak fol; 10% msc (20% for first 30cm); weak qtz veinlets; mod interstitial bi; 60% white felds; mafics are slightly banded with foliation; contains minor 6B; barren
WZ-19-211	1645.27	1654.62	9.35	6B	Gabbro	Grey/Green; mod fol; FG-CG; mod per chl; mod interstitial bi; trace qtz veinlets; contains small 5B banded xenos; barren
WZ-19-211	1654.62	1659.77	5.15	6E	Intermediate Dyke	Light Grey; FG-MG; mod fol; mod interstitial bi; groundmass primarily felsic; barren
WZ-19-211	1659.77	1664.15	4.38	6B	Gabbro	Grey/Green; mod fol; FG-CG; mod per chl; mod interstitial bi; trace qtz veinlets; trace small 5B banded xenos; barren
WZ-19-211	1664.15	1670.34	6.19	4E	Pegmatite	White/grey/pink/red; CG; no fol; mod interstitial bi/amph; 20% smoky qtz/30% k-spar/20% white felds; mod speckled grt; mod speckled/stringer syenite; barren.
WZ-19-211	1670.34	1675.07	4.73	1B	Pillowed Flows	Green/grey; mod fol; FG; mod interstitial bi; mod per chl; mod wispy bleaching; trace car/qtz veinlets; trace PO
WZ-19-211	1675.07	1676.91	1.84	6E	Intermediate Dyke	Medium/dark grey; FG-CG; mod fol; gabbro texture with CG chl/bi altered 1675.07-1675.57m (rest is FG-MG); groundmass is an intermediate grey; mod interstitial bi; barren
WZ-19-211	1676.91	1688.85	11.94	1B	Pillowed Flows	Green/grey; mod fol; FG; mod interstitial bi; mod per chl; weak-mod pillow selvages up to 2cm; mod wispy bleaching; weak-mod car/qtz veinlets; 1% PO for first 4.5 meters - trace for rest of unit; qtz vein 1677.62-1677.74
WZ-19-211	1688.85	1691.85	3.00	5B	Granodiorite	White/Grey; FG-MG; weak fol; 10% felds eyes; weak qtz veinlets; mod interstitial bi; 60% white felds; mafics are slightly banded with foliation; barren
WZ-19-211	1691.85	1703.89	12.04	1B	Pillowed Flows	Green/grey; mod fol; FG; mod interstitial bi; mod per chl; weak-mod pillow selvages up to 2cm; mod wispy bleaching with trace k-spar alt; weak-mod car/qtz veinlets; 0.5% PO; contains 2 minors of 5B
WZ-19-211	1703.89	1704.92	1.03	4E	Pegmatite	White/grey/pink/red; CG; no fol; weak interstitial bi; 30% smoky qtz/30% k-spar/30% white felds; weak speckled grt; barren.
WZ-19-211	1704.92	1725.89	20.97	1B	Pillowed Flows	Green/grey; mod fol; FG; mod interstitial bi; mod per chl; mod pillow selvages up to 3cm; weak-mod wispy bleaching; weak car/qtz veinlets; trace PO (1720-1720.50m)
WZ-19-211	1725.89	1735.63	9.74	4E	Pegmatite	White/grey/pink/red; CG; no fol; mod interstitial bi/amph; 20% smoky qtz/30% k-spar/20% white felds; mod speckled grt; mod speckled/stringer syenite; 1% molybdenite
WZ-19-211	1735.63	1739.24	3.61	7A	Diabase	Dark grey; FG-CG; no fol; mod mag; weak weakly greenish sauss felds up to 4cm diameter; MG are mafics; mod interstitial bi; barren
WZ-19-211	1739.24	1762.31	23.07	1B	Pillowed Flows	Green; FG; mod fol; mod interstitial bi; mod per chl; mod ser/act wispy bleached bands; mod qtz veinlets/patches; trace car veinlets; trace lcl boudinage; weak chl altered selvages up to 2cm; contains a minor 5B at LC; trace PO in qtz
WZ-19-211	1762.31	1770.49	8.18	4B	Feldspar Porphyry	Purple/Green; FG-MG; mod fol; mod sil; mod interstitial bi; weak-mod lcl hydrothermal pressure fractures with weak-mod ser flooding around them; mod alb banding; 7% phenos; barren
WZ-19-211	1770.49	1774.43	3.94	4E	Pegmatite	Pink/white/grey; CG; no fol; 40% k-spar/20% mafics/10% smoky qtz/20% white felds; weak speckled syenite/grt; mod interstitial bi; barren
WZ-19-211	1774.43	1783.32	8.89	4E	Pegmatite	White/grey; MG-CG; no fol; unit is halfway between 5B and 4E with areas of CG and areas of MG; mod interstitial amph/bi; 40% mafics/40% white felds/10% smoky qtz/5% lcl k-spar/syenite; barren
WZ-19-211	1783.32	1783.91	0.59	6B	Gabbro	Dark green; mod fol; FG-CG; str per bi; weak per chl; barren

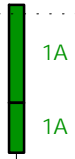
BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-19-211		Actlabs	A19-03930			Assay	854.59	855.59	1.00	166547		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	855.59	856.42	0.83	166548		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	856.42	857.42	1.00	166549		< 5		
WZ-19-211		Actlabs	A19-03930			OREAS 215				166550		6460		
WZ-19-211		Actlabs	A19-03930			Assay	966.91	967.91	1.00	166551		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	967.91	968.63	0.72	166552		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	968.63	969.63	1.00	166553		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	974.63	975.63	1.00	166554		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	975.63	976.14	0.51	166555		< 5		
WZ-19-211		Actlabs	A19-03930			Assay	976.14	977.14	1.00	166556		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1568.13	1569.13	1.00	166557		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1569.13	1569.71	0.58	166558		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1569.71	1570.71	1.00	166559		< 5		
WZ-19-211		Actlabs	A10-05039			Blank				166560		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1677.00	1678.00	1.00	166561		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1678.00	1679.00	1.00	166562		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1679.00	1680.00	1.00	166563		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1680.00	1681.00	1.00	166564		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1681.00	1682.00	1.00	166565		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1697.47	1697.91	0.44	166566		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1697.91	1698.30	0.39	166567		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1698.30	1699.30	1.00	166568		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1699.30	1699.81	0.51	166569		< 5		
WZ-19-211		Actlabs	A10-05039			OREAS 210				166570		5570		
WZ-19-211		Actlabs	A10-05039			Assay	1699.81	1700.81	1.00	166571		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1759.47	1760.47	1.00	166572		12		
WZ-19-211		Actlabs	A10-05039			Assay	1760.47	1761.47	1.00	166573		9		
WZ-19-211		Actlabs	A10-05039			Assay	1761.47	1762.31	0.84	166574		8		
WZ-19-211		Actlabs	A10-05039			Assay	1762.31	1763.31	1.00	166575		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1763.31	1764.31	1.00	166576		< 5		
WZ-19-211		Actlabs	A10-05039			Assay	1764.31	1765.31	1.00	166577		< 5		

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



MW-19-01  
 646605.12mE  
 5407160.18mN  
 0 Az, -90 Dip



0

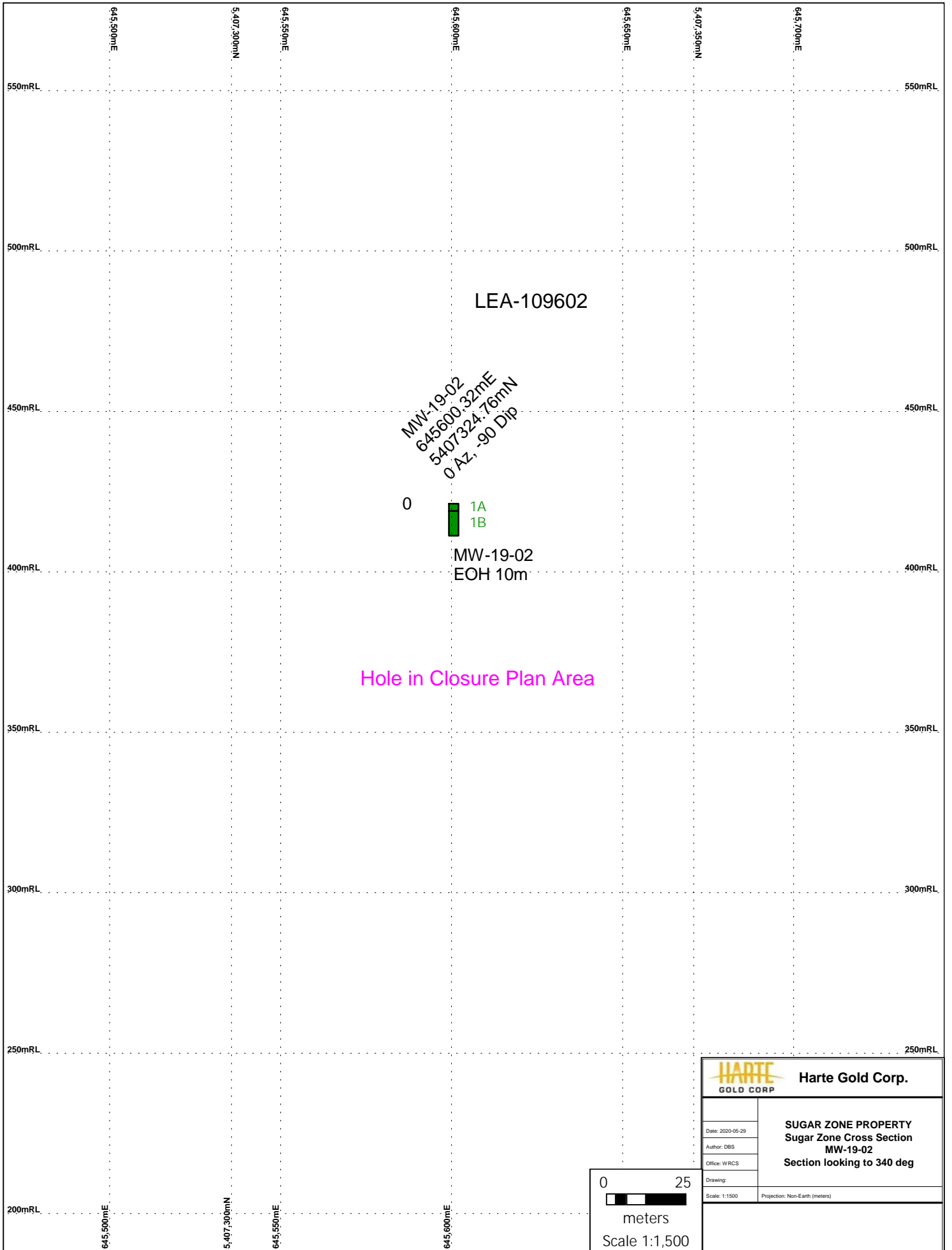


MW-19-01  
 EOH 31.41m

LEA-109592

Hole in Closure Plan Area

 <b>Harte Gold Corp.</b>	
Date: 2020-05-29	<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>MW-19-01</b> <b>Section looking to 340 deg</b>
Author: DBS	
Office: WRCs	
Drawing:	Projection: Non-Earth (meters)
 Scale: 1:1,500	



LEA-109602

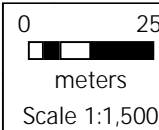
MW-19-02  
 645600.32mE  
 5407324.76mN  
 0 Az, -90 Dip

0  
 1A  
 1B

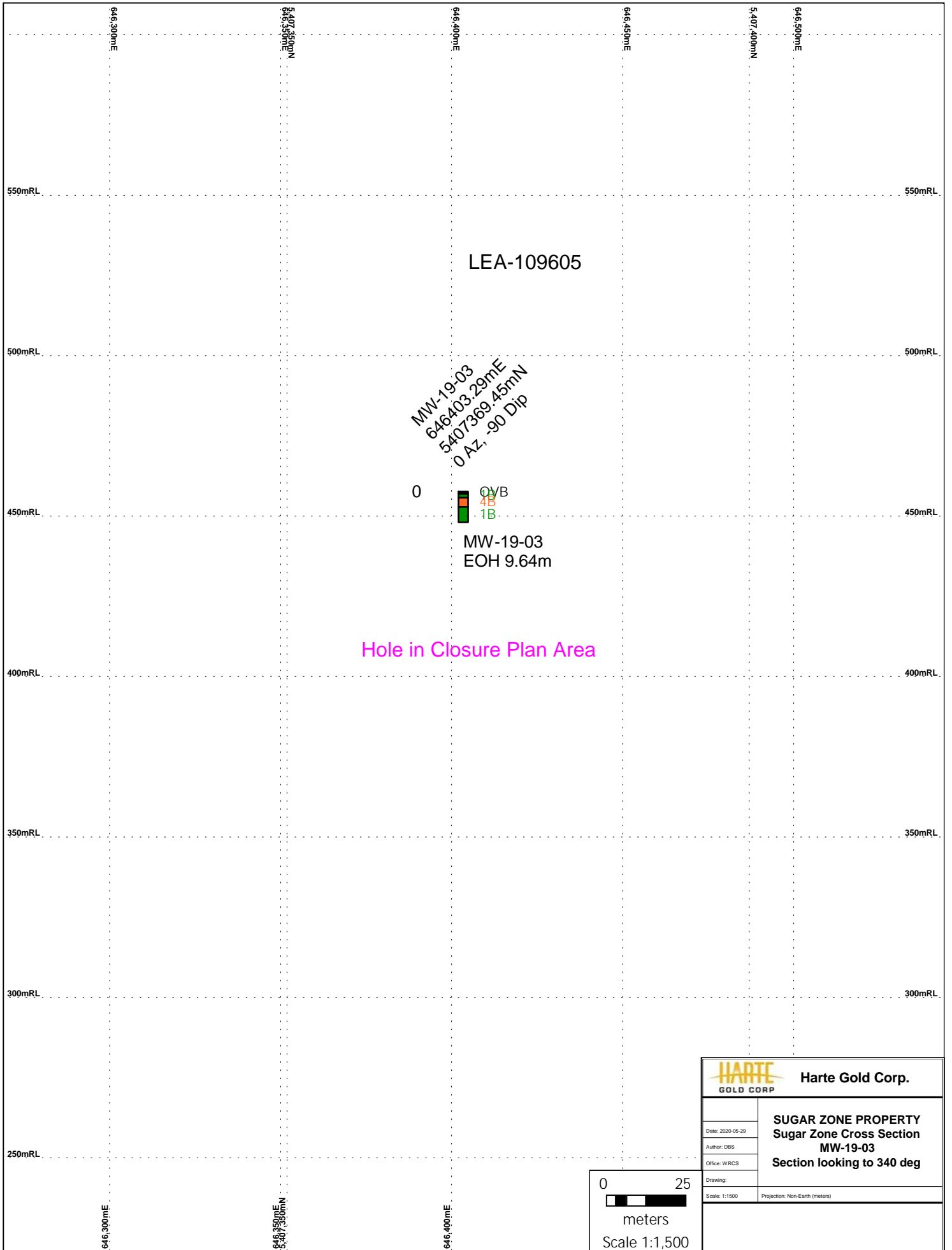
MW-19-02  
 EOH 10m

Hole in Closure Plan Area

<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>MW-19-02</b> <b>Section looking to 340 deg</b>	
Date: 2020-05-29	
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:1500	Projection: Non-Earth (meters)







LEA-109605


MW-19-03  
 646403.29mE  
 5407369.45mN  
 0 AZ, -90 Dip


0

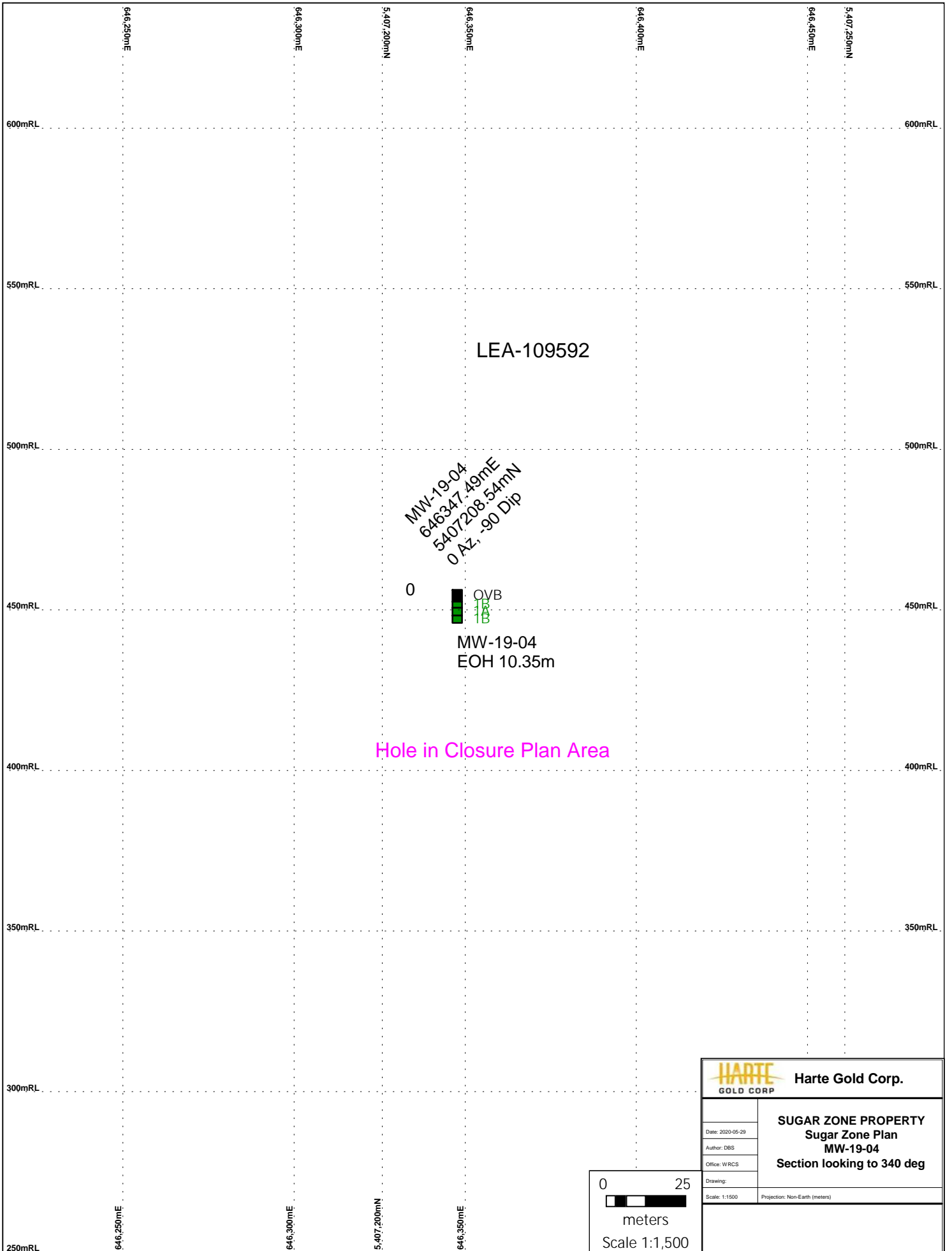
QVB  
 4B  
 1B

MW-19-03  
 EOH 9.64m

Hole in Closure Plan Area

 <b>Harte Gold Corp.</b>	
Date: 2020-05-29 Author: DBS Office: WRCS Drawing:	<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>MW-19-03</b> <b>Section looking to 340 deg</b>
Scale: 1:1500	Projection: Non-Earth (meters)

0 25  
  
 meters  
 Scale 1:1,500




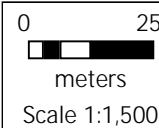
LEA-109592

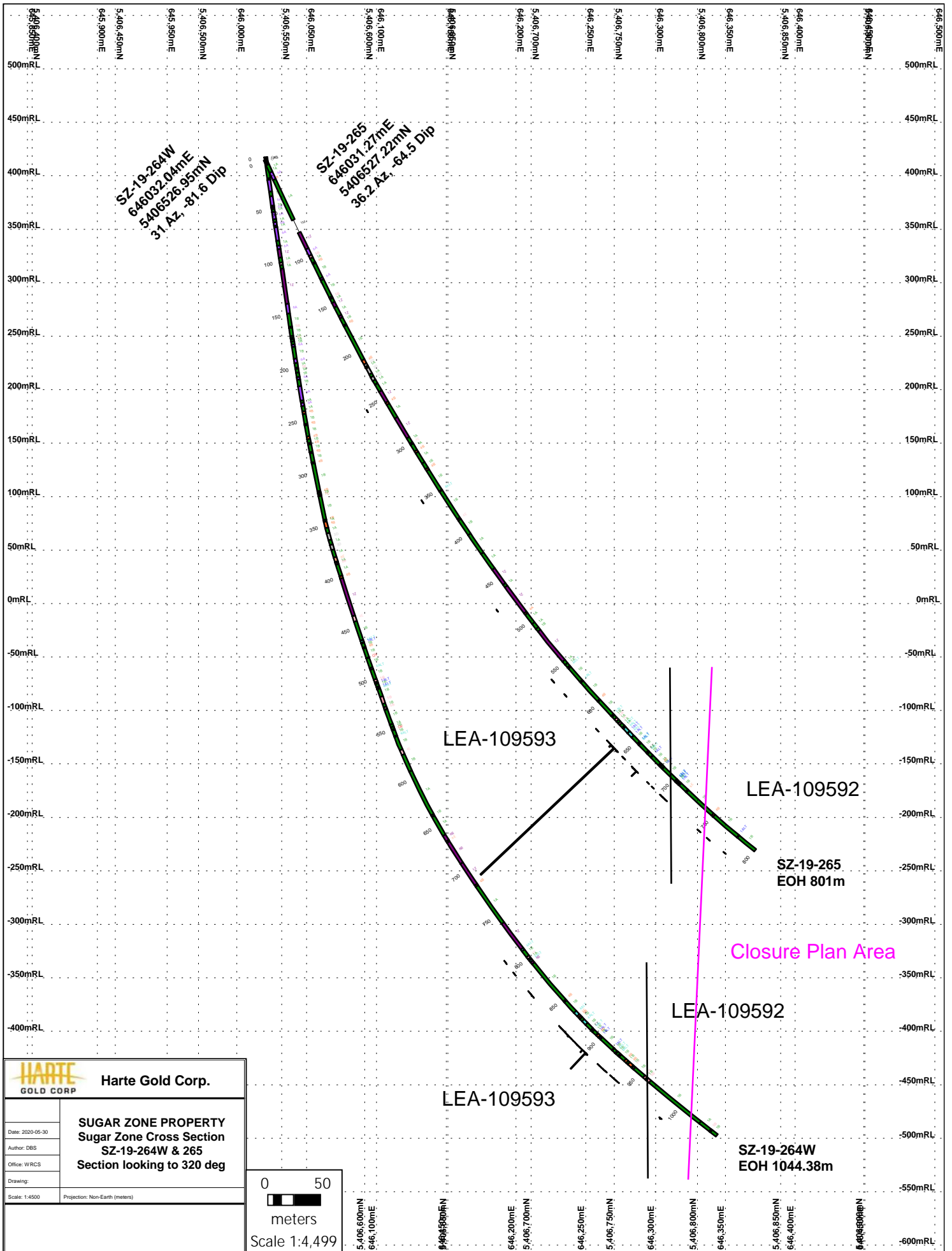
MW-19-04  
 646347.49mE  
 5407208.54mN  
 0 Az, -90 Dip

0  
 MW-19-04  
 EOH 10.35m

Hole in Closure Plan Area

 <b>Harte Gold Corp.</b>	
Date: 2020-05-29 Author: DBS Office: WRCS Drawing:	<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Plan</b> <b>MW-19-04</b> <b>Section looking to 340 deg</b>
Scale: 1:1500 Projection: Non-Earth (meters)	





**SZ-19-264W**  
 646032.04mE  
 5406526.95mN  
 31.2 Az, -81.6 Dip

**SZ-19-265**  
 646031.27mE  
 5406527.22mN  
 36.2 Az, -64.5 Dip

LEA-109593

LEA-109592

**SZ-19-265**  
 EOH 801m

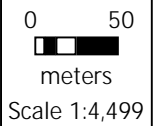
Closure Plan Area

LEA-109592

LEA-109593

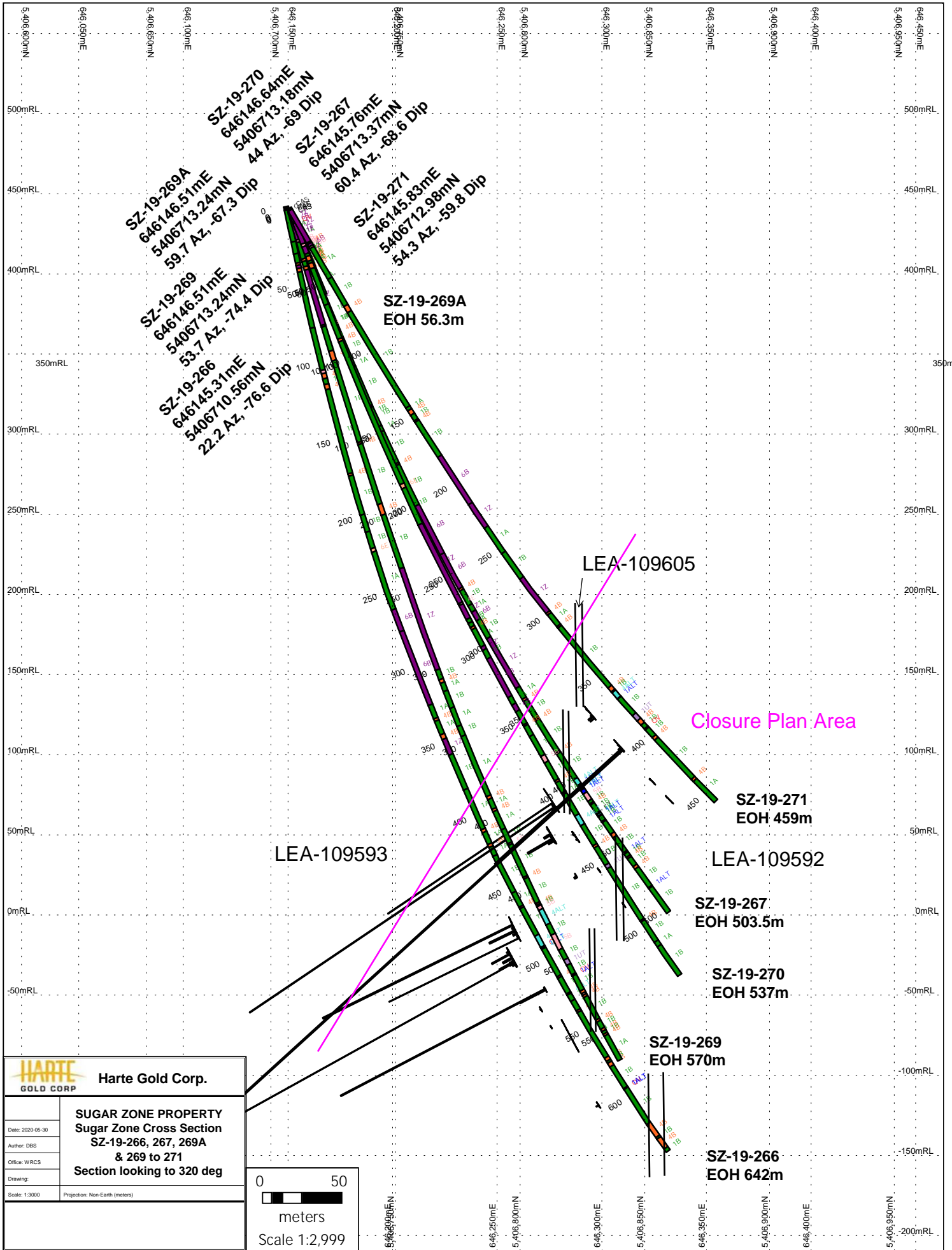
**SZ-19-264W**  
 EOH 1044.38m

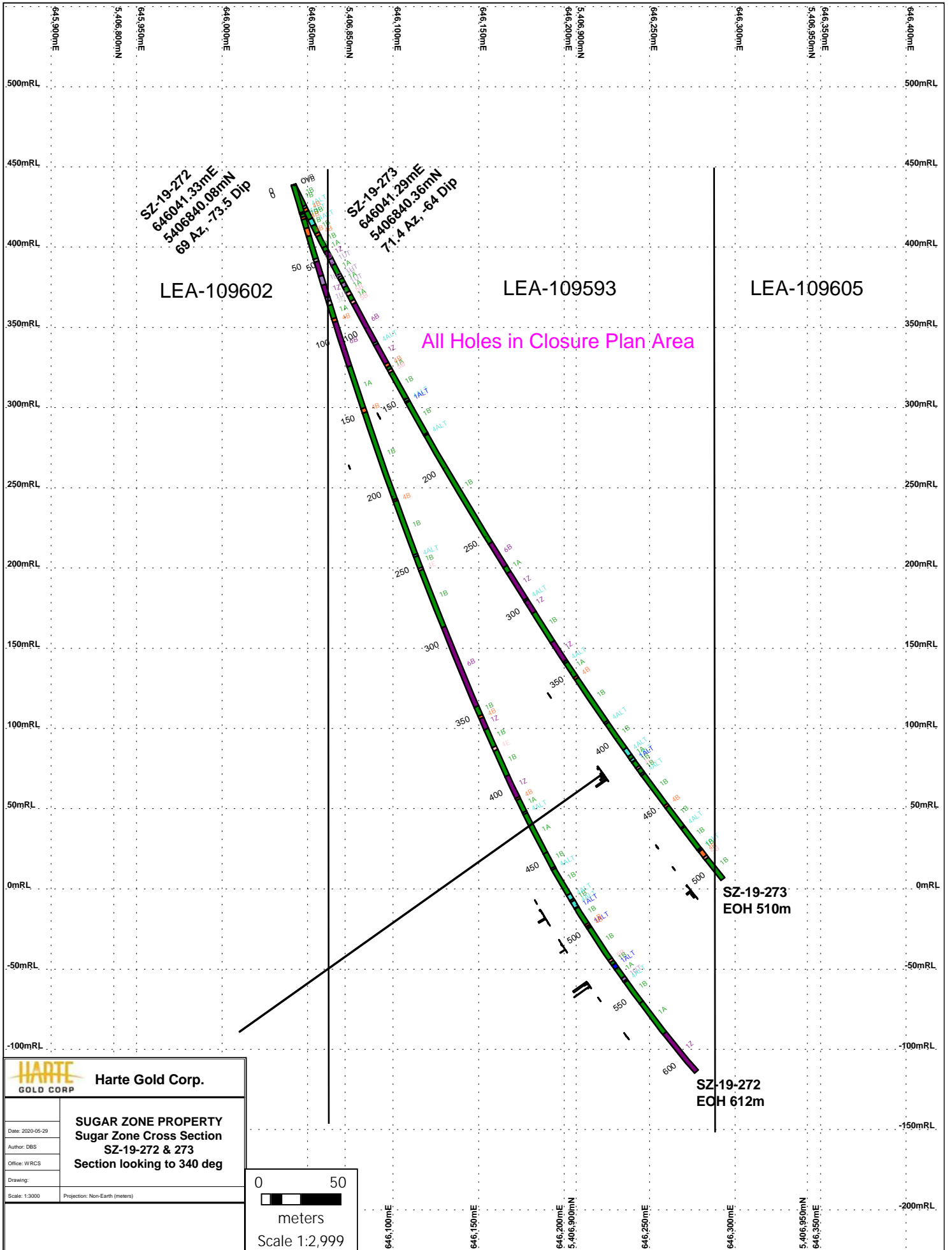
<b>Harte Gold Corp.</b>	
<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>SZ-19-264W &amp; 265</b> <b>Section looking to 320 deg</b>	
Date: 2020-05-30	
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:4500	Projection: Non-Earth (meters)



646,000mE  
 646,100mE  
 646,200mE  
 646,300mE  
 646,400mE  
 646,500mE  
 646,600mE  
 646,700mE  
 646,800mE  
 646,900mE  
 646,950mE

500mRL  
 450mRL  
 400mRL  
 350mRL  
 300mRL  
 250mRL  
 200mRL  
 150mRL  
 100mRL  
 50mRL  
 0mRL  
 -50mRL  
 -100mRL  
 -150mRL  
 -200mRL  
 -250mRL  
 -300mRL  
 -350mRL  
 -400mRL  
 -450mRL  
 -500mRL  
 -550mRL  
 -600mRL





SZ-19-272  
646041.33mE  
5406840.08mN  
69 Az, -73.5 Dip

SZ-19-273  
646041.29mE  
5406840.36mN  
71.4 Az, -64 Dip

LEA-109602

LEA-109593

LEA-109605

All Holes in Closure Plan Area

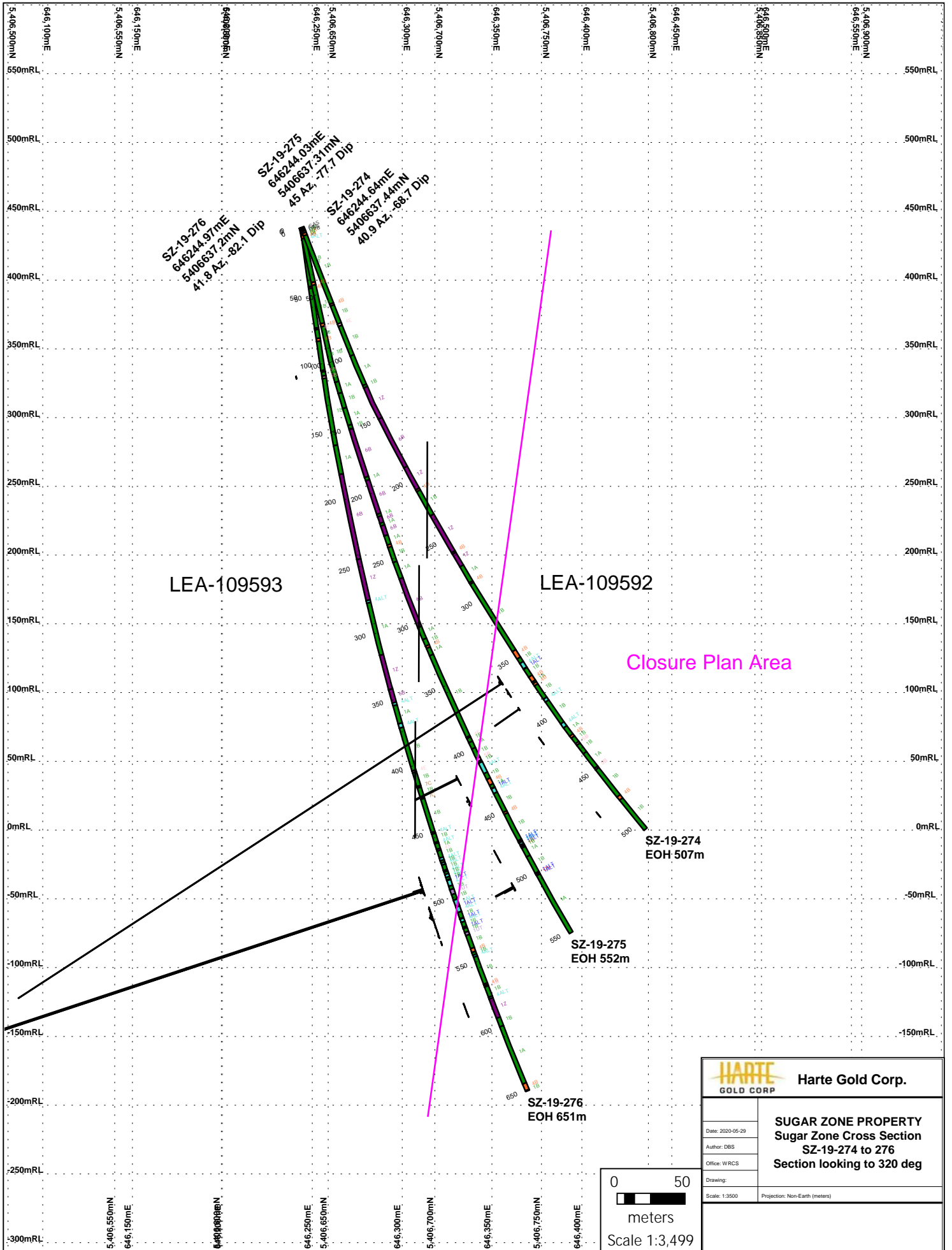
SZ-19-273  
EOH 510m

SZ-19-272  
EOH 612m

<b>Harte Gold Corp.</b>	
<b>SUGAR ZONE PROPERTY</b>	
<b>Sugar Zone Cross Section</b>	
<b>SZ-19-272 &amp; 273</b>	
<b>Section looking to 340 deg</b>	
Date: 2020-05-29	
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:3000	Projection: Non-Earth (meters)

0 50  
  
 meters  
 Scale 1:2,999

646,100mE 646,150mE 646,200mE 5,406,900mN 646,250mE 646,300mE 5,406,950mN 646,350mE



SZ-19-276  
646244.97mE  
5406637.2mN  
41.8 Az, -82.1 Dip

SZ-19-275  
646244.03mE  
5406637.31mN  
45 Az, -77.7 Dip

SZ-19-274  
646244.64mE  
5406637.44mN  
40.9 Az, -88.7 Dip

LEA-109593

LEA-109592

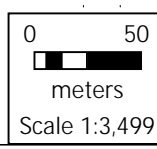
Closure Plan Area

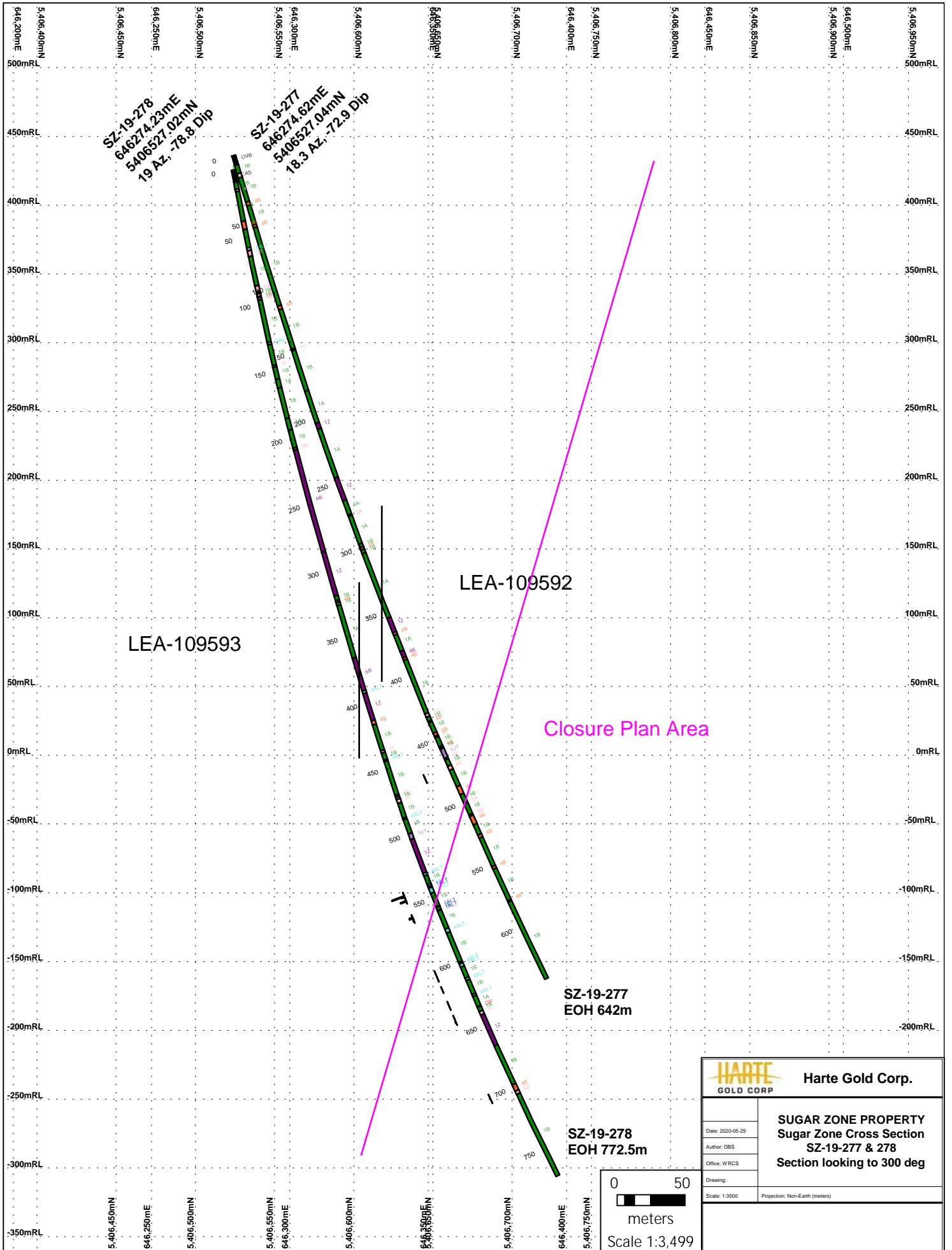
SZ-19-274  
EOH 507m

SZ-19-275  
EOH 552m

SZ-19-276  
EOH 651m

<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-05-29		<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>SZ-19-274 to 276</b> <b>Section looking to 320 deg</b>	
Author: DBS			
Office: WRCS			
Drawing:		Projection: Non-Earth (meters)	
Scale: 1:3500			





**SZ-19-278**  
 646274.23mE  
 5406527.02mN  
 19 Az., -78.8 Dip

**SZ-19-277**  
 646274.62mE  
 5406527.04mN  
 18.3 Az., -72.9 Dip

LEA-109592

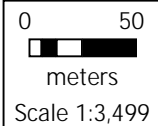
LEA-109593

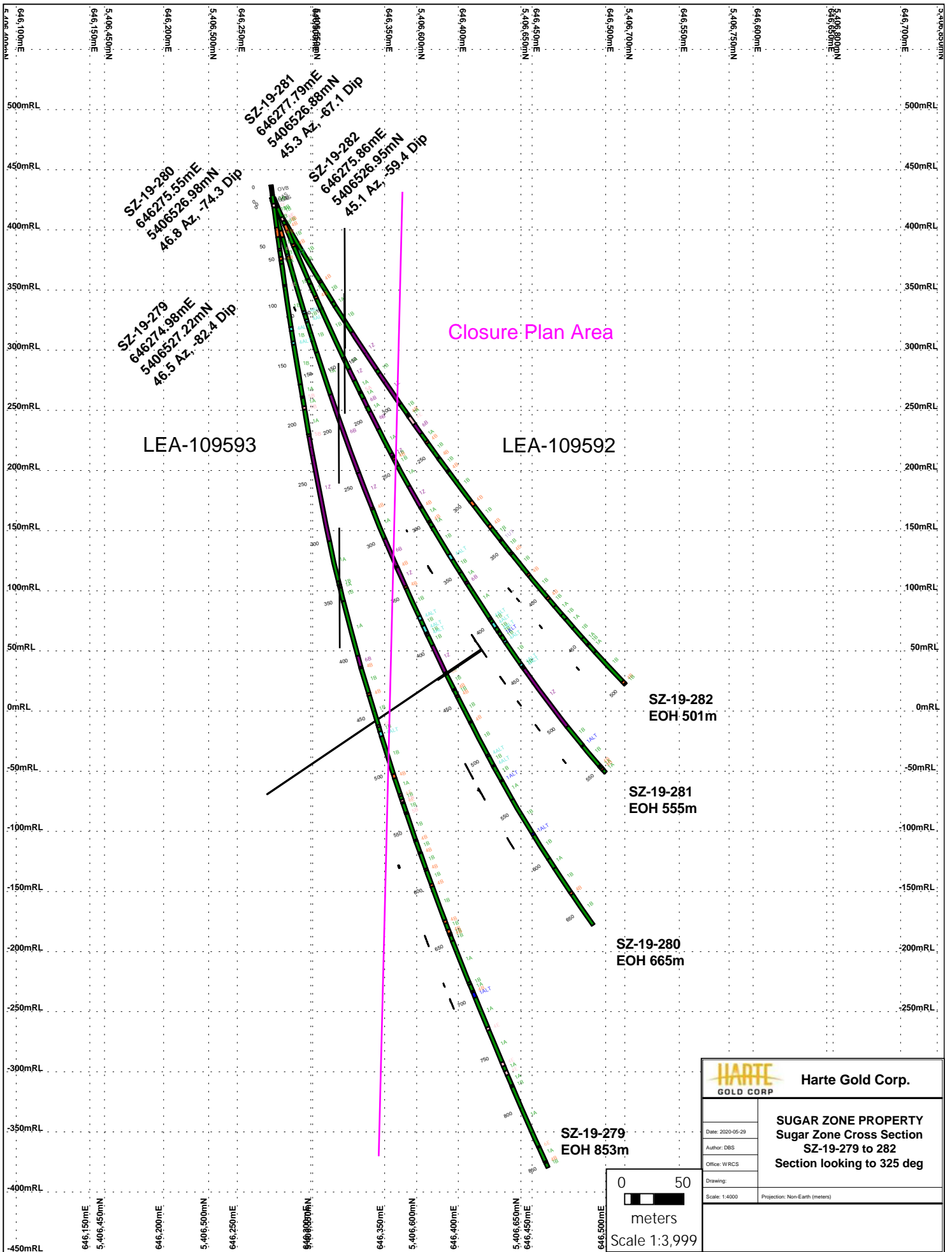
Closure Plan Area

**SZ-19-277**  
 EOH 642m

**SZ-19-278**  
 EOH 772.5m

<b>HARTE GOLD CORP.</b>		<b>Harte Gold Corp.</b>	
Date: 2020-05-29		<b>SUGAR ZONE PROPERTY</b> Sugar Zone Cross Section <b>SZ-19-277 &amp; 278</b> Section looking to 300 deg	
Author: DBS			
Office: WRCS			
Drawing:		Projection: Non-Earth (meters)	
Scale: 1:3500			





SZ-19-281  
646277.79mE  
5406526.88mN  
45.3 Az, -67.1 Dip

SZ-19-282  
646275.86mE  
5406526.95mN  
45.1 Az, -59.4 Dip

SZ-19-280  
646275.55mE  
5406526.98mN  
46.8 Az, -74.3 Dip

SZ-19-279  
646274.98mE  
5406527.22mN  
46.5 Az, -82.4 Dip

LEA-109593

LEA-109592

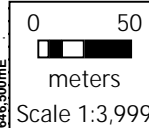
Closure Plan Area

SZ-19-282  
EOH 501m

SZ-19-281  
EOH 555m

SZ-19-280  
EOH 665m

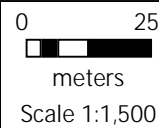
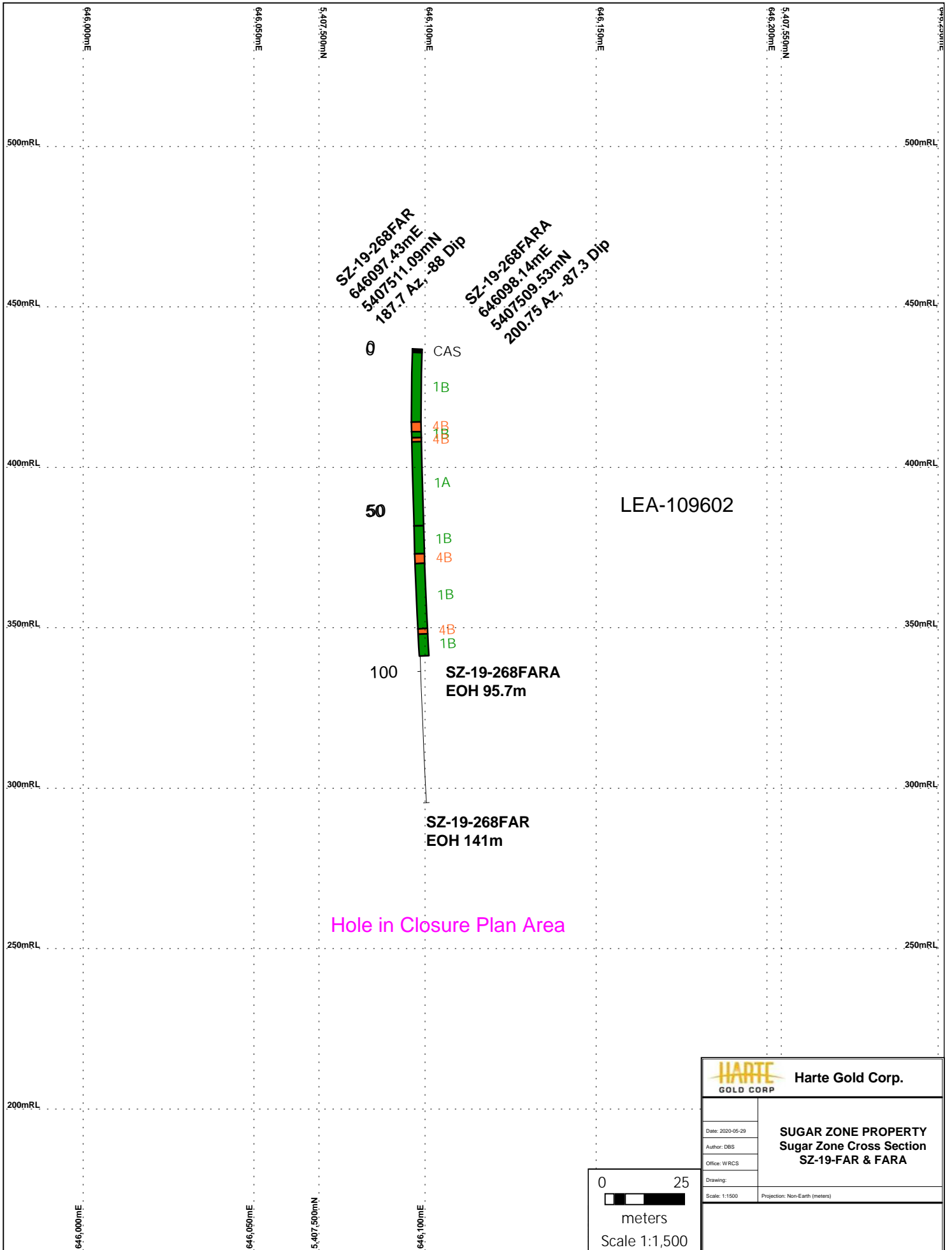
SZ-19-279  
EOH 853m



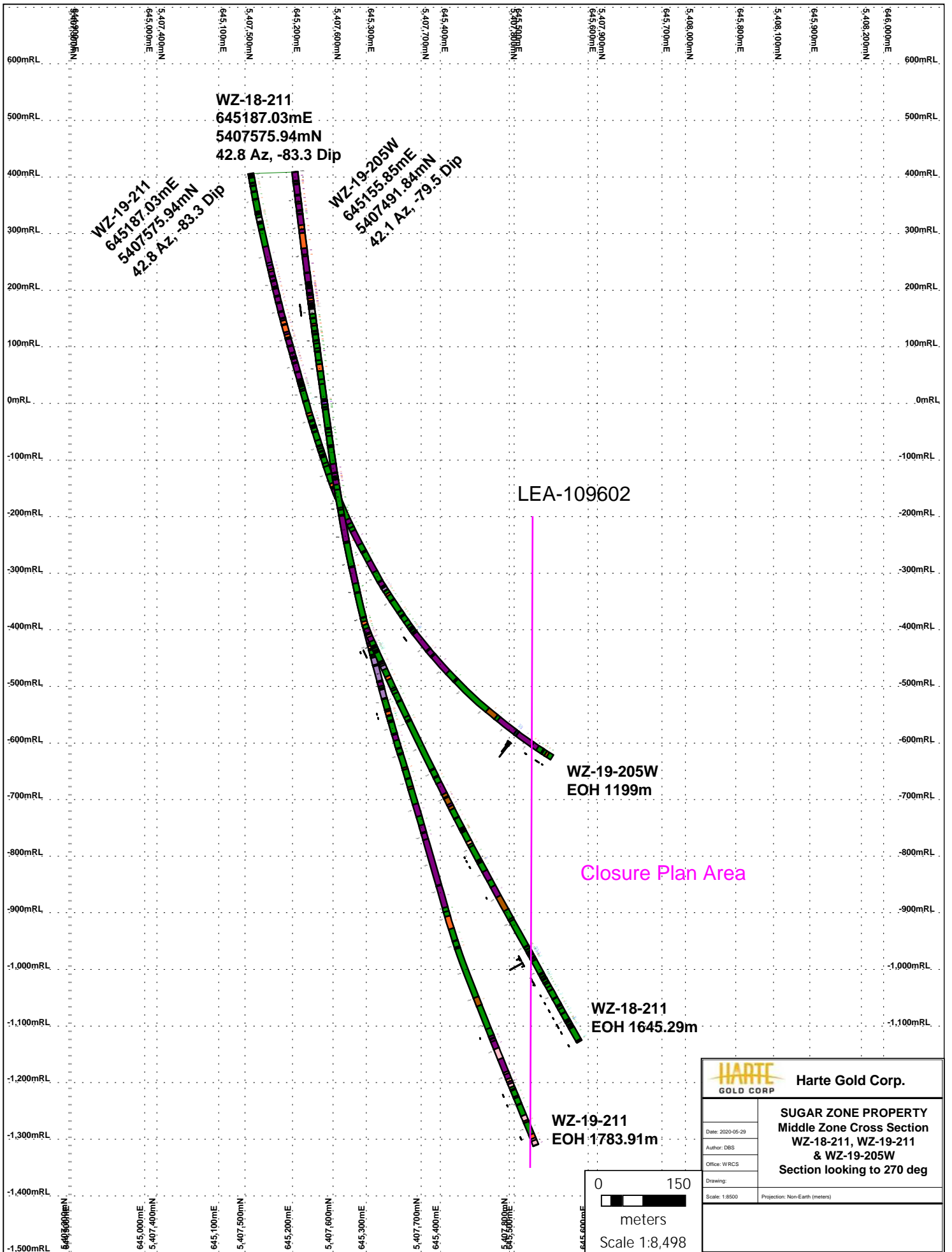
<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-05-29		<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>SZ-19-279 to 282</b> <b>Section looking to 325 deg</b>	
Author: DBS			
Office: WRCS			
Drawing:		Projection: Non-Earth (meters)	







<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-05-29	<b>SUGAR ZONE PROPERTY</b> <b>Sugar Zone Cross Section</b> <b>SZ-19-FAR &amp; FARA</b>		
Author: D6S			
Office: WRCS			
Drawing:	Scale: 1:1500	Projection: Non-Earth (meters)	



WZ-19-211  
 645187.03mE  
 5407575.94mN  
 42.8 Az, -83.3 Dip

WZ-19-205W  
 645155.85mE  
 5407491.84mN  
 42.1 Az, -79.5 Dip

LEA-109602

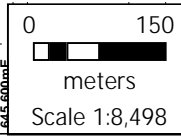
WZ-19-205W  
 EOH 1199m

Closure Plan Area

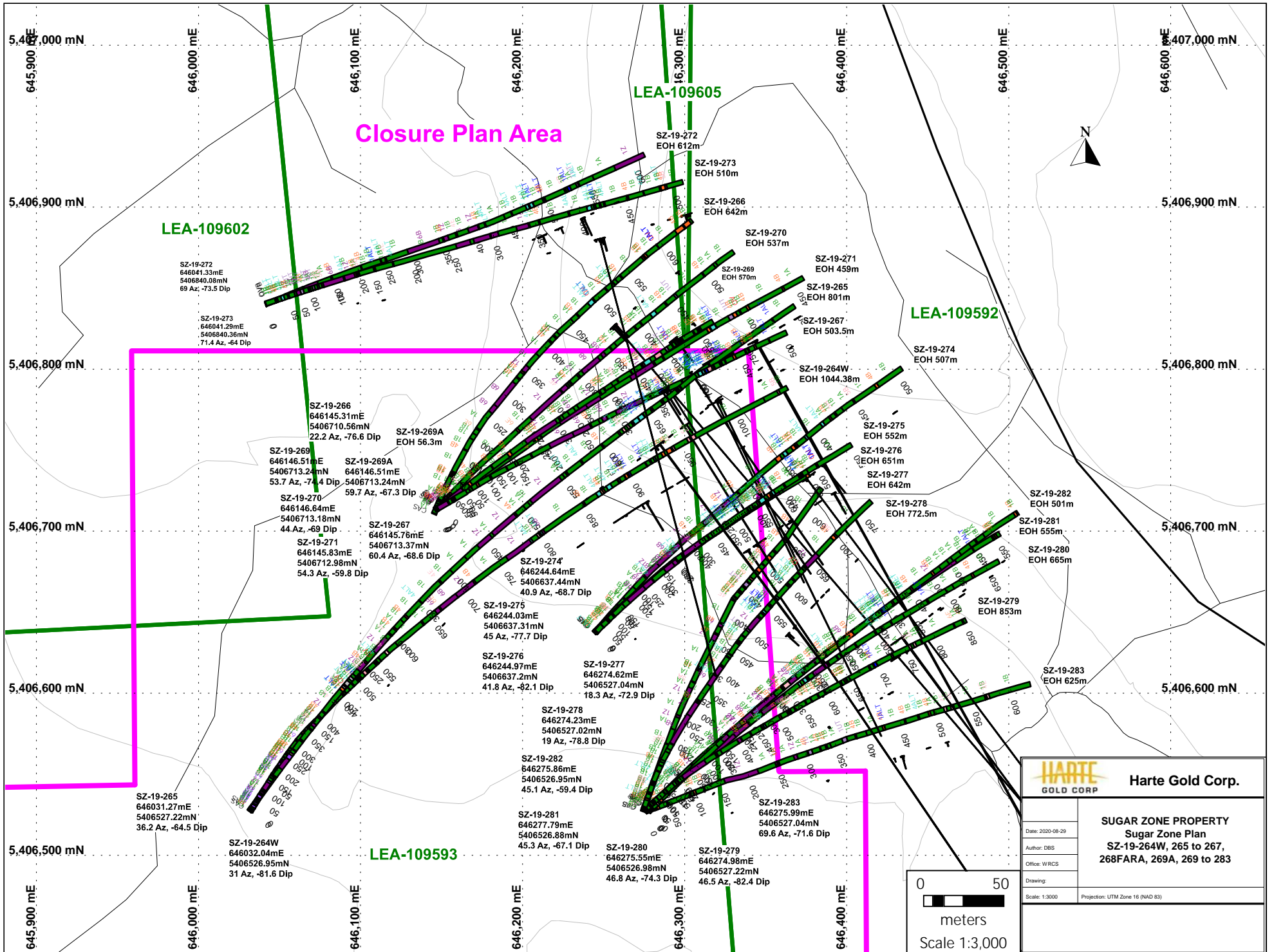
WZ-18-211  
 EOH 1645.29m

WZ-19-211  
 EOH 1783.91m

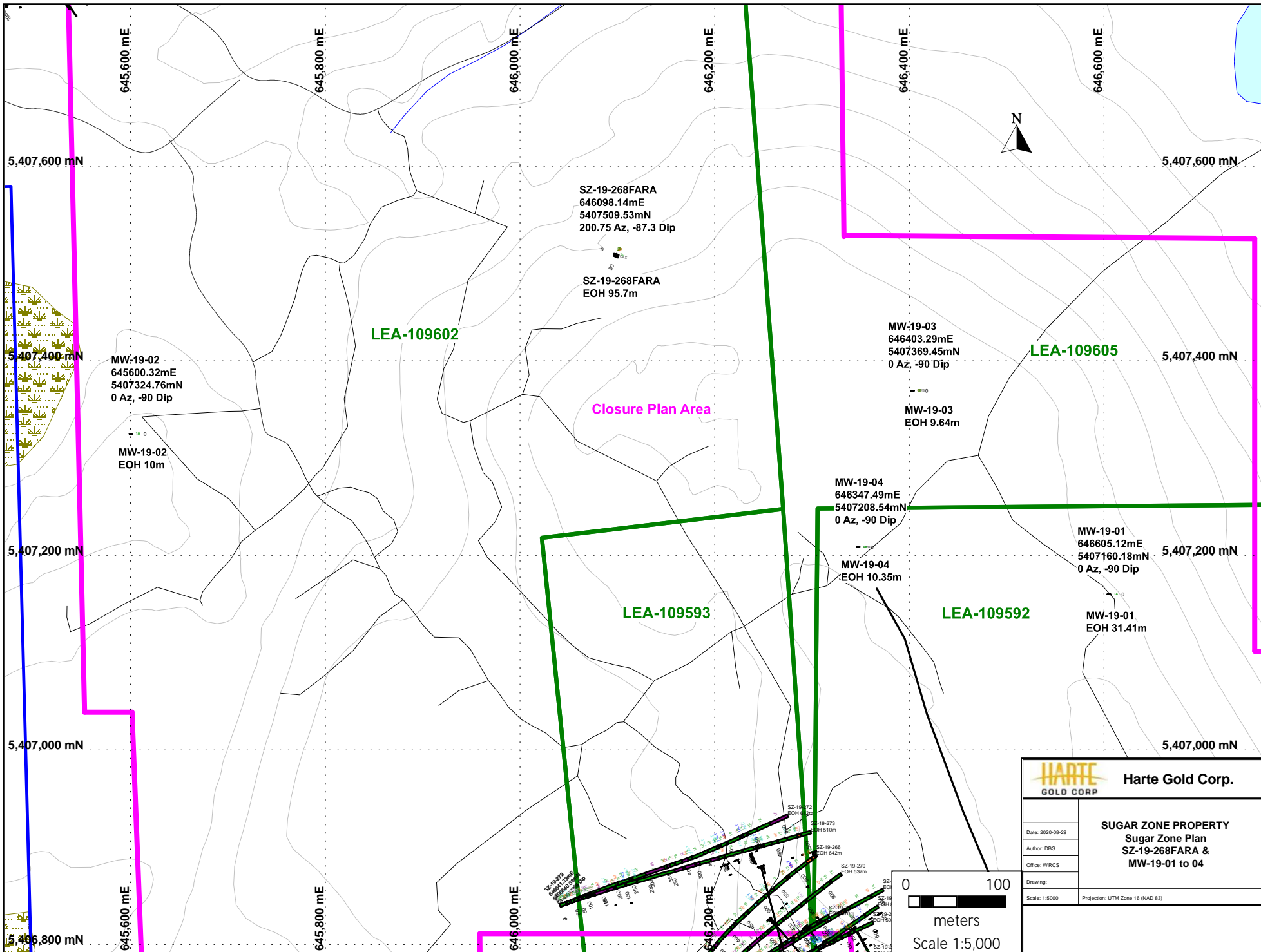
<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-05-29		<b>SUGAR ZONE PROPERTY</b> <b>Middle Zone Cross Section</b> <b>WZ-18-211, WZ-19-211</b> <b>&amp; WZ-19-205W</b> <b>Section looking to 270 deg</b>	
Author: DBS			
Office: WRCS			
Drawing:			
Scale: 1:8500		Projection: Non-Earth (meters)	



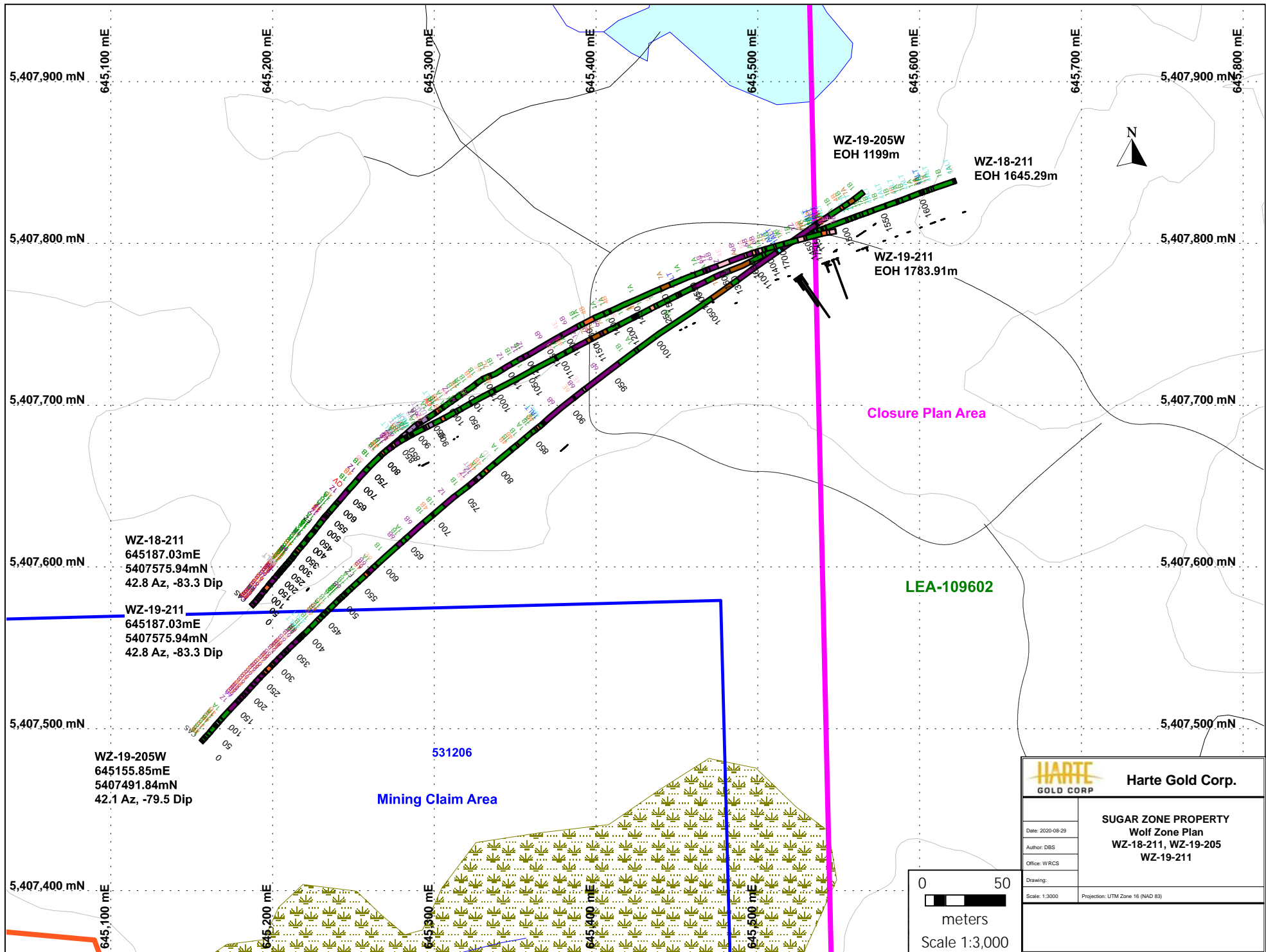
**Appendix E – Sugar & Wolf Zones – 2018-2019 Drill Hole Plans**



		<b>Harte Gold Corp.</b>	
<b>SUGAR ZONE PROPERTY</b>			
Sugar Zone Plan			
SZ-19-264W, 265 to 267, 268FARA, 269A, 269 to 283			
Date: 2020-08-29			
Author: DBS			
Office: WRCS			
Drawing:			
Scale: 1:3000	Projection: UTM Zone 16 (NAD 83)		



<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-08-29	Author: DBS	<b>SUGAR ZONE PROPERTY</b> Sugar Zone Plan SZ-19-268FARA & MW-19-01 to 04	
Office: WRCS	Drawing:		
Scale: 1:5000	Projection: UTM Zone 16 (NAD 83)		



5,407,900 mN 645,100 mE 645,200 mE 645,300 mE 645,400 mE 645,500 mE 645,600 mE 645,700 mE 645,800 mE

5,407,800 mN 5,407,700 mN 5,407,600 mN 5,407,500 mN 5,407,400 mN

WZ-19-205W  
EOH 1199m

WZ-18-211  
EOH 1645.29m

WZ-19-211  
EOH 1783.91m

Closure Plan Area

LEA-109602

531206

Mining Claim Area

WZ-18-211  
645187.03mE  
5407575.94mN  
42.8 Az, -83.3 Dip

WZ-19-211  
645187.03mE  
5407575.94mN  
42.8 Az, -83.3 Dip

WZ-19-205W  
645155.85mE  
5407491.84mN  
42.1 Az, -79.5 Dip

0 50  
meters  
Scale 1:3,000

<b>HARTE</b> GOLD CORP		<b>Harte Gold Corp.</b>	
Date: 2020-08-29		SUGAR ZONE PROPERTY	
Author: DBS		Wolf Zone Plan	
Office: WRCS		WZ-18-211, WZ-19-205	
Drawing:		WZ-19-211	
Scale: 1:3000		Projection: UTM Zone 16 (NAD 83)	

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





**Date Submitted:** 14-Jan-19  
**Invoice No.:** A19-00821  
**Invoice Date:** 25-Jan-19  
**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

59 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 **A19-00821**

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, 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
166305	< 5
166306	< 5
166307	5
166308	5
166309	5
166310	6540
166311	7
166312	10
166313	9
166314	8
166315	7
166316	18
166317	17
166318	15
166319	16
166320	< 5
166321	6
166322	5
166323	5
166324	11
166325	30
166326	17
166327	5
166328	6
166329	< 5
166330	3480
166331	< 5
166332	< 5
166333	< 5
166334	< 5
166335	14
166336	6
166337	11
166338	< 5
166339	< 5
166340	< 5
166341	< 5
166342	< 5
166343	< 5
166344	6
166345	< 5
166346	11

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166347	< 5
166348	< 5
166349	< 5
166350	5390
166401	< 5
166402	< 5
166403	< 5
166404	< 5
166405	< 5
166406	12
166407	12
166408	6
166409	< 5
166410	< 5
166411	< 5
166412	9
166413	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	512
OREAS 218 Cert	531
OREAS 218 Meas	514
OREAS 218 Cert	531
OREAS 218 Meas	515
OREAS 218 Cert	531
OREAS 215 (Fire Assay) Meas	3480
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3410
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3370
OREAS 215 (Fire Assay) Cert	3540
166314 Orig	8
166314 Dup	7
166324 Orig	10
166324 Dup	11
166334 Orig	< 5
166334 Dup	< 5
166348 Orig	< 5
166348 Dup	< 5
166404 Orig	< 5
166404 Split PREP DUP	< 5
166408 Orig	6
166408 Dup	6
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 24-Jan-19  
**Invoice No.:** A19-01313  
**Invoice Date:** 06-Feb-19  
**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

79 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      **A19-01313**

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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 a large, stylized 'E' and 'M'.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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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
166414	16
166415	7
166416	10
166417	49
166418	29
166419	181
166420	6590
166421	636
166422	107
166423	31
166424	222
166425	44
166426	80
166427	15
166428	103
166429	2550
166430	6
166431	18
166432	9
166433	17
166434	93
166435	396
166436	20
166437	6
166438	5
166439	16
166440	3390
166441	5
166442	6
166443	12
166444	47
166445	13
166446	10
166447	12
166448	25
166449	10
166450	< 5
166451	235
166452	17
166453	11
166454	5
166455	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166456	5
166457	6
166458	15
166459	11
166460	5470
166461	6
166462	< 5
166463	5
166464	5
166465	< 5
166466	7
166467	< 5
166468	5
166469	5
166470	< 5
166471	5
166472	5
166473	6
166474	5
166475	5
166476	5
166477	< 5
166478	5
166479	< 5
166480	6430
166481	8
166482	< 5
166483	< 5
166484	< 5
166485	< 5
166486	< 5
166487	< 5
166488	< 5
166489	< 5
166490	< 5
166491	< 5
166492	10

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	510
OREAS 218 Cert	531
OREAS 218 Meas	522
OREAS 218 Cert	531
OREAS 218 Meas	516
OREAS 218 Cert	531
OREAS 215 (Fire Assay) Meas	3520
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3500
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3490
OREAS 215 (Fire Assay) Cert	3540
166423 Orig	26
166423 Dup	35
166433 Orig	18
166433 Dup	16
166443 Orig	12
166443 Dup	12
166458 Orig	14
166458 Dup	16
166463 Orig	5
166463 Split PREP DUP	5
166467 Orig	< 5
166467 Dup	< 5
166477 Orig	< 5
166477 Dup	< 5
166492 Orig	5
166492 Dup	15
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 22-Feb-19  
**Invoice No.:** A19-02757  
**Invoice Date:** 04-Mar-19  
**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

60 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      **A19-02757**

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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.**  
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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
160664	12
160665	5
160666	< 5
160667	< 5
160668	< 5
160669	11
160670	3470
160671	13
160672	7
160673	8
160674	12
160675	5
160676	7
160677	11
160678	< 5
160679	< 5
160680	< 5
160681	< 5
160682	< 5
160683	< 5
160684	10
160685	< 5
160686	28
160687	77
160688	14
160689	< 5
160690	5720
160691	< 5
160692	< 5
160693	7
160694	< 5
160695	< 5
160696	< 5
160697	< 5
160698	< 5
160699	< 5
160700	< 5
160701	< 5
160702	< 5
160703	< 5
160704	< 5
160705	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160706	< 5
160707	< 5
160708	< 5
160709	9
160710	6820
160711	7
160712	9
160713	9
160714	6
160715	< 5
160716	< 5
160717	5
160718	6
160719	8
160720	< 5
160721	21
160722	25
160723	10

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
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	4180
OREAS 255 (Fire Assay) Cert	4080
OREAS 255 (Fire Assay) Meas	4250
OREAS 255 (Fire Assay) Cert	4080
160673 Orig	8
160673 Dup	8
160683 Orig	< 5
160683 Dup	< 5
160693 Orig	8
160693 Dup	6
160708 Orig	< 5
160708 Dup	< 5
160713 Orig	9
160713 Split PREP DUP	8
160717 Orig	5
160717 Dup	5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 25-Feb-19  
**Invoice No.:** A19-02929  
**Invoice Date:** 06-Mar-19  
**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

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      **A19-02929**

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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

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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
166493	6
166494	13
166495	13
166496	16
166497	14
166498	5
166499	16
166500	3480
166501	84
166502	8
166503	< 5
166504	< 5
166505	< 5
166506	< 5
166507	< 5
166508	< 5
166509	< 5
166510	5530
166511	< 5
166512	< 5
166513	< 5
166514	< 5
166515	< 5
166516	< 5
166517	< 5
166518	< 5
166519	< 5
166520	< 5
166521	< 5
166522	< 5
166523	< 5
166524	7
166525	< 5
166526	< 5
166527	< 5
166528	< 5
166529	< 5
166530	6740
166531	< 5
166532	5
166533	< 5
166534	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166535	10
166536	13
166537	9
166538	5
166539	5
166540	< 5
166541	7
166542	15
166543	< 5
166544	< 5
166545	< 5
166546	< 5
160724	10
160725	69
160726	84
160727	8
160728	7
160729	6
160730	3620
160731	9
160732	< 5
160733	< 5
160734	< 5
160735	< 5
160736	< 5
160737	< 5
160738	< 5
160739	15
160740	< 5
160741	12
160742	12
160743	< 5
160744	12
160745	6
160746	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 222 (Fire Assay) Meas	1210
OREAS 222 (Fire Assay) Cert	1220
OREAS 222 (Fire Assay) Meas	1230
OREAS 222 (Fire Assay) Cert	1220
OREAS 222 (Fire Assay) Meas	1170
OREAS 222 (Fire Assay) Cert	1220
OREAS 215 (Fire Assay) Meas	3580
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3550
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3600
OREAS 215 (Fire Assay) Cert	3540
166502 Orig	7
166502 Dup	8
166512 Orig	< 5
166512 Dup	< 5
166522 Orig	< 5
166522 Dup	< 5
166537 Orig	8
166537 Dup	9
166542 Orig	15
166542 Split PREP DUP	13
166546 Orig	< 5
166546 Dup	< 5
160733 Orig	< 5
160733 Dup	< 5
160739 Orig	15
160739 Dup	14
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Method Blank	< 5



**Date Submitted:** 14-Mar-19  
**Invoice No.:** A19-03930  
**Invoice Date:** 25-Mar-19  
**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      **A19-03930**

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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  
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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
160747	6
160748	291
160749	8
160750	5300
160751	12
160752	21
160753	17
160754	2040
160755	164
160756	13
160757	62
160758	< 5
160759	5
160760	< 5
160761	< 5
160762	< 5
160763	< 5
160764	< 5
160765	< 5
160766	< 5
160767	5
160768	< 5
160769	6
160770	6530
160771	< 5
160772	7
160773	11
160774	5
160775	< 5
160776	< 5
160777	< 5
160778	< 5
160779	8
160780	< 5
160781	8
160782	< 5
160783	< 5
160784	< 5
160785	< 5
160786	< 5
160787	< 5
160788	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160789	90
160790	3450
160791	< 5
166547	< 5
166548	< 5
166549	< 5
166550	6460
166551	< 5
166552	< 5
166553	< 5
166554	< 5
166555	< 5
166556	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 222 (Fire Assay) Meas	1210
OREAS 222 (Fire Assay) Cert	1220
OREAS 222 (Fire Assay) Meas	1200
OREAS 222 (Fire Assay) Cert	1220
OREAS 215 (Fire Assay) Meas	3440
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3410
OREAS 215 (Fire Assay) Cert	3540
160756 Orig	15
160756 Dup	11
160766 Orig	< 5
160766 Dup	< 5
160776 Orig	< 5
160776 Dup	< 5
160791 Orig	< 5
160791 Dup	< 5
166551 Orig	< 5
166551 Split PREP DUP	< 5
166555 Orig	5
166555 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 14-Mar-19  
**Invoice No.:** A19-03932  
**Invoice Date:** 29-Mar-19  
**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

60 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 **A19-03932**

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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	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
160792	< 5								
160793	< 5								
160794	< 5								
160795	< 5								
160796	< 5								
160797	6								
160798	< 5								
160799	< 5								
160800	< 5								
160801	19								
160802	< 5								
160803	12								
160804	< 5								
160805	< 5								
160806	12								
160807	< 5								
160808	< 5								
160809	6								
160810	5420								
160811	< 5								
160812	< 5								
160813	< 5								
160814	< 5								
160815	< 5								
160816	< 5								
160817	< 5								
160818	5								
160819	5								
160820	< 5								
160821	< 5								
160822	< 5								
160823	15								
160824	10								
160825	254								
160826	13								
160827	65								
160828	70								
160829	46								
160830	6630								

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
160831	> 10000	14.6	118	13.9	13.4	17.2	16.72	468.01	484.73
160832	7								
160833	< 5								
160834	34								
160835	88								
160836	< 5								
160837	75								
160838	9								
160839	7								
160840	< 5								
160841	22								
160842	15								
160843	< 5								
160844	< 5								
160845	< 5								
160846	8								
160847	27								
160848	47								
160849	20								
160850	3390								
160851	35								



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 229 (Fire Assay) Meas			11.9	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 222 (Fire Assay) Meas	1200			
OREAS 222 (Fire Assay) Cert	1220			
OREAS 222 (Fire Assay) Meas	1220			
OREAS 222 (Fire Assay) Cert	1220			
OREAS 215 (Fire Assay) Meas	3460			
OREAS 215 (Fire Assay) Cert	3540			
OREAS 215 (Fire Assay) Meas	3490			
OREAS 215 (Fire Assay) Cert	3540			
OREAS 257 Meas			14.1	
OREAS 257 Cert			14.18	
OREAS 255 (Fire Assay) Meas		4.16		
OREAS 255 (Fire Assay) Cert		4.08		
160801 Orig	16			
160801 Dup	22			
160811 Orig	< 5			
160811 Dup	< 5			
160821 Orig	< 5			
160821 Dup	< 5			
160831 Orig		14.8	17.2	484.73
160831 Dup		14.3		
160836 Orig	12			
160836 Dup	< 5			
160841 Orig	22			
160841 Split PREP DUP	17			
160845 Orig	< 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
160845 Dup	< 5			
160851 Orig	36			
160851 Dup	33			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 14-Mar-19  
**Invoice No.:** A19-03936  
**Invoice Date:** 25-Mar-19  
**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

41 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      **A19-03936**

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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
160852	33
160853	34
160854	18
160855	645
160856	20
160857	13
160858	11
160859	10
160860	< 5
160861	18
160862	8
160863	10
160864	8
160865	< 5
160866	< 5
160867	8
160868	< 5
160869	< 5
160870	5510
160871	< 5
160872	< 5
160873	< 5
160874	< 5
160875	8
160876	< 5
160877	< 5
160878	< 5
160879	< 5
160880	< 5
160881	< 5
160882	< 5
160883	< 5
160884	< 5
160885	< 5
160886	< 5
160887	< 5
160888	< 5
160889	< 5
160890	6700
160891	< 5
160892	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 222 (Fire Assay) Meas	1220
OREAS 222 (Fire Assay) Cert	1220
OREAS 222 (Fire Assay) Meas	1230
OREAS 222 (Fire Assay) Cert	1220
OREAS 215 (Fire Assay) Meas	3580
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3490
OREAS 215 (Fire Assay) Cert	3540
160861 Orig	16
160861 Dup	19
160871 Orig	< 5
160871 Dup	< 5
160881 Orig	6
160881 Dup	< 5
160889 Orig	< 5
160889 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 04-Apr-19  
**Invoice No.:** A19-05039  
**Invoice Date:** 17-Apr-19  
**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

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      **A19-05039**

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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
166557	< 5
166558	< 5
166559	< 5
166560	< 5
166561	< 5
166562	< 5
166563	< 5
166564	< 5
166565	< 5
166566	< 5
166567	< 5
166568	< 5
166569	< 5
166570	5570
166571	< 5
166572	12
166573	9
166574	8
166575	< 5
166576	< 5
166577	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 222 (Fire Assay) Meas	1240
OREAS 222 (Fire Assay) Cert	1220
OREAS 215 (Fire Assay) Meas	3600
OREAS 215 (Fire Assay) Cert	3540
166566 Orig	< 5
166566 Dup	< 5
166576 Orig	< 5
166576 Dup	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 26-Apr-19  
**Invoice No.:** A19-05887  
**Invoice Date:** 09-May-19  
**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

47 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 **A19-05887**

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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

**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 + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
166616	< 5								
166617	< 5								
166618	< 5								
166619	< 5								
166620	< 5								
166621	6								
166622	< 5								
166623	13								
166624	20								
166625	< 5								
166626	11								
166627	7								
166628	7								
166629	12								
166630	3400								
166631	> 10000	36.8	12.5	10.6	12.4	16.39	455.45	471.84	11.9
166632	19								
166633	138								
166634	33								
166635	> 10000	25.4	23.8	22.0	23.0	14.37	639.16	653.53	26.5
166636	38								
166637	283								
166638	152								
166639	18								
166640	< 5								
166641	7								
166642	9								
166643	33								
166644	17								
166645	83								
166646	26								
166647	22								
166648	23								
166649	86								
166650	6380								
166751	13								
166752	18								
166753	13								
166754	12								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
166755	< 5								
166756	5								
166757	10								
166758	11								
166759	17								
166760	< 5								
166761	27								
166762	13								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
OREAS 229 (Fire Assay) Meas					12.4				12.4
OREAS 229 (Fire Assay) Cert					12.1				12.1
OREAS 257 Meas					14.3				
OREAS 257 Cert					14.18				
Oreas 221 (Fire Assay) Meas	1020								
Oreas 221 (Fire Assay) Cert	1060								
Oreas 221 (Fire Assay) Meas	1010								
Oreas 221 (Fire Assay) Cert	1060								
OREAS 255 (Fire Assay) Meas									4.16
OREAS 255 (Fire Assay) Cert									4.08
166625 Orig	< 5								
166625 Dup	< 5								
166631 Orig		36.8	12.5	10.6	12.4	16.39	455.45	471.84	12.6
166631 Dup									11.2
166635 Orig	> 10000	25.4	23.8	22.0	23.0	14.37	639.16	653.53	
166635 Dup	> 10000								
166647 Orig	24								
166647 Dup	19								
166753 Orig	12								
166753 Dup	13								
166760 Orig	< 5								
166760 Dup	< 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:** 26-Apr-19  
**Invoice No.:** A19-05889  
**Invoice Date:** 09-May-19  
**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

38 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 1A4-1000 (100mesh)-Tbay Au-Fire Assay-Metallic Screen-1000g

REPORT **A19-05889**

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Notes:

A representative 1000 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

**ACTIVATION LABORATORIES LTD.**

1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
166578	18								
166579	22								
166580	< 5								
166581	45								
166582	169								
166583	90								
166584	76								
166585	1300								
166586	68								
166587	14								
166588	668								
166589	19								
166590	6410								
166591	105								
166592	303								
166593	1060								
166594	> 10000	411	88.4	95.3	102	15.10	457.56	472.70	115
166595	365								
166596	122								
166597	223								
166598	41								
166599	64								
166600	< 5								
166601	< 5								
166602	< 5								
166603	52								
166604	< 5								
166605	8								
166606	6								
166607	18								
166608	13								
166609	6								
166610	5310								
166611	22								
166612	15								
166613	180								
166614	33								
166615	< 5								



Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppb	g/mt	g	g/tonne
Lower Limit	5	0.03		0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
OREAS 229 (Fire Assay) Meas		12.4		12.4
OREAS 229 (Fire Assay) Cert		12.1		12.1
OREAS 257 Meas		14.3		
OREAS 257 Cert		14.18		
Oreas 221 (Fire Assay) Meas	1020			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1020			
Oreas 221 (Fire Assay) Cert	1060			
OREAS 255 (Fire Assay) Meas				4.16
OREAS 255 (Fire Assay) Cert				4.08
166587 Orig	13			
166587 Dup	14			
166597 Orig	230			
166597 Dup	215			
166606 Orig	6			
166606 Dup	5			
166613 Orig	166			
166613 Dup	193			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank				< 0.03
Method Blank		< 0.03	0.00000	



**Date Submitted:** 24-May-19  
**Invoice No.:** A19-06969  
**Invoice Date:** 04-Jun-19  
**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

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)

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

REPORT      **A19-06969**

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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 a large, stylized 'E' and 'S'.

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
166763	6	
166764	< 5	
166765	6	
166766	< 5	
166767	< 5	
166768	< 5	
166769	< 5	
166770	3520	
166771	< 5	
166772	181	
166773	870	
166774	117	
166775	2190	
166776	277	
166777	38	
166778	3170	3.49
166779	734	
166780	< 5	
166781	12	
166782	< 5	
166783	14	
166784	66	
166785	16	
166786	< 5	
166787	12	
166788	5	
166789	< 5	
166790	5470	
166791	< 5	
166792	< 5	
166793	< 5	
166794	< 5	
166795	< 5	
166796	< 5	
166797	< 5	
166798	< 5	
166799	< 5	
166800	< 5	
166651	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 222 (Fire Assay) Meas	1240	
OREAS 222 (Fire Assay) Cert	1220	
OREAS 257 Meas		14.1
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas	4100	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 255 (Fire Assay) Meas	4120	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
166772 Orig	185	
166772 Dup	176	
166782 Orig	6	
166782 Dup	< 5	
166651 Orig	< 5	
166651 Dup	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 07-Jun-19  
**Invoice No.:** A19-07528  
**Invoice Date:** 19-Jun-19  
**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

94 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      **A19-07528**

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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 with a horizontal line underneath it.

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
166652	< 5								
166653	< 5								
166654	6								
166655	8								
166656	19								
166657	16								
166658	47								
166659	> 10000	14.1	31.8	13.1	12.7	13.2	13.13	918.79	931.92
166660	< 5								
166661	46								
166662	152								
166663	51								
166664	1810								
166665	64								
166666	268								
166667	33								
166668	90								
166669	72								
166670	6720								
166671	> 10000	10.5	10.8	9.16	8.72	9.04	17.16	332.49	349.65
166672	23								
166673	13								
166674	46								
166675	> 10000	20.0	61.2	13.9	13.1	14.4	16.86	922.25	939.11
166676	1800								
166677	24								
166678	8								
166679	18								
166680	< 5								
166681	8								
166682	5								
166683	5								
166684	< 5								
166685	< 5								
166686	8								
166687	8								
166688	13								
166689	< 5								
166690	3440								

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
166691	12								
166692	7								
166693	15								
166694	8								
166695	5								
166696	12								
166697	12								
166698	14								
166699	< 5								
166700	< 5								
166801	< 5								
166802	10								
166803	15								
166804	< 5								
166805	50								
166806	19								
166807	< 5								
166808	21								
166809	8								
166810	5370								
166811	8								
166812	12								
166813	105								
166814	364								
166815	52								
166816	337								
166817	55								
166818	18								
166819	6								
166820	< 5								
166821	5								
166822	14								
166823	9								
166824	59								
166825	41								
166826	36								
166827	221								
166828	> 10000	21.5	38.3	10.9	9.59	10.7	14.19	850.73	864.92
166829	> 10000	75.8	65.5	42.4	40.5	41.9	16.57	820.22	836.79

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
166830	6720								
166831	56								
166832	37								
166833	5								
166834	6								
166835	< 5								
166836	6								
166837	9								
166838	12								
166839	31								
166840	< 5								
166841	11								
166842	8								
166843	< 5								
166844	< 5								
166845	8								



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 257 Meas		14.2	14.4	
OREAS 257 Cert		14.18	14.18	
OREAS 255 (Fire Assay) Meas	4060			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 255 (Fire Assay) Meas	4210			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 255 (Fire Assay) Meas	4230			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 229b (Fire Assay) Meas		11.9	12.5	
OREAS 229b (Fire Assay) Cert		11.9	11.9	
166661 Orig	45			
166661 Dup	46			
166675 Orig		21.1	14.4	939.11
166675 Dup		18.8		
166680 Orig	< 5			
166680 Dup	< 5			
166696 Orig	12			
166696 Dup	12			
166801 Orig	< 5			
166801 Split PREP DUP	< 5			
166805 Orig	42			
166805 Dup	57			
166814 Orig	408			
166814 Dup	319			
166831 Orig	60			
166831 Dup	52			
166840 Orig	< 5			
166840 Dup	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 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
Method Blank			< 0.03	0.00000
Method Blank		< 0.03		



**Date Submitted:** 21-Jun-19  
**Invoice No.:** A19-08255  
**Invoice Date:** 04-Jul-19  
**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      **A19-08255**

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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. It consists of several loops and flourishes, particularly around the 'E' and 'E'.

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	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
166905	12								
166906	36								
166907	34								
166908	61								
166909	168								
166910	3370								
166911	190								
166912	> 10000	49.2	148	37.6	40.2	42.0	10.43	358.83	369.26
166913	47								
166914	8								
166915	< 5								
166916	< 5								
166917	40								
166918	76								
166919	10								
166920	< 5								
166921	12								
166922	12								
166923	5								
166924	2150								
166925	12								
166926	< 5								
166927	< 5								
166928	< 5								
166929	< 5								
166930	5180								
166931	< 5								
166932	< 5								
166933	5								
166934	< 5								
166935	< 5								
166936	8								
166937	< 5								
166938	< 5								
166939	< 5								
166940	< 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 257 Meas		14.2	13.9	
OREAS 257 Cert		14.18	14.18	
OREAS 255 (Fire Assay) Meas	4100			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 229b (Fire Assay) Meas		12.0	12.0	
OREAS 229b (Fire Assay) Cert		11.9	11.9	
166912 Orig		48.7	42.0	369.26
166912 Dup		49.8		
166914 Orig	8			
166914 Dup	7			
166924 Orig	2260			
166924 Dup	2030			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 21-Jun-19  
**Invoice No.:** A19-08256  
**Invoice Date:** 04-Jul-19  
**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

59 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      **A19-08256**

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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
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
166846	9	
166847	44	
166848	15	
166849	37	
166850	3360	
166851	28	
166852	12	
166853	498	
166854	110	
166855	101	
166856	1850	
166857	93	
166858	438	
166859	84	
166860	< 5	
166861	18	
166862	< 5	
166863	42	
166864	183	
166865	14	
166866	65	
166867	3860	3.44
166868	31	
166869	20	
166870	6650	
166871	10	
166872	8	
166873	7	
166874	15	
166875	7	
166876	20	
166877	143	
166878	< 5	
166879	5	
166880	< 5	
166881	102	
166882	17	
166883	< 5	
166884	5	
166885	< 5	
166886	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
166887	< 5	
166888	< 5	
166889	< 5	
166890	6710	
166891	< 5	
166892	6	
166893	< 5	
166894	< 5	
166895	5	
166896	< 5	
166897	12	
166898	39	
166899	22	
166900	< 5	
166901	1480	
166902	802	
166903	29	
166904	60	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas	4200	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 255 (Fire Assay) Meas	4060	
OREAS 255 (Fire Assay) Cert	4080	
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
166855 Orig	96	
166855 Dup	106	
166865 Orig	12	
166865 Dup	16	
166876 Orig	16	
166876 Dup	24	
166889 Orig	< 5	
166889 Dup	< 5	
166895 Orig	5	
166895 Split PREP DUP	< 5	
166899 Orig	27	
166899 Dup	16	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 04-Jul-19  
**Invoice No.:** A19-08721  
**Invoice Date:** 16-Jul-19  
**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

80 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      **A19-08721**

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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	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
166941	< 5								
166942	< 5								
166943	< 5								
166944	< 5								
166945	< 5								
166946	< 5								
166947	< 5								
166948	10								
166949	27								
166950	5170								
166951	8								
166952	5								
166953	66								
166954	29								
166955	19								
166956	12								
166957	52								
166958	729								
166959	> 10000	211	36.1	31.7	39.0	13.98	467.45	481.43	30.2
166960	< 5								
166961	> 10000	286	41.7	40.8	51.3	14.14	330.63	344.77	59.2
166962	255								
166963	74								
166964	38								
166965	18								
166966	11								
166967	52								
166968	13								
166969	16								
166970	6740								
166971	45								
166972	13								
166973	< 5								
166974	44								
166975	19								
166976	101								
166977	80								
166978	206								
166979	137								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
166980	< 5								
166981	81								
166982	21								
166983	23								
166984	21								
166985	12								
166986	8								
166987	10								
166988	9								
166989	19								
166990	3510								
166991	34								
166992	11								
166993	5								
166994	5								
166995	15								
166996	8								
166997	9								
166998	13								
166999	52								
167000	< 5								
167001	6								
167002	< 5								
167003	< 5								
167004	< 5								
167005	25								
167006	12								
167007	< 5								
167008	< 5								
167009	< 5								
167010	5320								
167011	< 5								
167012	9								
167013	12								
167014	11								
167015	7								
167016	14								
167017	< 5								
167018	< 5								

Analyte Symbol	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight	Au
Unit Symbol	ppb	g/mt	g/mt	g/mt	g/mt	g	g	g	g/tonne
Lower Limit	5	0.03	0.03	0.03	0.03				0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA- GRA
167019	< 5								
167020	< 5								

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppb	g/mt	g	g/tonne
Lower Limit	5	0.03		0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
OREAS 257 Meas		14.2		14.4
OREAS 257 Cert		14.18		14.18
Oreas 221 (Fire Assay) Meas	1030			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1040			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1050			
Oreas 221 (Fire Assay) Cert	1060			
OREAS 255 (Fire Assay) Meas	4050			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 255 (Fire Assay) Meas	4090			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 255 (Fire Assay) Meas	4000			
OREAS 255 (Fire Assay) Cert	4080			
OREAS 229b (Fire Assay) Meas		12.1		12.0
OREAS 229b (Fire Assay) Cert		11.9		11.9
166951 Orig	9			
166951 Dup	7			
166959 Orig		39.0	481.43	28.4
166959 Dup				32.0
166960 Orig	< 5			
166960 Dup	< 5			
166971 Orig	48			
166971 Dup	41			
166985 Orig	12			
166985 Dup	11			
166991 Orig	34			
166991 Split PREP DUP	40			
166994 Orig	5			

Analyte Symbol	Au	Total Au	Total Weight	Au
Unit Symbol	ppb	g/mt	g	g/tonne
Lower Limit	5	0.03		0.03
Method Code	FA-AA	FA-MeT	FA-MeT	FA- GRA
166994 Dup	5			
167005 Orig	20			
167005 Dup	29			
167019 Orig	< 5			
167019 Dup	< 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:** 05-Jul-19  
**Invoice No.:** A19-08764  
**Invoice Date:** 17-Jul-19  
**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 **A19-08764**

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



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
167021	< 5
167022	< 5
167023	< 5
167024	< 5
167025	< 5
167026	< 5
167027	< 5
167028	77
167029	15
167030	6750
167031	33
167032	29
167033	9
167034	46
167035	20
167036	501
167037	20
167038	11
167039	8
167040	< 5
167041	33
167042	9
167043	< 5
167044	< 5
167045	< 5
167046	< 5
167047	7
167048	58
167049	< 5
167050	3320
167051	< 5
167052	5
167053	375
167054	< 5
167055	< 5
167056	< 5
167057	1050
167058	261
167059	83
167060	< 5
167061	11
167062	33

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
167063	1210
167064	199
167065	26
167066	< 5
167067	< 5
167068	< 5
167069	5
167070	5350
167071	13
167072	33
167073	14
167074	< 5
167075	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1060
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1030
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1110
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1110
Oreas 221 (Fire Assay) Cert	1060
OREAS 255 (Fire Assay) Meas	3930
OREAS 255 (Fire Assay) Cert	4080
OREAS 255 (Fire Assay) Meas	4120
OREAS 255 (Fire Assay) Cert	4080
OREAS 255 (Fire Assay) Meas	4150
OREAS 255 (Fire Assay) Cert	4080
167024 Orig	< 5
167024 Dup	< 5
167031 Orig	39
167031 Dup	27
167040 Orig	< 5
167040 Dup	< 5
167049 Orig	< 5
167049 Dup	< 5
167053 Orig	379
167053 Dup	370
167065 Orig	26
167065 Dup	25
167071 Orig	13
167071 Split PREP DUP	11
167074 Orig	< 5
167074 Dup	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Method Blank	< 5
Method Blank	14
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 17-Jul-19  
**Invoice No.:** A19-09264  
**Invoice Date:** 28-Jul-19  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C1B5**

**ATTN: Vice President Tim Campbell**

## CERTIFICATE OF ANALYSIS

46 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 **A19-09264**

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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

**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
167076	< 5								
167077	10								
167078	7								
167079	< 5								
167080	< 5								
167081	6								
167082	< 5								
167083	5								
167084	< 5								
167085	< 5								
167086	< 5								
167087	50								
167088	121								
167089	15								
167090	6940								
167091	18								
167092	32								
167093	168								
167094	> 10000	26.2	59.9	27.7	24.6	27.8	11.15	220.80	231.95
167095	214								
167096	252								
167097	167								
167098	386								
167099	34								
167100	< 5								
167101	830								
167102	76								
167103	17								
167104	14								
167105	39								
167106	23								
167107	10								
167108	19								
167109	12								
167110	3710								
167111	62								
167112	28								
167113	7								
167114	26								

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
167115	356								
167116	74								
167117	160								
167118	11								
167119	< 5								
167120	< 5								
167121	< 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
OREAS 216 (Fire Assay) Meas	6670								
OREAS 216 (Fire Assay) Cert	6660								
OREAS 216 (Fire Assay) Meas	6810								
OREAS 216 (Fire Assay) Cert	6660								
OREAS 216 (Fire Assay) Meas	6870								
OREAS 216 (Fire Assay) Cert	6660								
OREAS 257 Meas		14.1				14.6			
OREAS 257 Cert		14.18				14.18			
Oreas 221 (Fire Assay) Meas	1100								
Oreas 221 (Fire Assay) Cert	1060								
Oreas 221 (Fire Assay) Meas	1070								
Oreas 221 (Fire Assay) Cert	1060								
OREAS 229b (Fire Assay) Meas						12.3			
OREAS 229b (Fire Assay) Cert						11.9			
167079 Orig	< 5								
167079 Dup	< 5								
167085 Orig	5								
167085 Dup	< 5								
167094 Orig			59.9	27.7	24.6	27.8	11.15	220.80	231.95
167095 Orig	176								
167095 Dup	252								
167104 Orig	13								
167104 Dup	14								
167120 Orig	< 5								
167120 Dup	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 5								
Method Blank	< 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
Method Blank		< 0.03							
Method Blank						< 0.03			0.00000



**Date Submitted:** 29-Jul-19  
**Invoice No.:** A19-09757  
**Invoice Date:** 15-Aug-19  
**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

91 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

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

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

REPORT **A19-09757**

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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

**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
167122	< 5								
167123	< 5								
167124	< 5								
167125	< 5								
167126	< 5								
167127	< 5								
167128	15								
167129	6								
167130	5460								
167131	17								
167132	< 5								
167133	14								
167134	13								
167135	< 5								
167136	< 5								
167137	< 5								
167138	6								
167139	< 5								
167140	< 5								
167141	48								
167142	22								
167143	22								
167144	39								
167145	7								
167146	5								
167147	6								
167148	6								
167149	6								
167150	6630								
167151	17								
167152	8								
167153	14								
167154	15								
167155	51								
167156	59								
167157	35								
167158	14								
167159	12								
167160	< 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
167161	26								
167162	9								
167163	15								
167164	17								
167165	11								
167166	21								
167167	> 10000	22.7	149	17.4	19.0	21.5	12.60	484.08	496.70
167168	4600	4.41							
167169	16								
167170	3550								
167171	10								
167172	8								
167173	7								
167174	< 5								
167175	< 5								
167176	< 5								
167177	6								
167178	< 5								
167179	7								
167180	< 5								
167181	< 5								
167182	< 5								
167183	< 5								
167184	< 5								
167185	< 5								
167186	< 5								
167187	5								
167188	26								
167189	15								
167190	5440								
167191	14								
167192	< 5								
167193	< 5								
167194	< 5								
167195	< 5								
167196	< 5								
167197	< 5								
167198	< 5								
167199	< 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
167200	< 5								
167201	< 5								
167202	< 5								
167203	< 5								
167204	< 5								
167205	< 5								
167206	< 5								
167207	22								
167208	14								
167209	< 5								
167210	6740								
167211	< 5								
167212	8								

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 220 (Fire Assay) Meas	876			
OREAS 220 (Fire Assay) Cert	866			
OREAS 220 (Fire Assay) Meas	879			
OREAS 220 (Fire Assay) Cert	866			
OREAS 220 (Fire Assay) Meas	874			
OREAS 220 (Fire Assay) Cert	866			
OREAS 257 Meas		14.0		
OREAS 257 Cert		14.18		
OREAS 229b (Fire Assay) Meas		12.3		
OREAS 229b (Fire Assay) Cert		11.9		
OREAS 238 (Fire Assay) Meas	2980			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 238 (Fire Assay) Meas	3060			
OREAS 238 (Fire Assay) Cert	3030			
OREAS 238 (Fire Assay) Meas	3110			
OREAS 238 (Fire Assay) Cert	3030			
167131 Orig	17			
167131 Dup	16			
167141 Orig	49			
167141 Dup	47			
167151 Orig	18			
167151 Dup	15			
167166 Orig	18			
167166 Dup	24			
167171 Orig	10			
167171 Split PREP DUP	9			
167175 Orig	< 5			
167175 Dup	< 5			
167185 Orig	< 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
167185 Dup	< 5			
167200 Orig	< 5			
167200 Dup	< 5			
167211 Orig	< 5			
167211 Dup	< 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	0.00000



**Date Submitted:** 02-Aug-19  
**Invoice No.:** A19-09960  
**Invoice Date:** 08-Aug-19  
**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 QOP AA-Au (Au - Fire Assay AA)

REPORT      **A19-09960**

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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

**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
167213	11
167214	15
167215	< 5
167216	< 5
167217	7
167218	< 5
167219	< 5
167220	< 5
167221	5
167222	5
167223	6
167224	< 5
167225	15
167226	7
167227	< 5
167228	< 5
167229	12
167230	3500
167231	15
167232	10
167233	125
167234	73
167235	20
167236	29
167237	38
167238	7
167239	6
167240	< 5
167241	< 5
167242	< 5
167243	5
167244	< 5
167245	6
167246	13
167247	< 5
167248	< 5
167249	< 5
167250	5450
167251	< 5
167252	< 5
167253	< 5
167254	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
167255	< 5
167256	< 5
167257	< 5
167258	6
167259	< 5
167260	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 220 (Fire Assay) Meas	855
OREAS 220 (Fire Assay) Cert	866
OREAS 220 (Fire Assay) Meas	857
OREAS 220 (Fire Assay) Cert	866
OREAS 238 (Fire Assay) Meas	3030
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3100
OREAS 238 (Fire Assay) Cert	3030
167222 Orig	5
167222 Dup	5
167232 Orig	10
167232 Dup	9
167242 Orig	< 5
167242 Dup	< 5
167257 Orig	< 5
167257 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 16-Aug-19  
**Invoice No.:** A19-10682  
**Invoice Date:** 21-Aug-19  
**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

30 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT **A19-10682**

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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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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
167261	93
167262	75
167263	91
167264	5
167265	< 5
167266	< 5
167267	< 5
167268	5
167269	< 5
167270	6700
167271	7
167272	15
167273	13
167274	6
167275	5
167276	< 5
167277	19
167278	33
167279	< 5
167280	< 5
167281	< 5
167282	< 5
167283	< 5
167284	< 5
167285	5
167286	< 5
167287	< 5
167288	5
167289	< 5
167290	3680

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 220 (Fire Assay) Meas	865
OREAS 220 (Fire Assay) Cert	866
OREAS 238 (Fire Assay) Meas	3190
OREAS 238 (Fire Assay) Cert	3030
167269 Orig	< 5
167269 Dup	6
167280 Orig	< 5
167280 Dup	< 5
167289 Orig	< 5
167289 Dup	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 30-Aug-19  
**Invoice No.:** A19-11525  
**Invoice Date:** 06-Sep-19  
**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

71 Core samples were submitted for analysis.

The following analytical package(s) were requested:

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

REPORT      **A19-11525**

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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.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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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
167291	11
167292	11
167293	< 5
167294	969
167295	247
167296	14
167297	13
167298	38
167299	440
167300	< 5
167301	21
167302	9
167303	12
167304	27
167305	14
167306	251
167307	282
167308	5
167309	11
167310	5600
167311	53
167312	61
167313	6
167314	< 5
167315	< 5
167316	< 5
167317	11
167318	< 5
167319	< 5
167320	< 5
167321	< 5
167322	8
167323	11
167324	< 5
167325	5
167326	12
167327	< 5
167328	< 5
167329	< 5
167330	6720
167331	< 5
167332	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
167333	< 5
167334	6
167335	16
167336	7
167337	< 5
167338	< 5
167339	9
167340	< 5
167341	< 5
167342	< 5
167343	< 5
167344	< 5
167345	< 5
167346	< 5
167347	< 5
167348	48
167349	< 5
167350	3570
167351	< 5
167352	< 5
167353	5
167354	6
167355	6
167356	< 5
167357	17
167358	< 5
167359	< 5
167360	< 5
167361	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 220 (Fire Assay) Meas	879
OREAS 220 (Fire Assay) Cert	866
OREAS 220 (Fire Assay) Meas	844
OREAS 220 (Fire Assay) Cert	866
OREAS 220 (Fire Assay) Meas	881
OREAS 220 (Fire Assay) Cert	866
OREAS 238 (Fire Assay) Meas	3180
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3060
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3140
OREAS 238 (Fire Assay) Cert	3030
167300 Orig	< 5
167300 Dup	< 5
167309 Orig	10
167309 Dup	11
167320 Orig	< 5
167320 Dup	< 5
167335 Orig	17
167335 Dup	14
167341 Orig	< 5
167341 Split PREP DUP	< 5
167344 Orig	< 5
167344 Dup	< 5
167354 Orig	6
167354 Dup	5
167360 Orig	< 5
167360 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Method Blank	< 5



**Date Submitted:** 11-Sep-19  
**Invoice No.:** A19-12148  
**Invoice Date:** 20-Sep-19  
**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

42 Core samples were submitted for analysis.

The following analytical package(s) were requested:

1A2-Tbay-Harte Gold	QOP AA-Au (Au - Fire Assay AA)
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REPORT      **A19-12148**

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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 cursive.

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

**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
167362	9
167363	< 5
167364	< 5
167365	< 5
167366	< 5
167367	< 5
167368	< 5
167369	< 5
167370	5570
167371	6
167372	< 5
167373	< 5
167374	< 5
167375	< 5
167376	65
167377	5
167378	19
167379	5
167380	< 5
167381	13
167382	232
167383	47
167384	60
167385	55
167386	30
167387	817
167388	328
167389	148
167390	6810
167391	40
167392	9
167393	11
167394	7
167395	< 5
167396	7
167397	8
167398	< 5
167399	13
167400	< 5
167401	257
167402	6
167403	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 220 (Fire Assay) Meas	866
OREAS 220 (Fire Assay) Cert	866
OREAS 220 (Fire Assay) Meas	874
OREAS 220 (Fire Assay) Cert	866
OREAS 238 (Fire Assay) Meas	3160
OREAS 238 (Fire Assay) Cert	3030
167371 Orig	6
167371 Dup	6
167381 Orig	13
167381 Dup	12
167391 Orig	34
167391 Dup	45
167402 Orig	5
167402 Dup	6
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

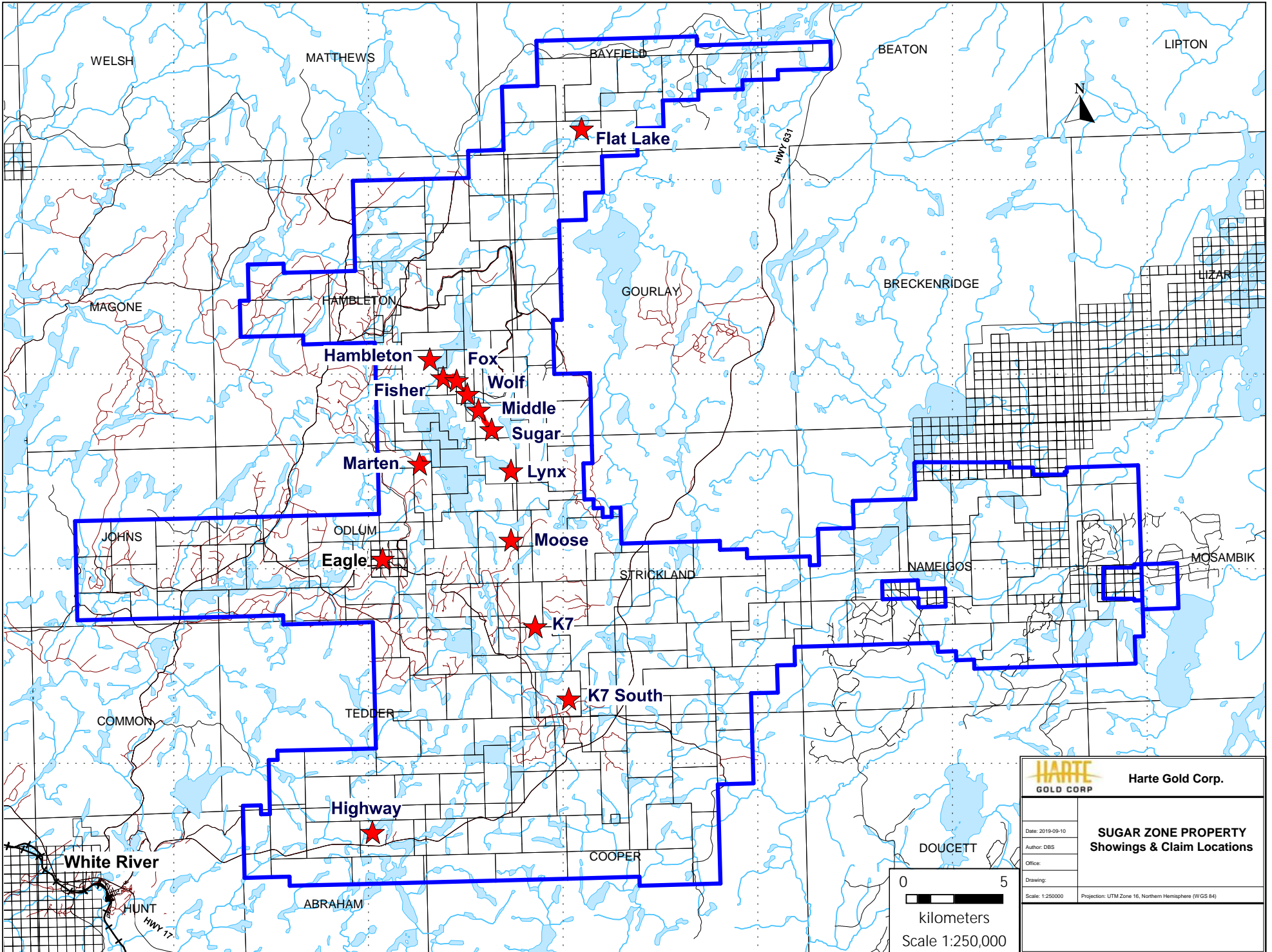


**Appendix G – Sugar & Wolf Zones – 2018-2019 Actlabs Invoices**

**~ Withheld for client confidentiality. ~**

**Appendix H – Sugar & Wolf Zones – 2018-2019 Foraco Invoices**

**~ Withheld for client confidentiality. ~**



WELSH

MATTHEWS

BAYFIELD

BEATON

LIPTON

Flat Lake

MAGONE

HAMBLETON

GOURLAY

BRECKENRIDGE

LIZAR

Hambleton

Fisher

Fox

Wolf

Middle

Sugar

Marten

Lynx

JOHNS

ODLUM

Moose

STRICKLAND

NAMEIGOS

MOSAMBIK

Eagle

K7

K7 South

COMMON

TEDDER

DOUCETT

White River

Highway

COOPER

HUNT

ABRAHAM

HWY 17