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KIRKLAND LAKE GOLD

ASSESSMENT REPORT ON THE 2020-2021
EXPLORATION DRILLING, GEOCHEMICAL SAMPLING AND
MAPPING PROGRAM

at

Carscallen “Melkior-Kirkland Lake Gold” JV Project

Ontario, Canada

Porcupine Mining Division

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Executive Summary

During the past 100 years the Timmins area has produced over 70 million ounces of gold, making it one of the richest gold mining camps in Canada. The Porcupine Destor Fault Zone (PDFZ) and its associated splays influence the location of many of the major gold deposits in the Timmins camp and the Abitibi Greenstone belt. Timmins is also home to Kidd Creek, one of the largest VMS ore deposits in the world.

The Carscallen Gold “Melkior-Kirkland Lake Gold JV” Project is in the Abitibi Greenstone Belt, 3 kilometres north of the PDFZ and 25 kilometres west of the city of Timmins in Northeastern Ontario. The project shares approximately 9 kilometres of common boundary with Pan American Silver Corp., a company which holds the Timmins West Mine and several other promising advanced prospects. Access to the Carscallen Project is excellent and is via a series of roads and trails which connect to Highway 101.

The Carscallen property consists mainly of felsic plutonic rocks of the Carlton Lake Pluton in the western part of the property, intruding into mafic metavolcanic rocks of the Deloro assemblage. The rock types observed at surface and in core include granite/granodiorite, mafic volcanic rocks, iron formation (sulfide and oxide facies), quartz-feldspar porphyry intrusions/dikes and locally Lamprophyre dikes. Ultramafic rocks have been mapped on the property and in the 2017 drill program, ultramafic dikes were recognized proximal to the Behemoth Zone.

Melkior Resources, since acquiring the property, has completed over 36,000 metres of drilling, and has defined multiple, high-grade gold-bearing zones within an NNW-SSE trend, 2.5 km by 1.2 km mineralized corridor.

In September 2020, Kirkland Lake Gold (KLG), entered into an Option / JV agreement with Melkior Resources to earn up to 75% interest in the Project. To date, KLG has completed exploration on the property that includes 10,256 meters of diamond drilling in eighteen (18) drill holes. The drilling was completed in two phases; one in the fall winter of 2020/2021 which included 6,752 meters of drilling and a second during the fall of 2021 which included 3,684 meters of drilling.

The two drill campaigns completed during the program were largely successful in validating and deepening mineralized gold-bearing structures as well as creating and expanding strike extents of previously established gold-bearing systems. In the late spring and summer months of 2021, KLG embarked upon a strategy of exploring the Carscallen property through geological mapping, grab sample prospecting and soil sampling. Additional work was also completed including analyzing previous historic work with a larger view of expanding on the well established Shenkman and Zamzam/Jowsey Zones. To this end, the company was successful in increasing the northern strike extent of the Zamzam/Jowsey by an additional 350 meters with two drill holes CAR-21-18 and CAR-21-19. These two drill holes have expanded the exploration potential in the northern portion of the Carscallen claim block. In addition, two deep drill holes CAR-21-20 and CAR-21-21 helped to establish the downdip continuity of both the Shenkman and Zamzam/Jowsey Zones by an additional 200 meters.

The Phase-1 soil program, which is a combination of infill and step-out samples, was carried out at station spacings of 12.5m with a nominal 100 m line separation from August to September 2021. Overall, a total of 1113 out of 1624 planned samples from 17 soil grid lines were collected by the field crew. Results from the soil geochemical program were successful in delineating new areas of interest that would merit further investigation and possible drilling.

Recommendations for future drill programs include drilling north of hole CAR-21-19 to potentially expand mineralization further to the north as well as to infill the 300-meter gap between CAR21-18 and CAR-21-19. Drilling proximal to the Mystery zone is also recommended. A second phase to the soil sampling program is also recommended to follow up on 2021 anomalies as well as expand the grid outwards to test for additional potential.

It is further recommended that the relatively untested 300-meter gap between the Shenkman and the Zamzam/Jowsey zones be explored as well as further deep drilling be conducted along strike of CAR-21-20 and CAR-21-21. The 1010 Zone, which has a number of anomalous gold intercepts including 19.8 gpt Au / 3.18m (WKD-07-19), 17.14 gpt Au / 1.20m (WKD-07-17B), and 60.27 gpt Au / 1.80m (TW-08-10-13) from past drill campaigns, and the area immediately north of the 1010 Zone also provide a target for future work.

Introduction

Melkior Resources Inc (Melkior) owns a 100% interest in the Carscallen Property in the Timmins west Area of northeast Ontario. The Property is located within the boundaries of Timmins, Ontario and is approximately 25 km southwest of the City of Timmins. The Carscallen property is in the Porcupine Mining Division and centered at the eastern part of the property boundary in Carscallen and Denton Townships. The Carscallen property shares approximately 9 km of common boundary with Pan American Silver's property that contains the Timmins West Mine and several other gold prospects.

In the past 13 years Melkior Resources has completed over 36,000 meters of drilling and discovered the high-grade gold-bearing zones within an NNW-SSE trend, 2.5 km by 1.2 km mineralized corridor. The gold system has been systematically traced from surface down to depths of 500 metres. There are nine distinct gold zones found within the property boundary: Zamzam, Jowsey, Shenkman, 1010 North and South, Mystery, Aumo, Behemoth and Wire gold areas.

On September 29th, 2020, Melkior Resources announced a strategic partnership with Kirkland Lake Gold Ltd. As part of this partnership, KLG has the right to earn in up to a 75% interest in the Carscallen Project through an option and JV agreement. Under the terms of the Option Agreement, Kirkland has an option to earn a 50% interest in the Property in consideration for completing \$10 million in exploration expenditures over a period of five years. Kirkland has a minimum commitment of \$3 million during the first two years of the Option Period, which includes \$1.5 million and a minimum of 3000 meters of drilling to be completed in the first year. Kirkland will act as the Operator of the Property during the Option Period. All expenditures beyond the Minimum Commitment are optional. Should Kirkland fail to incur the Phase 1 Expenditures during the Option Period, Kirkland's option to acquire the 50% interest shall expire. Upon Kirkland completing the Phase 1 Expenditures and earning its 50% interest, the parties shall enter into a joint venture agreement to carry on operations with respect to the Property (the "Joint Venture"). Upon the formation of a Joint Venture, Kirkland will have the right to earn an additional 25% interest in the Property by incurring exploration expenditures of \$100 million within the first five years of the formation of the Joint Venture. Any additional funds required beyond the \$100 million will be contributed by the joint venture parties based on their proportional joint venture interests (75%/25%).

This assessment report summarizes the 2020-2021 Exploration Program (hereafter referred to as the Program) which focuses on the Carscallen / Denton Townships. Key field activities included a two-phased, diamond drilling program totaling **10,256** meters in eighteen (18) drillholes, the first of a multi-phase 12.5m-station soil-geochemistry survey, and intermittent geological / structural - vein mapping on known gold showings, supplemented by rock (grab) sampling. All samples taken from the Program were sent to Activation Laboratories in Timmins, Ontario for Fire-Assay Gold (FAA/GRA) and multi-element total digestion (INAA-ICP-OES) analysis. The primary objective of the Program was to identify new exploration drill targets and to test and expand the footprint of the historical gold mineralization in the main gold showings.

Property Location, Access, Climate, Infrastructure and Physiography

The Property is located within the boundaries of the City of Timmins, Ontario and is approximately 25 km southwest of the center of Timmins (**Figure 1**). The project area is within the Porcupine Mining Division and centered at the eastern part of the property boundary in Carscallen and Denton Township.

Provincial Highway 101 transverses the southernmost claims in Denton Township and provides excellent access to the city of Timmins. All-weather roads and trails provide access to the main property. Timmins is a small mining-friendly city with a long mining history and home to personnel with the skills to work in the mining industry. The city is serviced by scheduled flights to numerous southern and northern Ontario destinations.

The climate in the area is classified as hemi boreal humid continental climate (Dtb), with cold winters (-5 to -40°C) and warm summers (+5 to +35°C). Annual average annual precipitation is 831 mm about half of which is in the form of snow (Environment Canada). Exploration and mining operations can be carried out year-round on the Property. Winter conditions are more favourable for drilling in some swampy areas.

The property is dominated by a swampy forest (mostly cedar and spruce). However, a granitic intrusion occurs in the center of the property, resulting in a local topographic high. The topography is relatively flat with thin overburden (~10 m). Elevation is about 325 m to 345 m Above Sea Level. Outcrop density is variable.

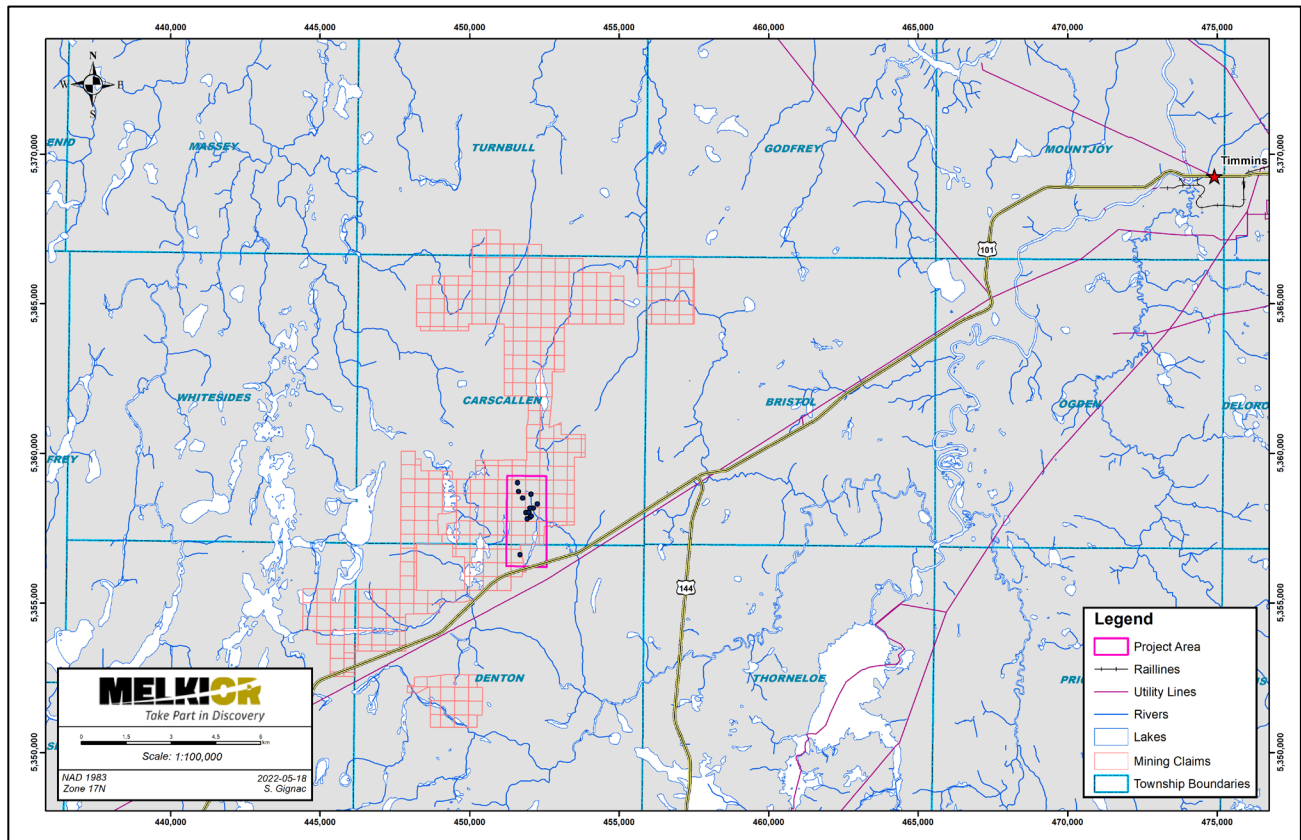


Figure 1. General Location Map of Carscallen Property.

Property Status

The Carscallen property mining claims are situated at Carscallen, Denton, Bristol, Keefer and Turnbull Townships. The mining claim status table are listed in **Appendix A Table 1**.

Most of the 2020-2021 drilling program (CAR-20-07-01 to CAR-21-21) except for hole CAR-21-22 in Behemoth showing was drilled within the Carscallen Township on cell claims 268606, 147069, 314454, and 240389. Hole CAR-21-22 is located at Denton Township, within mining cell claim 225135. All the property mining cell claims at Carscallen Project are in good standing.

Previous Work

The historical work section is based largely upon the report by Geovector in April 2014 entitled Report on 2011 to 2013 Exploration by Melkior Resources Inc. on the Carscallen Property and coauthored by Eric Hebert and Tom Setterfield.

The Carscallen property has been intermittently explored since the 1920's. Most of the surface showings were found by earlier workers, and several holes had been drilled into the mineralized corridors prior to acquisition of the property by Melkior in 2006. The summary below must be considered as incomplete.

Pre-Melkior Resources

The original geological mapping of Carscallen Township was completed by Hawley. The major lithologies were defined at that time. More recently, Carscallen and Denton townships were remapped and compiled by Hall and Smith (2002).

In 1926, Beanland and Hurst discovered the wire gold showings in thin quartz veins hosted by iron formation in the northeast part of the Carscallen Property. Some diamond drilling was completed, but no records were kept. The Shenkman vein was discovered and mapped over an exposed length of 120' in 1934. The showings contain low-gold values with some parallel quartz stringers within a highly silicified, sericitized-altered sulphide bearing wall rock.

By 1945 Rozak Porcupine Mines Ltd. Drilled holes X-1 to X4, 6, 7, 8 and 28 in the northern part of the Carscallen property. Hole X-1 has 2' @ 0.39 oz/ton Au in quartz vein. The report provided drill logs but no map location. In 1946, Nelson Hogg of the Ontario Department of Mines had visited the property when the 1010 and Jowsey veins had been discovered and preliminary exploration had been conducted by Jowsey-Denton Gold Mines Limited. Two shafts and numerous trenches had been excavated in the 1010 and Jowsey showings and drilled 20 holes, one hole at Jowsey had been reported to have intersected 1.1' @ 2.82 oz/ton Au.

Canadian Aero Mineral Surveys Limited completed an airborne electromagnetic survey for A.L. Parres in 1964 located north of present property. No conductor anomalies were identified.

In 1978, Gold Shield Syndicate completed ground magnetic and electromagnetic surveys on six claims at central part of the present property. Nothing of interest was found, except for a weak magnetic anomaly which correspond with the 1010 vein.

Ground magnetic and VLF surveys were completed by 508610 Ontario on the southern part of the Carscallen property in 1982; nothing of interest was found. By 1983, George Martin completed ground magnetics, VLF, soil sampling, prospecting, and rock sampling; nothing of interest was discovered. This property was later

acquired by Hawk Resources Limited. Cleyo Resources had completed geological mapping, trenching, sampling, ground magnetics and VLF over a three-claim property in the southeastern part of the Carscallen property. One trench grab sample returned 0.27 oz/ton gold in quartz porphyry and another trench grab sample from sheared granite at 0.46 oz/ton gold.

Gowest Resources conducted a geological survey and trenching on the east-central part of the Carscallen property in 1984. Trench samples up to 0.46 oz/ton gold were obtained from Jowsey Vein. The report contains good descriptions of the 1010, Jowsey and Wire Gold area.

In 1986, Hawk Resources Inc. conducted ground magnetic and electromagnetic surveys on the northeast part of the Carscallen property, which was followed by a 64-hole program of overburden drilling / basal till sampling. The highest basal till anomaly was 110 ppb Au. The anomaly was followed up with four short diamond drill holes, which failed to intersect anomalous gold.

P.J. Colbert had drilled four holes on the southern part of Carscallen in 1987, with no assays provided. A fifth hole was drilled in 1989 and reported assays of up to 3.25' @ 0.042 oz/ton Au in sheared granite with pyrite and trace chalcopyrite. Moreover, Northland Exploration Ltd had drilled 52 overburden drill holes on behalf of R.G. Smith and sampled the basal till from each hole. Two lines of holes were drilled in the Wire Gold area and one line in the Jowsey Vein. The highest gold assay was 110 ppb.

In 1991, Queenston Mining Inc. drilled hole 1010-91-1 on the 1010 vein. They obtained 1.5 m @ 9.5 gpt Au / 1.50 m in the vein. In 1996, Golden Gate Resources Limited explored the property that covers most of present claims. They conducted ground magnetics and horizontal loop electromagnetics, delineating several weak conductors. In the same year, Black Pearl Resources Ltd completed a ground magnetic and horizontal loop 16 electromagnetic survey over a small property covering the south part but failed to delineate conductor anomalies.

Starcore Resources Ltd. Completed filed survey and compilation of a property that covers the east part of the Carscallen property in 1996. A trench grab sample from the 1010 vein returned 119 g/t Au. Another trench grab sample yielded a sample of 10.1 g/t Au. The report contains a good compilation map. Exsics Exploration Limited performed a ground magnetic and MaxMin survey on present claims in 1997 for Prospector's Alliance Inc. In the same year, Exsics also completed geophysical surveys of the northeast part of the property for the Prime Equities Group. Several chargeability highs were noted, along with resistivity highs and lows.

In 2000, Explorer's Alliance Corporation contracted Fugro Airborne Surveys for a 2,345-line km combined electromagnetic/magnetic survey over parts of six townships, including all Carscallen.

In September 2005, Exsics Exploration Limited completed an IP survey immediately west of the Zamzam showing, then owned by C. Morgan. Two lines totaling 1.05 km were surveyed. Two "areas of interest" were identified.

Melkior Resources

Melkior Resources has purchased 100% interest in 65 mining claims and has slowly expanded its present boundaries since then by staking additional ground as it became available. Melkior is the first company to systematically explore the property, and to evaluate the gold mineralization in a methodical manner.

In the past 15 years, Melkior Resources has completed over 36,000 meters of drilling at Carscallen Property and has defined multiple, high-grade gold-bearing zones within an NNW-SSE trend, 2.5 km by 1.2 km mineralized corridor. The gold system has been systematically traced from surface down to depths of 500 metres. There are nine distinct gold zones found within the property boundary: Zamzam, Jowsey, Shenkman, 1010 North and South, Mystery, Aumo, Behemoth and Wire gold occurrence.

Gold prospecting and rock sampling were completed in 2006. Samples returned up to 58.7 gpt Au were collected from 1010 vein, and up to 70.3 gpt Au from the Jowsey. Sampling from the Wire Gold showing yielded low values. A sample taken northwest of Mahoney Lake returned 5.54 gpt Au was obtained from the trench immediately northwest of Mahoney Lake, which is known as the Shenkman zone. In the same year, Geotest Corporation completed a 63.2-line km ground magnetic survey on the property. Northeast trending structural features were identified within the Carlton Lake Pluton, and the magnetics were useful in delineating the contact between the pluton and the mafic volcanics. Further prospecting returned samples of up to 163 gpt Au were obtained from the 1010 vein, 280 gpt Au from the Jowsey, 14 gpt Au from the Shenkman, and 84 gpt Au from Mysterious Shear, which later became known as the Zamzam-Shenkman Zone.

In early 2007, 3.215-line km of spectral IP/resistivity were completed by JVX Ltd. A total of 86 IP anomalies were noted, of which 62 were weak, 19 were moderate and 5 were strong. Strong chargeability anomalies corresponded to the Wire Gold area, proximal to the Jowsey showing, and helped to define the newly recognized Zamzam-Shenkman trend. In addition, Melkior completed mechanical stripping of previously identified IP chargeability anomalies during the summer of 2007. Stripping was done on the 1010 zones, in Zamzam/Jowsey, Shenkman/Mystery, and Wire Gold. The program highlighted the discovery of the Zamzam zone, which was exposed over a 55 m strike length. The best assay was 843.7 g/t Au. Sampling of the 1010 vein returned up to 467 g/t Au, and visible gold was noted. Values up to 30.06 g/t Au were taken from the Jowsey vein. A 23-hole drill program, totalling 2,543 m, was completed in the fall and winter. The holes are numbered WKD-07-02 to WKD-07-18B and were drilled in the 1010 and Zamzam/Jowsey/Shenkman areas, Wire Gold and on several outlying chargeability anomalies. Highlights of the drilling include 3.18 m @ 19.8 g/t Au on the 1010 vein, 1 m @ 40.4 g/t Au on the Shenkman zone and 0.85 m @ 13.1 g/t Au on the Zamzam zone.

The following year of 2008, additional trenching was completed on the Zamzam, with grab samples attaining values up to 34.9 g/t Au. Melkior drilled 48 holes labelled TW-08 series for a total of 2,846 m. Most of the holes (33) were drilled on the 1010 structure and minor Zamzam and Shenkman zones. Drill results from the 1010 structure include 2.45 m @ 8.12 gpt Au, 1.80 m @ 60.3 gpt Au, 1.80 m @ 5.63 gpt Au and 1.30 m @ 7.18 gpt Au. The Zamzam zone returned 0.70 m @ 12.5 g/t Au, and its southeastern extension the Shenkman zone yielded 1.0 m @ 55.2 gpt Au.

Melkior drilled 21 holes totalling 4,111.5 m in 2009 and 37 holes totalling 13,538.38 m. The Drilling campaign consisted of intermittent drilling on the Zamzam/Shenkman zone, with lesser drilling in other areas. Holes CAR-28-2010 to CAR-57-2010 were drilled during this period. In addition, Melkior cut 40 km of new grid, followed by 41 km of ground magnetics and 21.8-line km of IP/Resistivity. Melkior drilled 21 holes in the summer to follow-up on IP targets (CAR-1-2009 to CAR-27-2009), as well as a completion of soil geochemical survey. Prospecting included the collection of 137 grab samples and 157 channel samples. A down-hole IP/Resistivity survey was completed by Abitibi Geophysics in July/August. 25 holes were surveyed, and a three-dimensional chargeability model was generated. Drilling of 7-holes resumed in late 2010 including the extension of two holes to provide improved access at depth for a second round of down-hole IP/Resistivity, conducted in early 2011.

Melkior's first IP/Resistivity survey on the property was performed by JVX Ltd in 2007. Two rounds of IP/Resistivity were completed in 2009 by Exsics Exploration Limited including the 21.8-line km were surveyed in March and an additional 22-line km in November. The chargeability anomalies correlate well with the mineralized zones. IP/Resistivity results were used on an ongoing basis to assist with drill hole targeting. Down-hole IP/Resistivity was also performed by Abitibi Geophysics in July/August 2010. A total of 27 independent pairs of receiver holes were surveyed over the property and modeled in a three-dimensional inversion program. The survey delineated a zone of high chargeability (20–100 mV/V) located in the northwest part of the survey area (Zamzam) and extending below 600 m. The highest inferred chargeability

occurs below the depth of most of the drill holes. In late 2010, Melkior commissioned a versatile time domain electromagnetic airborne survey over the Carscallen property and other nearby properties.

A soil sampling program was carried out on the Carscallen property in October 2009. Samples were collected at 50 m intervals on 100 m spaced cut lines. Two 500 g samples were collected at each station—one for Mobile Metal Ions (MMI) and one from the B-horizon (where present). A total of 255 samples were collected for MMI and submitted to SGS Canada Inc – Mineral Services in Toronto. In addition, 227 traditional B-horizon soil samples were collected and submitted for Au and multi-element geochemical analysis to Activation Laboratories Inc. of Ancaster, Ontario.

In 2015 a geological interpretation was done on the Shenkman, Zamzam and Jowsey zones resulting in the description of 11 disparate vein systems. The vein system encountered in drill hole CAR-19-03A, 20-04 and 20-05 suggests the strongest vein system to date that can be effectively traced up dip and downdip for 220 meters.

Between the months of March and April 2020, a drill program encompassing drill holes CAR-20-04, CAR-20-05, CAR-20-06 were drilled in Carscallen Township on cell claim 240389. Results from the 2020 drilling campaign were encouraging and suggest that gold mineralization appears to improve at depth with both increased gold concentrations and widths. The drilling also strongly reinforces the theory that gold mineralization is epigenetic and crosscuts both the granodiorite and underlying mafic volcanics.

Regional and Property Geology

The Geology section is based largely upon a report by Geovector in April 2014 entitled Report on 2011 to 2013 Exploration by Melkior Resources Inc. on the Carscallen Property and coauthored by Eric Hebert and Tom Setterfield.

Timmins Mining Camp lies within the Southern Abitibi Greenstone Belt (SAGB) of the Superior Province in northeastern Ontario and is one of nine major volcanic centers of the Abitibi greenstone belt defined by Goodwin and Ridler (1970). In general term, the SAGB consists of Late Archean metavolcanic rocks, related synvolcanic intrusions, and clastic metasedimentary rocks, intruded by Archean alkaline intrusions and Paleoproterozoic diabase dikes. The stratigraphy suggests deposition through autochthonous successions, with their current complex map pattern distribution developed through the interplay of multiphase folding and faulting. Refer to **Figures 2 and 3**.

Structural complexity has made stratigraphic syntheses challenging; Hence, the district was divided into different "tectonic assemblages", based on similarities in stratigraphy, litho-geochemistry, age dates and aeromagnetic and airborne EM signatures (Jackson and Fyon, 1992). Since the initial division of the Abitibi belt into tectonic assemblages, more accurate and more abundant age dates have enabled a simplified and improved delineation of the assemblages to be made (Ayer et al., 1999). In the Timmins district, three volcanic assemblages (Deloro, Kidd-Munro and Tisdale) and two sedimentary (Porcupine and Timiskaming) assemblages are recognized, all of Archean age. The Deloro assemblage is the oldest, and consists of mafic to felsic, calc-alkalic metavolcanic rocks and associated iron formation. The Kidd-Munro assemblage which is predominantly tholeiitic to komatiitic volcanics unconformably overlies the Deloro assemblage (Ayer et al. 1999). The Tisdale assemblage overlies the Kidd-Munro assemblage and ranges from tholeiitic mafic to komatiitic metavolcanic rocks with minor rhyolite, grading up to calc-alkalic pyroclastic rocks and local iron formation. The Porcupine assemblage is the oldest sedimentary package and consists mostly of turbiditic sediments; it unconformably overlies the volcanic assemblages. The Timiskaming assemblage consists of coarse clastic metasediments and overlies the Porcupine assemblage.

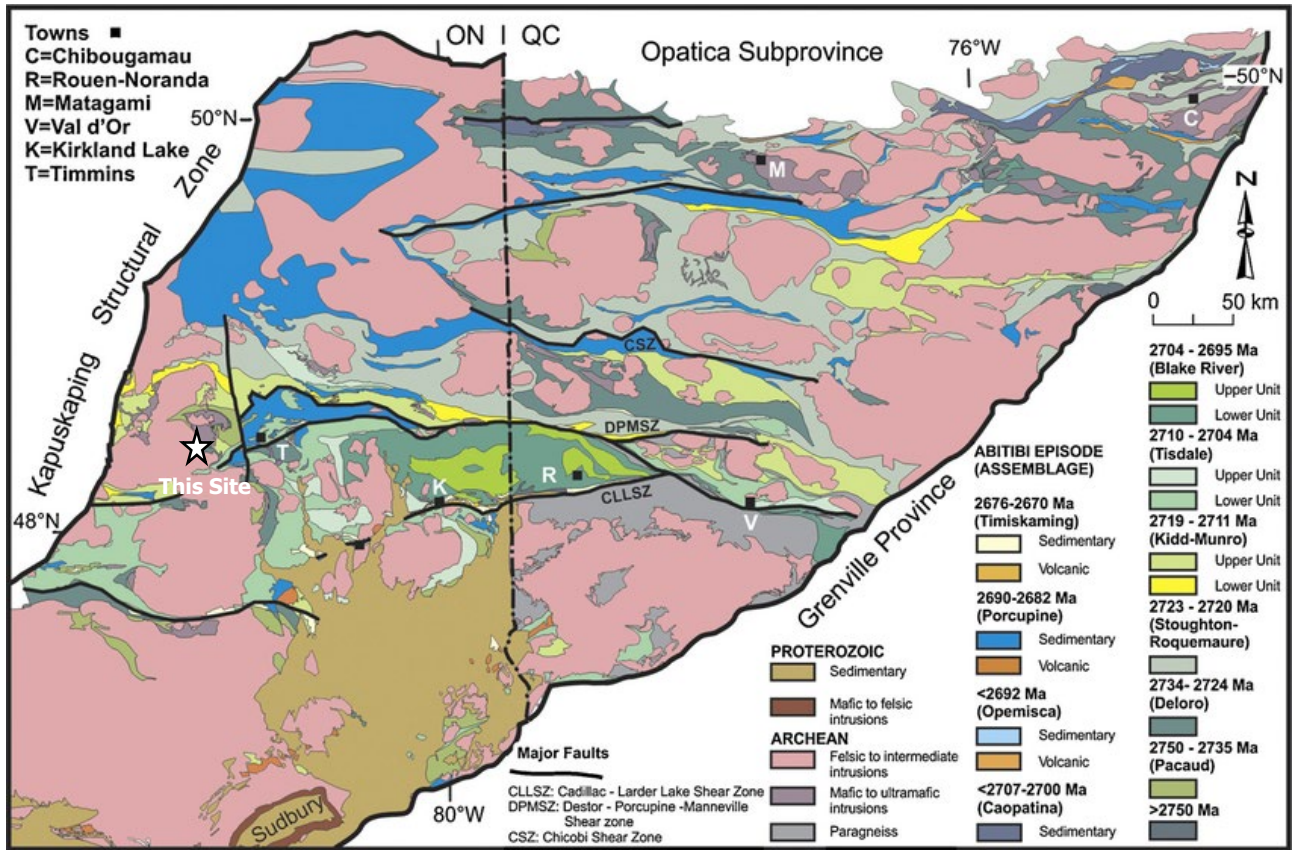


Figure 2. Regional Tectonic Map of Abitibi Greenstone Belt.

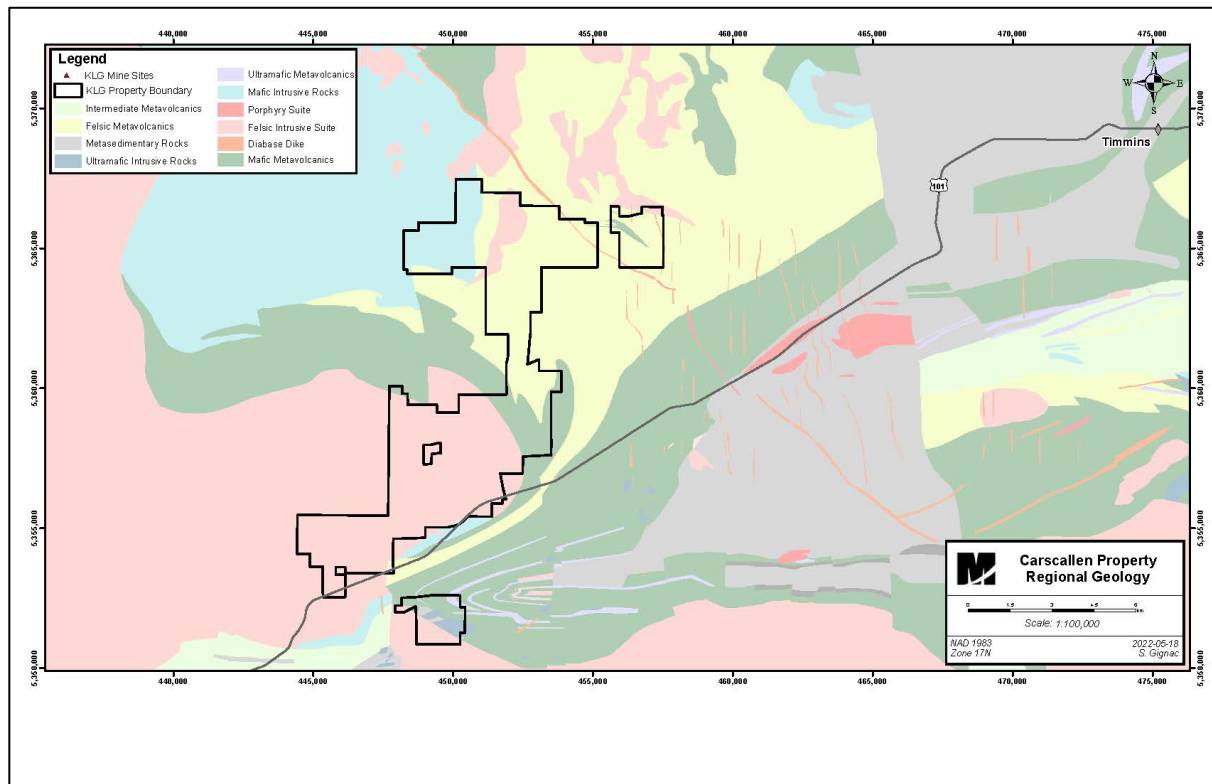


Figure 3. Regional Geology and Property Landholding Map.

The volcano-sedimentary rocks have been intruded by the Kamiskotia Gabbroic Complex, roughly equivalent in age to the Tisdale assemblage (Hall and Smith), and by later, predominantly felsic, Archean plutons, as well as Proterozoic dike swarms. The most important regional structural element is the east-northeast trending Porcupine- Destor Fault Zone (PDFZ), which is traceable for more than 450 km. This fault zone and associated splays influence the location of many of the major gold deposits in the Abitibi greenstone belt. The PDFZ passes 3 km south of the Carscallen property.

BEDROCK GEOLOGY

The bedrock of the Carscallen property consists mainly of felsic plutonic rocks (granodiorites) of the Carlton Lake Pluton in the western part of the property, intruding into mafic metavolcanic rocks of the Deloro assemblage. The rock types observed at surface and in core include granite/granodiorite, mafic volcanic rocks, iron formation (sulfide and oxide facies), quartz-feldspar porphyry intrusions/dikes gabbroic intrusive dikes to the north of the Zamzam/Jowsey Zones and locally Lamprophyre dikes. Ultramafic rocks have been mapped on the property (OFR6093); and in the 2017 drill program, ultramafic dikes were recognized proximal to the Behemoth Zone. More recently, felsic volcanics such as rhyolites and dacitic rocks have been recognized intercalated with massive mafic volcanics and mafic flow breccias.

Granite/Granodiorite

A large granite intrusion, most likely a lopolith, occurs in the western and central part of the property. It consists of a medium to coarse-grained granite and/or granodiorite, depending on the abundance of potassium feldspar. According to Hall and Smith (2002), this intrusion is the Carlton Lake Pluton, an Archean plutonic unit. Several alteration styles affect the granodiorite including a pervasive hematite-calcite purple-red alteration, a light green epidotitic phase and a silica-sericite-ankerite dark grey alteration which are often host to sulphide enrichment.

Mafic Volcanic Rocks

A thick sequence of mafic volcanic rocks with minor interbedded iron formation (chert- magnetite-sulfide) occurs in the eastern part of the property and at depth underneath the granite lopolith. The volcanic rocks, which are part of the Deloro assemblage, are mainly massive flows, interbedded with flow breccia and locally pillowed lava. This unit is intruded by the Carlton Lake granite. Xenoliths of mafic volcanic rocks are locally caught up in the granite intrusion. Granite with mafic xenoliths is a good host rock for gold mineralization.

Quartz Feldspar Porphyry (QFP)

A series of QFP dikes crosscut both the Deloro Assemblage and the Carlton Lake intrusions. They typically contain 1-5% disseminated pyrite grains (euhedral) and local pyrite stringers. The QFP dikes are pervasively carbonatized, and often sericitic and potassic, giving the rock a light beige color. These dikes vary from ~5 to 30 meters in thickness.

Iron Formations

Iron formations are encountered in some drill holes, consisting of layers of pyrite, pyrrhotite, magnetite and chert. The total thickness is about 10 meters. These iron formations occur at the top of the mafic volcanic unit under the Shenkman area and a strong exposure on surface occurs on the Wire Gold showing.

GOLD MINERALIZATION

Gold mineralization occurs in pyrite-quartz veins/stringers which contain 10 to 50% pyrite. The veins are typically several cm to almost half a meter-thick grading generally between 1 g/t Au to 100 g/t Au, and

mostly occur within corridors several meters wide. Five main mineralized corridors are recognized: Zamzam/Jowsey, Shenkman, 1010, Aumo-Mystery and Behemoth. Quartz-feldspar porphyry dikes appear to be spatially related to these mineralized corridors. At depth, near the granite/mafic volcanic rock contact, gold mineralization occurs in the granite within pyrite-rich mafic xenoliths.

2020/2021 Exploration Program

Drilling Program

Overview

Diamond drilling at the Carscallen Project was completed in two phases. The first phase commenced in October 2020 and continued until February 2021 with the second phase running from October to December 2021. These two phases of drilling were completed with a total of 10,256 meters of HQ/NQ core in 18 boreholes (**Figure 4**). The two phases of drilling on the property were able to confirm the presence of gold mineralization in targeted areas with anomalous gold values in all but one of the drillholes. The drilling results have also expanded the gold mineralization 350m to north, and downdip 200m below historical drilling in select areas. The drill collar summary is listed in **Appendix A Table 2**.

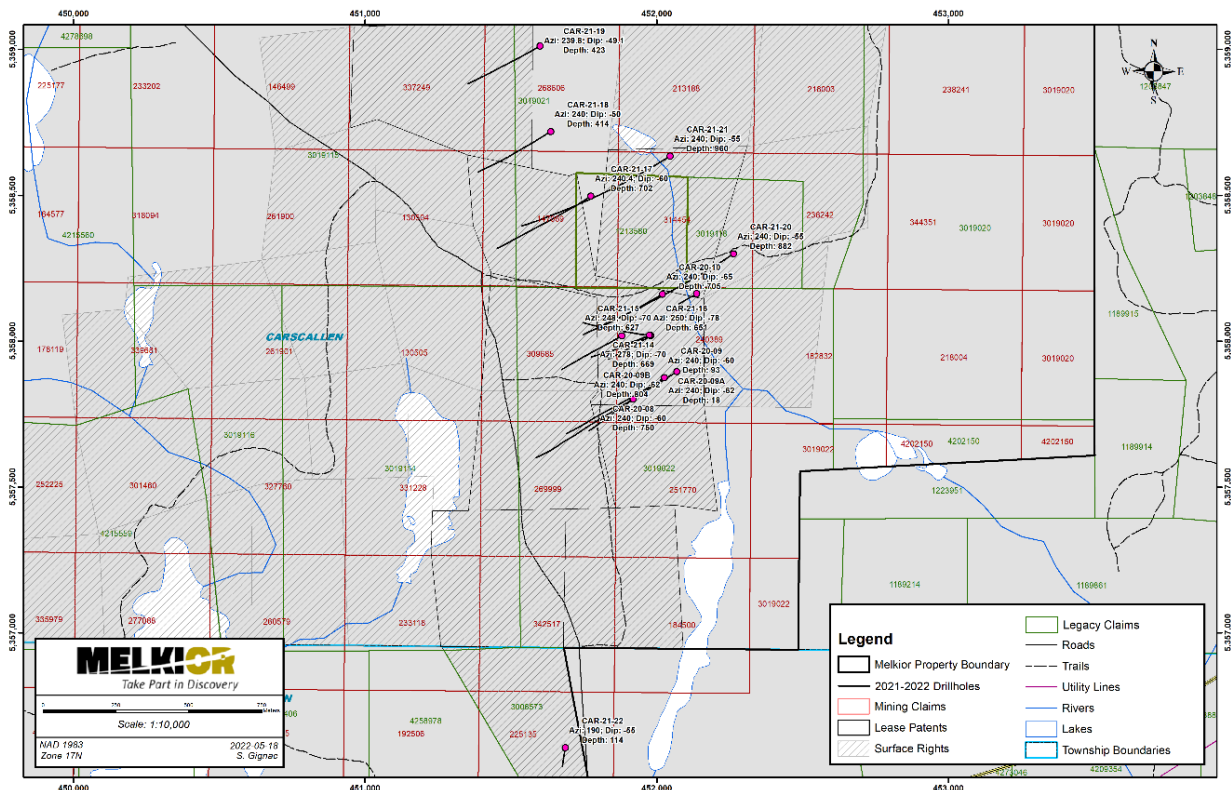


Figure 4. Drillhole Location Map for the 2020-2021 Program.

Major Drilling Company was contracted by Kirkland Lake Gold to carry-out the drilling programs. Certified reference standards and blanks were routinely inserted into the sample stream as part of the company's Quality Control / Quality Assurance program. Results are analyzed as samples are returned and as part of a monthly QAQC report. Peter Caldbick, P.Geo logged the diamond drill core at a secure core facility rented by Kirkland Lake Gold on Airport Road in Timmins, ON.

A permit from the Ministry of Northern Development and Mines (MNDM) was submitted and approved as permit PR-20-000049 with adequate consultation and approval by Mattagami First Nation on July 6, 2020, by Melkior Resources. This permit was subsequently amended and approved by the MNDM as permit number PR-21-000066 by KL Gold due to an expanded scope of drilling and, again, approved by Mattagami First Nation.

Drill Hole Summaries

CAR-20-07 was collared at UTM coordinates 5358162N and 452136E. The first hole of the program, CAR-20-7 was drilled to 177.0m depth and targeted to test the high-grade intersection in historical hole CAR-80-2012 of 51.9gpt Au/ 3.7m approximately 50m down-dip. The hole was abandoned due to collaring and staying in a bad fault zone with very low RQD and broken, rubbly core in the granodiorite. Drilling was very difficult and after reviewing available information (fault intersected in CAR-80-2012 only) it was determined that it would be best to stop the hole and reassess how to better drill the target.

CAR-20-8 was collared at UTM coordinates 5357800N and 451918E and was designed as an uppercut to an earlier hole CAR-20-06 which intersected 5.60gpt Au / 9.5m and was collared approximately 50 meters up dip of this intercept. The hole intersected **7.39gpt Au / 0.5m** from 400.5m to 401.0m below the anticipated projected intercept. The hole was completed at a depth of 750.0m. It encountered granodiorites down to 341 meters where it passed into the underlying sequence of mafic flows. The hole transitioned into possible felsic to intermediate volcanics between 509.0m to 550.0m depth and back into mafic volcanics between 588.0m to 743.0m. Between 708.0m to 710.0m, the hole intersected an iron rich (magnetic) interflow sediment with up to 15% pyrrhotite. The hole went back into intermediate volcanics between 743.0m to the end of the hole at 750.0m.

CAR-20-9B was collared at UTM coordinates 5357874N and 452056E and was drilled to a depth of 804.0m and targeted approximately 50 meters downdip of the intersection in CAR-20-6. The hole setup was unusually difficult due to topography. Two holes, CAR-20-09 (96.0m) and CAR-20-09A (18.0m) were abandoned due to extreme deviations near the top of the holes. Hole CAR-20-9B consisted of granodiorites to 339.0m with intercalated basalt flow breccias, felsic volcanics, intermediate to felsic volcanics, massive and pillowed basalts punctuated by three (3) quartz feldspar porphyry dykes. A magnetite banded and silicified possible interflow sediment was intersected between 471.0m to 484.0m with bands of semi-massive pyrrhotite. This unit was interpreted as a stratigraphic marker as this unit was encountered in CAR-20-06. Felsic to intermediate volcanics were intersected from 538.0m to 611.0m and were similar to the favourable stratigraphy encountered in CAR-20-06. The remainder of the hole encountered mafic volcanics with a quartz vein or possible chemical exhalate intersected between 700.0m to 704.0m with 12 to 15% patchy semi-massive pyrrhotite. The best results from this hole occurred at a faulted contact between mafic and felsic volcanics and consisted of an intercept of **8.93gpt Au / 3.0m** from 534.5m to 537.5m including **38.80gpt Au / 0.5m** from 537.0m to 537.5m depth (**Figure 5**).

CAR-20-10 was collared at UTM coordinates 5358161N and 452019E and was designed to test the strike extension approximately 50 meters northwest of such earlier intercepts in CAR-19-03A which intersected 23.5 g/t Au over 8.0 meters 430 meters vertically below surface and CAR-20-05 which intersected 25.7 g/t Au over 6.0 meters 350 meters below surface. The hole was terminated at 705.0 meters depth. It collared in granodiorite and passed into mafic volcanics at 309.7m. The hole encountered two sulphide enriched quartz vein zones from 408.0m to 415.0m and 598.2m to 600.0m. The upper zone possessed scattered columnar aggregates of subhedral pyrite within quartz-calcite gangue up to 7 cm in width with up to 20 - 25% pyrite and 2- 3% patchy chalcopyrite. The lower zone was comprised of silicified graphitic wall rock hosting 10 - 12% subhedral pyrite aligned parallel to well-developed carbonate banding. The granodiorite/mafic volcanic contact was intersected at 309.7 meters. CAR-20-10 assayed **6.85gpt Au / 4.1m** from 408.5m to 412.6m including **40.10gpt Au / 0.5m** from 412.1m to 412.6m.



Figure 5. Drill core intercept showing sulphide rich veins zones in felsic (rhyolite?) volcanics. Significant gold intercept at 8.93 gpt Au/ 3.0m (from 534.5m) including 38.80 gpt Au / 0.50m.

CAR-20-11 was collared on UTM coordinates 5358016N and 451878E. The hole was collared approximately 70 meters northwest of drill hole CAR-19-03A and was intended to test for up-dip continuity of mineralization in holes CAR-80-2012 51.9gpt Au / 3.7m CAR-19-03A, 23.5gpt Au / 8.0m Car-79-2012, 4.36gpt Au / 5.25 m CAR-61-2010 8.74gpt Au / 7.3m on the same section. The hole encountered two mineralized upper zones hosted within carbonatized granodiorite (grey zones) notably from 223.9m to 231.0m and from 240.2m to 244.7m. Two mineralized lower zones were intersected as well from 293.7m to 298.8m described as a mineralized zone and hosted within a silicified granodiorite and a quartz vein or silicified zone from 328.3m to 330.0m with 10 - 12% pyrite and 1 - 2% chalcopyrite, arsenopyrite, and sphalerite. The granodiorite/mafic volcanic contact was intersected at 366.6 meters and a mineralized zone from 399.2m to 411.5m was intersected within chloritic, locally sericite and epidote altered mafic volcanics. The best intercepts from the hole consisted of **2.25gpt Au / 5.1m** from 293.7m to 298.8m including **12.30gpt Au / 0.5m** from 293.7m to 294.2m depth.

CAR-21-12 was collared on the southern portion of the Sherkman zone on section 5950 on UTM coordinates 5358019N and 451977E and was designed to test the strike extension approximately 50 meters southeast of earlier intercepts in CAR-19-03A and CAR-20-05. The drill hole was collared in granodiorites and passed into the underlying mafic volcanics at 323.7m. Within the mafic volcanics a mineralized zone was intersected between 357.0m and 363.0m. Although there were appreciable sulphides, this zone assayed **1.61gpt Au / 1.0m** from 361.0m to 362.0m. Additional assays from the hole included **7.46gpt Au / 0.5m** from 464.5m to 465.0m which was associated with 6 to 7% semi-massive chalcopyrite. A second zone was intersected within a flow breccia and assayed **14.76gpt Au / 2.1m** including **60.50gpt Au / 0.5m**. The intercept with 60.50gpt Au was described as a 10 cm pyrite bearing quartz vein with approximately 35 to 40% columnar aggregates of subhedral pyrite. The hole was terminated at 654.0 meters in a volcanic flow breccia.

CAR-21-13 was collared on UTM coordinates 5357888N and 452070E. The hole was collared approximately 50 meters southeast of CAR-20-09B and was intended to test for down-dip continuity of significant gold mineralization in CAR-20-09B. The hole was collared in granodiorites and passed into the underlying mafic volcanics at 378.3m. The drill hole passed through eight carbonatized or "grey zones" with appreciable sulphides described as clusters of subhedral aggregates of pyrite within the granodiorite, all of which were sampled. The drill hole encountered 4 separate magnetite and sulphide rich iron formations from 536.8m to 565.1m, 728.2m to 731.6m, 744.9m to 753m and 770.3m to 791.0m. Although the last iron formation appeared encouraging in terms of the addition of cherty chemical exhalites, late crosscutting quartz veins, and what appeared to be two generations of significant quantities of sulphides, the iron formations produced only anomalous gold mineralization. The sole significant intercept in this drill hole was **2.08gpt Au / 0.5m** from 243.6m to 244.1m within a silicified granodiorite. It is hypothesized that any deeper mineralized zones may have been crosscut by late magnetite iron formations.

CAR-21-14 was collared at UTM coordinates 5358019N and 451976E on the same collar location as drill hole CAR-21-12 and was designed to intersect the down plunge intercept in hole CAR-19-3A which intersected 23.5gpt Au/8.0m. The drill hole was set with an azimuth of 278 degrees and 70-degree dip. Two notable intercepts were encountered which included **6.18gpt Au / 2.0m** from 376m to 378m and **7.79gpt Au / 2.0m** from 405.0m to 407.0m including **31.00gpt Au / 0.5m** from 405.0m to 405.5m. The upper zone occurred close to the granodiorite/mafic volcanic contact which possesses hematized granodioritic xenoliths and is considered a favorable environment for gold deposition and the second lower zone occurred with two quartz-pyrite veinlets with a 5 cm quartz veinlet at 405.1 meters with 60 to 65% semi-massive pyrite. Additional mineralized zones were encountered deeper in the hole but did not return any significant gold values.

CAR-21-15 was collared at the same coordinates as CAR-21-14 with an azimuth of 248 degrees and dip of -70 degrees with the intent of intersecting the down plunge intercept in drill hole CAR-19-03A. This drill hole assayed **2.80gpt Au / 1.3m** from 328.0m to 329.3m within a mafic dike. The drill hole further intersected **4.89gpt Au / 1.0m** from 459.0m to 460.0m within a silicified and potassic feldspar porphyry dike and **4.51gpt Au / 1.0m** from 512.0m to 513.0m within mafic volcanics with approximately 12 to 15% clusters of subhedral pyrite within carbonate patches.

CAR-21-16 was collared at the same location as the previous two drillholes with a slight variation in the easting location of 451978E and 5358019N with the intent, as in the previous 2 holes, to intersect the down plunge intercept in drill hole CAR-19-03A. This drill hole intersected **4.64 gpt Au / 1.0m** from 614.0m to 615.0m within carbonate patches with 4 to 5% disseminated and blebby pyrite within mafic volcanics and 1.15gpt Au/ 1.0m from 620.0m to 621.0m within a 3 cm quartz-carbonate veinlet with approximately 20 to 25% subhedral pyrite clusters.

CAR-21-17 was collared at UTM coordinates 5358492N and 451768E. The first hole of the fall program, CAR-21-17 was drilled to a depth of 702.0 meters and designed as an infill hole to test the high-grade intersections in CAR-58-2010 of 44.1 gpt Au / 0.65m and 26.2 gpt Au/ 0.50m approximately 100m down-dip. Hole CAR-21-17 was collared immediately east of the granodioritic contact and was comprised of intercalated massive basalts and mafic flow breccias with rhyodacitic flows in the upper portions of the stratigraphy. In addition, the volcanic flows were intruded by gabbroic flows, granodioritic dikes interpreted to be apophyses from the overlying Carlton granodioritic pluton and feldspar porphyritic dikes. CAR-21-17 Intersected eight (8) multiple, narrow, gold zones up to 7.13gpt Au/ 0.50m. The best results included **6.38 gpt Au / 0.5m** from 388.5m to 389.0m occurring within a 5 cm quartz vein with 20 to 25% subhedral pyrite within a gabbroic intrusive and **3.66 gpt Au / 1.0m** from 495.0m to 496.0m meters including **7.13 gpt Au / 0.5m** from 495.5m to 496.0m occurring within a 5 cm dolomitic band with 8 to 10% subhedral pyrite within mafic flow breccias.

CAR-21-18 was collared at UTM coordinates 5358714N and 451632E and planned as a step out drillhole located north of the Jowsey Zone and intended to follow up on a historical intercept in CAR-63-2011 which intersected 10.15 gpt Au / 0.5m. CAR-21-18 was collared approximately 60 meters southwest of an historic drill hole CAR-16-100 which intersected 3.84gpt Au/ 0.55 meters from 275.5m to 276.05m depth. CAR-21-18 was comprised largely of massive mafic basalts intercalated with mafic flow breccias with intermediate to felsic volcanics between 287.0 and 311.0 meters and gabbroic intrusives between 254.0m and 276.0m depth. This hole had five gold intercepts, the stronger of which was **8.70 gpt Au / 0.5m** from 125.5m to 126m meters, **6.38 gpt Au / 0.5m** from 376.0m to 376.5m and **6.88 gpt Au / 1.5m** from 384.5m to 386.0m including 19.60 gpt Au / 0.5m from 385.5m to 386.0m depth. All the above intercepts occurred within narrow pyritic veinlets often with approximately 20 to 25% semi-massive pyrite and hosted within mafic basalts. The hole was terminated at 414.0 meters (**Figure 6**).



Figure 6. Drill core intercept showing several quartz-carbonate sulphide veins cutting through mafic volcanics. Significant gold intercept at 6.88 gpt Au/ 1.50m (from 384.5m) including 19.60 gpt Au / 0.50m.

CAR-21-19 was collared at UTM coordinates 5359006N and 451595E approximately 300 meters north of the collar of CAR-21-18 and 350 meters north of the Zamzam/Jowsey zones. The drill hole was designed to target a cluster of high MMI Au (21-74 Response Ratio). The drill hole was originally planned for 300 meters but upon encouraging deeper Au results from hole CAR-21-18 (6.88 gpt Au over 1.5 meters between 384.5 to 386 meters) it was decided upon to continue to 400 meters. Visual indications of sulphides within a 35 cm quartz vein between 401 and 401.5 meters necessitated an additional 20 meters of drilling and the hole was terminated at 423 meters. This quartz vein possessed considerable chalcopyrite, sphalerite, pyrrhotite and pyrite and returned an intercept of **5.84 gpt Au / 1.5 meters** from 400 to 401.5 meters including **16.1 gpt Au / 0.5 meters** from 401 to 401.5 meters. Assays for the base metal potential in this vein are pending. This intercept is interpreted to be a north south vein system encountered in CAR-21-18 and described as a 10 cm quartz vein with 35 to 40% clusters of subhedral pyrite that returned a value of **19.6 g/t Au / 0.5 meters** from 385.5 to 386.0 meters. As such, this intercept has extended the strike potential of the Zamzam/Jowsey zones by an additional 350 meters (**Figure 7**).



Figure 7. Drill core intercept showing quartz-carbonate sulphide veins in mafic volcanics. Significant gold intercept at 5.84 gpt Au / 1.50m (from 400.0m) including 16.10 gpt Au / 0.50m.

CAR-21-20 was collared at UTM coordinates 5358292N and 452268E and was intended as a deeper undercut on the Shenkman zone. The hole was collared in rubbly and faulted granodiorite influenced by a north south lineament expressed topographically as a creek and encountered previously in drilling with CAR-21-07. In this instance, the hole was drilled with HQ core and then reduced to NQ once it was assured the fault zone had been bypassed. The drillhole encountered the granodiorite/mafic volcanic at 312 meters and stayed within intercalated massive mafic volcanics and mafic flow breccias to the end of the hole at 882 meters. The exception in this hole was a carbonatized and slightly potassic granodioritic dike from 623.4m to 653.4m which possessed abundant pyritic veinlets notably between 630.0m and 645.0m. The most notable intercepts in this mineralized zone were **7.16 gpt Au / 0.5m** from 630m to 630.5m, **5.04 gpt Au / 0.5m** from 631.0m to 631.5m and **10.82 gpt Au / 3.0m** from 642.0m to 645.0m including **51.90 gpt Au / 0.5m** from 643.5m to 644.0m. The granodioritic dike is interpreted to be an apophyse from the main Carleton granodiorite pluton. This drillhole helped extend gold mineralization an additional 200 meters downdip of previous historic drill results (**Figure 8**).

CAR-21-21 was collared at UTM coordinates 5358642N and 452055E and was intended as a deeper undercut on the Zamzam/Jowsey zone. The drill hole encountered intercalated massive mafic basalts and mafic flow breccias with felsic volcanics encountered from 27.0m to 39.0m and a gabbroic intrusive from 108.0m to 133.0m. The best intercept consisted of a series of mineralized quartz veinlets between 590.0m and 591.0m and returned values of **2.92 gpt Au / 1.1m** including **5.80 gpt Au / 0.5m**. This zone is interpreted to be the down dip expression of an earlier intercept in CAR-32-2010 which returned 5.78 gpt Au/ 2.5m. As such, this intercept increased the downdip continuity of this zone by an additional 200 meters should this interpretation be correct.



Figure 8. Drill core intercept showing quartz sulphide and pyritic veins in granodiorite. Significant gold intercept at 10.20 gpt Au/ 3.0m (from 642.0m) including 51.90 gpt Au / 0.50m.

CAR-21-22 was collared at UTM coordinates 5356610N and 451688E and was collared approximately 50 meters west of an historic drill hole CAR-17-14 at the Behemoth zone. A summer mapping and sampling program was executed by geologist Bobby Paloma who deduced that the Behemoth vein zones, based on outcrop exposure were trending east-west and thus, CAR-21-22 was collared to the north at a 190-degree azimuth to intersect the downdip expression of these vein systems. The drill hole was terminated at 303 meters and the entirety of the drill hole was within epidotitic and potassic granodiorites with scattered dark grey carbonatized and chloritic zones often with abundant sulphide mineralization. Four carbonatized zones were encountered between 69.5m and 113.4m with considerable sulphide mineralization. Assays returned to date include **1.37 gpt Au over 1.5 meters** from 69.5 to 71.0 meters including **2.45 gpt Au over 0.5 meters** from 70.5 to 71.0 meters. Additional assays include **0.93 gpt Au over 2.0 meters** including **1.45 gpt Au over 0.5 meters** from 88.0 to 88.50 meters. Additional carbonatized zones occurred from 146 to 152 meters and from 264.8 to 266 meters but returned only anomalous gold values.

Results from both the fall/winter 2020/2021 and the fall 2021 drill campaigns have been encouraging and validate the theory that gold mineralization is epigenetic and can be traced from surface within the granodiorite and continue below the granodioritic contact into the underlying mafic volcanics where widths and gold tenors increase at depth. The complete gold drill Intercept table for the 2020-2021 program is listed in **Appendix A Table 3**.

Deep drilling on holes CAR-21-20 and CAR-21-21 in both the Sherkman and Zamzam/Jowsey suggest that gold mineralization continues and is open at greater depths leaving exploration potential open. The two drill holes CAR-21-18 and CAR-21-19 have effectively opened the strike extent of the Zamzam/Jowsey zones by an additional 350 meters to the north with the intersection of an auriferous north-south trending vein system intersected at comparable depths and with similar grades.

Soil Geochemical Program

A systematic, geochemical soil sampling (B-horizon) program was designed to identify additional anomalies in proximity to known gold showings at Carscallen Property. The objective of the soil sampling program was to identify geochemical anomalies in soil to support an on-going gold-base-metal exploration campaign.

The Phase-1 soil program, which is a combination of infill and step-out samples, was carried out at station spacings of 12.5m with a nominal 100 m line separation from August to September 2021 through a local field contractor, Exsics Exploration Limited. Overall, a total of 1113 out of 1624 planned samples (or about 70% sample output) from 17 soil grid lines were collected by the field crew.

The sampling program was completed within fifty (50) days, and was slowed down by intermittent rains, crew availability and deep soil profiles. A total of 1,187 samples including QAQC (43 standards, 31 field duplicates) was sent to Activation Laboratories (Actlabs) for gold and multi-element analysis (**Figure 9**). Final analysis was carried out on Fire Assay Gold, and Gravimetric Method and Multi-element Total Digestion INAA-ICP-OES.

A new area approximately 900m northwest of the 1010 North Zone indicated two gold soil anomalies, the largest of which was in the 50-100 ppb Au range, and which also coincides with a strong IP chargeability conductor. Should future drill testing meet with success, this would considerably expand upon the strike extent to the north of the 1010 Zone. Two strong soil anomalies within the 100-315 ppb Au range occur approximately 400 meters east and 200 meters southwest of the Mystery prospect and are encompassed by a strong IP chargeability anomaly. As the proposed drilling on the Mystery showing is oriented as a west trending drill hole, these soil anomalies may warrant additional drilling to test these areas.

Another area of interest occurs in a north-south linear trend immediately east of the Wire Gold showing which appears to be along the contact of a significant north-south trending diabase dike. These soil anomalies span a trend of 500 meters and occur in the heart of a significant IP chargeability anomaly. Two moderate gold soil anomalies occur within 100 meters both east and west of the Behemoth prospect and may warrant additional scrutiny as well.

It is interesting to note that hole CAR-21-19 was designed to test elevated soil MMI anomalies and was successful in intersecting gold mineralization within a 35 cm quartz vein 401 meters downhole which, if projected to surface, would coincide with the location of the MMI anomalies.

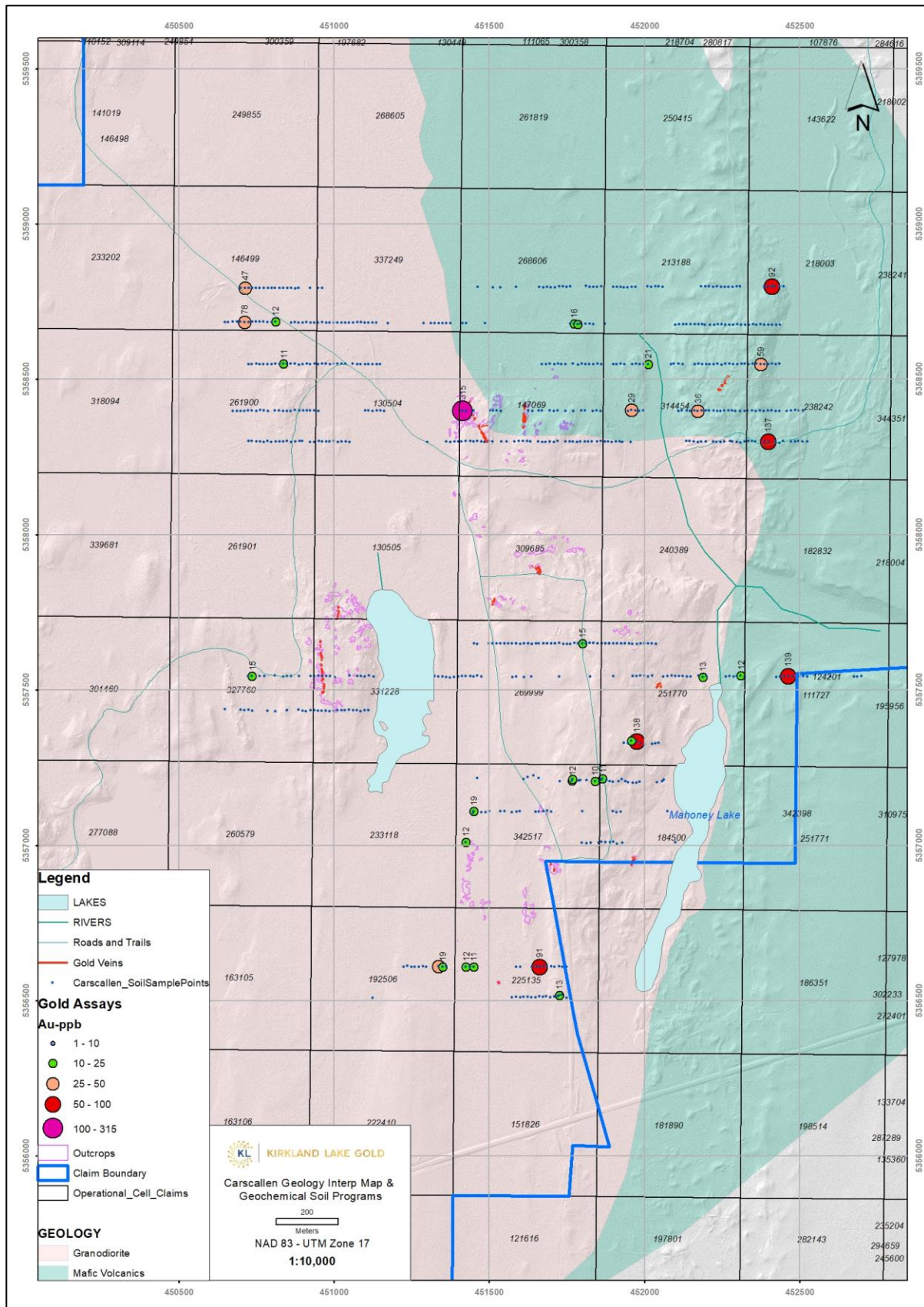


Figure 9. Soil "Gold" Geochemistry Samples on a Base of Geology.

Sample Collection and Analysis

The soil sampling methodology follows the same established procedures and protocols based on research studies and previous soil survey within the property.

The samples were collected from the “B-horizon” by means of (1) a shovel and plastic trowel, and or (2) with a stainless-steel auger, for areas with thick soil profiles. Samples were taken from variable depths between 15-40cm up to 3.0m based on previous sampling programs, auger drills and pitting. Samples containing silt-clay-sand rich soil, each weighing approximately 250g, were collected at station spacings of 12.5m with a nominal 100 m line separation. Ziploc snap seal or kraft bags were used for this program. In dug pits, samples were taken with a vinyl trowel after the sample pit was dug with a shovel. The shovel was kept clean after every use without paints or rust. The presence of organic / carbonaceous materials, rock fragments or other form of contamination on the sample were remove or minimize. In areas where thick overburden soil profiles were encountered, samples were collected with a stainless-steel auger and extensions.

Sample station locations were pre-assigned and are documented according to line number and station number plus grid coordinates (UTM, Zone 17) with Global Positioning System (GPS) readings at each station. A standard soil sampling form was used to describe to capture the salient information in each sample station.

Each sample was bagged using Ziploc or kraft bag on site (including sample tags) and shipped to Activation Laboratories (Actlabs) in Timmins, Ontario for sample preparation for gold and multi-element analysis.

Sampling Methodology

A B-horizon soil sample was to be collected where it is available. On the absence of well-developed B-horizon, a poorly developed B-horizon sample was collected, and the sample quality was noted as being poor. If the B-horizon is not encountered in the profile, no sample was collected. In addition, there were no samples collected in areas underlain by outcrop, waterbody or running water like swamp or river. Where possible the sample was slightly offset for collection.

Sample sites were initially dug by shovel to an average depth of 40 cm to observe the undisturbed soil profile. A 250 g sample of the B-horizon soil were consistently collected with a plastic trowel and placed into a pre-labelled 4” x 8” Kraft bag or Ziplock after the roots and pebbles were removed. As the program progressed, and confidence in recognizing the soil horizons increased, a stainless auger (with extension rods) was used to obtain the sample. The B-horizon is commonly encountered at depths varying between 15 – 40 cm below the ground-air interface.

The field crew involved in the geochemical sampling program used The Canadian System of Soil Classification - Third Edition (Agriculture and Agri-Food Canada, 2005) as reference for their collection and descriptions. Field workers were trained to identify to collect the best quality soil sample possible. The sampling crew completed a field orientation survey on the first day with KLG employees to procedures and data capture protocols, as well as additional sampling criteria or field observations specific to the collection of soil samples submitted for soil analysis. Pertinent information characterizing each sample site was recorded in the sample form and summarized into a spreadsheet at the end of the program. Samplers were instructed to discard any organic material observed in the sample and to remove any pebbles in size. Sampling crews were also prohibited from wearing any jewelry.

The sample station, after collecting the soil materials were covered, and visibly marked onsite for future follow-up work. Neon colored flag tapes and or tin sheets were attached or nailed to a tree / branch within 1-2m from the sample station point. A UTM point was taken at the point of sample selection and recorded along with the description.

Quality Assurance and Quality Control (QA/QC)

A total of a total of 1113 out of 1624 planned samples from Phase-1 Programs was collected during the survey. The samples collected consist of are a mixture of sand-silt-clay materials in varying proportions. Samples which contain exceeding levels of organic / carbonaceous materials, rock fragments or other form of contamination on the sample were immediately discarded. The soil samples submitted for analysis included additional QAQC samples including 43 standards and 31 field duplicates.

Internal analytical duplicates and standard reference materials (SRM's) were also utilized by Activation Laboratories to monitor analytical accuracy and precision. These results are also reported within the analyses. As a rule, the field duplicates samples must be collected from a separate sample site within at least 1-2 meters off from the original sample site in the same manner as the initial sample. All sample points, field descriptions and related data were downloaded, compiled, and tabulated in excel sheet at the end of the work program.

Field Duplicates

Field duplicates were collected to assess field site variance. Duplicate samples were collected from a separate sample site located within 1-2 meters from the original sample site and are routinely collected at approximately every 20th site. The field duplicates were blindly inserted into the sample stream submitted to the laboratory for analysis.

Certified Reference Standards

A certified reference standard for gold, Oreas 46 (Au = 3ppb, Cu ppm = 23.1, Zn=35.5 ppm) and Oreas 47 (Au = 44ppb, Cu ppm = 160, Zn=222 ppm), were routinely inserted into the sample stream approximately as every 20th sample for the B-horizon soils.

Blanks

Blanks were not inserted into the sample stream prior to shipment to the laboratories. Future sampling programs should consider the routine insertion of blanks as part of the overall QA/QC program.

Sample Shipment

Each Ziploc / Kraft Bag was placed into a small plastic sandwich bag to avoid cross-contamination due to ruptured sample bags. Excessively wet samples were likewise placed in a larger, durable freezer bag and zip locked to prevent spillage and subsequent contamination of surrounding samples. Finally, samples were sent by batches to the laboratory.

Geological Mapping and Sampling

During the summer of 2021, a geological /structural mapping and prospecting program, supplemented by collection for rock (grab) samples was undertaken in areas with outcrops and trenches on the main gold showings by Reinhold Bobby Paloma, P. Geo and a geological assistant. The objective of the exercise was to assist in identifying new gold zones and or potential extensions of existing gold mineralized zones.

Numerous gold prospect areas were identified for follow-up work at the Carscallen Property. The mapping program also allowed for additional information to be collected at several high-grade gold vein systems at Zamzam-Jowsey (**Figure 10**), Shenkman West, Mystery South, Aumo and Behemoth. A steep dipping structure / vein was also mapped at Behemoth, which has an oblique WNW-ESE orientation compared to other gold showings in the main zones, suggesting possible extension fractures. At Zamzam-Jowsey and in local portions of Shenkman zones, the veins display multiple stacked, anastomosing, pinch and swell-type, quartz-sulphide veins arrays enveloped by local stockwork breccia mineralization (**Figure 11**).



Figure 10: Outcrop section showing a 6m zone with multiple stacked quartz-sulphide veins enveloped by stockworked (breccia) mineralization at Zamzam gold zone.

Field mapping combined with the new information from the drilling program has resulted in an updated bedrock geology interpretation, specifically the boundary between the mafic volcanics and granodiorite intrusive. Previous interpretations of the contact between the Carlton pluton and the underlying mafic volcanics was based upon regional airborne geophysical interpretations. However, based upon a field visit to review historic drilling immediately northeast of the Zamzam/Jowsey zone coupled with the recent drilling and field observations, a new interpretation of this contact suggests that an outlier or nose fold of the granodiorite traverses east-west through the Zamzam/Jowsey zone with the contact then swinging westward north of these zones. Refer to **Figure 9**. As the contact zone is a favorable host for gold mineralization at the Carscallen Project, this new interpretation has implications for guiding future drilling.

A total of 66 out of 74 total rock samples collected from the rock (grab) sampling program have returned fantastic gold values over > 0.50 g/t Au with high-grade quartz-sulphide veins/ structures encountered at Zamzam south (55.1 g/t Au), Jowsey (18.1 g/t Au), 1010 north (56.1 g/t Au), Shenkman West (9.20 g/t Au), Mystery South (11.60 g/t Au), Aumo (6.09 g/t Au) and Behemoth Zone (4.97 g/t Au). Refer to Figure 12 for the sample locations. These new gold assays have confirmed the high-gold potential at the Carscallen property, including the possibility of extended gold mineralization along strike and at depth of the known gold mineralization corridors. The gold assays from 2021 Rock (Grab) Sampling Program are listed in **Appendix A Table 4**.

A series of cross-sectional maps were generated across Carscallen Property using the combined datasets from historical drill holes, IQ log structural data, geophysical 3D-IP block model, field mapping (structure – vein), and the rock-grab sampling programs. New information was obtained from the data compilation exercise which will provide clearer picture of the geology, structure, and styles and controls for gold mineralization on the property. The interpretation and modelling of the sub-surface geology and gold vein mineralization will be ongoing as we gather more information from future work programs.

Moreover, the results of the 2021 field work have set the agenda for exploring new prospects through drilling such as north of the Zamzam / Jowsey zones, the Behemoth prospect which occurs approximately 1.2 kilometers southwest of the Shenkman zone and the Mystery prospect which is situated approximately 400 meters southeast of the Shenkman.

Airborne Drone Survey

Airborne drone technology was employed in summer of 2021 as part of the field mapping campaign. The survey was flown over selected areas on good weather condition to assist in the on-going mapping campaign at Carscallen property.

Over 4,600 still photographs were produced from the 70m-90m high altitude, drone surveys to create a well-defined, orthophoto mosaic images of the gold-bearing zones at Carscallen Property (**Figures 11 & 13**). Several images showing the gold vein trends were captured at Zamzam-Jowsey, Shenkman, Wire gold and 1010 zones.

These images were integrated into Kirkland Lake Gold GIS-System to produce multiple information (layers) including outcrop and trench outlines, surface vein traces, access roads, rivers, topography, vegetation, among others.



Figure 11: Vein / Structural Mapping at Zamzam gold zone showing multiple stacked, anastomosing, pinch and swell-type, quartz-sulphide veins enveloped by local stockworked breccia mineralization.

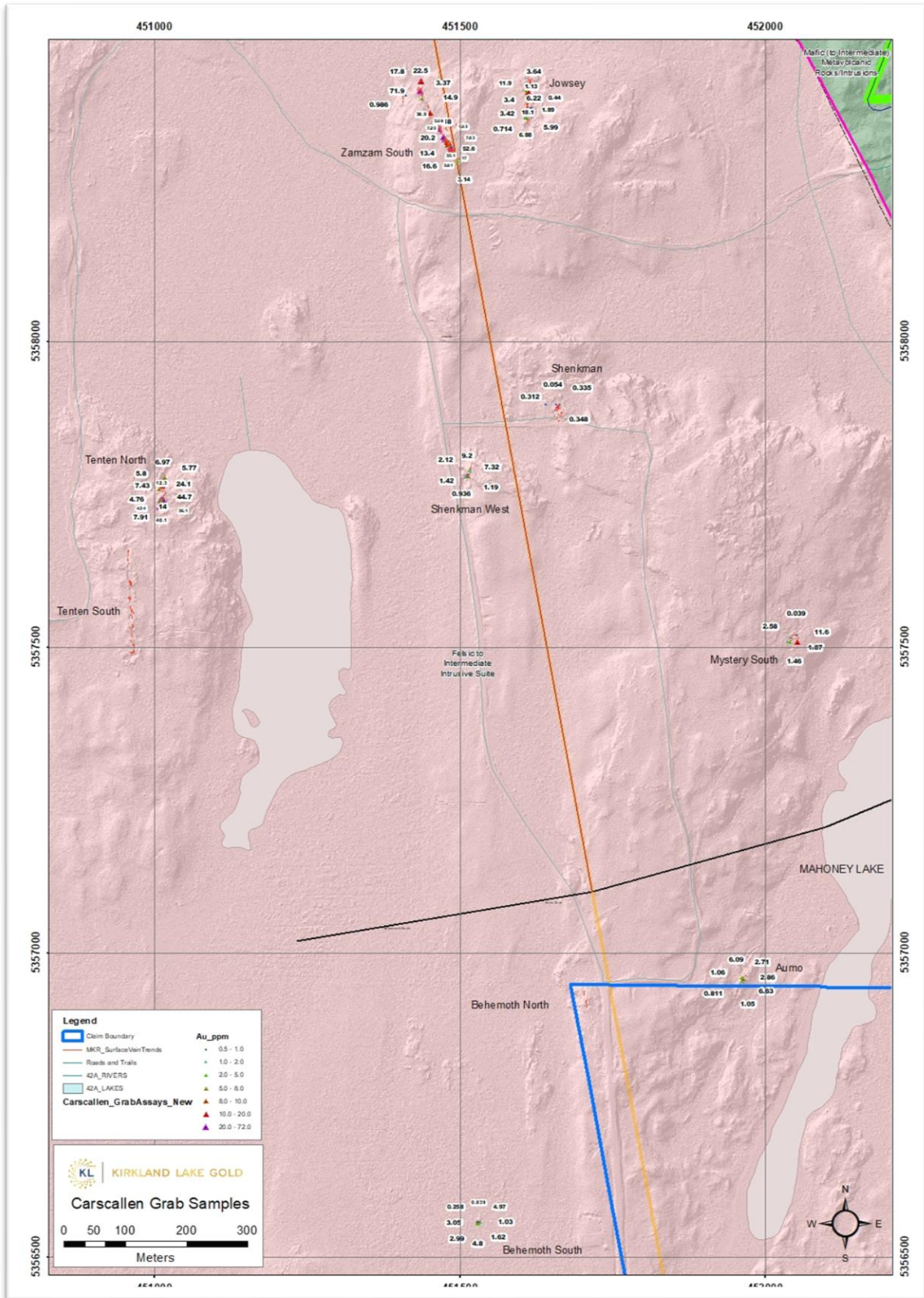


Figure 12: Rock (Grab) Gold Assays on Geology Map of Carscallen Project.

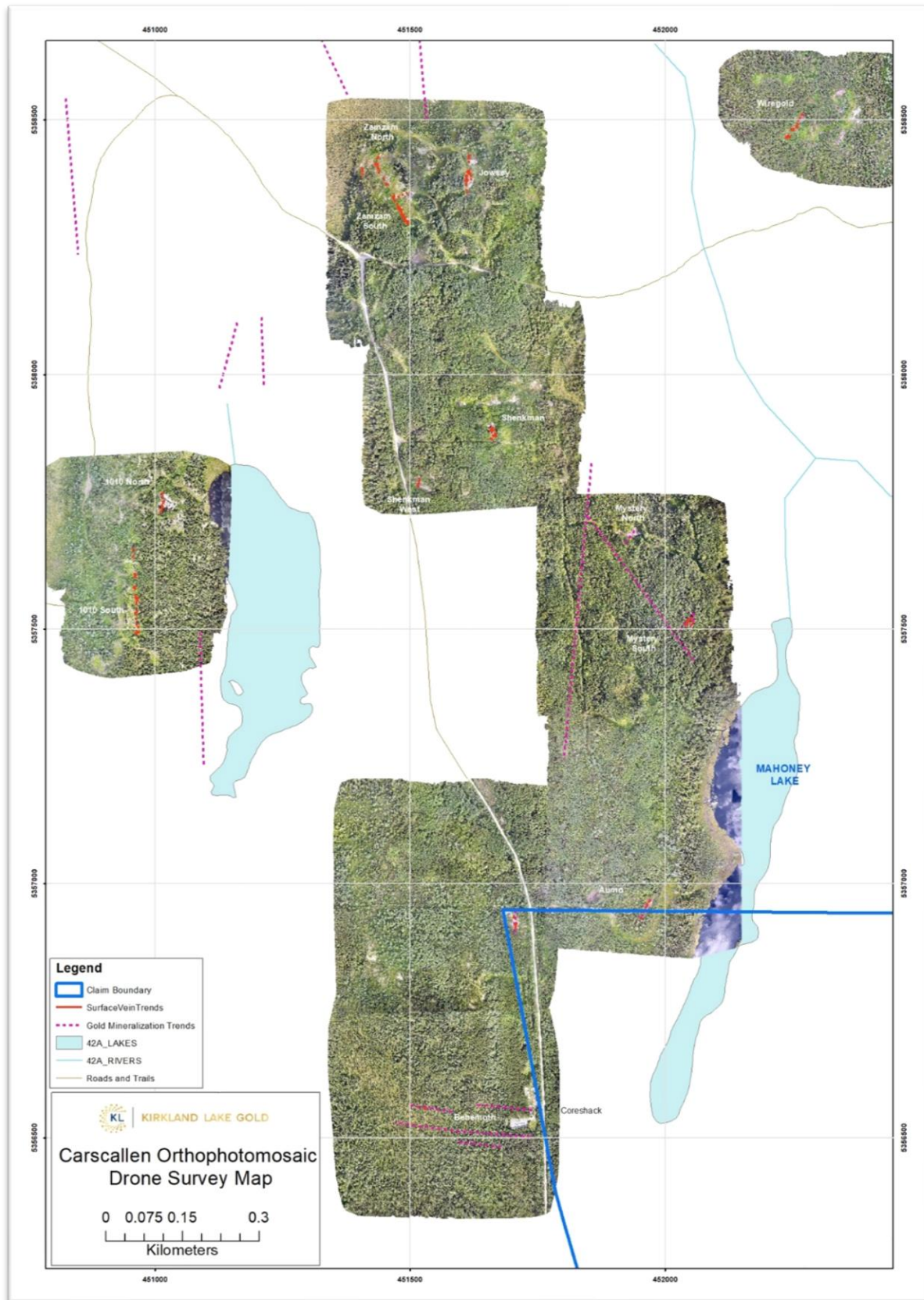


Figure 13: Ortho-Photomosaic Images from Drone Surveys at Carscallen Project.

Conclusion

The Carscallen property is dominated by a large granodioritic intrusive, the Carlton pluton, cutting a sequence of mafic and felsic volcanic rocks. The Destor Porcupine Fault Zone and splay structures cut the large intrusion on its south side. Past drilling has defined several mineralized structures that appear to strike northwest and dip moderately east, the most prominent of which are the 1010 South and the Zamzam/Jowsey and Shenkman structures. Locally high-grade gold mineralization is located along these structures, especially where they pass from the granodiorite host to the underlying mafic volcanics, rhyolitic and rhyodacite rocks.

Two drill campaigns the fall/winter 2020/2021 and the fall 2021 were largely successful in validating and deepening mineralized gold bearing structures as well as creating and expanding strike extents of previously established gold bearing systems. The fall/winter 2020/2021 drill campaign was designed to follow up and validate earlier drill hole intercepts in the Shenkman Zone previously drilled by Melkior Resources during their 2019/2020 drill campaigns. Results from the program were encouraging and served to expand upon strike continuity both east and west of the earlier drilling as well as expand on an earlier drill hole CAR-20-06 drilled 200 meters south of the Shenkman Zone.

In the late spring and summer months of 2021, Kirkland Lake Gold embarked upon a strategy of exploring the Carscallen property through mapping, grab sample prospecting and soil sampling as well as analyzing previous historic work with a larger view of expanding on the well established Shenkman and Zamzam/Jowsey Zones. Multiple prospective gold areas were identified for follow up work at the Carscallen Property. The objective of the exercise was to assist in identifying new gold mineralization and/or potential extensions of existing gold bearing mineralized zones.

The results of the field work set the agenda for exploring new prospects through drilling such as north of the Zamzam/Jowsey zones, the Behemoth prospect which occurs approximately 1.2 kilometers southwest of the Shenkman zone and the Mystery prospect which is situated approximately 400 meters southeast of the Shenkman Zone. These targets were combined with two deep drill holes drilled on the Shenkman and Zamzam /Jowsey zones to test for significant down dip continuity encountered in the historic drilling.

Results from the fall 2021 drill campaign were successful and effectively increased the northern strike extent of the Zamzam/Jowsey by an additional 350 meters with two drill holes CAR-21-18 and CAR-21-19. These two drill holes have effectively opened the exploration potential in the northern portion of the Carscallen property claim block.

Deep drilling on holes CAR-21-20 and CAR-21-21 in both the Shenkman and Zamzam/Jowsey confirmed continuity of gold mineralization at depth approximately 200 meters from historic drilling with increased gold tenor within the Shenkman Zone. Although grades were not as strong downdip in the Zamzam/Jowsey Zone, drilling did indicate downdip continuity from historic drill holes. The two drill holes CAR-21-18 and CAR-21-19 have effectively opened the strike extent of the Zamzam/Jowsey by an additional 350 meters to the north with the intersection of an auriferous north-south trending vein system intersected at comparable depths and with similar grades.

Recommendations

Considering recent results from the 2021 fall drill campaign, one of the stronger areas for further investigation would be the area north of drill hole CAR-21-19 to see if gold mineralization continues. As well, the 300m area between CAR-21-18 and CAR-21-19 should be investigated with sectional drilling to build upon additional zones that were encountered in CAR-21-18. Uppercut and undercut drilling would further be warranted for both drill holes.

Based upon the success of the two deep holes CAR-21-20 and CAR-21-21, further deep drilling would also be warranted on strike with these recent intercepts. The gap between the Shenkman and Zamzam/Jowsey has seen little exploration and as this gap spans approximately 300 meters, it is suggested that sectional drilling be proposed as both the Shenkman and Zamzam/Jowsey possess commonalities that suggest they may be portions of a larger deposit.

Additional areas warranting investigation include the Mystery Zone which was earmarked for drilling in the previous program and a significant IP chargeability anomaly north of the 1010 North Zone could also be investigated with drill testing. Should results be encouraging from additional assays pending on the Behemoth, this zone could also be tested with additional drilling on strike of drill hole CAR-21-22.

Additional work on the property should also include completion of the second phase of the soil sampling program which would expand outwards from phase 1. Work should also be undertaken to follow up on the soil anomalies by geological mapping and/or physical trenching in select areas. It is also suggested that geological mapping and sampling are conducted on the less well explored areas of the property to the south and north to look for additional exploration potential.

References

Agriculture and Agri-Food Canada 2005: The Canadian System of Soil Classification (Third Edition); R. H. Haynes (editor), NRC Research Press, National Research Council of Canada, Ottawa, 187 p.

Ayer, J.A., Trowell, N.F., Madon, Z., Kamo, S., Kwok, Y.Y. and Amelin, Y. 1999. Compilation of the Abitibi Greenstone Belt in the Timmins-Kirkland Lake Area: Revisions to Stratigraphy and New Geochronological Results. Ontario Geological Survey Open File Report 6000, p.4.1-4.14.

Goodwin, A.M. and Ridler, R.H. 1970. The Abitibi orogenic belt. In Symposium on basins and geosynclines of the Canadian Shield, edited by A.M. Baer. Geological Survey of Canada Paper

Hamilton, S. M. 2007: Major advances in soil geochemical exploration methods for areas of thick glacial drift cover; in Exploration in the New Millennium, Proceedings of the Fifth Decennial International Conference on Mineral Exploration, ed. Bernd Milkereit, p. 263-280.

Hall, L.A.F. and Smith, M.D. 2002. Precambrian Geology of Denton and Carscallen Townships, Timmins West Area. Ontario Geological Survey Open File Report 6093, 75 p.

Hebert, Eric and Setterfield, Tom Geovector Management Inc., April 2014. Report on 2011 to 2013 Exploration by Melkior Resources Inc. on the Carscallen Property, Carscallen and Denton Townships, NTS Map Sheet 42A/05 Northeastern Ontario

Jackson, S.L. and Fyon, J.A. 1992. The Western Abitibi Sub province in Ontario. In Geology of Ontario. Ontario Geological Survey Special Volume 4, pp.405-482.

Melkior Resources 2009: A Discovery Company; Exploring in Ontario and Quebec, company website <http://melkior.com/>, accessed December 20, 2009.

Date and Signature Page

This report, entitled "Summary Report On 2020-2021 Exploration Drilling, Geochemical Sampling and Mapping Program on Carscallen" Melkior-Kirkland Lake Gold" JV Project was prepared, reviewed and signed by the following authors:

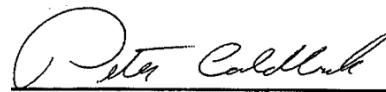
Dated at Timmins, Ontario

May 18, 2022



Reinhold Bobby Paloma, P.Geol.

Senior Exploration Geologist



Peter Caldbick, P.Geol.

Senior Geologist - Consultant



Kara Byrnes, P.Geol.

Regional Exploration Superintendent

Certificate of Qualification

I Reinhold Bobby Paloma, as co-author of the report entitled This report, entitled "Summary Report On 2020-2021 Exploration Drilling, Geochemical Sampling and Mapping Program on Carscallen "Melkior-Kirkland Lake Gold" JV Project do hereby certify that:

- This assessment report is being submitted on behalf of Kirkland Lake Gold.
- I hold the following academic qualifications BSc (Geology), Mapua University, 1998. In addition, I have obtained an Environmental Resource Management Certificate from University of Alberta in 2017.
- I have worked as a geologist in the global minerals / mining industry for 20+ years.
- I am a practising member, in good standing, of the Association of Professional Geoscientists of Ontario (APGO) and Association of Professional Engineers and Geoscientist of Alberta (APEGA).
- I have been a salaried employee of Kirkland Lake Gold since June 2020.
- I have no interests, either directly or indirectly, nor do I expect to receive any in the future with respect to the Carscallen Property.

Dated this 25 day of January 2022

Signed,



Reinhold Bobby Paloma, P. Geo.

Certificate of Qualification

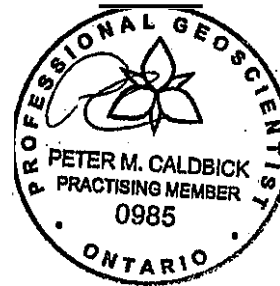
I, Peter Caldbick, B.Sc., P. Geo, as co-author of the report entitled This report, entitled "Summary Report On 2020-2021 Exploration Drilling, Geochemical Sampling and Mapping Program on Carscallen "Melkior-Kirkland Lake Gold" JV Project do hereby certify that:

- I am a consulting geologist currently consulting for Kirkland Lake Gold.
- I graduated with a Bachelor of Science in Geology from the University of Toronto in 1983. In addition, I have obtained an Environmental Assessment Certificate from Lakehead University in 1994.
- I am a member in good standing of the Association of Professional Geoscientists of Ontario, Membership # 0985 and a member of the Prospectors and Developers Association of Canada.
- I have been employed continuously as a geologist for the past 39 years since my graduation from university.

Dated this 18th day of May 2022



Peter Caldbick




Peter Caldbick, P. Geo.

Certificate of Qualification

I, Kara Byrnes, P.Ge, as co-author of the report entitled This report, entitled "Summary Report On 2020-2021 Exploration Drilling, Geochemical Sampling and Mapping Program on Carscallen "Melkior-Kirkland Lake Gold" JV Project do hereby certify that:

- This assessment report is being submitted on behalf of Kirkland Lake Gold.
- I hold the following academic qualifications H.BSc (Geology), University of Ottawa, 2007.
- I have worked as a geologist in the global minerals / mining industry for 15 years.
- I am a practicing member, in good standing, of the Professional Geoscientists of Ontario (PGO), Membership # 2027.
- I have been a salaried employee of Kirkland Lake Gold since Jan, 2021.
- I have no interests, either directly or indirectly, nor do I expect to receive any in the future with respect to the Carscallen Property.

Dated this 18 day of May 2022


Kara Byrnes, P. Geo





KIRKLAND LAKE GOLD

Appendix A

List of Tables

Table 1 - Carscallen Mining Claims Summary

Table 2- Carscalen Drill Collar Summary

Table 3 - Gold Assay Drill Intercepts in 2020-2021 Drilling

Table 4 - Gold Assays from 2021 Rock (Grab) Sampling

TENURE ID	ANNIVERSARY DATE	TOTAL RESERVE	WORK REQUIRED	RIGHTS	CLAIM TYPE (Single Cell or Boundary)	OWNER	PROJECT	OPERATOR
104179	2024-01-25	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
104306	2025-11-28	39600	0	MR	SCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
104425	2024-04-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
104432	2024-03-18	2169	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
104433	2023-10-12	907	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
105527	2024-06-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
106103	2023-04-01	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
106858	2023-12-27	101	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
107296	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
107297	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
107504	2023-04-15	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
107876	2023-09-08	75340	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
108150	2023-04-09	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
109794	2023-03-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
109806	2023-03-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
110155	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
111065	2023-09-08	75340	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
111080	2024-11-10	98	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
111470	2024-07-14	400	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
111727	2023-09-08	175504	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
114152	2023-04-01	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
114153	2023-04-01	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
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121965	2025-11-28	50000	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
122152	2024-07-14	400	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
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158406	2024-07-14	474	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
158423	2023-04-15	400	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
160309	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
160447	2025-11-28	46800	0	MR	SCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
160560	2024-03-18	131	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

160774	2023-04-01	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
161927	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
161928	2024-07-14	74	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163096	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163097	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163098	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163105	2023-10-26	1637	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163106	2023-10-12	907	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163107	2024-03-18	907	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163138	2023-03-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
163139	2023-12-27	98	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
164577	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
165030	2023-04-15	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
165049	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
165881	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
165882	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
165883	2022-12-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
166105	2023-04-01	400	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
166551	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
175597	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
176482	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
176489	2023-10-12	907	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
177385	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
177386	2024-12-19	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
178119	2024-06-11	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
178121	2023-02-07	200	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
178468	2023-04-15	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
178484	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
178485	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
179301	2023-12-27	350	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
179618	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
179921	2025-11-28	1316	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
181890	2023-10-09	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
182831	2023-09-08	2963	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
182832	2023-11-10	175504	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
183954	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
183985	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
183986	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
183987	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
184500	2023-09-08	175504	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
187564	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

189576	2023-04-09	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
189577	2023-04-09	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
190238	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
190376	2023-12-27	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
190391	2023-03-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
190907	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
192506	2023-10-26	13311	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
192507	2023-10-12	907	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
193632	2024-03-18	131	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
193769	2024-07-14	306	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
195388	2023-04-01	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
195393	2024-12-19	6	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
195956	2023-06-02	4711	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
199775	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
199776	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
202874	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
203561	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
207070	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
209877	2023-03-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
213188	2023-09-08	75340	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
213219	2024-07-14	74	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
213220	2024-07-14	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
213927	2023-04-01	400	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
215248	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
215292	2023-12-27	500	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
215384	2024-11-25	196	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
218002	2023-09-08	2963	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
218003	2023-09-08	75340	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
218004	2023-06-02	4711	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
218134	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
218704	2023-09-08	75340	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
222410	2023-10-12	907	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
222437	2024-06-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
223788	2023-06-12	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
223820	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
225135	2023-07-27	79265	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
225177	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
225178	2024-07-14	74	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
225508	2023-04-01	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
227429	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
227430	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

228757	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
230361	2024-04-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
230362	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
230401	2023-12-27	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
230402	2023-03-10	300	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
231741	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
231758	2023-04-15	297	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
231788	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
232120	2023-04-01	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
232121	2023-04-01	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
232122	2023-04-01	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233118	2023-10-26	62740	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233157	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233158	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233202	2024-06-11	19550	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233203	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
233798	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
233799	2025-11-28	0	0	MR	SCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
233955	2023-04-01	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
238195	2023-04-09	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
238241	2023-09-08	2963	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
238242	2023-11-10	96312	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
239360	2024-06-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
239611	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
240389	2023-11-10	613661	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
242372	2024-07-14	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
242373	2024-07-14	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
242566	2024-03-18	907	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
242594	2024-06-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
242604	2023-12-27	350	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
243154	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
243634	2024-11-25	327	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
243969	2023-04-15	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
243991	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
243992	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
244285	2023-02-07	238	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
245854	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
247092	2023-12-27	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
247107	2023-03-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
247592	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
249854	2023-09-24	19550	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

249855	2023-09-24	19550	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
250415	2023-09-08	75340	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
251770	2023-09-08	128488	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
251771	2023-09-08	175504	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
251922	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
252225	2024-06-11	400	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
252318	2023-02-07	200	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
252641	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
253466	2024-07-14	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
254401	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
255470	2023-04-09	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
259091	2023-12-27	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
260579	2024-06-11	64000	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
260580	2024-07-14	282	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261105	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261114	2023-04-15	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261643	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261819	2023-09-08	75340	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261900	2023-09-24	19550	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
261901	2023-09-24	63270	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
263182	2023-06-02	4711	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
266374	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
268471	2023-04-15	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
268493	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
268605	2023-09-24	19550	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
268606	2023-09-08	75345	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
269999	2023-09-08	175504	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
277088	2024-06-11	1007	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
277619	2024-04-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
278424	2024-06-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
279778	2023-06-12	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
279791	2023-04-15	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
279804	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
279805	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
279989	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281134	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281350	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281372	2023-12-27	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281520	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281521	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281529	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

281530	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281531	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281532	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
281775	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
281776	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
281777	2025-11-28	0	0	MR	SCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
281778	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
281981	2023-04-01	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
283991	2023-02-07	200	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
284615	2023-04-09	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
284616	2023-09-08	2963	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
285418	2023-09-08	2963	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
286729	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
287460	2023-04-15	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
289222	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
289297	2024-06-11	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
289427	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
289954	2023-12-27	1198	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
290891	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
290892	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
290893	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
293855	2024-06-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
294074	2024-01-25	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
294741	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298412	2023-06-12	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298413	2023-06-12	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298425	2023-04-15	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298446	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298670	2022-12-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
298671	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
299840	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
299841	2024-07-14	74	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
300431	2024-03-18	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
301460	2024-06-11	1288	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
304171	2023-02-07	200	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
305577	2023-09-08	2963	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
306302	2023-03-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
308356	2024-07-14	74	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
309114	2023-09-24	18150	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
309685	2023-09-08	419017	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
313481	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

313482	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
314454	2023-11-10	203114	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
314884	2023-04-15	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
316513	2023-04-01	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
316515	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
317368	2022-12-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
318094	2024-06-11	19550	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
318781	2023-12-27	400	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
325653	2024-03-18	907	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
325673	2024-06-10	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
325674	2024-06-10	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
325683	2023-12-27	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
327059	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
327760	2024-06-11	82950	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
329051	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
329052	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
329053	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
329054	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
329055	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
329299	2024-12-19	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
331228	2023-09-14	77067	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
335979	2024-06-11	98	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
337249	2023-09-24	7528	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
339445	2023-04-15	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
339681	2024-06-11	20941	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
339730	2023-02-07	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
340810	2024-01-25	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
340925	2023-04-01	0	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
340926	2023-04-01	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
341435	2025-11-28	0	0	MR	BCMC	(50) JOHN DER WEDUWEN, (50) LARRY NOEL GERVAIS	Melkior	Kirkland Lake Gold
341741	2024-02-28	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
341752	2024-02-28	0	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
342517	2023-09-08	175505	200	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
343045	2023-02-07	399	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
344350	2023-09-08	2963	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
344351	2023-09-08	2967	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
344352	2023-06-02	4711	200	MR	BCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564345	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564346	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564347	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564348	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

564349	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564350	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564351	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564352	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564353	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564354	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564355	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564356	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564357	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564358	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
564359	2023-11-19	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
586272	2024-04-30	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold
586273	2023-04-30	0	400	MR	SCMC	(100) MELKIOR RESOURCES INC./RESSOURCES MELKIOR INC.	Melkior	Kirkland Lake Gold

Table 1: Carscallen Mining Claims Summary.

DDH Name	North UTM_Final	East UTM_Final	Elev_Final	Dip	Azimuth	Depth
CAR-20-07	5358162.47	452136.56	325.00	-67	240	177
CAR-20-08	5357800.58	451918.60	348.77	-60.1	240	750
CAR-20-09	5357874.20	452026.12	328.09	-58.3	240.3	93
CAR-20-09A	5357874.57	452026.72	327.98	-62	240	18
CAR-20-09B	5357874.57	452026.72	327.98	-62.9	237.4	804
CAR-20-10	5358161.08	452019.78	327.22	-65	240	705
CAR-20-11	5358016	451878	338	-67	240	581
CAR-21-12	5358019	451977	338	-75	240	654
CAR-21-13	5357888	452070	334	-65	240	843
CAR-21-14	5358019	451976	338	-70	278	669
CAR-21-15	5358019	451976	338	-70	248	627
CAR-21-16	5358019	451978	330	-78	250	651
CAR-21-17	5358492	451768	333	-60	240	702
CAR-21-18	5358714	451632	340	-50	240	414
CAR-21-19	5359006	451595	346	-50	240	423
CAR-21-20	5358292	452268	330	-55	240	882
CAR-21-21	5358642	452055	330	-55	240	960
CAR-21-22	5356610	451688	337	-55	190	303

Table 2: Carscallen Drill Collar Summary.

Hole ID		From (m)	To (m)	Interval (m)	Au (gpt)
CAR-20-07					n/a
CAR-20-08		400.5	401.0	0.5	7.39
CAR-20-09					n/a
CAR-20-09A		9.8	12.3	0.5	1.90
CAR-20-09B		534.5	537.5	3.0	8.93
	incl.	537.0	537.5	0.5	38.80
		553.0	556.0	3.0	1.92
	incl.	555.5	556.0	0.5	5.66
		657.0	659.0	2.0	1.96
		734.5	735.0	0.5	1.26
		741.5	742.0	0.5	3.28
	767.0	769.4	2.4	1.89	
CAR-20-10		408.5	412.6	4.1	6.85
	incl.	412.1	412.6	0.5	40.10
CAR-20-11		293.7	298.8	5.1	2.25
	incl.	293.7	294.2	0.5	12.30
		407.5	408.5	1.0	3.83
CAR-21-12		464.5	465.0	0.5	7.46
		480.9	483.0	2.1	14.76
	incl.	480.9	481.4	0.5	60.50
CAR-21-13		243.6	244.1	0.5	2.08
CAR-21-14		376.0	378.0	2.0	6.18
		405.0	407.0	2.0	7.79
	incl.	405.0	405.5	0.5	31.00
CAR-21-15		328	329.3	1.3	2.80
		459.0	460.0	1.0	4.89
		512.0	513	1.0	4.51
CAR-21-16		614.0	614.5	0.5	4.64
CAR-21-17		338.5	339	0.5	0.95
		388.5	389	0.5	6.38
		424	425	1.0	2.01
	Incl	424.5	425	0.5	3.13
		488	489	1.0	1.3
	Incl	488.5	489	0.5	2.22
		495	496	1.0	3.66
	Incl	495.5	496	0.5	7.13
		499	499.5	0.5	1.13
		509.5	510	0.5	3.31
		646.5	647	0.5	3.72
	658.5	659	0.5	5.17	
CAR-21-18		125.5	126	0.5	8.7

		207.9	208.5	0.6	2.17
		327.5	328	0.5	1.41
		376	376.5	0.5	6.39
		384.5	386	1.5	6.88
	Incl	385.5	386	0.5	19.6
CAR-21-19		73	74	1.0	1.56
		400	401.5	1.5	5.84
	Incl	401	401.5	0.5	16.1
CAR-21-20		629.5	632	2.5	2.95
	Incl	630	630.5	0.5	7.16
	Incl	631	631.5	0.5	5.04
		637.5	638	0.5	1.16
		642	645	3.0	10.82
	Incl	643.5	644	0.5	51.9
		655.5	656	0.5	2.03
		659.5	660	0.5	1.36
		747.5	748	0.5	1.85
CAR-21-21		590.5	591.6	1.1	3.16
	Incl	590.5	591	0.5	5.8
		761	761.8	0.8	1.19
		852	852.5	0.5	2.52
CAR-21-22		69.5	71	1.5	1.37
	Incl	70.5	71	0.5	2.45
		88	88.5	0.5	1.45

Table 3: Gold assay (>1.gpt Au) drill intercepts in 2020-2021 drilling.

STN	Location	Prospect	North	East	Au gpt
B301051	MKR	Shenkman	5357899	451663	0.335
B301052	MKR	Zamzam South	5358297	451496	3.14
B301053	MKR	Zamzam South	5358310	451488	7.83
B301054	MKR	Zamzam South	5358313	451484	16.6
B301055	MKR	Zamzam South	5358318	451486	20.2
B301056	MKR	Zamzam South	5358322	451482	5.61
B301057	MKR	Zamzam South	5358323	451481	13.4
B301058	MKR	Zamzam South	5358325	451482	17
B301059	MKR	Zamzam South	5358326	451482	7.25
B301060	MKR	Zamzam South	5358327	451480	18
B301061	MKR	Zamzam South	5358328	451477	1.03
B301062	MKR	Zamzam South	5358331	451477	5.09
B301064	MKR	Zamzam South	5358335	451474	55.1
B301065	MKR	Zamzam South	5358348	451466	36.9
B301066	MKR	Zamzam North	5358375	451452	14.9
B301067	MKR	Zamzam North	5358399	451439	3.37
B301068	MKR	Zamzam North	5358410	451436	22.5
B301069	MKR	Zamzam North	5358426	451437	17.8
B301071	MKR	Zamzam North	5358404	451412	0.986
B301072	MKR	Jowsey	5358408	451613	11.9
B301073	MKR	Jowsey	5358409	451611	18.1
B301074	MKR	Jowsey	5358411	451609	3.64
B301075	MKR	Jowsey	5358365	451607	1.89
B301076	MKR	Jowsey	5358367	451609	6.22
B301077	MKR	Jowsey	5358367	451609	5.99
B301078	MKR	Jowsey	5358371	451609	3.4
B301079	MKR	Jowsey	5358373	451608	6.88
B301081	MKR	Jowsey	5358373	451619	3.42
B301082	MKR	Aumo	5358384	451617	0.44
B301083	MKR	Aumo	5358384	451617	1.13
B301084	MKR	Aumo	5356960	451962	2.71
B301085	MKR	Aumo	5356960	451963	2.86
B301086	MKR	Aumo	5356958	451965	6.09
B301087	MKR	Aumo	5356954	451962	6.63
B301088	MKR	Aumo	5356953	451962	1.06
B301089	MKR	Aumo	5356949	451960	1.05
B301091	MKR	Aumo	5356939	451957	-
B301093	MKR	1010 North	5357778	451018	5.77
B301094	MKR	1010 North	5357769	451014	6.97
B301095	MKR	1010 North	5357765	451014	14
B301096	MKR	1010 North	5357760	451008	5.8
B301097	MKR	1010 North	5357742	451015	24.1
B301098	MKR	1010 North	5357742	451013	4.54

B301101	MKR	1010 North	5357742	451013	40.1
B301102	MKR	1010 North	5357739	451011	7.91
B301103	MKR	1010 North	5357740	451012	7.43
B301104	MKR	1010 North	5357738	451012	56.1
B301105	MKR	1010 North	5357736	451012	12.3
B301106	MKR	1010 North	5357731	451010	44.7
B301107	MKR	Shenkman	5357899	451641	0.054
B301108	MKR	Shenkman	5357895	451659	0.312
B301109	MKR	Shenkman West	5357780	451513	7.32
B301111	MKR	Shenkman West	5357783	451514	0.936
B301112	MKR	Shenkman West	5357778	451511	1.19
B301113	MKR	Shenkman West	5357791	451516	2.12
B301114	MKR	Shenkman West	5357788	451518	1.42
B301115	MKR	Shenkman	5357898	451658	0.348
B301116	MKR	Behemoth North	5356916	451706	0.67
B301117	MKR	Behemoth North	5356916	451706	0.439
B301118	MKR	Behemoth North	5356922	451708	0.972
B301119	MKR	Behemoth North	5356934	451703	0.178
B301120	MKR	Behemoth South	5356558	451533	4.97
B301121	MKR	Behemoth South	5356558	451533	1.03
B301122	MKR	Behemoth South	5356558	451531	0.839
B301123	MKR	Behemoth South	5356559	451529	1.62
B301124	MKR	Behemoth South	5356557	451530	3.05
B301125	MKR	Behemoth South	5356557	451530	4.8
B301126	MKR	Behemoth South	5356556	451529	2.99
B301127	MKR	Behemoth South	5356558	451528	0.258
B301129	MKR	Mystery South	5357510	452053	11.6
B301130	MKR	Mystery South	5357522	452052	0.039
B301131	MKR	Mystery South	5357516	452043	1.87
B301132	MKR	Mystery South	5357510	452042	2.58
B301133	MKR	Mystery South	5357509	452037	1.46

Table 4: Gold assays from 2021 Rock / Grab Sampling Program.



KIRKLAND LAKE GOLD

Appendix B

Drill Hole Sections

Drill Section 1- CAR-21-19

Drill Section 2- CAR-21-18

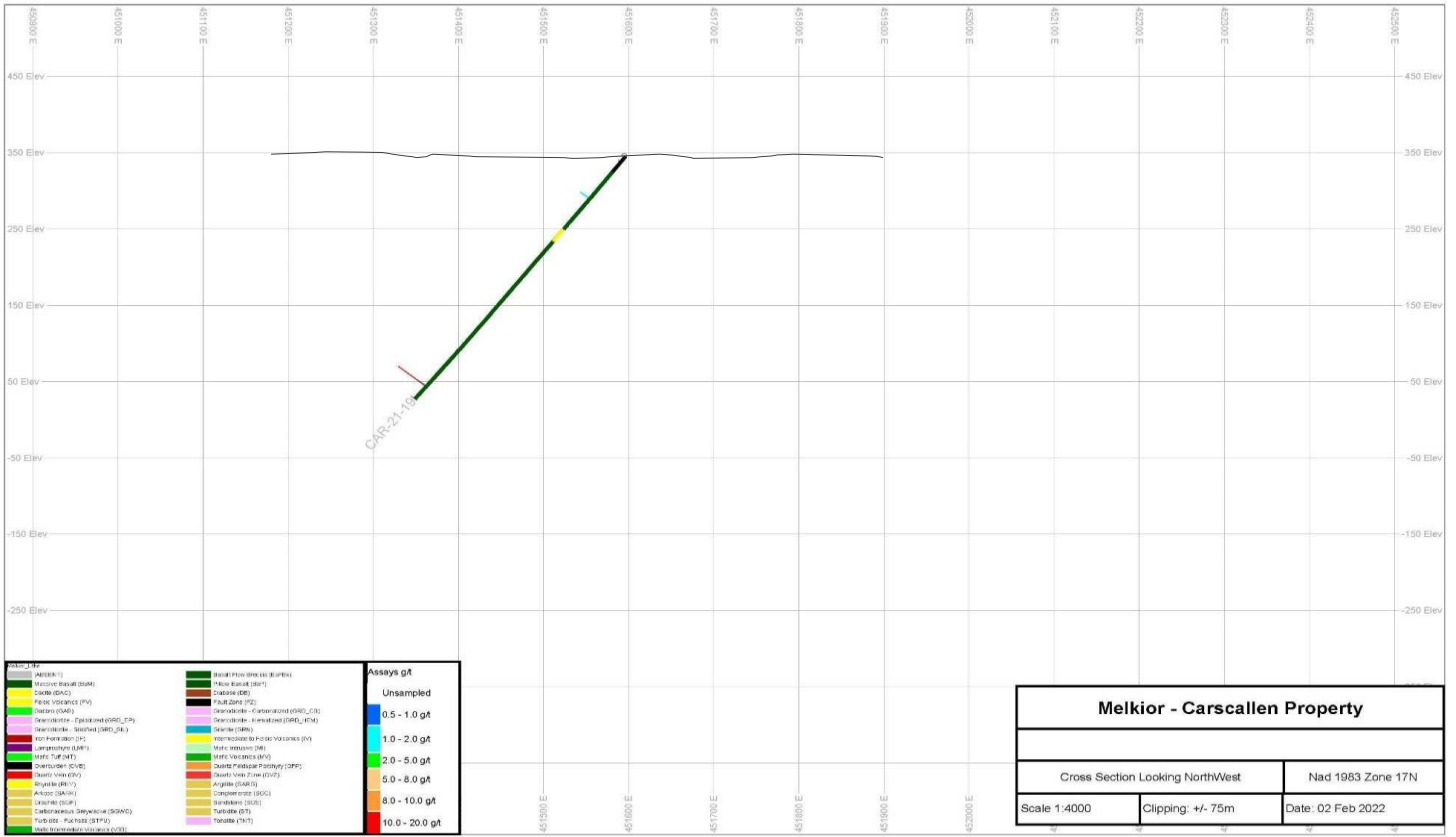
Drill Section 3- CAR-21-17 and CAR-21-21

Drill Section 4- CAR-20-10, CAR21-14, and CAR-21-20

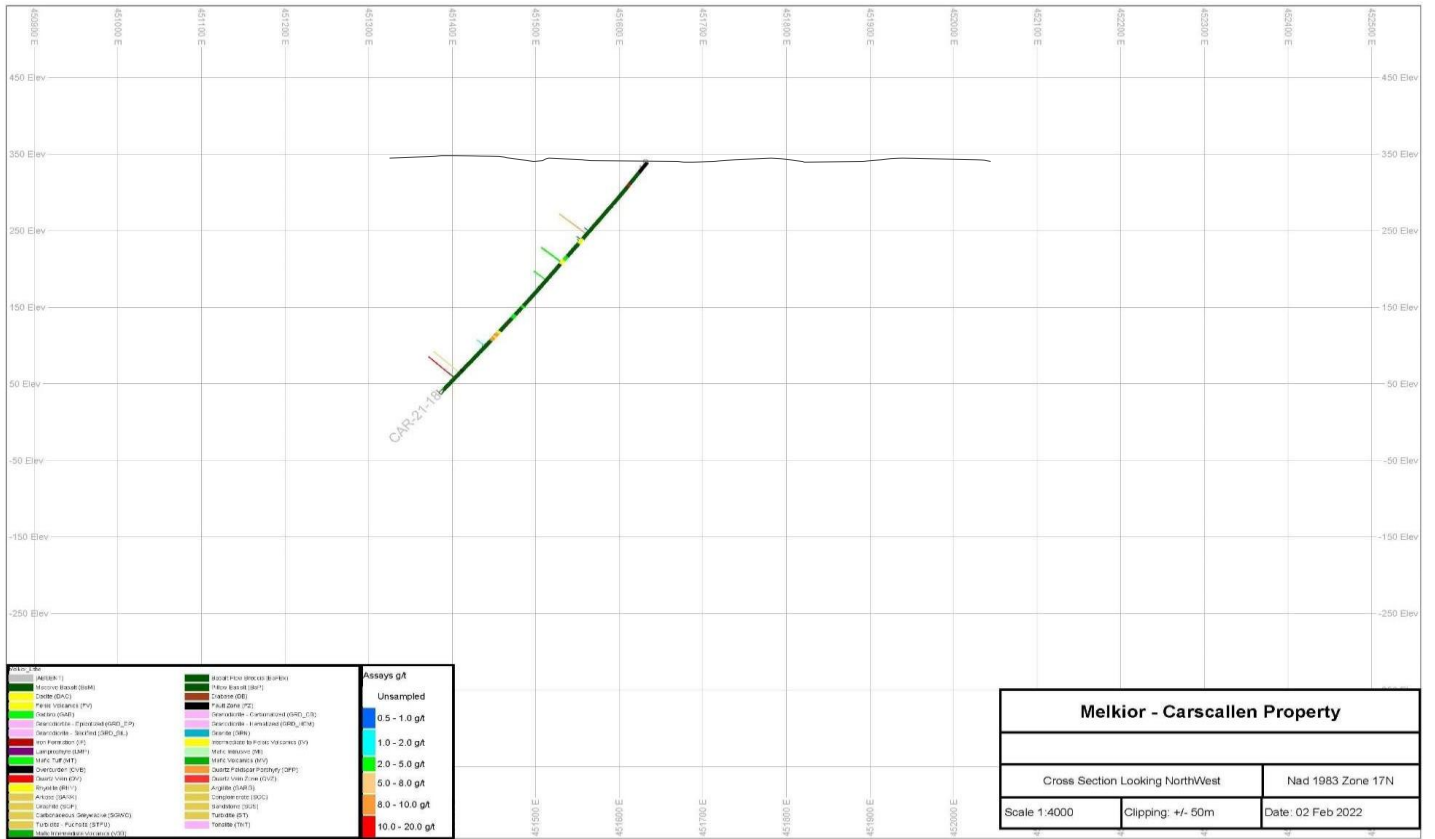
Drill Section 5- CAR-20-08, CAR-20-09,09A,09B and
CAR-21-13

Drill Section 6 - CAR-20-07, CAR-20-11, CAR-21-12, 14, 15
and 16

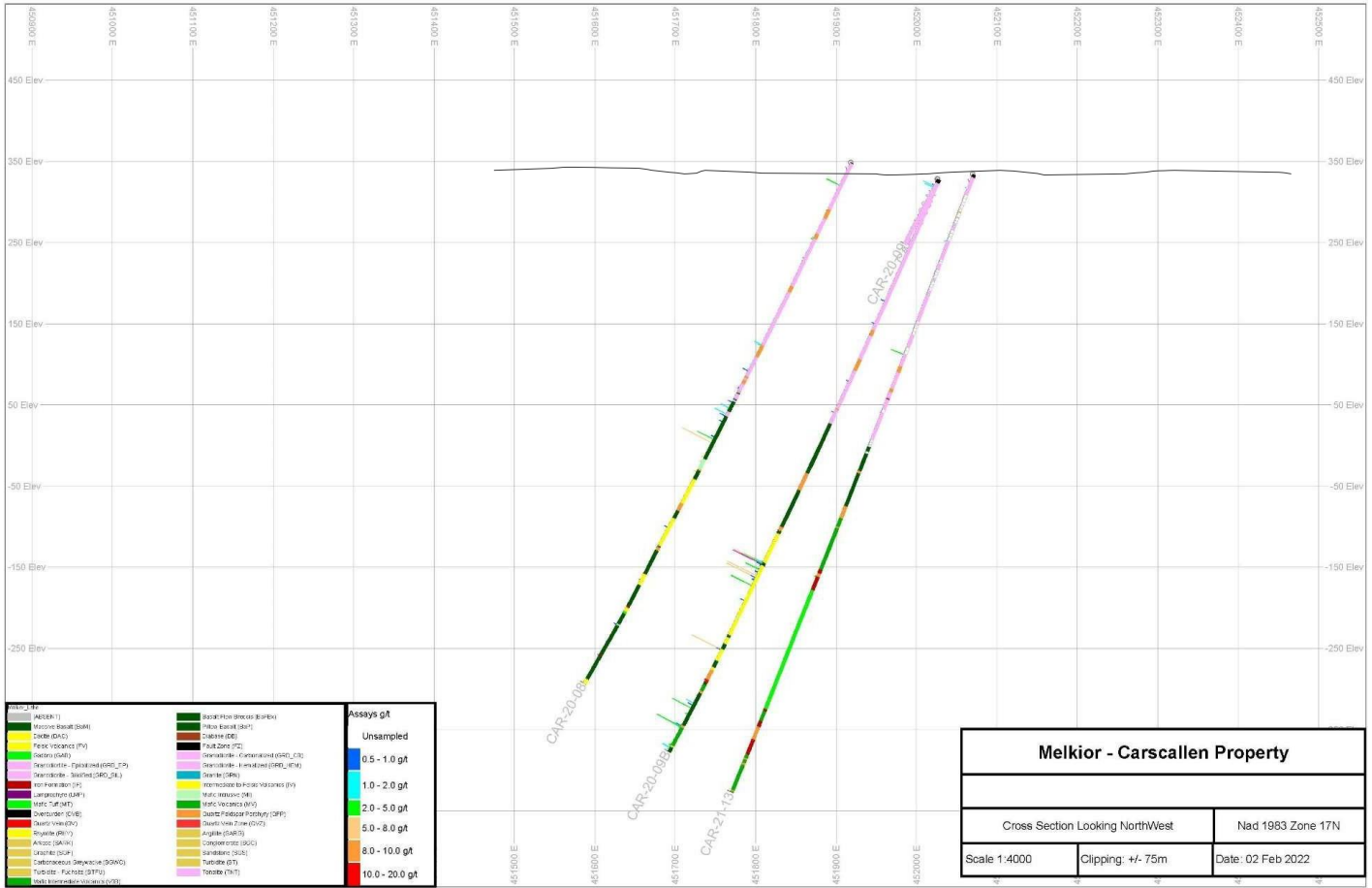
Drill Section 1- CAR-21-19



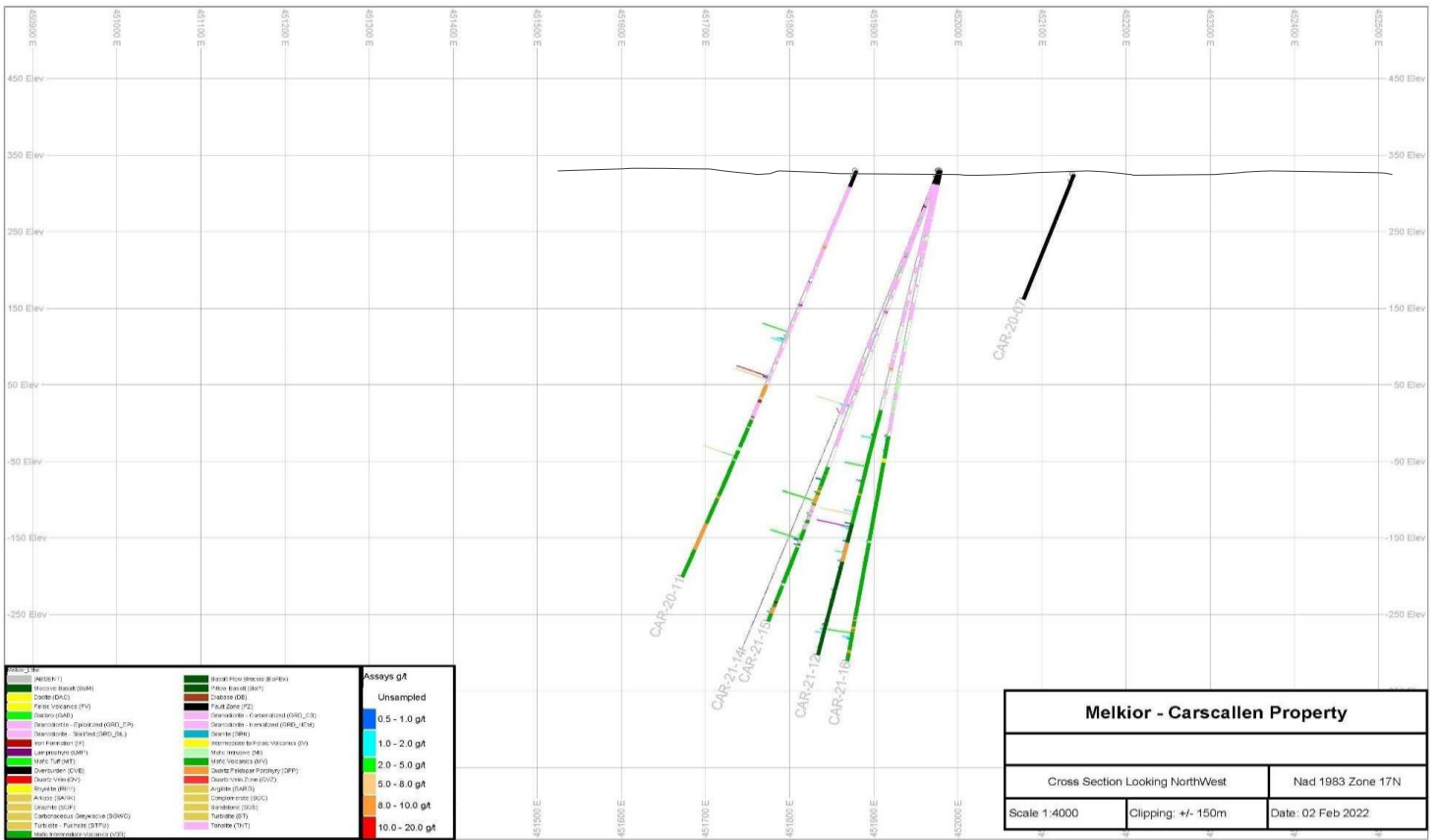
Drill Section 2- CAR-21-18



Drill Section 5- CAR-20-08, CAR-20-09,09A,09B and CAR-21-13



Drill Section 6- CAR-20-07, CAR-20-11, CAR-21-12,14,15 and 16





KIRKLAND LAKE GOLD

Appendix C

Drill Hole Logs

Drill Log - CAR-20-07

Drill Log - CAR-20-08

Drill Log - CAR-20 (09, 09A, 09B)

Drill Log - CAR-20-10

Drill Log - CAR-20-11

Drill Log - CAR-21-12

Drill Log - CAR-21-13

Drill Log - CAR-21-14

Drill Log - CAR-21-15

Drill Log - CAR-21-16

Drill Log - CAR-21-17

Drill Log - CAR-21-18

Drill Log - CAR-21-19

Drill Log - CAR-21-20

Drill Log - CAR-21-21

Drill Log - CAR-21-22

DETAILED LOGHole Number: **CAR-20-07**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -67.00
Project Number: MELKIOR	North: 5358162.47	North: 35084.16	Collar Az: 240.00
Location: Carscallen Township	East: 452136.56	East: -129342.30	Length: 177.00
	Elev: 325.00	Elev: 5025.00	Start Depth: 0.00
Date Started: Oct 16, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Oct 24, 2020	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages**Survey Data**

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-67.00	EZ Sho	OK		100.00	240.00	-67.00	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	27.00	OVB, MELKIOR - Overburden Overburden	708680	10.00	11.00	1.00	
			708681	11.00	12.00	1.00	
			708682	12.00	13.00	1.00	
			708683	13.00	14.00	1.00	
27.00	177.00	FZ, Fault Zone Extremely faulted ground, blocky, from 27.0 to 30.0 consolidated and competent, pitted and vuggy from 30.0 to 62.5 grounded, crumbled core, extremely poor recovery, potassic, glomeroporphyritic granodiorite, tr sul MINOR INTERVALS: Minor Interval: 170.00 - 177.00 GRD_EP, Granodiorite - Epidotized (Melkior) EOH, extremely faulted rubble and blocky					

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
708680	10.00	11.00	
708681	11.00	12.00	
708682	12.00	13.00	
708683	13.00	14.00	

DETAILED LOG

Hole Number: **CAR-20-08**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5357800.58	North: 34799.41	Collar Az: 240.00
Location: Carscallen Township	East: 451918.60	East: -129654.56	Length: 750.00
	Elev: 348.77	Elev: 5048.77	Start Depth: 0.00
Date Started: Oct 24, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Nov 07, 2020	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-60.00	EZ Sho	OK		15.00	240.00	-60.10	EZ Sho	OK	
67.00	238.90	-60.20	EZ Sho	OK		118.00	239.50	-60.30	EZ Sho	OK	
168.00	238.20	-60.20	EZ Sho	OK		219.00	239.40	-59.60	EZ Sho	OK	
270.00	238.90	-59.00	EZ Sho	OK		321.00	238.30	-58.70	EZ Sho	OK	
372.00	237.20	-58.60	EZ Sho	OK		423.00	235.00	-58.20	EZ Sho	OK	
474.00	239.50	-58.30	EZ Sho	OK		525.00	240.00	-58.10	EZ Sho	OK	
576.00	234.10	-57.80	EZ Sho	OK		627.00	238.00	-57.90	EZ Sho	OK	
678.00	243.90	-57.40	EZ Sho	OK		750.00	243.70	-57.20	EZ Sho	OK	

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
0.00	1.00	OVB, MELKIOR - Overburden Overburden					
1.00	4.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, coarse grained, glomeroporphyritic, apprx 35% qtz, 20% plagioclase, 20% hornblende/biotite, massive, homogeneous, tr sul	290501	3.50	4.00	0.50	0.00
4.00	5.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, medium grained, silicified, carbonatized, quartz stringers and carbonate stringers with qtz stringers @ 70 DTCA and cb sts @ 40 DTCA, approx 3 to 4% scattered subhedral py xls from 4 to 4.4 meters	290502	4.00	4.50	0.50	0.00
			KL015012	4.00	4.50	0.50	
			290503	4.50	5.00	0.50	0.00
			290504	5.00	5.50	0.50	0.00

DETAILED LOG

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
5.20	31.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, coarse grained, glomeroporphyritic, massive, homogeneous, intercalated grey carbonatized zones, @ 13.05 3 cm qtz chl VN @ 40 DTCA, from 14.7 to 14.9 20 cm grey zone with approx 4 to 5% disseminated py, from 20 to 23.0 darker grey, silicified, carbonatized, approx 2 to 3% disseminated py, @ 26.64 10 cm qv @ 70 DTCA, tr sull	290505	13.00	13.50	0.50	0.00
			290506	13.50	14.50	1.00	0.00
			290507	14.50	15.00	0.50	0.01
			290508	15.00	16.00	1.00	0.01
			290509	20.00	21.00	1.00	0.00
			290510	21.00	22.00	1.00	0.00
			290511	22.00	22.50	0.50	0.00
			290512	22.50	23.00	0.50	0.00
			290513	28.00	29.00	1.00	0.01
			290514	29.00	30.00	1.00	0.00
			290515	30.00	31.00	1.00	0.01
31.00	33.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, medium grained, silicified, carbonatized, from 32.94 to 93.1, approx 25 to 30% columnar aggregates of py and 20 to 25% subhedral arsenopyrite	290516	31.00	32.00	1.00	0.04
			290517	32.00	32.50	0.50	0.11
			290518	32.50	33.00	0.50	2.20
			KL015013	32.50	33.00	0.50	
			290519	33.00	33.50	0.50	0.00
33.50	53.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotized, glomeroporphyritic, scattered chloritic clasts up to 7 cm in width, 38.9 to 39.2 carbonatized with chloritic dyklet @ 70 DTCA with 1 to 2% diss py, 50.1 to 50.5 light grey silicified and carbonatized zone with 8 cm qtz-tourmaline vn @ 50.26 @ 60 DTCA with 1 to 2% diss py	290521	38.50	39.00	0.50	0.00
			290522	39.00	39.50	0.50	0.00
			290523	49.00	49.50	0.50	0.00
			290524	49.50	50.00	0.50	0.00
			290525	50.00	50.50	0.50	0.00
			290526	50.50	51.00	0.50	0.00
53.30	55.00	GRD_CB, Granodiorite - Carbonatized (Melkior) variably altered with carbonate and epidote, locally silicified with localized potassic alteration, approx 1 to 2% finely disseminated py	290527	53.30	54.00	0.70	0.00
			290528	54.00	55.00	1.00	0.01
55.00	59.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotitic with localized carbonatized zones notably from 59.1 to 59.35, @ 59.15 approx 4 to 5% subhedral py locd along cb stringers @ 50 DTCA	290529	59.00	59.90	0.90	0.01
59.90	66.53	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to light green, carbonatized, silicified, epidotized, approx 3 to 4% disseminated with clusters of subhedral py notably from 60.15 to 61.5 and 65 to 66.53	290530	59.90	60.50	0.60	0.01
			290531	60.50	61.00	0.50	0.01
			290532	61.00	61.50	0.50	0.03
			290533	61.50	62.00	0.50	0.00
			290534	62.00	63.00	1.00	0.00
			290535	63.00	64.00	1.00	0.01
			290536	64.00	65.00	1.00	0.00
			290537	65.00	65.50	0.50	0.02
			290538	65.50	66.00	0.50	0.00
			290539	66.00	66.53	0.53	0.01

DETAILED LOG

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
66.53	79.70	QFP, QUARTZ FELDSPAR PORPHYRY light green, sericitic, massive, fine grained, mottled with dark green chloritic clasts and speckled with qtz phenocrysts, unit possesses approx 2 to 3% scattered clots and disseminations of py	290540	66.53	67.00	0.47	0.02
			290542	67.00	68.00	1.00	0.09
			290543	68.00	69.00	1.00	0.19
			290544	69.00	70.00	1.00	0.00
			290545	70.00	71.00	1.00	0.01
			290546	71.00	72.00	1.00	0.01
			290547	72.00	73.00	1.00	0.01
			290548	73.00	74.00	1.00	0.01
			290549	74.00	75.00	1.00	0.01
			290550	75.00	76.00	1.00	0.00
			290551	76.00	77.00	1.00	0.00
			290552	77.00	78.00	1.00	0.00
			290553	78.00	79.00	1.00	0.00
			290554	79.00	79.70	0.70	0.00
79.70	84.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to slightly pinkish, carbonatized, potassic and silicified, approx 1 to 2% disseminated py	290555	79.70	80.50	0.80	0.01
			290556	80.50	81.00	0.50	0.00
			290557	81.00	82.00	1.00	0.03
			290558	82.00	83.00	1.00	0.00
			290559	83.00	84.00	1.00	0.01
84.00	91.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotic locally slightly potassic, cg, glomeroporphyritic, approx 1 to 2% diss py, gradational FW CT perp to CA					
91.00	94.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to slightly buff, carbonatized, silicified, slightly potassic, 99.22 to 99.46 buff sheared feldspar porphyry dyke @ 40 DTCA with approx 6 to 7% clusters of subhedral py aligned para to shearing, approx 2 to 3% diss py throughout	290561	91.00	91.50	0.50	0.00
			290562	91.50	92.00	0.50	0.00
			290563	92.00	93.00	1.00	0.00
			290564	93.00	94.00	1.00	0.00
			290565	94.00	94.90	0.90	0.01
94.90	98.66	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, scattered qtz carb stringers varying in orientation from 30 to 70 DTCA, tr sul					
98.66	100.86	GRD_SIL, Granodiorite - Silicified (Melkior) light grey to buff, comprised of interstitial qtz, plag and hornblende, cg, glomeroporphyritic texture, scattered qtz-carb stringers @ 40 DTCA, approx 1 to 2% finely diss py	290566	98.66	99.50	0.84	0.00
			KL015014	99.00	99.50	0.50	
			290567	99.50	100.00	0.50	0.00
			290568	100.00	100.86	0.86	0.00
100.86	108.41	QFP, QUARTZ FELDSPAR PORPHYRY light grey to buff, fine grained, sericitic, chloritic, massive, homogeneous, scattered qtz-carb vnt' varying in orientation from 30 to 70 DTCA, approx 2 to 3% scattered subhedral clots of py	290569	100.86	102.00	1.14	0.00
			290570	102.00	103.00	1.00	0.01
			290571	103.00	104.00	1.00	0.01
			290572	104.00	105.00	1.00	0.01
			290573	105.00	106.00	1.00	0.00
			290574	106.00	107.00	1.00	0.00
			290575	107.00	108.00	1.00	0.24
			290576	108.00	108.41	0.41	0.01

DETAILED LOG

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
108.41	110.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey, cg, silicified with interstitial qtz, plag and hornblende, approx 1 to 2% diss py	290577	108.41	109.00	0.59	0.08
			290578	109.00	110.00	1.00	0.39
110.00	126.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, interstitial plag, qtz and hornblende, massive, homogeneous, glomerophyritic, tr sul	290579	126.00	126.90	0.90	0.00
126.90	129.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, from 128.6 to 128.8, 6 cm qtz-tourmaline vn @ 70 DTCA @ 128.6, 2cm grey qtz stringer with 6 to 7% subhedral py and 3 to 4% cpy as clots	290581	126.90	127.40	0.50	0.10
			290582	127.40	128.00	0.60	0.00
			290583	128.00	128.50	0.50	0.00
			290584	128.50	129.00	0.50	0.10
129.00	135.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, interstitial plag, qtz and hornblende, massive, homogeneous, glomerophyritic, tr sul, scattered blue qtz eyes throughout, @ 132.15 2 cm qtz stringer @ 60 DTCA, tr sul	290585	129.00	129.50	0.50	0.01
			290586	129.50	130.00	0.50	0.00
			290587	130.00	131.00	1.00	0.00
			290588	131.00	132.00	1.00	0.00
			290589	132.00	132.50	0.50	0.00
			290590	132.50	133.00	0.50	0.00
			290591	133.00	133.50	0.50	0.00
			290592	133.50	134.00	0.50	0.01
			290593	134.00	135.00	1.00	0.00
			290594	135.00	135.80	0.80	0.00
135.80	138.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, slightly sericitic, abundant blue qtz eyes, @ 135.9 4 cm gret qv @ 50 DTCA with 7 to 8% subhedral py and 6 to 7% subhedral arsenopyrite, 1 to 2% cpy, possible sph	290595	135.80	136.40	0.60	0.27
			290596	136.40	137.00	0.60	0.00
			290597	137.00	138.00	1.00	0.00
138.00	151.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, cg, from 139.8 to 140.2 dark grey carbonatized zone with 8 to 10% localized subhedral cluster of py and 3 to 4% subhedral asp aligned within fracture @ 70 DTCA from 146.6 to 147.2 dark grey carbonatized zone with 4 cm white qv @ 70 DTCA, approx 3 to 4% diss py	290598	139.00	139.80	0.80	0.00
			290599	139.80	140.20	0.40	0.11
			290601	140.20	141.00	0.80	0.00
			290602	146.00	146.60	0.60	0.00
			290603	146.60	147.20	0.60	0.00
			290604	147.20	148.00	0.80	0.00
151.10	159.00	GRD_SIL, Granodiorite - Silicified (Melkior) pinkish grey, silicified, slightly potassic and carbonatized, locally sericitic and sheared, interstitial blue qtz phenocrysts throughout, approx 2 to 3% diss py	290605	151.10	152.00	0.90	0.00
			290606	152.00	153.00	1.00	0.00
			290607	153.00	154.00	1.00	0.00
			290608	154.00	155.00	1.00	0.01
			290609	155.00	156.00	1.00	0.00
159.00	164.45	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish colour, predominantly potassic with weak hematitic alteration, slightly sheared with well developed foliation @ 60 DTCA, @ 161.1 4 cm qtz-chl vnt @ 60 DTCA with crenulated vng, approx 1 to 2% diss py	290610	159.00	160.00	1.00	0.00
			290611	160.00	161.00	1.00	0.00
			290612	161.00	162.00	1.00	0.01
			290613	162.00	163.00	1.00	0.00
			290614	163.00	164.00	1.00	0.00
164.45	169.26	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, scattered chloritic clasts, locally potassic with pinkish hue, homogeneous, tr sul					

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
169.26	175.40	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, potassic, slightly hematitic and epidotitic, cg, tr sul					
175.40	183.70	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fine grained, siliceous, chloritic, sericitic, massive, homogeneous, approx 1 to 2% diss py throughout, @ from 180.4 to 181.0 2 cm qtz stringer para to CA with 6 to 7% clusters of subhedral py loca along qtz stringer	290615	177.00	178.00	1.00	0.01
			290616	178.00	179.00	1.00	0.00
			290617	179.00	179.50	0.50	0.00
			290618	179.50	180.00	0.50	0.00
			290619	180.00	181.00	1.00	0.02
			290620	181.00	182.00	1.00	0.00
			290621	182.00	183.00	1.00	0.00
			290622	183.00	183.70	0.70	0.00
183.70	192.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, mg, glomeroporphyritic, potassic, slightly hematitic, blue qtz eyes throughout, tr sul, gradational FW ct	290623	183.70	184.70	1.00	0.00
192.00	201.00	GRD_SIL, Granodiorite - Silicified (Melkior) light grey to dark grey with pinkish hue, silicified, slightly carbonatized, slightly potassic, localized albitic phens, slightly sheared with foln @ 40 DTCA, locd slightly bleached sericitic sections, unit speckled with yellowish flakes, possibly leucoxene, tr sul					
201.00	221.40	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, predominantly potassic, slightly hematitic, cg, glomeroporphyritic texture, speckled with yellowis leucoxene flakes, tr sul, from 220.3 to 220.66 mafic dyke @ 20 DTCA, possible lamprophyre, tr sul	290625	219.00	220.00	1.00	0.01
			290626	220.00	221.00	1.00	0.00
			290627	221.00	221.40	0.40	0.00
221.40	222.60	MI, Melkior - Mafic Intrusive dark grey, fine grained, mafic dyke, massive, homogeneous, chloritic, strongly fractured with fractures para to CA, tr sul	290628	221.40	222.00	0.60	0.00
			290629	222.00	222.60	0.60	0.00
222.60	232.00	GRD_EP, Granodiorite - Epidotized (Melkior) predominantly light green hue, epidotitic with pinkish potassic sections throughout, tr sul	290630	222.60	223.10	0.50	0.00
			290631	231.00	232.00	1.00	0.00
232.00	238.10	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, slightly potassic, interstitial plag, hornblende, blue qtz eyes, from 233.5 to 234.0 series of qtz and cb sts 2 50 DTCA with 3 to 4% subhedral py locd along sts	290632	232.00	233.00	1.00	0.00
			290633	233.00	233.50	0.50	0.05
			290634	233.50	234.00	0.50	0.03
			290635	234.00	235.00	1.00	0.01
			290636	235.00	236.00	1.00	0.00
			290637	236.00	237.00	1.00	0.01
238.10	246.10	GRD_HEM, Granodiorite - Hematized (Melkior) reddish orange, predominantly potassic, slightly seticitic, interstitial qtz, plagioclase and hornblende, glomeroporphyritic, speckled with white carbonate, tr sul					
246.10	253.10	GRD_SIL, Granodiorite - Silicified (Melkior) light greyish white, silicified, carbonatized, interstitial blue qtz eyes with plag and hornblende, tr sul, shp FW ct @ 50 DTCA	290638	252.00	253.10	1.10	0.00

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
253.10	259.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, predominantly carbonatized, chloritic, approx 1 to 2% disseminated py, @ 258.5 2 cm grey qtz stringer @ 50 DTCA with 2 to 3% subhedral py, fractured and sheared FW ct @ 30 DTCA	290639	253.10	254.00	0.90	0.00
			290641	254.00	255.00	1.00	0.01
			290642	255.00	256.00	1.00	0.01
			290643	256.00	257.00	1.00	0.01
			290644	257.00	258.00	1.00	0.01
			290645	258.00	258.50	0.50	0.02
			290646	258.50	259.30	0.80	0.02
259.30	276.33	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, chloritic, siliceous, mottled with greenish white altered plagioclase phenocrysts and speckled with qtz phenocrysts, approx 1 to 2% diss py, shp FW ct @ 50 DTCA	290647	259.30	260.00	0.70	1.17
			290648	260.00	261.00	1.00	0.47
			290649	261.00	262.00	1.00	0.01
			290650	262.00	263.00	1.00	0.00
276.33	283.00	GRD_SIL, Granodiorite - Silicified (Melkior) light greyish green, mg, glomeroporphyritic, predominantly silicified with interstitial plagioclase & hornblende, slightly chloritic with chlorite infilled microfractures @ 50 DTCA, tr sul					
283.00	290.84	GRD_HEM, Granodiorite - Hematized (Melkior) predominantly pinkish hue with dark grey carbonatized zones within potassic and slightly epidotized grd, @ 288.5 stringer of disseminated and subhedral @ 50 DTCA, approx 5 to 5% py, @ 289.0 1 cm band of subhedral py @ 50 DTCA, approx 7 to 8% py	290651	288.00	288.50	0.50	0.17
			290652	288.50	289.00	0.50	0.11
			290653	289.00	289.50	0.50	0.02
			290654	289.50	290.00	0.50	0.01
290.84	295.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plag, qtz and hornblende, homogeneous, glomeroporphyritic, tr sul					
295.00	297.65	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to variably pinkish hue, predominantly carbonatized, slightly potassic, silicified, 295.73 to 295.80 7 cm qtz-tourmaline vn @ 50 DTCA @ 297.0 approx 4 to 5% locd subhedral py within fracture @ 40 DTCA, @ 297.5 cluster of approx 7 to 8% subhedral py within carbonate stringer(2 cm) at 40 DTCA (possible vg)	290655	295.00	295.50	0.50	0.17
			290656	295.50	296.00	0.50	0.04
			290657	296.00	296.50	0.50	0.01
			290658	296.50	297.00	0.50	0.01
			290659	297.00	297.65	0.65	0.88
297.65	304.00	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, predominantly epidotized, scattered hematitic vnt' notably @ 299.5 and 299.6 @ 70 and 50 DTCA respectively, tr sul	290661	297.65	298.00	0.35	0.00
			290662	298.00	298.50	0.50	0.00
			290663	298.50	299.00	0.50	0.00
			290664	299.00	300.00	1.00	0.00
304.00	307.00	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, fine grained, siliceous, chloritic, slightly sericitic, mottled with sericitized plag phens throughout, from 304.3 to 305.4, silicified granodiorite, approx 1 to 2% diss py					
307.00	309.50	GRD_SIL, Granodiorite - Silicified (Melkior) light grey, predominantly silicified, interstitial plag and hornblende with blue qtz eyes throughout, tr sul					
309.50	315.00	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, fine grained, siliceous, chloritic, slightly sericitic, mottled with sericitized plag phens throughout, 314.78 to 314.81 3 cm qtz vn perp to CA, tr sul					

DETAILED LOG

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
315.00	325.60	GRD_SIL, Granodiorite - Silicified (Melkior) light grey, predominantly silicified, interstitial plag and hornblende with blue qtz eyes throughout, @ 321.0 and 321.4 2 2cm grey qtz stringers @ 40 DTCA with 3 to 4% clusters of subhedral py	290665	320.00	320.50	0.50	0.00
			290666	320.50	321.00	0.50	0.17
			290667	321.00	321.50	0.50	0.10
			290668	321.50	322.00	0.50	0.00
			290669	322.00	322.50	0.50	0.29
			290670	322.50	323.00	0.50	0.00
			290671	323.00	324.00	1.00	0.00
325.60	326.80	QFP, QUARTZ FELDSPAR PORPHYRY light grey to creamy white, aphanitic, patchy, admixture of chloritic volcanics, silicified, chloritic, tr py					
326.80	327.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plag, qtz and hornblende, homogeneous, glomeroporphyritic, tr sul					
327.80	329.40	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, fg, massive with scattered subrounded clasts, possible debris flow, almost variolitic texture, subaqueous environment, tr py					
329.40	337.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plag, qtz and hornblende, homogeneous, glomeroporphyritic, tr sul	290672	336.00	336.50	0.50	0.00
			290673	336.50	337.10	0.60	0.01
337.10	338.40	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, massive with ripped up grd clasts and xenoliths throughout, tr py	290674	337.10	337.70	0.60	0.00
			290675	337.70	338.40	0.70	0.00
338.40	341.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plag, qtz and hornblende, homogeneous, glomeroporphyritic, tr sul	290676	338.40	339.00	0.60	0.02
			290677	339.00	340.00	1.00	0.02
			290678	340.00	341.00	1.00	0.01
341.00	355.30	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic with abundant granodioritic xenoliths, volcanic with brecciated hyaloclastite, subaqueous textures 341.3, 3 cm qtz vn @ 50 DTCA with 4 to 5% subhedral py within vn, @ 350.75 6 cm qv @ 70 DTCA with 10 to 12% subhedral py & 2 to 3% cpy, @ 351.5 3 cm qv @ 30 DTCA with 10 to 12% subhedral py rimming vnt, @ 353.0 3 cm qv @ 30 DTCA with 7 to 8% subhedral py within vn	290679	341.00	341.50	0.50	0.01
			290681	341.50	342.00	0.50	0.01
			290682	342.00	342.50	0.50	0.72
			290683	342.50	343.00	0.50	0.02
			290684	349.00	350.00	1.00	0.01
			290685	350.00	350.50	0.50	0.06
			290686	350.50	351.00	0.50	1.44
			290687	351.00	351.60	0.60	0.33
			290688	351.60	352.00	0.40	0.02
			290689	352.00	352.80	0.80	0.01
			290690	352.80	353.50	0.70	0.15
			290691	353.50	354.00	0.50	0.00
			290692	354.00	354.50	0.50	0.02
			290693	354.50	355.30	0.80	0.00

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
355.30	361.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, chloritic, abundant cb stringers @ 50 to 70 DTCA, 359.32 to 359.38 6 cm qv @ 70 DTCA with 5 to 6% subhedral py w/in vnshp FW ct @ 40 DTCA	290694	355.30	356.00	0.70	0.00
			290695	356.00	357.00	1.00	0.00
			290696	357.00	358.00	1.00	0.00
			290697	358.00	359.00	1.00	0.00
			290698	359.00	359.50	0.50	1.93
			290699	359.50	360.00	0.50	0.02
			290701	360.00	361.00	1.00	0.00
			290702	361.00	361.80	0.80	0.00

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
361.80	424.00	BaFBx, Melkior - Basalt Flow Breccia dark green, fg, brecciated hyaloclastite, abundant epidotized granodioritic clasts and xenoliths, scattered sts throughout and tension gashes subparallel to CA, @ 363.2 3 cm qv @ 35 DTCA rimmed with carb and 6 to 7% subhedral py, @ 370.5 3 cm qv @ 60 DTCA with 8 to 10% subhedral py, from 372.0 to 378.0 brecciated hyaloclastite, approx 1 to 2% diss py, from 382.2 to 383.2 epidotized granodioritic xenolith @ 30 DTCA, from 387.0 to 390.0 scattered dioritic clasts, approx 2 to 3% diss and subhedral py, @ 400.5 4 cm grey qv @ 50 DTCA with approx 12 to 15% colunar aggregates of subhedral py, 401.6 to 401.9 epidotitic granodiorite dyke @ 20 DTCA, 406.4 to 407.0 epidotic grd dyke @ 50 DTCA with hematized HW ct and 1 cm qtz stringer @ HW ct with 3 to 4% subhedral py, @ 411.8 5 cm carb-qtz vnt @ 70 DTCA with 20 to 25% columnar aggregates of subhedral py, from 414.5 to 420.0 brecciated hyaloclastite, @ 416.0 3 cm cb vnt @ 50 DTCA with 10 to 12% subhedral py aggregates, @ 422.4 2 cm qz stringer @ 60 DTCA with approx 6 to 7% subhedral to euhedral py within surrounding wallrock	290703	361.80	362.50	0.70	0.93	
				290704	362.50	363.00	0.50	0.07
				290705	363.00	364.00	1.00	0.11
				290706	364.00	365.00	1.00	0.03
				290707	365.00	366.00	1.00	0.00
				290708	369.00	370.00	1.00	0.01
				290709	370.00	370.60	0.60	0.50
				290710	370.60	371.10	0.50	0.06
				290711	371.10	372.00	0.90	0.02
				290712	387.00	388.00	1.00	0.00
				290713	388.00	389.00	1.00	0.00
				290714	389.00	390.00	1.00	0.00
				290715	390.00	391.00	1.00	0.02
				290716	391.00	392.00	1.00	0.02
				290717	392.00	393.00	1.00	0.53
				290718	393.00	394.00	1.00	0.00
				290719	394.00	395.00	1.00	0.00
				290721	395.00	395.50	0.50	0.01
				290722	395.50	396.00	0.50	2.70
				290723	396.00	397.00	1.00	0.03
				290724	397.00	397.50	0.50	0.15
				290725	397.50	398.00	0.50	0.01
				290726	400.00	400.50	0.50	0.00
				290727	400.50	401.00	0.50	7.39
				290728	401.00	402.00	1.00	0.12
				290729	402.00	402.50	0.50	0.00
				290730	402.50	403.00	0.50	0.02
				290731	403.00	404.00	1.00	0.00
				290732	404.00	405.00	1.00	0.01
				290733	405.00	406.00	1.00	0.01
				290734	406.00	406.50	0.50	0.00
				290735	406.50	407.00	0.50	0.01
				290736	411.00	411.50	0.50	0.02
				290737	411.50	412.00	0.50	0.25
				290738	412.00	412.50	0.50	0.02
				290739	412.50	413.00	0.50	0.00
				290741	413.00	414.00	1.00	0.05
				290742	414.00	415.00	1.00	0.00
				290743	415.00	416.00	1.00	0.03
				290744	416.00	416.50	0.50	0.25
				290745	416.50	417.00	0.50	0.01
				290746	420.00	420.50	0.50	0.01
				290747	420.50	421.00	0.50	0.01

DETAILED LOG

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
			290748	421.00	422.00	1.00	0.01
			290749	422.00	422.50	0.50	0.49
			290750	422.50	423.00	0.50	0.03
424.00	438.50	MI, Melkior - Mafic Intrusive dark green, chloritic, strongly magnetic with magnetite, massive, homogeneous, very fine grained, shp HW ct @ 30 DTCA, may be mafic dyke or massive basalt, @ 428.3 7 cm carbonate zone with 10 to 12% subhedral clusters of py aligned @ 50 DTCA, @ 433.0 3 CM white qv @ 30 DTCA with 3 to 4% subhedral py locd along vn ct', from 434.5 to 436.0 unit speckled with white carb flakes,	290751	427.00	428.00	1.00	0.02
			290752	428.00	428.50	0.50	0.39
			290753	428.50	429.00	0.50	0.00
			290754	429.00	430.00	1.00	0.02
			290755	430.00	431.00	1.00	0.01
			290756	431.00	432.00	1.00	0.01
			290757	432.00	432.50	0.50	0.02
			290758	432.50	433.00	0.50	0.00
			290759	433.00	433.50	0.50	0.00
			290761	433.50	434.00	0.50	0.00
			290762	434.00	435.00	1.00	0.00
			290763	435.00	436.00	1.00	0.01
			290764	436.00	437.00	1.00	0.00
			290765	437.00	438.00	1.00	0.15
438.50	440.30	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, carbonatized, silicified, mottled with sericitized plag phenocrysts, approx 1 to 2% scattered subhedral to euhedral py xls throughout, gradational HW and FW ct'					
440.30	453.00	BaFBx, Melkior - Basalt Flow Breccia dark green, fg, chloritic, sericitic, brecciated hyaloclastite, scattered epidotized granodioritic clasts and xenoliths and albitic dykes @ 443.2 3 cm cb vnt @ 70 DTCA with 7 to 8% clustered subhedral py	290766	442.00	443.00	1.00	0.01
			290767	443.00	443.50	0.50	0.45
			290768	443.50	444.00	0.50	0.01
453.00	487.70	DAC, Melkior - Dacite light grey, siliceous, locally sericitic alteration, speckled with black qtz phenocrysts, brittle and fractured unit with fractures subparallel to CA, approx 1 to 2% diss py occurring as clots throughout unit	290769	459.00	460.00	1.00	0.00
			290770	460.00	460.50	0.50	0.00
			290771	460.50	461.00	0.50	0.00
			290772	486.00	487.00	1.00	0.03
			290773	487.00	487.70	0.70	0.07
487.70	498.50	QFP, QUARTZ FELDSPAR PORPHYRY light grey, medium grained, interstitial sericitized plag, qtz and chlorite, siliceous, sericitic, massive, homogeneous, strongly fractured sections with fractures subparallel to CA, notably from 489.3 to 490.5, 492.0 to 495.0 and 496.0 to 497.0, from 487.0 to 487.7, scattered cb sts @ 40 DTCA with 3 to 4% subhedral py, shp FW ct @ 45 DTCA	290774	487.70	488.50	0.80	0.01
			290775	488.50	489.00	0.50	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
498.50	509.50	BaFBx, Melkior - Basalt Flow Breccia dark grey to dark green, predominantly chloritic, siliceous and carbonaceous, moderately foliated with foliation @ 60 DTCA, variably hyaloclastic, from 503.0 to 503.4 approx 12 to 15% py occurring as cluster of euhedral to subhedral py, from 505.5 to 505.6 approx 10 to 12% disseminated po, @ 505.67 2 cm white Qtz vnt @ 70 DTCA with 3 to 4% subhedral py and 1 to 2% patchy sph, from 505.06 to 505.20 14 cm white QV with irregular ct' perp to CA, approx 7 to 8% semi-massive py with 1 to 2% patchy sph, 0.5 to 1% asp, 1 to 2% diss cpy within surrounding wallrock, from 505.7 to 506.3 chloritic zone with 10 to 12% wispy po aligned parallel to foliation, 506.3 to 506.4 10 cm grey qv @ 70 DTCA with 4 to 5% diss po,	290776	501.00	502.00	1.00	0.00
			290777	502.00	503.00	1.00	0.00
			290778	503.00	503.50	0.50	0.02
			290779	503.50	504.00	0.50	0.02
			290781	504.00	504.50	0.50	0.01
			290782	504.50	505.00	0.50	0.00
			290783	505.00	505.50	0.50	0.17
			290784	505.50	506.00	0.50	0.03
			290785	506.00	506.50	0.50	0.05
			290786	506.50	507.00	0.50	0.14
			290787	507.00	508.00	1.00	0.11
			290788	508.00	509.00	1.00	0.01
			290789	509.00	509.50	0.50	0.04
509.50	549.60	FV, Melkior - Felsic Volcanics light grey, siliceous to locally silicified, sericitic, locally carbonated, possible rhyolite, localized chloritic vesicles, patchy sericitic alteration, from 510.3 to 510.5 localized zone with 20 to 25% disseminated po 8 to 10% subhedral py, from 513.55 to 513.6 localized carbonate/sericite alteration with 8 to 10% localized subhedral py clusters aligned perpendicular to CA, from 514.0 to 524.5 unit possesses possible relic pillow selvages with localized vesicles, may be bleached intermediate volcanic, @ 523.3 3 cm cb vnt @ 70 DTCA with 8 to 10% subhedral py, from 524.5 to 526.0 unit strongly fractured with fractures subparallel to CA, @ 533.4 3 cm qv para to CA with cluster of 3 to 4% py and 1 to 2% cpy, shp FW ct @ 60 DTCA	290790	509.50	510.00	0.50	0.00
			290791	510.00	510.50	0.50	0.00
			290792	510.50	511.00	0.50	0.00
			290793	511.00	512.00	1.00	0.00
			290794	512.00	513.00	1.00	0.00
			290795	513.00	513.50	0.50	0.00
			290796	513.50	514.00	0.50	0.00
			290797	514.00	514.50	0.50	0.01
			290798	514.50	515.00	0.50	0.00
			290799	522.50	523.00	0.50	0.01
			290801	523.00	523.50	0.50	0.59
			290802	523.50	524.50	1.00	0.01
			290803	532.50	533.00	0.50	0.00
			290804	533.00	533.50	0.50	0.01
			290805	533.50	534.00	0.50	0.01
			290806	534.00	535.00	1.00	0.01
			290807	535.00	536.00	1.00	0.00
			290808	536.00	536.50	0.50	0.07
			290809	536.50	537.00	0.50	0.01
549.60	551.20	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, slightly brecciated, scattered carb and epidotitic vnt' @ 60 DTCA, approx 3 to 4% subhedral and disseminated py within fracture fillings	290810	549.60	550.00	0.40	0.01
			290811	550.00	550.50	0.50	0.01
			290812	550.50	551.20	0.70	0.01
551.20	556.00	QFP, QUARTZ FELDSPAR PORPHYRY light grey to buff, fg, siliceous, sericitic, massive, homogeneous, approx 1 to 2% scattered subhedral py throughout	290813	551.20	552.00	0.80	0.02
			290814	552.00	553.00	1.00	0.15
			290815	553.00	554.00	1.00	0.04
			290816	554.00	555.00	1.00	0.01
			290817	555.00	556.00	1.00	0.00

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
556.00	587.80	<p>BaM, Melkior - Basalt; fine grained; massive</p> <p>dark green, predominantly chloritic, variably siliceous, scattered orange and pistachio green potassic and epidotitic vnt' throughout generally oriented subparallel to CA, @ 557.3 11 cm dark grey qv with HW and FW ct' @ 30 and 70 DTCA respectively, approx 4 to 5% diss and subh py locd along vn ct', VN possesses microfractures infilled with cb, @ 572.8 5 cm grey qv @ 60 DTCA with 12 to 15% subhedral py and 4 to 5% subhedral asp occurring along vn ct', @ 573.06 14 cm qv with 4 to 5% scattered subhedral py and 2 to 3% asp, ct' @ 60 DTCA, from 573.4 to 573.9 50 cm qv @ 70 DTCA with 10 to 12% columnar py, 8 to 10% patchy po, 3 to 4% subhedral asp locd @ vn HW ct, 2 to 3% patchy cpy, from 575 to 587.84 unit becomes more massive, chloritic, homogeneous with abundant carb stringers aligned perp to CA and para to CA, approx 1 to 2% scattered subhedral py xl'</p>	290818	556.00	557.00	1.00	0.01
			290819	557.00	557.50	0.50	0.07
			290821	557.50	558.00	0.50	0.02
			290822	558.00	559.00	1.00	0.00
			290823	566.20	567.00	0.80	0.00
			290824	567.00	568.00	1.00	0.00
			290825	568.00	569.00	1.00	0.00
			290826	569.00	570.00	1.00	0.00
			290827	570.00	571.00	1.00	0.00
			290828	571.00	571.90	0.90	0.01
			290829	571.90	572.40	0.50	0.01
			290830	572.40	572.90	0.50	0.06
			290831	572.90	573.40	0.50	0.02
			290832	573.40	573.90	0.50	0.10
			290833	573.90	574.50	0.60	0.00
			290834	574.50	575.00	0.50	0.00
			290835	575.00	576.00	1.00	0.00
			290836	576.00	577.00	1.00	0.01
			290837	577.00	578.00	1.00	0.00
			290838	578.00	579.00	1.00	0.00
			290839	579.00	580.00	1.00	0.00
			290841	586.00	587.00	1.00	0.00
			290842	587.00	587.80	0.80	0.00
587.80	588.00	<p>QV, Quartz Vein</p> <p>dark grey, silicified, qtz, chlorite, shp HW and FW ct' @ 70 and 30 DTCA respectively, approx 12 to 15% columnar aggregates of py, 12 to 15% patchy po, 1 to 2% subhedral aggregates of asp, 0.5 to 1% sph, 0.5 to 1% cpy, py further occurs as banding proximal to HW ct and perp to CA,</p>	290843	587.80	588.30	0.50	0.02
588.00	590.70	<p>BaFBx, Melkior - Basalt Flow Breccia</p> <p>dark green, fine grained, brecciated, scattered grey qv', notably from 589.6 to 589.74 with 2 to 3% diss py, po rimming vn and 590.1 to 590.26 with 3 to 4% diss po locd at vn ct', both vn' perp to CA, approx 5 to 6% patcy po and 3 to 4% subhedral py throughout matrix, unit strongly carbonaceous with grey patches of carbonate throughout unit</p>	290844	588.30	588.80	0.50	0.01
			290845	588.80	589.30	0.50	0.01
			290846	589.30	590.00	0.70	0.01
			290847	590.00	590.70	0.70	0.01
590.70	606.40	<p>IV, Melkior - Intermediate to felsic volcanics</p> <p>light grey, siliceous, fg, locally sericitic, possible quench textures, may be bleached and altered intermediate volcanic (dacite), strongly fractured notably from 596.0 to 598.0 with fractures subparallel to CA, approx 2 to 3% blebby and scattered subhedral py</p>	290848	590.70	591.30	0.60	0.00
			290849	591.30	592.00	0.70	0.00
			290850	592.00	593.00	1.00	0.00
			290851	593.00	594.00	1.00	0.00
			290852	594.00	595.00	1.00	0.01
			290853	595.00	596.00	1.00	0.00
			290854	596.00	597.00	1.00	0.00
			290855	599.00	599.50	0.50	0.00
			290856	599.50	600.00	0.50	0.24
			290857	600.00	601.00	1.00	0.01

Hole Number: **CAR-20-08**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
606.40	637.60	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, patchy epidotitic alteration throughout, somewhat brecciated texture, patchy black chlorite, weakly foliated with foliation @ 60 DTCA, occasional orange potassic vnt' and granitic clasts, quench textures throughout sequence, from 632.3 to 633.5 cb vnts with approx 6 to 7% aggregates of subhedral py aligned para to foliation @ 50 DTCA, from 636.26 to 637.6 dark grey carbonatized transitional zone with approx 2 to 3% diss y	290858	607.00	608.00	1.00	0.00
			290859	608.00	609.00	1.00	0.00
			290860	609.00	609.50	0.50	0.00
			290861	609.50	610.00	0.50	0.00
			290862	610.00	611.00	1.00	0.01
			290863	611.00	612.00	1.00	0.01
			290865	632.00	633.00	1.00	0.06
			290866	633.00	633.50	0.50	0.02
			290867	633.50	634.00	0.50	0.01
			290868	634.00	634.50	0.50	0.01
			290869	634.50	635.00	0.50	0.02
			290870	635.00	635.50	0.50	0.03
			290871	635.50	636.00	0.50	0.01
			290872	636.00	636.50	0.50	0.00
			290873	636.50	637.00	0.50	0.00
			290874	637.00	637.60	0.60	0.00
637.60	639.00	QV, Quartz Vein dark grey, silicified, microfractures infilled with chlorite @ 70 DTCA, from 637.88 to 638.28 dark green chloritic and brecciated wallrock fragment with approx 20 to 25% py rimming fragment and occurring throughout vn, approx 12 to 15% Patchy po, approx 1 to 2% patchy cpy, shp HW and FW ct' @ 50 DTCA,	290875	637.60	638.10	0.50	0.01
			290876	638.10	639.00	0.90	0.01
639.00	645.00	IV, Melkior - Intermediate to felsic volcanics buff to light grey-green, moderately foliated to slightly sheared, fg, chloritic, sericitic, siliceous, high strain, @ 642.45 1 cm pyrrhotitic stringer perpendicular to CA with 2 to 3% cpy and 6 to 7% po, from 643.03 to 643.20 17 cm carb-qtz vn @ 50 DTCA para to foliation with 2 to 3% diss po locd along vn ct'	290877	639.00	640.00	1.00	0.00
			290878	640.00	641.00	1.00	0.00
			290879	641.00	642.00	1.00	0.00
			290881	642.00	642.50	0.50	0.00
			290882	642.50	643.00	0.50	0.09
			290883	643.00	644.00	1.00	0.01
			290884	644.00	645.00	1.00	0.00
645.00	648.00	MT, Melkior - Mafic Tuff dark grey, moderately foliated, tuffaceous texture, predominantly chloritic and carbonaceous, foliation @ 50 DTCA, approx 1 to 2% disseminated py	290885	645.00	646.00	1.00	0.00
			290886	646.00	647.00	1.00	0.00
			290887	647.00	648.00	1.00	0.00
648.00	663.20	BaM, Melkior - Basalt; fine grained; massive dark grey to dark green, fine grained, massive, chloritic, carbonaceous, abundant carb sts @ 70 to 80 DTCA, from 648.2 to 648.4 approx 12 to 15% disseminated po and 2 to 3% patchy cpy locd within carb @ 30 to 50 DTCA, locd 2 cm qtz vnt @ 70 DTCA with 2 to 3% diss po, from 649.9 to 650.1 approx 12 to 15% diss po, @ 650.23 10 cm carb vnt @ 70 DTCA with approx 15 to 20% diss po, from 656.4 to 656.8 brecciated section with patches or clasts of magnetite rich mafic intrusives, approx 4 to 5% diss and scattered subhedral py xl', @ 659.0 3 cm qtz-tour vn @ 25 DTCA with 1 to 2% diss py locd along vn ct', @ 66.4 5 cm magnetite carbonate dyklet @ 70 DTCA with 6 to 7% diss po, 3 to 4% subhedral py, 2 to 3% patchy cpy, some scattered localized sections with brecciated hyaloclastite	290888	648.00	648.50	0.50	0.00
			290889	648.50	649.00	0.50	0.00
			290890	649.00	649.50	0.50	0.00
			290891	649.50	650.00	0.50	0.00
			290892	650.00	650.50	0.50	0.01
			290893	650.50	651.00	0.50	0.00
			290894	651.00	652.00	1.00	0.00
			290895	661.00	662.00	1.00	0.00
			290896	662.00	662.50	0.50	0.00
			290897	662.50	663.20	0.70	0.00

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
663.20	665.10	MI, Melkior - Mafic Intrusive dark grey to black, aphanitic, massive extremely magnetic, magnetite rich, possible magnetite facies IF, from 664.83 to 664.96, 13 cm dark grey qtz vn @ 70 DTCA, approx 4 to 5% diss and patchy po with 2 to 3% blebby and subhedral py shp HW and FW ct' @ 30 DTCA	290898	663.20	664.00	0.80	0.01
			290899	664.00	664.50	0.50	0.06
			290901	664.50	665.10	0.60	0.55
665.10	708.90	BaP, Melkior - Pillow Basalt dark green, predominantly chloritic, locally carbonaceous, scattered relic pillow selvages throughout, from 671.5 to 673.0 unit mottled with epidotized clasts, from 678.5 to 679.0 series of 2 cm carb infilled tension gahes oriented @ 50 DTCA with approx 1 to 2% scattered subhedral py, from 679.0 to 679.3 fractured faulted zone with crumbled core and 5 cm qtz-chl vn @ FW ct @ 40 DTCA with 2 to 3% diss py and possible sph, from 682.6 to 683.2 localized FZ with fractures and crumbled core subparallel to CA, from 682.94 to 683.04 pinkish calcitic QV para to A with tr py, from 684.0 to 684.3 pinkish orange calcitic, potassic qv para to CA with tr py, @ 688.1 5 cm patch of carbonate @ mafic dyke with 10 to 12% diss and subhedral py, from 697.88 to 698.02 14 cm mafic dyke (BIF) with 6 to 7% diss po and 3 to 4% subhedral py @ 60 DTCA, fractured section from 700 to 701.7 with fractures @ 30 to 40 DTCA, section mottled with epidotized clasts	290902	665.10	666.00	0.90	0.00
			290903	672.70	673.20	0.50	0.00
			290904	673.20	674.00	0.80	0.00
			290905	674.00	675.00	1.00	0.00
			290906	678.00	679.00	1.00	0.00
			290907	679.00	680.00	1.00	0.00
			290908	687.00	688.00	1.00	0.00
			290909	688.00	688.50	0.50	0.01
			290910	688.50	689.00	0.50	0.00
			290911	689.00	690.00	1.00	0.00
			290912	697.00	697.50	0.50	0.00
			290913	697.50	698.00	0.50	0.00
			290914	698.00	699.00	1.00	0.00
			290915	708.00	708.90	0.90	0.00
708.90	710.70	IF, Melkior - Iron Formation dark green to locally black, chloritic and magnetite-rich, strongly magnetic from 708.9 to 709.65 with approx 20 to 25% disseminated and semi-massive patchy po, from 709.65 to 710.4 dark grey silicified qtz-rich cherty facies, approx 2 to 3% patchy po, from 710.4 to 710.74 dark green chloritic, magnetite-rich, approx 12 to 15% diss po and 3 to 4% blebby py, shp fw ct @ 60 DTCA	290916	708.90	709.40	0.50	0.06
			290917	709.40	709.90	0.50	0.25
			290918	709.90	710.40	0.50	0.12
			290919	710.40	710.70	0.30	0.06
710.70	743.55	BaP, Melkior - Pillow Basalt dark green, fine grained, predominantly chloritic, localized brecciated hyaloclastite with magnetite-rich patches, relic pillow selvages, abundant carb vnt' and sts @ 50 DTCA, from 724.64 to 724.84 magnetite-rich black aphanitic dyklet @ 40 DTCA, with 3 to 4% diss py	290921	710.70	711.50	0.80	0.00
			290922	711.50	712.00	0.50	0.00
			290923	712.00	713.00	1.00	0.00
			290924	713.00	714.00	1.00	0.01
			290925	714.00	715.00	1.00	0.00
			290926	715.00	716.00	1.00	0.01
			290927	724.00	725.00	1.00	0.01
			290928	725.00	726.00	1.00	0.00
			290929	726.00	727.00	1.00	0.00
			290930	727.00	728.00	1.00	0.01
			290931	728.00	729.00	1.00	0.01
743.55	750.00	DAC, Melkior - Dacite buff to light grey, fg, siliceous, sericitic, carbonaceous, massive, homogeneous, scattered qtz-carb vnt' and sts @ 60 to 70 DTCA, approx 1 to 2% blebby and subhedral py locd along qtz-carb sts, 750 meters EOH					

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290501	3.50	4.00	0.0025
290502	4.00	4.50	0.0025
290503	4.50	5.00	0.0025
290504	5.00	5.50	0.0025
290505	13.00	13.50	0.0025
290506	13.50	14.50	0.0025
290507	14.50	15.00	0.0060
290508	15.00	16.00	0.0090
290509	20.00	21.00	0.0025
290510	21.00	22.00	0.0025
290511	22.00	22.50	0.0025
290512	22.50	23.00	0.0025
290513	28.00	29.00	0.0090
290514	29.00	30.00	0.0025
290515	30.00	31.00	0.0070
290516	31.00	32.00	0.0350
290517	32.00	32.50	0.1130
290518	32.50	33.00	2.2000
290519	33.00	33.50	0.0025
290521	38.50	39.00	0.0025
290522	39.00	39.50	0.0025
290523	49.00	49.50	0.0025
290524	49.50	50.00	0.0025
290525	50.00	50.50	0.0025
290526	50.50	51.00	0.0025
290527	53.30	54.00	0.0025
290528	54.00	55.00	0.0050
290529	59.00	59.90	0.0090
290530	59.90	60.50	0.0060
290531	60.50	61.00	0.0100
290532	61.00	61.50	0.0290
290533	61.50	62.00	0.0025
290534	62.00	63.00	0.0025
290535	63.00	64.00	0.0050
290536	64.00	65.00	0.0025
290537	65.00	65.50	0.0220
290538	65.50	66.00	0.0025
290539	66.00	66.53	0.0050
290540	66.53	67.00	0.0230

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290542	67.00	68.00	0.0870
290543	68.00	69.00	0.1900
290544	69.00	70.00	0.0025
290545	70.00	71.00	0.0090
290546	71.00	72.00	0.0130
290547	72.00	73.00	0.0120
290548	73.00	74.00	0.0080
290549	74.00	75.00	0.0060
290550	75.00	76.00	0.0025
290551	76.00	77.00	0.0025
290552	77.00	78.00	0.0025
290553	78.00	79.00	0.0025
290554	79.00	79.70	0.0025
290555	79.70	80.50	0.0060
290556	80.50	81.00	0.0025
290557	81.00	82.00	0.0310
290558	82.00	83.00	0.0025
290559	83.00	84.00	0.0070
290561	91.00	91.50	0.0025
290562	91.50	92.00	0.0025
290563	92.00	93.00	0.0025
290564	93.00	94.00	0.0025
290565	94.00	94.90	0.0050
290566	98.66	99.50	0.0025
290567	99.50	100.00	0.0025
290568	100.00	100.86	0.0025
290569	100.86	102.00	0.0025
290570	102.00	103.00	0.0050
290571	103.00	104.00	0.0130
290572	104.00	105.00	0.0090
290573	105.00	106.00	0.0025
290574	106.00	107.00	0.0025
290575	107.00	108.00	0.2370
290576	108.00	108.41	0.0080
290577	108.41	109.00	0.0800
290578	109.00	110.00	0.3930
290579	126.00	126.90	0.0025
290581	126.90	127.40	0.0950
290582	127.40	128.00	0.0025

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290583	128.00	128.50	0.0025
290584	128.50	129.00	0.0970
290585	129.00	129.50	0.0060
290586	129.50	130.00	0.0025
290587	130.00	131.00	0.0025
290588	131.00	132.00	0.0025
290589	132.00	132.50	0.0025
290590	132.50	133.00	0.0025
290591	133.00	133.50	0.0025
290592	133.50	134.00	0.0080
290593	134.00	135.00	0.0025
290594	135.00	135.80	0.0025
290595	135.80	136.40	0.2680
290596	136.40	137.00	0.0025
290597	137.00	138.00	0.0025
290598	139.00	139.80	0.0025
290599	139.80	140.20	0.1060
290601	140.20	141.00	0.0025
290602	146.00	146.60	0.0025
290603	146.60	147.20	0.0025
290604	147.20	148.00	0.0025
290605	151.10	152.00	0.0025
290606	152.00	153.00	0.0025
290607	153.00	154.00	0.0025
290608	154.00	155.00	0.0050
290609	155.00	156.00	0.0025
290610	159.00	160.00	0.0025
290611	160.00	161.00	0.0025
290612	161.00	162.00	0.0070
290613	162.00	163.00	0.0025
290614	163.00	164.00	0.0025
290615	177.00	178.00	0.0050
290616	178.00	179.00	0.0025
290617	179.00	179.50	0.0025
290618	179.50	180.00	0.0025
290619	180.00	181.00	0.0150
290620	181.00	182.00	0.0025
290621	182.00	183.00	0.0025
290622	183.00	183.70	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290623	183.70	184.70	0.0025
290625	219.00	220.00	0.0090
290626	220.00	221.00	0.0025
290627	221.00	221.40	0.0025
290628	221.40	222.00	0.0025
290629	222.00	222.60	0.0025
290630	222.60	223.10	0.0025
290631	231.00	232.00	0.0025
290632	232.00	233.00	0.0025
290633	233.00	233.50	0.0530
290634	233.50	234.00	0.0340
290635	234.00	235.00	0.0120
290636	235.00	236.00	0.0025
290637	236.00	237.00	0.0110
290638	252.00	253.10	0.0025
290639	253.10	254.00	0.0025
290641	254.00	255.00	0.0090
290642	255.00	256.00	0.0130
290643	256.00	257.00	0.0120
290644	257.00	258.00	0.0050
290645	258.00	258.50	0.0220
290646	258.50	259.30	0.0180
290647	259.30	260.00	1.1700
290648	260.00	261.00	0.4680
290649	261.00	262.00	0.0100
290650	262.00	263.00	0.0025
290651	288.00	288.50	0.1650
290652	288.50	289.00	0.1080
290653	289.00	289.50	0.0170
290654	289.50	290.00	0.0070
290655	295.00	295.50	0.1710
290656	295.50	296.00	0.0360
290657	296.00	296.50	0.0120
290658	296.50	297.00	0.0090
290659	297.00	297.65	0.8780
290661	297.65	298.00	0.0025
290662	298.00	298.50	0.0025
290663	298.50	299.00	0.0025
290664	299.00	300.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290665	320.00	320.50	0.0025
290666	320.50	321.00	0.1700
290667	321.00	321.50	0.0960
290668	321.50	322.00	0.0025
290669	322.00	322.50	0.2880
290670	322.50	323.00	0.0025
290671	323.00	324.00	0.0025
290672	336.00	336.50	0.0025
290673	336.50	337.10	0.0050
290674	337.10	337.70	0.0025
290675	337.70	338.40	0.0025
290676	338.40	339.00	0.0200
290677	339.00	340.00	0.0160
290678	340.00	341.00	0.0060
290679	341.00	341.50	0.0140
290681	341.50	342.00	0.0100
290682	342.00	342.50	0.7240
290683	342.50	343.00	0.0160
290684	349.00	350.00	0.0100
290685	350.00	350.50	0.0630
290686	350.50	351.00	1.4400
290687	351.00	351.60	0.3250
290688	351.60	352.00	0.0220
290689	352.00	352.80	0.0070
290690	352.80	353.50	0.1460
290691	353.50	354.00	0.0025
290692	354.00	354.50	0.0230
290693	354.50	355.30	0.0025
290694	355.30	356.00	0.0025
290695	356.00	357.00	0.0025
290696	357.00	358.00	0.0025
290697	358.00	359.00	0.0025
290698	359.00	359.50	1.9300
290699	359.50	360.00	0.0160
290701	360.00	361.00	0.0025
290702	361.00	361.80	0.0025
290703	361.80	362.50	0.9260
290704	362.50	363.00	0.0680
290705	363.00	364.00	0.1060

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290706	364.00	365.00	0.0250
290707	365.00	366.00	0.0025
290708	369.00	370.00	0.0070
290709	370.00	370.60	0.5040
290710	370.60	371.10	0.0560
290711	371.10	372.00	0.0240
290712	387.00	388.00	0.0025
290713	388.00	389.00	0.0025
290714	389.00	390.00	0.0025
290715	390.00	391.00	0.0150
290716	391.00	392.00	0.0200
290717	392.00	393.00	0.5290
290718	393.00	394.00	0.0025
290719	394.00	395.00	0.0025
290721	395.00	395.50	0.0110
290722	395.50	396.00	2.7000
290723	396.00	397.00	0.0290
290724	397.00	397.50	0.1480
290725	397.50	398.00	0.0050
290726	400.00	400.50	0.0025
290727	400.50	401.00	7.3900
290728	401.00	402.00	0.1220
290729	402.00	402.50	0.0025
290730	402.50	403.00	0.0150
290731	403.00	404.00	0.0025
290732	404.00	405.00	0.0080
290733	405.00	406.00	0.0070
290734	406.00	406.50	0.0025
290735	406.50	407.00	0.0060
290736	411.00	411.50	0.0210
290737	411.50	412.00	0.2450
290738	412.00	412.50	0.0190
290739	412.50	413.00	0.0025
290741	413.00	414.00	0.0520
290742	414.00	415.00	0.0025
290743	415.00	416.00	0.0300
290744	416.00	416.50	0.2460
290745	416.50	417.00	0.0080
290746	420.00	420.50	0.0070

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290747	420.50	421.00	0.0070
290748	421.00	422.00	0.0080
290749	422.00	422.50	0.4920
290750	422.50	423.00	0.0310
290751	427.00	428.00	0.0220
290752	428.00	428.50	0.3890
290753	428.50	429.00	0.0025
290754	429.00	430.00	0.0200
290755	430.00	431.00	0.0120
290756	431.00	432.00	0.0110
290757	432.00	432.50	0.0160
290758	432.50	433.00	0.0025
290759	433.00	433.50	0.0025
290761	433.50	434.00	0.0025
290762	434.00	435.00	0.0025
290763	435.00	436.00	0.0080
290764	436.00	437.00	0.0025
290765	437.00	438.00	0.1490
290766	442.00	443.00	0.0070
290767	443.00	443.50	0.4500
290768	443.50	444.00	0.0120
290769	459.00	460.00	0.0025
290770	460.00	460.50	0.0025
290771	460.50	461.00	0.0025
290772	486.00	487.00	0.0310
290773	487.00	487.70	0.0670
290774	487.70	488.50	0.0100
290775	488.50	489.00	0.0090
290776	501.00	502.00	0.0025
290777	502.00	503.00	0.0025
290778	503.00	503.50	0.0210
290779	503.50	504.00	0.0160
290781	504.00	504.50	0.0140
290782	504.50	505.00	0.0025
290783	505.00	505.50	0.1690
290784	505.50	506.00	0.0320
290785	506.00	506.50	0.0540
290786	506.50	507.00	0.1360
290787	507.00	508.00	0.1120

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290788	508.00	509.00	0.0100
290789	509.00	509.50	0.0360
290790	509.50	510.00	0.0025
290791	510.00	510.50	0.0025
290792	510.50	511.00	0.0025
290793	511.00	512.00	0.0025
290794	512.00	513.00	0.0025
290795	513.00	513.50	0.0025
290796	513.50	514.00	0.0025
290797	514.00	514.50	0.0050
290798	514.50	515.00	0.0025
290799	522.50	523.00	0.0140
290801	523.00	523.50	0.5940
290802	523.50	524.50	0.0120
290803	532.50	533.00	0.0025
290804	533.00	533.50	0.0100
290805	533.50	534.00	0.0070
290806	534.00	535.00	0.0060
290807	535.00	536.00	0.0025
290808	536.00	536.50	0.0710
290809	536.50	537.00	0.0140
290810	549.60	550.00	0.0130
290811	550.00	550.50	0.0100
290812	550.50	551.20	0.0060
290813	551.20	552.00	0.0200
290814	552.00	553.00	0.1450
290815	553.00	554.00	0.0380
290816	554.00	555.00	0.0060
290817	555.00	556.00	0.0025
290818	556.00	557.00	0.0050
290819	557.00	557.50	0.0700
290821	557.50	558.00	0.0180
290822	558.00	559.00	0.0025
290823	566.20	567.00	0.0025
290824	567.00	568.00	0.0025
290825	568.00	569.00	0.0025
290826	569.00	570.00	0.0025
290827	570.00	571.00	0.0025
290828	571.00	571.90	0.0090

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290829	571.90	572.40	0.0080
290830	572.40	572.90	0.0550
290831	572.90	573.40	0.0180
290832	573.40	573.90	0.1040
290833	573.90	574.50	0.0025
290834	574.50	575.00	0.0025
290835	575.00	576.00	0.0025
290836	576.00	577.00	0.0060
290837	577.00	578.00	0.0025
290838	578.00	579.00	0.0025
290839	579.00	580.00	0.0025
290841	586.00	587.00	0.0025
290842	587.00	587.80	0.0025
290843	587.80	588.30	0.0200
290844	588.30	588.80	0.0120
290845	588.80	589.30	0.0100
290846	589.30	590.00	0.0130
290847	590.00	590.70	0.0080
290848	590.70	591.30	0.0025
290849	591.30	592.00	0.0025
290850	592.00	593.00	0.0025
290851	593.00	594.00	0.0025
290852	594.00	595.00	0.0080
290853	595.00	596.00	0.0025
290854	596.00	597.00	0.0025
290855	599.00	599.50	0.0025
290856	599.50	600.00	0.2430
290857	600.00	601.00	0.0130
290858	607.00	608.00	0.0025
290859	608.00	609.00	0.0025
290860	609.00	609.50	0.0025
290861	609.50	610.00	0.0025
290862	610.00	611.00	0.0050
290863	611.00	612.00	0.0080
290865	632.00	633.00	0.0580
290866	633.00	633.50	0.0160
290867	633.50	634.00	0.0050
290868	634.00	634.50	0.0060
290869	634.50	635.00	0.0190

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290870	635.00	635.50	0.0260
290871	635.50	636.00	0.0050
290872	636.00	636.50	0.0025
290873	636.50	637.00	0.0025
290874	637.00	637.60	0.0025
290875	637.60	638.10	0.0090
290876	638.10	639.00	0.0090
290877	639.00	640.00	0.0025
290878	640.00	641.00	0.0025
290879	641.00	642.00	0.0025
290881	642.00	642.50	0.0025
290882	642.50	643.00	0.0900
290883	643.00	644.00	0.0060
290884	644.00	645.00	0.0025
290885	645.00	646.00	0.0025
290886	646.00	647.00	0.0025
290887	647.00	648.00	0.0025
290888	648.00	648.50	0.0025
290889	648.50	649.00	0.0025
290890	649.00	649.50	0.0025
290891	649.50	650.00	0.0025
290892	650.00	650.50	0.0050
290893	650.50	651.00	0.0025
290894	651.00	652.00	0.0025
290895	661.00	662.00	0.0025
290896	662.00	662.50	0.0025
290897	662.50	663.20	0.0025
290898	663.20	664.00	0.0110
290899	664.00	664.50	0.0600
290901	664.50	665.10	0.5470
290902	665.10	666.00	0.0025
290903	672.70	673.20	0.0025
290904	673.20	674.00	0.0025
290905	674.00	675.00	0.0025
290906	678.00	679.00	0.0025
290907	679.00	680.00	0.0025
290908	687.00	688.00	0.0025
290909	688.00	688.50	0.0080
290910	688.50	689.00	0.0025

Hole Number: **CAR-20-08**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290911	689.00	690.00	0.0025
290912	697.00	697.50	0.0025
290913	697.50	698.00	0.0025
290914	698.00	699.00	0.0025
290915	708.00	708.90	0.0025
290916	708.90	709.40	0.0590
290917	709.40	709.90	0.2520
290918	709.90	710.40	0.1230
290919	710.40	710.70	0.0560
290921	710.70	711.50	0.0025
290922	711.50	712.00	0.0025
290923	712.00	713.00	0.0025
290924	713.00	714.00	0.0050
290925	714.00	715.00	0.0025
290926	715.00	716.00	0.0050
290927	724.00	725.00	0.0130
290928	725.00	726.00	0.0025
290929	726.00	727.00	0.0025
290930	727.00	728.00	0.0060
290931	728.00	729.00	0.0080
Sample Type ICP			
KL015012	4.00	4.50	
KL015013	32.50	33.00	
KL015014	99.00	99.50	

DETAILED LOG

Hole Number: **CAR-20-09**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5357878.00	North: 34842.70	Collar Az: 240.00
Location: Carscallen Township	East: 452027.00	East: -129528.53	Length: 93.00
	Elev: 342.00	Elev: 5042.00	Start Depth: 0.00
Date Started: Nov 08, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Nov 09, 2020	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 93.00

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-60.00	EZ Sho	OK		18.00	240.30	-58.30	EZ Sho	OK	
69.00	240.20	-58.30	EZ Sho	OK		93.00	240.40	-58.30	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	5.50	OVB, MELKIOR - Overburden					
5.50	22.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, slightly potassic dark grey to slightly pinkish hue, glomeroporphyritic, interstitial plag, qtz, hornblende with carbonatization and slightly potassic alteration, locally pitted core, approx 2 to 3% subhedral and blebby py locd along chloritic fractures	290932	8.00	9.00	1.00	0.02
			290933	9.00	10.00	1.00	0.01
			290934	18.00	19.00	1.00	0.00
			290935	19.00	20.00	1.00	0.00
			290936	20.00	21.00	1.00	0.00
22.70	50.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, glomeroporohyritic, interstitial epidotitic plag, qtz and hornblende, scattered chloritic clasts, localized slightly ppotassic sections with blue qtz eyes, tr sul, @ 44.0 7 cm qtz-tour vn perp to CA, tr sul	290937	50.00	50.50	0.50	0.00
50.50	53.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, from 50.5 to 51.5 approx 6 to 7% subhedral clusters of py occurring along carbonate fractures subparallel to CA, unit mottled with patchy leucoxene, gradational HW and FW ct' perpendicular to CA	290938	50.50	51.00	0.50	0.01
			290939	51.00	51.50	0.50	0.05
			290941	51.50	52.00	0.50	0.09
			290942	52.00	53.00	1.00	0.12
			290943	53.00	53.50	0.50	0.01
53.50	71.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, glomeroporohyritic, interstitial epidotitic plag, qtz and hornblende, from 59.92 to 60.03 11 cm qtz-chl vn perp to CA, tr sul, from 64.43 to 64.60, 7 cm pinkish qtz-cal vn 70 DTCA, tr sul					
71.30	73.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, approx 2 to 3% diss and scattered subhedral py, gradational HW and FW ct' perp to CA,	290944	71.30	72.00	0.70	0.00
			290945	72.00	72.50	0.50	0.00
			290946	72.50	73.20	0.70	0.00

Hole Number: **CAR-20-09**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
73.20	80.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, glomeroporohyritic, interstitial epidotitic plag, qtz and hornblende, tr sul, scattered dark green chloritic clasts up to 12 cm					
80.40	82.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, approx 2 to 3% diss and scattered subhedral py, @ 80.7 3 cm carb vnt @ 40 DTCA with 3 to 4% subhedral py	290947	80.40	81.00	0.60	0.02
			290948	81.00	82.00	1.00	0.01
			290949	82.00	82.50	0.50	0.00
82.50	93.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, glomeroporohyritic, interstitial epidotitic plag, qtz and hornblende, 83.9 to 84.1 grey carbonatized zone with 3 to 4% subhedral py clustered around contorted 1 cm cb vnt @ 60 DTCA, EOH @ 93.0 meters due to 2 degree dip deflection	290951	82.50	83.00	0.50	0.00
			290952	83.00	83.90	0.90	0.00
			290953	83.90	84.50	0.60	0.02
			290954	84.50	85.00	0.50	0.00

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290932	8.00	9.00	0.0200
290933	9.00	10.00	0.0090
290934	18.00	19.00	0.0025
290935	19.00	20.00	0.0025
290936	20.00	21.00	0.0025
290937	50.00	50.50	0.0025
290938	50.50	51.00	0.0090
290939	51.00	51.50	0.0540
290941	51.50	52.00	0.0910
290942	52.00	53.00	0.1160
290943	53.00	53.50	0.0050
290944	71.30	72.00	0.0025
290945	72.00	72.50	0.0025
290946	72.50	73.20	0.0025
290947	80.40	81.00	0.0220
290948	81.00	82.00	0.0130
290949	82.00	82.50	0.0025
290951	82.50	83.00	0.0025
290952	83.00	83.90	0.0025
290953	83.90	84.50	0.0160
290954	84.50	85.00	0.0025

DETAILED LOG

Hole Number: **CAR-20-09A**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -62.00
Project Number: MELKIOR	North: 5357878.00	North: 34842.70	Collar Az: 240.00
Location: Carscallen Township	East: 452027.00	East: -129528.53	Length: 18.00
	Elev: 342.00	Elev: 5042.00	Start Depth: 0.00
Date Started: Nov 08, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed:	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 18.00

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-62.00	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	5.00	OVB, MELKIOR - Overburden					
5.00	18.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, silicified and locally potassic with pinkish hue, from 9.8 to 10.10, approx 25 to 30% clusters of subhedral py, @ 9.85 cluster of specks of vg within py, EOH @ 18.0 meters due to azimuth deflection of 4 degrees	290955	5.00	6.00	1.00	0.00
			290956	6.00	7.00	1.00	0.00
			290957	7.00	8.00	1.00	0.01
			290958	8.00	9.00	1.00	0.01
			290959	9.00	9.80	0.80	0.01
			290960	9.80	10.30	0.50	1.90
			290961	10.30	11.00	0.70	0.14
			290962	11.00	12.00	1.00	0.04
			290963	12.00	13.00	1.00	0.00
			290964	13.00	14.00	1.00	0.00
			290965	14.00	15.00	1.00	0.00
			290966	15.00	16.00	1.00	0.00

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290955	5.00	6.00	0.0025
290956	6.00	7.00	0.0025
290957	7.00	8.00	0.0080
290958	8.00	9.00	0.0080
290959	9.00	9.80	0.0090
290960	9.80	10.30	1.9000
290961	10.30	11.00	0.1390

Hole Number: **CAR-20-09A**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290962	11.00	12.00	0.0390
290963	12.00	13.00	0.0025
290964	13.00	14.00	0.0025
290965	14.00	15.00	0.0025
290966	15.00	16.00	0.0025

DETAILED LOGHole Number: **CAR-20-09B**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -62.00
Project Number: MELKIOR	North: 5357874.57	North: 34839.49	Collar Az: 240.00
Location: Carscallen Township	East: 452026.72	East: -129529.78	Length: 804.00
	Elev: 327.98	Elev: 5027.98	Start Depth: 0.00
Date Started: Nov 11, 2020	Collar Survey: N	Plugged: N	Contractor:
Date Completed: Nov 25, 2020	Multishot Survey: N	Hole Size: NQ	Final Depth: 804.00
	Pulse EM Survey: N	Casing: YES	Core Storage: Carscallen

Comments: Drill Hole: CAR-20-9B was renamed to: CAR-20-09B through Fusion Client by admin on 12/3/2020 09:49:38

Sample Averages**Survey Data**

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-62.00	EZ Sho	OK		18.00	237.40	-62.90	EZ Sho	OK	
69.00	238.40	-63.00	EZ Sho	OK		120.00	239.00	-62.80	EZ Sho	OK	
171.00	240.60	-62.40	EZ Sho	OK		222.00	240.00	-62.20	EZ Sho	OK	
273.00	239.60	-62.10	EZ Sho	OK		324.00	242.00	-61.60	EZ Sho	OK	
375.00	239.80	-61.60	EZ Sho	OK		425.00	241.80	-61.50	EZ Sho	OK	
528.00	241.80	-60.90	EZ Sho	OK		579.00	239.60	-60.60	EZ Sho	OK	
630.00	238.10	-60.20	EZ Sho	OK		732.00	241.60	-59.10	EZ Sho	OK	
783.00	243.10	-58.50	EZ Sho	OK		804.00	241.30	-58.50	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	5.10	OVB, MELKIOR - Overburden					

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
5.10	26.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, variably pinkish hue, predominantly carbonatized, locally potassic, locally silicified and slightly sericitic @ 11.5 4 cm sulphidic zone comprised of 30 to 35% cluster of subhedral py locd within chloritic, carbonatized fracture, approx 8 to 10% coarse grained asp, @ 11.7 approx 30 to 35% cluster of subhedral py aligned @ 40 DTCA, @ 12.3 approx 25 to 30% subhedral py @ 40 DTCA, FROM 12.5 TO 13.5 approx 10 to 12% scattered subhedral py throughout more silicified sec,	290967	5.10	6.00	0.90	0.00
			290968	6.00	7.00	1.00	0.01
			290969	7.00	8.00	1.00	0.01
			290971	8.00	9.00	1.00	0.01
			290972	9.00	9.50	0.50	0.00
			290973	9.50	10.00	0.50	0.03
			290974	10.00	10.50	0.50	0.01
			290975	10.50	11.00	0.50	0.01
			290976	11.00	11.40	0.40	0.01
			290977	11.40	12.00	0.60	1.50
			290978	12.00	12.50	0.50	0.26
			290979	12.50	13.00	0.50	0.03
			290980	13.00	13.50	0.50	0.01
			290981	13.50	14.00	0.50	0.02
			290982	14.00	15.00	1.00	0.00
			290983	15.00	16.00	1.00	0.01
			290984	16.00	17.00	1.00	0.00
			290985	17.00	18.00	1.00	0.01
			290986	18.00	19.00	1.00	0.01
			290987	19.00	20.00	1.00	0.01
			290988	20.00	21.00	1.00	0.01
			290989	21.00	22.00	1.00	0.01
			290990	22.00	23.00	1.00	0.01
			290991	23.00	24.00	1.00	0.00
			290992	24.00	25.00	1.00	0.00
26.00	38.35	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, @ 35.15, 4 cm qtz-chl vn @ 70 DTCA, tr sul, from 37 to 38 3 3 cm qtz-tour vnt' @ 70 to 80 DTCA, tr py, gradational FW ct perp to CA					
38.35	39.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, medium grained predominatly carbonatized, approx 1 to 2% diss py					
39.30	54.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue from 42.0 to 44.0 meters, from 44.62 to 44.82 20 cm qtz-chl vn perpendicular to CA, tr sul, @ 44.6 6 cm qtz-chl vn @ 70 DTCA, tr sul	290994	44.00	44.50	0.50	0.00
			290995	44.50	45.00	0.50	0.00
			290996	45.00	45.50	0.50	0.00
			290997	45.50	46.00	0.50	0.00

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
54.30	69.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, medium grained predominatly carbonatized, approx 1 to 2% diss py, blue qtz eyes throughout, @ 56.44 3 cm sheared qtz-carb vnt @ 60 DTCA with 3 to 4% subhedral py locd along vnt ct', @ 57.4 3 cm qtz-carb vnt with 2 to 3% subhedral py @ 60 DTCA, @ 57.36 1 cm chl fracture @ 40 DTCA infilled with massive py, @ 54.6 2 cm cb vnt @ 30 DTCA with 1 to 2% subhedral py, gradational ct	290998	54.30	55.00	0.70	0.01
			290999	55.00	56.00	1.00	0.01
			291000	56.00	56.50	0.50	0.01
			291001	56.50	57.00	0.50	0.03
			291002	57.00	57.50	0.50	0.00
			291003	57.50	58.00	0.50	0.00
			291004	58.00	59.00	1.00	0.00
			291005	59.00	59.50	0.50	0.00
			291006	59.50	60.00	0.50	0.00
			291007	66.00	67.00	1.00	0.00
			291008	67.00	68.00	1.00	0.00
			291009	68.00	69.00	1.00	0.00
69.30	95.35	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue from 60.0 to 64.50, from 67 to 68.0 abundant cb vnt' @ 60 DTCA with 1 to 2% subhedral py locd along sts, from 84.4 to 84.8 carbonatized grey zone with 2 3 cm qtz-carb vnt'' @ 84.4 meters with 2 to 3% subhedral py, from 86.68 to 86.83 15 cm qtz-chl vn @ 70 DTCA, tr py, 94.42 to 94.48 6 cm qtz-tourmaline vn perpendicular to CA, tr py	291010	84.00	84.50	0.50	0.01
			291011	84.50	85.00	0.50	0.00
95.35	98.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt' 1 to 2cm in width approx 2 to 3% diss and subhedral py locd along cb sts' @ 40 to 50 DTCA	291013	95.35	96.00	0.65	0.02
			291014	96.00	96.50	0.50	0.02
			291015	96.50	97.00	0.50	0.01
			291016	97.00	97.50	0.50	0.01
			291017	97.50	98.00	0.50	0.02
			291018	98.00	98.50	0.50	0.01
98.50	108.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue, FROM 101.0 TO 102.2 dark grey carbonatized zone para to CA and following chloritic microfractures infilled with chlorite with approx 3 to 4% subhedral py, from 106.9 to 107.3 grey carbonatized zone with 1 cm cb sts @ 107.0 @ 40 DTCA with 2 to 3% subhedral py	291019	98.50	99.00	0.50	0.01
			291020	101.00	101.50	0.50	0.01
			291021	101.50	102.00	0.50	0.01
			291022	102.00	102.50	0.50	0.01
			291023	106.90	107.40	0.50	0.02
			291024	107.40	108.00	0.60	0.01
			291025	108.00	108.80	0.80	0.00
108.80	111.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt' 1 to 2 cm in width approx 1 to 2% diss and subhedral py locd along cb sts' @ 40 to 50 DTCA	291026	108.80	109.30	0.50	0.08
			291027	109.30	110.00	0.70	0.03
			291028	110.00	110.50	0.50	0.02
			291029	110.50	111.00	0.50	0.02
			291031	111.00	111.50	0.50	0.01
111.50	119.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue					
119.10	123.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, predominantly potassic, weakly hematitic, slightly epidotitic, glomeroporphyritic, interstitial potassic altered plag, qtz and hornblende, tr sul, gradational FW ct					

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
123.00	126.90	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, tr sul	291032	126.50	127.00	0.50	0.00
126.90	131.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt' 1 to 2 cm in width approx 1 to 2% diss and subhedral py locd along cb sts' @ 40 to 50 DTCA	291033	127.00	127.50	0.50	0.01
			291034	127.50	128.00	0.50	0.01
			291035	128.00	129.00	1.00	0.00
			291036	129.00	130.00	1.00	0.01
			291037	130.00	130.50	0.50	0.00
			291038	130.50	131.20	0.70	0.01
131.20	137.60	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, tr sul, from 134.4 to 135.7 carbonatized grey zone with 1 to 2% scattered subhedral py					
137.60	139.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', approx 2 to 3% scattered subhedral py xl'	291039	137.60	138.10	0.50	0.02
			291040	138.10	138.60	0.50	0.01
			291041	138.60	139.20	0.60	0.01
139.30	142.00	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, tr sul,					
142.00	144.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', @ 143.0 3 cm qz vnt @ 40 DTCA with 2 to 3% subhedral py locd along vn ct'	291042	142.00	142.50	0.50	0.01
			291043	142.50	143.00	0.50	0.01
			291044	143.00	143.50	0.50	0.01
			291045	143.50	144.20	0.70	0.02
144.20	161.35	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, predominantly potassic, weakly hematitic, slightly epidotitic, glomeroporphyritic, interstitial potassic altered plag, qtz and hornblende, from 153 to 156, pinkish greenish hue, approx 35% plag, tr sul, from 157.3 to 161.0 slightly darker grey with pinkish hue, slightly carbonatized with approx 3 to 4% scattered subhedral py xl' throughout section	291046	157.30	158.00	0.70	0.00
			291047	158.00	159.00	1.00	0.00
			291048	159.00	160.00	1.00	0.00
			291049	160.00	161.00	1.00	0.01
161.35	168.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue notably from 168.0 to 168.8, @ 168.4 4 cm qtz-tour vn perp to CA, tr sul	291051	168.00	168.80	0.80	0.01
168.80	171.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to pinkish hue, carbonatized, potassic, medium grained, blue qtz eyes, @ 169.3 approx 10 to 12% patchy cpy, approx 1 to 2% diss py throughout with scattered cb sts @ 30 to 60 DTCA	291052	168.80	169.50	0.70	0.64
			291053	169.50	170.00	0.50	0.01
			291054	170.00	171.00	1.00	0.04
			291055	171.00	171.80	0.80	0.02
171.80	186.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue notably from 179.7 to 182.3, from 180.2 to 180.5 4 cm qv para to CA with 10 to 12% specular hematite, approx 1 to 2% diss py, @ 181.4 3 cm grey qv @ 70 DTCA with 1 to 2% subhedral py abutting 5 cm white qv para to CA with 3 to 4% specular hematite	291056	179.70	180.20	0.50	0.03
			291057	180.20	181.00	0.80	0.00
			291058	181.00	181.50	0.50	0.00
			291059	181.50	182.30	0.80	0.00
			291060	185.80	186.40	0.60	0.01

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
186.40	188.45	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to pinkish hue, carbonatized, potassic, medium grained, blue qtz eyes, @ 187.5 3 cm qz-chl vnt @ 40 DTCA with 3 to 4% subhedral py and hematite	291061	186.40	187.00	0.60	0.01
			291062	187.00	187.50	0.50	0.03
			291063	187.50	188.00	0.50	0.00
			291064	188.00	188.45	0.45	0.01
188.45	190.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue	291065	190.00	190.50	0.50	0.01
190.50	191.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to pinkish hue, carbonatized, potassic, medium grained, blue qtz eyes, from 190.7 to 190.8 2 2 cm pink qtz vnt' @ 40 DTCA with microfracture subparallel to CA offsetting vnt', approx 1 to 2% diss py, @ 191.8 2 cm cb vnt @ 25 DTCA with 2 to 3% subhedral py, reddish hematitic staining	291066	190.50	191.00	0.50	0.01
			291067	191.00	191.90	0.90	0.01
191.90	200.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, slightly potassic with pinkish hue, @ 194.75 5 cm qtz-chlorite vn @ 70 DTCA, tr sul	291068	199.00	200.00	1.00	0.00
200.00	201.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', @ 200.3 7 cm grey qv @ 50 DTCA with 6 to 7% subhedral py and 2 to 3% subhedral asp, @ 200.75 3 cm grey qv @ 60 DTCA with 2 to 3% subhedral py, @ 201.0 3 cm grey qv @ 60 DTCA with 1 to 2% subhedral py	291069	200.00	200.50	0.50	0.51
			291071	200.50	201.30	0.80	0.09
201.30	207.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, tr sul	291072	201.30	202.00	0.70	0.00
207.20	208.40	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, blue qtz eyes, 1 to 2% scattered subhedral py	291073	207.20	207.90	0.70	0.00
			291074	207.90	208.40	0.50	0.00
208.40	216.70	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, fine grained, siliceous, slightly sericitic, massive, homogeneous, speckled with chlorite phenocrysts, chloritic microfractures subparallel to CA, approx 2 to 3% scattered clots of subhedral py, shp HW and FW ct' @ 70 and 50 DTCA respectively	291075	208.40	209.00	0.60	0.00
			291076	209.00	210.00	1.00	0.01
			291077	210.00	211.00	1.00	0.02
			291078	211.00	212.00	1.00	0.01
			291079	212.00	213.00	1.00	0.05
			291080	213.00	214.00	1.00	0.00
			291081	214.00	215.00	1.00	0.01
			291082	215.00	216.00	1.00	0.00
			291083	216.00	216.70	0.70	0.00
216.70	219.30	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, blue qtz eyes, scattered 1 cm cb sts @ 50 to 70 DTCA, approx 1 to 2% scattered subhedral py xl'	291084	216.70	217.20	0.50	0.00
			291085	217.20	218.00	0.80	0.01
			291086	218.00	219.00	1.00	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
219.30	247.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, tr sul, unit punctuated with narrow carbonatized grey zones with cb sts, blue qtz eyes and approx 1 to 2% diss and subhedral py notably from 221.5 to 222.0, 224.9 to 225.15 and 230.65 to 231.2, @ 231.2 16 cm white qv with chl and hematitic staining @ ct' @ 70 DTCA, approx 2 to 3% patchy cpy locd at vn FW ct, @ 237.05 10 cm grey zone with 1 cm cb stringer @ 60 DTCA with 2 to 3% brassy subhedral py, @ 243.5 and 24.3 2 8 cm pink hematitic felsic dykes @ 70 DTCA, approx 1 to 2% diss py, from 244.8 to 245.4 2 15 cm "grey zones" with blue qtz eyes, crbonatization and 2 to 3% scattered subhedral py, zones at 60 and 40 DTCA respectively, gradational FW ct perp to CA	291087	221.00	221.50	0.50	0.01
			291088	221.50	222.00	0.50	0.03
			291089	224.00	225.00	1.00	0.01
			291091	225.00	225.50	0.50	0.01
			291092	230.00	230.50	0.50	0.01
			291093	230.50	231.00	0.50	0.01
			291094	231.00	231.50	0.50	0.00
			291095	231.50	232.10	0.60	0.01
			291096	232.10	232.50	0.40	0.02
			291097	232.50	233.00	0.50	0.01
			291098	236.50	237.00	0.50	0.01
			291099	237.00	237.50	0.50	0.01
			291100	243.00	243.50	0.50	0.01
			291101	243.50	244.00	0.50	0.02
			291102	244.00	244.80	0.80	0.01
			291103	244.80	245.40	0.60	0.01
			291104	245.40	246.00	0.60	0.01
			291105	246.00	247.00	1.00	0.01
			291106	247.00	247.50	0.50	0.01
247.50	249.30	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende, sausseritization, blue qtz eyes, @ 248.1 7 cm carb-qtz vn @ 70 DTCA with 1 to 2% subhedral py, @249.1 4 cm cb vnt @ 70 DTCA, approx 3 to 4% subhedral py locd along QFP HW ct, @ 249.6 6 cm white qv @ 80 DTCA, tr sul, from 249.7 to 249.9 microfracture para to CA, infilled with chl and approx 4 to 5% subhedral py, from 262.5 to 262.9 silicified GRD with shp HW and FW ct' @ 60 and 50 DTCA respectively, from 263.2 to 263.35 15 cm granodioritic clast with 8 to 10% cluster of subhedral py, shp FW ct @ 50 DTCA	291107	247.50	248.50	1.00	0.03
			291108	248.50	249.30	0.80	0.02
249.30	265.20	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, fine grained, siliceous, slightly sericitic, massive, homogeneous, speckled with chlorite phenocrysts, SAA,	291109	249.30	250.00	0.70	0.01
			291110	250.00	251.00	1.00	0.01
			291111	262.00	262.50	0.50	0.00
			291112	262.50	263.00	0.50	0.01
			291114	263.00	263.50	0.50	0.00
			291115	263.50	264.00	0.50	0.00
			291116	264.00	264.50	0.50	0.01
			291117	264.50	265.20	0.70	0.00
265.20	268.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, medium grained, carbonatized, silicified admixture of cb/sil GRD, abundant blue qtz eyes, chlorite infilled microfractures, approx 1 to 2% diss py	291118	265.20	266.00	0.80	0.01
			291119	266.00	267.00	1.00	0.01
			291120	267.00	268.00	1.00	0.01
			291121	268.00	268.70	0.70	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
268.70	279.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, predominantly potassic, slightly hematitic, localized epidotitic sections notably from 273.0 to 274.0, localized fractured intervals notably from 271.4 to 271.5 and 275.0 to 276.0 with fractures subparallel to CA, fractured section possesses approx 1 to 2% subhedral py and 1 to 2% patchy cpy	291122	274.00	275.00	1.00	0.02
			291123	275.00	276.00	1.00	0.01
279.00	286.30	GRD_CB, Granodiorite - Carbonatized (Melkior) ark grey, medium grained, carbonatized, silicified admixture of cb/sil GRD, abundant blue qtz eyes, chlorite infilled microfractures, @ 282.0 unit grades into coarser grained GRD mottled with white carbonate flakes, approx 1 to 2% diss py	291124	279.00	280.00	1.00	0.01
			291125	280.00	281.00	1.00	0.36
			291126	281.00	282.00	1.00	0.01
286.30	296.30	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue predominantly potassic but stronger pervasive hematitic alteration, unit mottled with white carbonate flakes, tr sul	291127	296.00	296.50	0.50	0.00
296.30	303.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende, grading to pinkish potassic zone from 300.6 to 303.1 m @ 297.0 20 cm "grey zone" with 14 cm qv @ 70 DTCA with 6 to 7% subhedral clusters of py and 2 to 3% patchy cpy	291128	296.50	297.00	0.50	0.01
			291129	297.00	297.50	0.50	0.04
			291131	297.50	298.00	0.50	0.00
			291132	302.50	303.10	0.60	0.01
303.10	306.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', carbonatized, silicified admixture of cb/sil GRD, abundant blue qtz eyes, chlorite infilled microfractures, approx 3 to 45 diss and scattered blebby subhedral py throughout	291133	303.10	304.00	0.90	0.00
			291134	304.00	305.00	1.00	0.01
			291135	305.00	306.00	1.00	0.01
			291136	306.00	306.60	0.60	0.01
306.60	308.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende tr sul, locd grey zone from 307.5 to 307.7 with 1 cm cb stringer @ 60 DTCA and 2 to 3% subhedral py clusters	291137	306.60	307.50	0.90	0.00
			291138	307.50	308.00	0.50	0.01
			291139	308.00	308.50	0.50	0.00
308.50	311.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', approx 5 to 6% scattered subhedral clusters of py throughout unit, @ 311.6 3 cm pink qtz-calcite vnt @ 40 DTCA with 4 to 5% subhedral py locd along vnt ct', shp FW ct @ 60 DTCA	291140	308.50	309.00	0.50	0.01
			291141	309.00	309.50	0.50	0.01
			291142	309.50	310.00	0.50	0.01
			291143	310.00	310.50	0.50	0.01
			291144	310.50	311.00	0.50	0.03
			291145	311.00	311.50	0.50	0.01
			291146	311.50	312.40	0.90	0.01
311.80	312.40	QFP, QUARTZ FELDSPAR PORPHYRY buff to creamy white, aphanitic, silicified, sericitic, massive, homogeneous, approx 1 to 2% diss py					
312.40	318.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, glomeroporphyritic, interstitial epidotized, plag, qtz, hornblende,					
318.10	320.20	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, fine grained, siliceous, slightly sericitic, massive, homogeneous, speckled with chlorite phenocrysts, approx 3 to 4% diss and subhedral py	291147	318.10	318.50	0.40	0.02
			291148	318.50	319.00	0.50	0.02
			291149	319.00	319.50	0.50	0.02
			291151	319.50	320.20	0.70	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
320.20	330.20	GRD_SIL, Granodiorite - Silicified (Melkior) creamy hue, silicified, weakly potassic and epidotitic, glomeroporphyritic, interstitial plag, qtz and hornblende	291152	320.20	321.00	0.80	0.00
			291153	321.00	321.90	0.90	0.00
			291154	321.90	322.50	0.60	0.01
			291155	322.50	323.00	0.50	0.00
			291156	323.00	323.50	0.50	0.00
			291157	323.50	324.00	0.50	0.00
			291158	324.00	324.50	0.50	0.41
			291159	324.50	325.00	0.50	0.05
			291160	325.00	325.50	0.50	0.01
			291161	325.50	326.00	0.50	0.00
			291162	326.00	327.00	1.00	0.00
			291163	327.00	328.00	1.00	0.00
			291164	328.00	328.50	0.50	0.01
			291165	328.50	329.10	0.60	0.04
			291166	329.10	329.60	0.50	0.03
			291167	329.60	330.20	0.60	0.03
330.20	339.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, medium grained, blue qtz eyes, scattered carb sts and vnt', approx 5 to 6% scattered subhedral clusters of py throughout unit, from 336.8 to 337.5 faulted core with crumbled fractured sections, fractures @ 20 DTCA	291168	330.20	330.70	0.50	0.02
			291169	330.70	331.30	0.60	0.04
			291171	331.30	332.00	0.70	0.06
			291172	332.00	333.00	1.00	0.06
			291173	333.00	334.00	1.00	0.02
			291174	334.00	335.00	1.00	0.10
339.10	408.60	BaP, Melkior - Pillow Basalt dark green, fine grained, predominantly chloritic with bleached sericitized sections, occasional chloritized relic pillow selvages, locd brecciated hyaloclastite, from 339.1 to 352.0 scattered granodioritic clasts and xenoliths up to 60 cm in width, @ 348.6 10 cm patch of 20 to 25% subhedral and diss py, @ 350.2 10 cm cluster of 20 to 25% subhedral py xl' locd along 20 cm granodioritic clast, @ 354.1 3 cm qtz vnt perp to CA with specular hematite, @ 357.5 clots of subhedral py, approx 2 to 3%, from 354 to 369, scattered brecciated hyaloclastite, quench textures, localized varioles, rare pillow selvages@ 30 DTCA, tr sul, from 372.0 to 389.0 more bleached sericitized section, pepperitic texture with chloritic vesicles, quench textures, scattered qtz-carb vnt' and sts @ 40 to 50 DTCA, tr sul, from 389.0 to 403.0, from 398.0 to 40.0, approx 5 to 6% subhedral py occurring along cb sts @ 30 DTCA and along chloritic microfractures subparallel to CA, @ 404.3 4 cm qtz-chl vn @ 30 DTCA, tr sul, fractured FW ct @ 50 DTCA	291175	345.00	346.00	1.00	0.00
			291176	346.00	347.00	1.00	0.00
			291177	347.00	348.00	1.00	0.00
			291178	348.00	348.50	0.50	0.00
			291179	348.50	349.00	0.50	0.01
			291180	349.00	350.00	1.00	0.00
			291181	350.00	350.50	0.50	0.02
			291182	350.50	351.00	0.50	0.00
			291183	351.00	352.00	1.00	0.00
			291184	356.50	357.00	0.50	0.00
			291185	357.00	357.50	0.50	0.01
			291186	357.50	358.00	0.50	0.00
			291187	398.00	398.50	0.50	0.06
			291188	398.50	399.00	0.50	0.03
			291189	399.00	399.50	0.50	0.01
			291191	399.50	400.00	0.50	0.00
			291192	400.00	400.50	0.50	0.00
			291193	400.50	401.00	0.50	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
408.60	432.30	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, massive, homogeneous, siliceous, slightly chloritic, mottled with sericitized plagioclase clasts throughout, moderately fractured and brittle with fractures subparallel to CA, tr sul, shp FW ct para to CA					
432.30	471.40	BaP, Melkior - Pillow Basalt dark green, fine grained, predominantly chloritic with bleached sericitized sections, occasional chloritized relic pillow selvages, locd brecciated hyaloclastite, from 438.0 to 454.0 scattered relic pillow selvages, localized pepperitic texture, scattered cb sts and vnt' @ 30 to 50 DTCA, fractured zone from 451.0 to 451.5 with fractures subparallel to CA, localized patch of subhedral py, 2 to 3% @ 450.3 meters, from 456.6 to 457.5 fractured faulted zone with fractures subparallel to CA, from 457.5 to 471.4 unit becomes more siliceous, possible andesite in composition, rare relic pillow selvages, from 468.0 to 471.4 approx 2 to 3% scattered euhedral xl' of py	291194	435.00	436.00	1.00	0.00
			291195	436.00	436.50	0.50	0.00
			291196	436.50	437.00	0.50	0.01
			291197	437.00	437.50	0.50	0.00
			291198	468.00	469.00	1.00	0.00
			291199	469.00	470.00	1.00	0.00
			291200	470.00	470.50	0.50	0.00
			291201	470.50	471.40	0.90	0.00
471.40	484.00	BaFBx, Melkior - Basalt Flow Breccia from 471.4 to 477.6 dark grey, siliceous, chloritic, carbonatized, moderately foliated with foliation @ 40 DTCA, approx 6 to 7% patchy semi-massive ribbons and bands of po occupying fracture fillings, 3 to 4% blebby py, from 472.6 to 472.8 patchy calcite, 472.8 to 473.0 approx 6 to 7% diss po, 2 to 3% diss py, from 473.6 to 474.6 approx 10 to 12% po occurring as semi-massive ribbons and bands subparallel to CA, from 477.6 to 484.0 fine grained, dark green to black, moderately foliated with foliation @ 30 DTCA, approx 20 to 25% po occurring as segregated semi-massive bands parallel to foliation, approx 12 to 15% blebby and patchy py notably from 482.0 to 483.0, strongly magnetite-rich, from 482.7 to 483.4 dark grey qz vn (possible cherty exhalite) @ 40 DTCA with chl infilled bands and 10 to 12% blebby py, and 8 to 10% banded po, shp FW ct perp to CA	291202	471.40	472.00	0.60	0.00
			291203	472.00	473.00	1.00	0.00
			291204	473.00	473.50	0.50	0.01
			291205	473.50	474.00	0.50	0.04
			291206	474.00	474.60	0.60	0.03
			291207	474.60	475.10	0.50	0.01
			291208	475.10	476.00	0.90	0.00
			291209	476.00	477.00	1.00	0.00
			291211	477.00	477.60	0.60	0.00
			291212	477.60	478.10	0.50	0.07
			291213	478.10	479.00	0.90	0.01
			291214	479.00	479.50	0.50	0.02
			291215	479.50	480.00	0.50	0.06
			291216	480.00	480.50	0.50	0.01
			291217	480.50	481.00	0.50	0.03
			291218	481.00	482.00	1.00	0.01
			291219	482.00	482.50	0.50	0.01
			291220	482.50	483.00	0.50	0.03
			291221	483.00	483.50	0.50	0.19
			291222	483.50	484.00	0.50	0.00
484.00	489.40	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, massive, homogeneous, siliceous, slightly chloritic, mottled with sericitized plagioclase clasts throughout, moderately fractured and brittle with fractures subparallel to CA, from 484.0 to 485.0 blocky fractured core, shp fw ct 50 DTCA, tr sul	291223	484.00	485.00	1.00	0.00
			291224	488.50	489.40	0.90	0.00

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
489.40	493.40	BaFBx, Melkior - Basalt Flow Breccia dark green to dark grey, fine grained, moderately foliated slightly sheared with foliation @ 30 DTCA, interbanded siliceous and chloritic bands, approx 8-10% banded po and 12 to 15% py occurring in segregated clusters aligned para to foliation, @ 489.5 5 cm dark grey qv @ 30 DTCA with 5 to 6% patchy sph, 2 to 3% patchy cpy and 10 to 12% semi-massive py, @ 489.8 approx 6 to 7% diss po, 2 to 3% cpy and 1 to 2% sph, @ 490.3 3 cm dark grey qv @ 30 DTCA with 4 to 5% diss po and 6 to 7% blebby py, shp FW ct @ 25 DTCA	291225	489.40	490.00	0.60	0.18
			291226	490.00	490.50	0.50	0.01
			291227	490.50	491.00	0.50	0.00
			291228	491.00	492.00	1.00	0.00
			291229	492.00	492.50	0.50	0.12
			291231	492.50	493.40	0.90	0.10
493.40	534.80	FV, Melkior - Felsic Volcanics light grey with predominantly siliceous to locally silicified sections, localied patchy sericite and blotchy pink calcite, abundant vesicles almost amygdaloidal in sections, vesicles chloritized with reaction rims, @ 505.0 12 cm patches of white calcite within dark green chloritic alteration with 10 to 12% subhedral aggregates of py and 3 to 4% clots of cpy, @ 522.2 4 cm qtz-chl vnt @ 20 DTCA within 40 cm fractyred faulted zone, tr sul	291232	493.40	494.00	0.60	0.00
			291233	501.00	502.00	1.00	0.00
			291234	502.00	502.50	0.50	0.00
			291235	502.50	503.00	0.50	0.06
			291236	503.00	504.00	1.00	0.01
			291237	504.00	505.00	1.00	0.00
			291238	505.00	505.50	0.50	0.04
			291239	505.50	506.00	0.50	0.00
			291240	506.00	507.00	1.00	0.00
			291241	515.00	516.00	1.00	0.00
			291242	516.00	516.50	0.50	0.00
			291243	516.50	517.00	0.50	0.00
			291244	517.00	518.00	1.00	0.00
			291245	521.00	522.00	1.00	0.02
			291246	522.00	523.00	1.00	0.01
			291247	528.00	529.00	1.00	0.00
			291248	529.00	530.00	1.00	0.00
			291249	530.00	531.00	1.00	0.00
			291251	531.00	532.00	1.00	0.00
			291252	532.00	533.00	1.00	0.00
			291253	533.00	534.00	1.00	0.00
			291254	534.00	534.50	0.50	0.31
			291255	534.50	535.00	0.50	1.45
534.80	537.50	BaFBx, Melkior - Basalt Flow Breccia light green, strongly brecciated and sheared with foliation parallel to CA, sericitic, chloritic with chlorite locd along fractures para to CA, patchy carbonate throughout, scattered mineralized vnt' with subhedral py, asp, @ 535.0 20 cm grey qv @ 40 DTCA with 4 to 5% subhedral py, 3 to 4% subhedral asp and 1 to 2% patchy sph, 2 536.0 3 cm grey qvnt subparallel to CA with 3 to 4% patchy sph, 1 to 2% asp and 3 to 4% subhedral py, 2 536.5 chloritic microfracture infilled with 4 to 5% subhedral asp, 4 to 5% subhedral py, 2 to 3% patchy cpy and 1 to 2% patchy sph, @ 536.9 5 cm dark grey qv @ 40 DTCA with 1 to 2% asp, 1 to 2% sph, 2 to 3% subhedral py, from 537.0 to 537.3 approx 12 to 15% clustered aggregates of cg py, 4 to 5% subhedral clusters of asp @ 537.0 meters,	291256	535.00	535.50	0.50	3.19
			291257	535.50	536.00	0.50	5.33
			291258	536.00	536.50	0.50	1.18
			291259	536.50	537.00	0.50	3.65
			291260	537.00	537.50	0.50	38.80

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
537.50	538.50	FZ, Fault Zone light green, fg, sericitic felsic volcanic, strongly fractured and crumbled core with fractures parallel to CA, approx 1 to 2% diss py	291261	537.50	538.50	1.00	0.82

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
538.50	611.20	FV, Melkior - Felsic Volcanics light grey, fg, siliceous, sericitic, locally chloritic, abundant vesicles throughout almost amygdaloidal in some patches, blocky somewhat brittle but well indurated, abundant qtz vnt' and sts hosting, py, po, sph, cpy, @ 544.4 3 cm qv @ 70 DTCA with approx 10 to 12% subhedral py, 1 to 2% subhedral asp, @ 544.6 5 cm grey qv @ 60 DTCA with 15 to 20% subhedral py, 3 to 4% patchy cpy, 2 to 3% sph and 1 to 2% asp, @ 553.4 4 cm approx 20 to 25% cluster of subhedral py, from 555 to 570.0 light grey, siliceous, seicitic vesicular to almost amygdaloidal in spots, pinkish lotcy calcite and/or potassic alteration, @ 555.6 2 cm qtz stringer @ 20 DTCA with 10 to 12% patchy sph, 3 to 4% subhedral asp, @ 555.9 3 cm qtz vnt @ 30 DTCA with 12 to 15% sph, 2 to 3% asp, 1 to 2% cpy, 5 to 6% subhedral py, @ 560.1 1 cm qtz stringer with 10 to 12% patchy honey coloured sph, 3 to 4% subhedral py, @ 567.4 3 cm qtz-carb vnt @ 70 DTCA with 8 to 10% subhedral py, 2 to 3% cpy and 1 to 2% sph, from 576 to 589 siliceous with patchy sericitic alteration, from 585 to 585.9 strongly vesicular with qtz vesicles surrounded by sericitized reaction rims, from 585.9 to 586.7 light grey QFP with shp ct' subparallel to CA, interstitial qtz, plag, chlorite, fg, massive, @ 588.9 9 cm dark grey qtz vn @ 70 DTCA with 8 to 10% patchy sph, 3 to 4% patchy cpy, 3 to 4% subhedral py and 5 to 6% diss po, from 591.0 to 606 light grey with variably pinkish hue due to potassic and/or calcitic alteration, wispy bands of epidotitic alteration, scattered qtz-carb stringers and veinlets @ 50 to 60 DTCA, tr sul, from 591 to 606 light pinkish grey hue with abundant patchy calcite and./o potassic ateration, siliceous, sericitic locally epidotitic patches, vesicular, approx 1 to 2% diss py locd along microfractures	291262	538.50	539.00	0.50	0.26
			291263	539.00	540.00	1.00	0.22
			291264	540.00	541.00	1.00	0.01
			291265	541.00	542.00	1.00	0.01
			291266	542.00	543.00	1.00	0.01
			291267	543.00	543.50	0.50	0.01
			291268	543.50	544.00	0.50	0.03
			291269	544.00	544.50	0.50	0.29
			291271	544.50	545.00	0.50	2.36
			291272	545.00	545.50	0.50	0.02
			291273	545.50	546.00	0.50	0.08
			291274	546.00	546.50	0.50	0.00
			291275	546.50	547.00	0.50	0.00
			291276	547.00	548.00	1.00	0.01
			291277	548.00	549.00	1.00	0.51
			291278	549.00	549.50	0.50	0.00
			291279	549.50	550.00	0.50	0.01
			291280	550.00	551.00	1.00	0.00
			291281	551.00	552.00	1.00	0.01
			291282	552.00	552.50	0.50	0.03
			291283	552.50	553.00	0.50	0.11
			291284	553.00	553.50	0.50	5.75
			291285	553.50	554.00	0.50	0.03
			291286	554.00	555.00	1.00	0.02
			291287	555.00	555.50	0.50	0.03
			291288	555.50	556.00	0.50	5.66
			291289	556.00	556.50	0.50	0.88
			291291	556.50	557.00	0.50	0.03
			291292	557.00	557.50	0.50	0.01
			291293	557.50	558.00	0.50	0.13
			291294	558.00	558.50	0.50	0.08
			291295	558.50	559.00	0.50	0.30
			291296	559.00	559.50	0.50	0.23
		291297	559.50	560.00	0.50	0.40	
		291298	560.00	561.00	1.00	0.01	
		291299	561.00	561.50	0.50	0.00	
		291300	561.50	562.00	0.50	0.00	
		291301	562.00	562.50	0.50	0.00	
		291302	562.50	563.00	0.50	0.00	
		291303	563.00	564.00	1.00	0.00	
		291304	564.00	564.50	0.50	0.01	
		291305	564.50	565.00	0.50	0.00	
		291306	565.00	565.50	0.50	0.00	

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
			291307	565.50	566.00	0.50	0.00
			291308	566.00	567.00	1.00	0.00
			291309	567.00	567.50	0.50	3.56
			291311	567.50	568.00	0.50	0.07
			291312	568.00	569.00	1.00	0.01
			291313	569.00	570.00	1.00	0.01
			291314	570.00	571.00	1.00	0.02
			291315	571.00	572.00	1.00	0.01
			291316	572.00	573.00	1.00	0.00
			291317	573.00	574.00	1.00	0.07
			291318	574.00	575.00	1.00	0.02
			291319	575.00	576.00	1.00	0.00
			291320	585.00	586.00	1.00	0.01
			291321	586.00	587.00	1.00	0.01
			291322	587.00	588.00	1.00	0.00
			291323	588.00	588.50	0.50	0.01
			291324	588.50	589.00	0.50	0.67
			291325	589.00	590.00	1.00	0.00
			291326	590.00	591.00	1.00	0.00
			291327	598.00	599.00	1.00	0.00
			291328	599.00	600.00	1.00	0.02
			291329	600.00	601.00	1.00	0.14
			291331	601.00	602.00	1.00	0.00
			291332	602.00	603.00	1.00	0.00
611.20	613.70	MI, Melkior - Mafic Intrusive dark grey, aphanitic, chloritic, slightly magnetic, massive, homogeneous, approx 1 to 2% diss py locd along microfractures, shp HW and FW ct' @ 50 and 80 DTCA,	291333	611.20	612.00	0.80	0.00
			291334	612.00	613.00	1.00	0.00
			291335	613.00	613.70	0.70	0.03
613.70	636.80	FV, Melkior - Felsic Volcanics light grey, locally pinkish hue with potassic and/or calcitic alteration, predominantly siliceous, locally sericitic patches, vesicular, unit becomes progressively more andesitic in composition, from 627.9 to 628.0 approx 10 to 12% cluster of subhedral py abutting 1 cm carb stringer @ 70 DTCA	291336	627.00	627.50	0.50	0.05
			291337	627.50	628.00	0.50	0.04
			291338	628.00	629.00	1.00	0.01
636.80	640.30	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, massive, homogeneous, scattered qtz -carb stringers oriented @ 60 DTCA, approx 1 o 2% diss py locd along qtz-car stringers	291339	639.00	639.80	0.80	0.01
			291340	639.80	640.30	0.50	0.00
640.30	649.30	FV, Melkior - Felsic Volcanics light grey to locally light green, fg, siliceous, locally sericitic, vesicular, slightly more chloritic grading to andesitic in composition, weakly foliated with foliation @ 30 DTCA, fractured faulted 10 cm FW ct @ 70 DTCA, tr sul	291341	640.30	641.00	0.70	0.00
			291342	641.00	642.00	1.00	0.00
649.30	657.00	BaP, Melkior - Pillow Basalt dark green, chloritic, fg, localized dark green relic pillow selvages, locd brecciated hyaloclastite, scattered qtz-calcite vnt' up to 3 cm varying in orientation from 30 to 60 DTCA, @ 649.7 3 cm qtz-calcite vn @ 40 DTCA, tr sul, @ 653.7 2 cm qtz-calite-chlorite vnt @ 30 DTCA with 1 to 2% subhedral py locs along vnt ct'	291343	653.50	654.00	0.50	0.05
			291344	654.00	655.00	1.00	0.01
			291345	655.00	656.00	1.00	0.00
			291346	656.00	657.00	1.00	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
657.00	673.20	FV, Melkior - Felsic Volcanics light pinkish grey, fine grained, siliceous, locally sericitic and potassic alteration, vesicular moderately foliated with foliation @ 30 DTCA, from 357.4 to 357.9 brecciated zone with pinkish grey potassic qtz vnt' up to 4 cm in width, approx 3 to 4% subhedral py throughout, localized patch of sph @ 357.5, @ 669.6 3 cm pink qtz-calcite vnt @ 70 DTCA with 2 to 3% diss py throughout surrounding wallrock	291347	657.00	657.50	0.50	0.05
			291348	657.50	658.00	0.50	7.05
			291349	658.00	658.50	0.50	0.73
			291351	658.50	659.00	0.50	0.01
			291352	659.00	660.00	1.00	0.00
			291353	669.00	669.50	0.50	0.00
			291354	669.50	670.00	0.50	0.00
			291355	670.00	670.50	0.50	0.01
			291356	670.50	671.00	0.50	0.01
673.20	682.50	BaM, Melkior - Basalt; fine grained; massive dark grey, massive, fine grained, chloritic, abundant qtz-carb stringers from 60 to 80 DTCA, approx 1 to 2% diss and scattered subhedral py					
682.50	686.50	FV, Melkior - Felsic Volcanics light gey, siliceous, sericitic, fine grained, weakly foliated with foliation @ 40 DTCA, abundant 1 cm qtz-carbonate stringers perp to ca, tr sul, gradational FW ct @ 70 DTCA					
686.50	700.10	QFP, QUARTZ FELDSPAR PORPHYRY light green, fine to medium grained, siliceous, sericitic, mottled with chlorite flakes, weakly developed foliation @ 30 DTCA, @ 692.05 13 cm qtz-chlorite VN @ 70 DTCA with tr sul, from 697.5 to unit becomes coarser grained with more phaneritic texture and approx 2 to 3% diss and subhedral py, @ 698.85 3 cm grey qv @ 40 DTCA with tr sul, from 699.3 to 700.1 unit becomes fine grained with 3 to 4% diss and subhedral py smeared along joint fractures, shp FW ct @ 50 DTCA	291357	696.00	697.00	1.00	0.00
			291358	697.00	697.50	0.50	0.00
			291359	697.50	698.00	0.50	0.00
			291360	698.00	699.00	1.00	0.00
			291361	699.00	699.50	0.50	0.00
			291362	699.50	700.10	0.60	0.00
700.10	704.40	QV, Quartz Vein dark grey silica flooded zone which may be silicified chert exhalite, abundant sulphides predominantly po, approx 10 to 12% throughout occurring as semi-massive patches and bands throughout, approx 3 to 4% dendritic and patchy sph, 3 to 5% subhedral clusters of asp and 1 to 2% patchy cpy, 4 to 5% scattered subhedral py,	291363	700.10	700.60	0.50	0.08
			291364	700.60	701.10	0.50	0.20
			291365	701.10	701.60	0.50	0.07
			291366	701.60	702.10	0.50	0.06
			291367	702.10	703.00	0.90	0.02
			291368	703.00	703.50	0.50	0.01
			291369	703.50	704.40	0.90	0.07
704.40	707.50	BaFBx, Melkior - Basalt Flow Breccia dark grey to dark green, fine grained, predominantly chloritic, siliceous, locally silicified notably from 705 to 705.5, banded texture with magnetite rich bands rimmed with yellow seiricitic alteration, not brecciated but flow banded texture similar to unit between 471.4 and 477.6 meters, approx 10 to 12% diss po, 3 to 4% subhedral py confined to magnetite-rich bands @ 30 to 40 DTCA, shp FW ct @ 40 DTCA	291371	704.40	705.00	0.60	0.05
			291372	705.00	705.50	0.50	0.01
			291373	705.50	706.00	0.50	0.01
			291374	706.00	706.50	0.50	0.01
			291375	706.50	707.00	0.50	0.00
			291376	707.00	707.50	0.50	0.01

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
707.50	716.30	MV, Melkior - Mafic Volcanic Rock dark grey to locally dark green, predominatly chloritic, siliceous, from 714.7 to 715.5 localized flow breccia, dark green, chloritic with patchy carbonate, approx 3 to 4% diss and subhedral py, from 708.6 to 709.0 light grey carbonate band subparallel to CA with 10 to 12% diss and subhedral clusters of py, from 709.5 to 709.6 approx 15 to 20% clusters of subhedral py, 1 to 2% patchy cpy, @ 710.0 5 cm carbonate band @ 30 DTCA with 10 to 12% diss py, @ 710.5 4 cm carb band @ 50 DTCA with 10 to 12% diss py, @ 713.4 3 cm carb band @ 60 DTCA with 8 to 10% diss and subhedral py and 1 to 2% patchy sph,	291377	707.50	708.00	0.50	0.02
			291378	708.00	709.00	1.00	0.00
			291379	709.00	709.50	0.50	0.00
			291380	709.50	710.00	0.50	0.00
			291381	710.00	710.50	0.50	0.00
			291382	710.50	711.00	0.50	0.01
			291383	711.00	712.00	1.00	0.00
			291384	712.00	713.00	1.00	0.01
			291385	713.00	713.50	0.50	0.02
			291386	713.50	714.00	0.50	0.01
			291387	714.00	714.70	0.70	0.01
			291388	714.70	715.50	0.80	0.01
		291389	715.50	716.30	0.80	0.00	
716.30	719.60	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fine to medium grained, siliceous, speckled with chloritic phenocrysts, sporadic sericitized plagioclase clasts, massive, homogeneous, approx 1 to 2% diss and scattered blebby py, shp HW and FW ct' @ 80 DTCA					

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
719.60	766.10	BaFBx, Melkior - Basalt Flow Breccia dark green, predominantly chloritic, localized sericitized and carbonatized hyaloclastite, from 719.6 to 719.7 patchy carboante with approx 5 to 6% clustered subhedral py, from 722.3 to 722.5 siliceous and carbonaceous patches with 4 to 5% subhedral py, from 733.4 to 733.5 10cm qtz-calcite vn @ 50 DTCA with 3 to 4% subhedral py locd along vn ct', from 734.6 to 734.9, 5 cm, 3 cm and 2 cm grey qtz-carb vnt' @ 50 DTCA with 6 to 7% patchy and dendritic sph, 3 to 4% patchy cpy and 5 to 6% subhedral py, @ 537.6 3 cm qtz-carb vnt @ 40 DTCA with 6 to 7% subhedral brassy py, fom 738.3 to 739.1, fractured faulted zone, fractures @ 40 DTCA, from 729.9 to 738.0 meters, abundant qtz-calcite and qtz carb vnt' and sts throughout, vnt' predominantly oriented @ 40 DTCA, para to foliation, abundant 2nd order vnt' perpendicular to CA, possible cluster of flakes of vg on fractured surface @ 742 meters, from 745.8 to 746.0 light grey carb band 8 cm in width @ 50 DTCA with 8 to 10% clustered subhedral and diss py, from 765.6 to 765.9 23 cm purplish hematitic stained qv w hw and fw ct' @ 40 and 30 DTCA, approx 12 to 15% cluster of subhedral py	291391	719.60	720.10	0.50	0.01
			291392	720.10	721.00	0.90	0.01
			291393	721.00	722.00	1.00	0.00
			291394	722.00	722.50	0.50	0.00
			291395	722.50	723.00	0.50	0.02
			291396	723.00	724.00	1.00	0.01
			291397	724.00	725.00	1.00	0.05
			291398	725.00	726.00	1.00	0.00
			291399	726.00	727.00	1.00	0.00
			291400	727.00	728.00	1.00	0.00
			291401	728.00	729.00	1.00	0.00
			291402	729.00	730.00	1.00	0.00
			291403	730.00	731.00	1.00	0.00
			291404	731.00	732.00	1.00	0.01
			291405	732.00	733.00	1.00	0.01
			291406	733.00	733.50	0.50	0.04
			291407	733.50	734.00	0.50	0.01
			291408	734.00	734.50	0.50	0.11
			291409	734.50	735.00	0.50	1.26
			291411	735.00	736.00	1.00	0.05
			291412	736.00	737.00	1.00	0.05
			291413	737.00	737.50	0.50	0.03
			291414	737.50	738.00	0.50	0.77
			291415	741.00	741.50	0.50	0.00
			291416	741.50	742.00	0.50	3.28
			291417	742.00	742.50	0.50	0.05
			291418	742.50	743.00	0.50	0.01
			291419	743.00	744.00	1.00	0.01
			291420	744.00	745.00	1.00	0.01
			291421	745.00	745.80	0.80	0.03
			291422	745.80	746.30	0.50	0.07
			291423	746.30	747.00	0.70	0.00
			291424	747.00	748.00	1.00	0.00
			291425	748.00	748.50	0.50	0.00
			291426	748.50	749.00	0.50	0.08
			291427	749.00	750.00	1.00	0.00
			291428	750.00	750.50	0.50	0.22
			291429	750.50	751.00	0.50	0.35
			291431	751.00	752.00	1.00	0.03
			291432	752.00	753.00	1.00	0.00
			291433	753.00	754.00	1.00	0.00
			291434	754.00	755.00	1.00	0.00
			291435	755.00	756.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			291436	756.00	757.00	1.00	0.00
			291437	764.00	765.00	1.00	0.01
			291438	765.00	765.50	0.50	0.05
			291439	765.50	766.10	0.60	0.15
766.10	769.40	QFP, QUARTZ FELDSPAR PORPHYRY buff, fg, sericitic, siliceous, strongly mineralized with abundant stringers and veinlets parallel to CA and perpendicular to CA all infilled with clusters of subhedral py, approx 8 to 10% py throughout unit, shp HW and FW ct' @ 40 DTCA,	291440	766.10	767.00	0.90	0.04
			291441	767.00	768.00	1.00	1.00
			291442	768.00	768.80	0.80	1.30
			291443	768.80	769.40	0.60	4.15
769.40	795.40	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fine grained, generally massive with localized hyaloclastite, abundant qtz-calcite stringers and veinlets oriented from 40 to 80 DTCA, @ 769.7 4 cm dark grey qv @ 30 DTCA with 5 to 6% subhedral py xl' and smears along fractured surface, @ 772.6 dark grey qv @ 30 DTCA with 6 to 7% subhedral py, 2 to 3% patchy sph and 1 to 2% patchy cpy, from 777 to 792 localized brecciated hyaloclastite, increasing abundance of qtz-calcite stringers stained with hematite, from 790.3 to 790.4 qtz patches stained with blood red hematite, approx 5to 6% subhedral py, 1 to 2% cpy, 771.5 to 771.8 red patches of semi-massive hematized sph (blackjack) with 12 to 15% brassy py and 2 to 3% cpy	291444	769.40	770.00	0.60	0.25
			291445	770.00	770.50	0.50	0.01
			291446	770.50	771.00	0.50	0.03
			291447	771.00	772.00	1.00	0.00
			291448	772.00	772.50	0.50	0.01
			291449	772.50	773.00	0.50	0.01
			291451	773.00	774.00	1.00	0.00
			291452	774.00	774.50	0.50	0.00
			291453	774.50	775.00	0.50	0.00
			291454	775.00	776.00	1.00	0.00
			291455	776.00	777.00	1.00	0.00
			291456	777.00	778.00	1.00	0.00
			291457	778.00	779.00	1.00	0.01
			291458	779.00	780.00	1.00	0.02
			291459	780.00	781.00	1.00	0.00
			291460	781.00	782.00	1.00	0.01
			291461	782.00	783.00	1.00	0.01
			291462	783.00	784.00	1.00	0.01
			291463	784.00	785.00	1.00	0.01
			291464	785.00	786.00	1.00	0.00
			291465	786.00	787.00	1.00	0.00
			291466	787.00	788.00	1.00	0.00
			291467	788.00	789.00	1.00	0.00
			291468	789.00	790.00	1.00	0.00
			291469	790.00	790.50	0.50	0.01
			291471	790.50	791.00	0.50	0.00
			291472	791.00	791.50	0.50	0.00
			291473	791.50	792.00	0.50	0.06
			291474	792.00	793.00	1.00	0.03
			291475	793.00	794.00	1.00	0.00
			291476	794.00	794.90	0.90	0.21
			291477	794.90	795.40	0.50	0.00

Hole Number: **CAR-20-09B**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
795.40	797.40	FV, Melkior - Felsic Volcanics buff, silicified, strongly brecciated HW and FW ct', sericitic, albitic, probable cataclastic breccia localized at contacts, FW contact fractured and blocky, tr sul	291478	795.40	796.00	0.60	0.38
			291479	796.00	796.90	0.90	0.01
			291480	796.90	797.40	0.50	0.07
797.40	804.00	BaFBx, Melkior - Basalt Flow Breccia buff to dark green, siliceous grading to predominatly chloritic with siliceous and carbonaceous bands, locally more sericitic in more intermediate portion from 797.4 to 802.0, from 799.7 to 799.8 siliceous carbonaceous band @ 60 DTCA with 15 to 20% subhedral aggregates of py, from 802 to 804 unit described as more of a mafic debris flow with abundant carbonate ands aligned parallel to foliation @ 40 DTCA with 2 to 3% scattered subhedral py xl', EOH	291481	797.40	798.00	0.60	0.00
			291482	798.00	799.00	1.00	1.28
			291483	799.00	799.50	0.50	0.03
			291484	799.50	800.00	0.50	0.02
			291485	800.00	801.00	1.00	0.01
			291486	801.00	802.00	1.00	0.27
			291487	802.00	803.00	1.00	0.04
		291488	803.00	804.00	1.00	0.03	

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
290967	5.10	6.00	0.0025
290968	6.00	7.00	0.0050
290969	7.00	8.00	0.0110
290971	8.00	9.00	0.0050
290972	9.00	9.50	0.0025
290973	9.50	10.00	0.0270
290974	10.00	10.50	0.0080
290975	10.50	11.00	0.0080
290976	11.00	11.40	0.0090
290977	11.40	12.00	1.5000
290978	12.00	12.50	0.2590
290979	12.50	13.00	0.0250
290980	13.00	13.50	0.0100
290981	13.50	14.00	0.0240
290982	14.00	15.00	0.0025
290983	15.00	16.00	0.0090
290984	16.00	17.00	0.0025
290985	17.00	18.00	0.0050
290986	18.00	19.00	0.0060
290987	19.00	20.00	0.0070
290988	20.00	21.00	0.0060
290989	21.00	22.00	0.0090
290990	22.00	23.00	0.0100
290991	23.00	24.00	0.0025
290992	24.00	25.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
290994	44.00	44.50	0.0025
290995	44.50	45.00	0.0025
290996	45.00	45.50	0.0025
290997	45.50	46.00	0.0025
290998	54.30	55.00	0.0090
290999	55.00	56.00	0.0140
291000	56.00	56.50	0.0110
291001	56.50	57.00	0.0250
291002	57.00	57.50	0.0025
291003	57.50	58.00	0.0025
291004	58.00	59.00	0.0025
291005	59.00	59.50	0.0025
291006	59.50	60.00	0.0025
291007	66.00	67.00	0.0025
291008	67.00	68.00	0.0025
291009	68.00	69.00	0.0025
291010	84.00	84.50	0.0050
291011	84.50	85.00	0.0025
291013	95.35	96.00	0.0220
291014	96.00	96.50	0.0180
291015	96.50	97.00	0.0050
291016	97.00	97.50	0.0090
291017	97.50	98.00	0.0200
291018	98.00	98.50	0.0110
291019	98.50	99.00	0.0070
291020	101.00	101.50	0.0060
291021	101.50	102.00	0.0070
291022	102.00	102.50	0.0070
291023	106.90	107.40	0.0150
291024	107.40	108.00	0.0070
291025	108.00	108.80	0.0025
291026	108.80	109.30	0.0810
291027	109.30	110.00	0.0270
291028	110.00	110.50	0.0240
291029	110.50	111.00	0.0240
291031	111.00	111.50	0.0080
291032	126.50	127.00	0.0025
291033	127.00	127.50	0.0090
291034	127.50	128.00	0.0090

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291035	128.00	129.00	0.0025
291036	129.00	130.00	0.0060
291037	130.00	130.50	0.0025
291038	130.50	131.20	0.0080
291039	137.60	138.10	0.0190
291040	138.10	138.60	0.0140
291041	138.60	139.20	0.0110
291042	142.00	142.50	0.0060
291043	142.50	143.00	0.0070
291044	143.00	143.50	0.0060
291045	143.50	144.20	0.0180
291046	157.30	158.00	0.0025
291047	158.00	159.00	0.0025
291048	159.00	160.00	0.0025
291049	160.00	161.00	0.0050
291051	168.00	168.80	0.0060
291052	168.80	169.50	0.6440
291053	169.50	170.00	0.0090
291054	170.00	171.00	0.0380
291055	171.00	171.80	0.0220
291056	179.70	180.20	0.0310
291057	180.20	181.00	0.0025
291058	181.00	181.50	0.0025
291059	181.50	182.30	0.0025
291060	185.80	186.40	0.0050
291061	186.40	187.00	0.0050
291062	187.00	187.50	0.0270
291063	187.50	188.00	0.0025
291064	188.00	188.45	0.0090
291065	190.00	190.50	0.0100
291066	190.50	191.00	0.0050
291067	191.00	191.90	0.0050
291068	199.00	200.00	0.0025
291069	200.00	200.50	0.5070
291071	200.50	201.30	0.0860
291072	201.30	202.00	0.0025
291073	207.20	207.90	0.0025
291074	207.90	208.40	0.0025
291075	208.40	209.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291076	209.00	210.00	0.0050
291077	210.00	211.00	0.0190
291078	211.00	212.00	0.0100
291079	212.00	213.00	0.0490
291080	213.00	214.00	0.0025
291081	214.00	215.00	0.0110
291082	215.00	216.00	0.0025
291083	216.00	216.70	0.0025
291084	216.70	217.20	0.0025
291085	217.20	218.00	0.0050
291086	218.00	219.00	0.0050
291087	221.00	221.50	0.0050
291088	221.50	222.00	0.0270
291089	224.00	225.00	0.0080
291091	225.00	225.50	0.0080
291092	230.00	230.50	0.0100
291093	230.50	231.00	0.0090
291094	231.00	231.50	0.0025
291095	231.50	232.10	0.0080
291096	232.10	232.50	0.0230
291097	232.50	233.00	0.0070
291098	236.50	237.00	0.0060
291099	237.00	237.50	0.0060
291100	243.00	243.50	0.0130
291101	243.50	244.00	0.0180
291102	244.00	244.80	0.0080
291103	244.80	245.40	0.0120
291104	245.40	246.00	0.0070
291105	246.00	247.00	0.0090
291106	247.00	247.50	0.0050
291107	247.50	248.50	0.0320
291108	248.50	249.30	0.0210
291109	249.30	250.00	0.0120
291110	250.00	251.00	0.0080
291111	262.00	262.50	0.0025
291112	262.50	263.00	0.0050
291114	263.00	263.50	0.0025
291115	263.50	264.00	0.0025
291116	264.00	264.50	0.0060

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291117	264.50	265.20	0.0025
291118	265.20	266.00	0.0080
291119	266.00	267.00	0.0050
291120	267.00	268.00	0.0060
291121	268.00	268.70	0.0050
291122	274.00	275.00	0.0170
291123	275.00	276.00	0.0120
291124	279.00	280.00	0.0080
291125	280.00	281.00	0.3600
291126	281.00	282.00	0.0090
291127	296.00	296.50	0.0025
291128	296.50	297.00	0.0060
291129	297.00	297.50	0.0420
291131	297.50	298.00	0.0025
291132	302.50	303.10	0.0060
291133	303.10	304.00	0.0025
291134	304.00	305.00	0.0050
291135	305.00	306.00	0.0050
291136	306.00	306.60	0.0090
291137	306.60	307.50	0.0025
291138	307.50	308.00	0.0080
291139	308.00	308.50	0.0025
291140	308.50	309.00	0.0120
291141	309.00	309.50	0.0060
291142	309.50	310.00	0.0060
291143	310.00	310.50	0.0100
291144	310.50	311.00	0.0330
291145	311.00	311.50	0.0050
291146	311.50	312.40	0.0130
291147	318.10	318.50	0.0190
291148	318.50	319.00	0.0210
291149	319.00	319.50	0.0220
291151	319.50	320.20	0.0130
291152	320.20	321.00	0.0025
291153	321.00	321.90	0.0025
291154	321.90	322.50	0.0090
291155	322.50	323.00	0.0025
291156	323.00	323.50	0.0025
291157	323.50	324.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291158	324.00	324.50	0.4110
291159	324.50	325.00	0.0450
291160	325.00	325.50	0.0060
291161	325.50	326.00	0.0025
291162	326.00	327.00	0.0025
291163	327.00	328.00	0.0025
291164	328.00	328.50	0.0110
291165	328.50	329.10	0.0370
291166	329.10	329.60	0.0250
291167	329.60	330.20	0.0310
291168	330.20	330.70	0.0160
291169	330.70	331.30	0.0390
291171	331.30	332.00	0.0550
291172	332.00	333.00	0.0580
291173	333.00	334.00	0.0180
291174	334.00	335.00	0.1020
291175	345.00	346.00	0.0025
291176	346.00	347.00	0.0025
291177	347.00	348.00	0.0025
291178	348.00	348.50	0.0025
291179	348.50	349.00	0.0070
291180	349.00	350.00	0.0025
291181	350.00	350.50	0.0170
291182	350.50	351.00	0.0025
291183	351.00	352.00	0.0025
291184	356.50	357.00	0.0025
291185	357.00	357.50	0.0050
291186	357.50	358.00	0.0025
291187	398.00	398.50	0.0620
291188	398.50	399.00	0.0300
291189	399.00	399.50	0.0130
291191	399.50	400.00	0.0025
291192	400.00	400.50	0.0025
291193	400.50	401.00	0.0050
291194	435.00	436.00	0.0025
291195	436.00	436.50	0.0025
291196	436.50	437.00	0.0100
291197	437.00	437.50	0.0025
291198	468.00	469.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291199	469.00	470.00	0.0025
291200	470.00	470.50	0.0025
291201	470.50	471.40	0.0025
291202	471.40	472.00	0.0025
291203	472.00	473.00	0.0025
291204	473.00	473.50	0.0080
291205	473.50	474.00	0.0430
291206	474.00	474.60	0.0280
291207	474.60	475.10	0.0140
291208	475.10	476.00	0.0025
291209	476.00	477.00	0.0025
291211	477.00	477.60	0.0025
291212	477.60	478.10	0.0700
291213	478.10	479.00	0.0060
291214	479.00	479.50	0.0190
291215	479.50	480.00	0.0570
291216	480.00	480.50	0.0100
291217	480.50	481.00	0.0250
291218	481.00	482.00	0.0080
291219	482.00	482.50	0.0070
291220	482.50	483.00	0.0260
291221	483.00	483.50	0.1850
291222	483.50	484.00	0.0025
291223	484.00	485.00	0.0025
291224	488.50	489.40	0.0025
291225	489.40	490.00	0.1790
291226	490.00	490.50	0.0090
291227	490.50	491.00	0.0025
291228	491.00	492.00	0.0025
291229	492.00	492.50	0.1170
291231	492.50	493.40	0.0980
291232	493.40	494.00	0.0025
291233	501.00	502.00	0.0025
291234	502.00	502.50	0.0025
291235	502.50	503.00	0.0640
291236	503.00	504.00	0.0060
291237	504.00	505.00	0.0025
291238	505.00	505.50	0.0350
291239	505.50	506.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291240	506.00	507.00	0.0025
291241	515.00	516.00	0.0025
291242	516.00	516.50	0.0025
291243	516.50	517.00	0.0025
291244	517.00	518.00	0.0025
291245	521.00	522.00	0.0220
291246	522.00	523.00	0.0060
291247	528.00	529.00	0.0025
291248	529.00	530.00	0.0025
291249	530.00	531.00	0.0025
291251	531.00	532.00	0.0025
291252	532.00	533.00	0.0025
291253	533.00	534.00	0.0025
291254	534.00	534.50	0.3060
291255	534.50	535.00	1.4500
291256	535.00	535.50	3.1900
291257	535.50	536.00	5.3300
291258	536.00	536.50	1.1800
291259	536.50	537.00	3.6500
291260	537.00	537.50	38.8000
291261	537.50	538.50	0.8210
291262	538.50	539.00	0.2580
291263	539.00	540.00	0.2190
291264	540.00	541.00	0.0080
291265	541.00	542.00	0.0060
291266	542.00	543.00	0.0060
291267	543.00	543.50	0.0080
291268	543.50	544.00	0.0340
291269	544.00	544.50	0.2920
291271	544.50	545.00	2.3600
291272	545.00	545.50	0.0230
291273	545.50	546.00	0.0840
291274	546.00	546.50	0.0025
291275	546.50	547.00	0.0025
291276	547.00	548.00	0.0070
291277	548.00	549.00	0.5090
291278	549.00	549.50	0.0025
291279	549.50	550.00	0.0080
291280	550.00	551.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291281	551.00	552.00	0.0090
291282	552.00	552.50	0.0340
291283	552.50	553.00	0.1100
291284	553.00	553.50	5.7500
291285	553.50	554.00	0.0270
291286	554.00	555.00	0.0170
291287	555.00	555.50	0.0340
291288	555.50	556.00	5.6600
291289	556.00	556.50	0.8790
291291	556.50	557.00	0.0250
291292	557.00	557.50	0.0050
291293	557.50	558.00	0.1290
291294	558.00	558.50	0.0800
291295	558.50	559.00	0.3040
291296	559.00	559.50	0.2310
291297	559.50	560.00	0.3970
291298	560.00	561.00	0.0110
291299	561.00	561.50	0.0025
291300	561.50	562.00	0.0025
291301	562.00	562.50	0.0025
291302	562.50	563.00	0.0025
291303	563.00	564.00	0.0025
291304	564.00	564.50	0.0060
291305	564.50	565.00	0.0025
291306	565.00	565.50	0.0025
291307	565.50	566.00	0.0025
291308	566.00	567.00	0.0025
291309	567.00	567.50	3.5600
291311	567.50	568.00	0.0680
291312	568.00	569.00	0.0070
291313	569.00	570.00	0.0090
291314	570.00	571.00	0.0220
291315	571.00	572.00	0.0060
291316	572.00	573.00	0.0025
291317	573.00	574.00	0.0680
291318	574.00	575.00	0.0150
291319	575.00	576.00	0.0025
291320	585.00	586.00	0.0050
291321	586.00	587.00	0.0070

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291322	587.00	588.00	0.0025
291323	588.00	588.50	0.0060
291324	588.50	589.00	0.6660
291325	589.00	590.00	0.0025
291326	590.00	591.00	0.0025
291327	598.00	599.00	0.0025
291328	599.00	600.00	0.0240
291329	600.00	601.00	0.1390
291331	601.00	602.00	0.0025
291332	602.00	603.00	0.0025
291333	611.20	612.00	0.0025
291334	612.00	613.00	0.0025
291335	613.00	613.70	0.0290
291336	627.00	627.50	0.0470
291337	627.50	628.00	0.0440
291338	628.00	629.00	0.0050
291339	639.00	639.80	0.0120
291340	639.80	640.30	0.0025
291341	640.30	641.00	0.0025
291342	641.00	642.00	0.0025
291343	653.50	654.00	0.0450
291344	654.00	655.00	0.0080
291345	655.00	656.00	0.0025
291346	656.00	657.00	0.0120
291347	657.00	657.50	0.0520
291348	657.50	658.00	7.0500
291349	658.00	658.50	0.7320
291351	658.50	659.00	0.0050
291352	659.00	660.00	0.0025
291353	669.00	669.50	0.0025
291354	669.50	670.00	0.0025
291355	670.00	670.50	0.0110
291356	670.50	671.00	0.0120
291357	696.00	697.00	0.0025
291358	697.00	697.50	0.0025
291359	697.50	698.00	0.0025
291360	698.00	699.00	0.0025
291361	699.00	699.50	0.0025
291362	699.50	700.10	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291363	700.10	700.60	0.0760
291364	700.60	701.10	0.2010
291365	701.10	701.60	0.0700
291366	701.60	702.10	0.0560
291367	702.10	703.00	0.0150
291368	703.00	703.50	0.0120
291369	703.50	704.40	0.0650
291371	704.40	705.00	0.0450
291372	705.00	705.50	0.0080
291373	705.50	706.00	0.0080
291374	706.00	706.50	0.0080
291375	706.50	707.00	0.0025
291376	707.00	707.50	0.0060
291377	707.50	708.00	0.0170
291378	708.00	709.00	0.0025
291379	709.00	709.50	0.0025
291380	709.50	710.00	0.0025
291381	710.00	710.50	0.0025
291382	710.50	711.00	0.0070
291383	711.00	712.00	0.0025
291384	712.00	713.00	0.0100
291385	713.00	713.50	0.0160
291386	713.50	714.00	0.0070
291387	714.00	714.70	0.0090
291388	714.70	715.50	0.0110
291389	715.50	716.30	0.0025
291391	719.60	720.10	0.0130
291392	720.10	721.00	0.0080
291393	721.00	722.00	0.0025
291394	722.00	722.50	0.0025
291395	722.50	723.00	0.0170
291396	723.00	724.00	0.0090
291397	724.00	725.00	0.0500
291398	725.00	726.00	0.0025
291399	726.00	727.00	0.0025
291400	727.00	728.00	0.0025
291401	728.00	729.00	0.0025
291402	729.00	730.00	0.0025
291403	730.00	731.00	0.0025

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291404	731.00	732.00	0.0060
291405	732.00	733.00	0.0090
291406	733.00	733.50	0.0420
291407	733.50	734.00	0.0070
291408	734.00	734.50	0.1050
291409	734.50	735.00	1.2600
291411	735.00	736.00	0.0540
291412	736.00	737.00	0.0510
291413	737.00	737.50	0.0320
291414	737.50	738.00	0.7670
291415	741.00	741.50	0.0025
291416	741.50	742.00	3.2800
291417	742.00	742.50	0.0510
291418	742.50	743.00	0.0080
291419	743.00	744.00	0.0100
291420	744.00	745.00	0.0050
291421	745.00	745.80	0.0250
291422	745.80	746.30	0.0660
291423	746.30	747.00	0.0025
291424	747.00	748.00	0.0025
291425	748.00	748.50	0.0025
291426	748.50	749.00	0.0760
291427	749.00	750.00	0.0025
291428	750.00	750.50	0.2180
291429	750.50	751.00	0.3510
291431	751.00	752.00	0.0250
291432	752.00	753.00	0.0025
291433	753.00	754.00	0.0025
291434	754.00	755.00	0.0025
291435	755.00	756.00	0.0025
291436	756.00	757.00	0.0025
291437	764.00	765.00	0.0070
291438	765.00	765.50	0.0540
291439	765.50	766.10	0.1520
291440	766.10	767.00	0.0370
291441	767.00	768.00	0.9950
291442	768.00	768.80	1.3000
291443	768.80	769.40	4.1500
291444	769.40	770.00	0.2510

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291445	770.00	770.50	0.0050
291446	770.50	771.00	0.0250
291447	771.00	772.00	0.0025
291448	772.00	772.50	0.0110
291449	772.50	773.00	0.0090
291451	773.00	774.00	0.0025
291452	774.00	774.50	0.0025
291453	774.50	775.00	0.0025
291454	775.00	776.00	0.0025
291455	776.00	777.00	0.0025
291456	777.00	778.00	0.0025
291457	778.00	779.00	0.0070
291458	779.00	780.00	0.0160
291459	780.00	781.00	0.0025
291460	781.00	782.00	0.0070
291461	782.00	783.00	0.0050
291462	783.00	784.00	0.0070
291463	784.00	785.00	0.0060
291464	785.00	786.00	0.0025
291465	786.00	787.00	0.0025
291466	787.00	788.00	0.0025
291467	788.00	789.00	0.0025
291468	789.00	790.00	0.0025
291469	790.00	790.50	0.0090
291471	790.50	791.00	0.0025
291472	791.00	791.50	0.0025
291473	791.50	792.00	0.0550
291474	792.00	793.00	0.0320
291475	793.00	794.00	0.0025
291476	794.00	794.90	0.2120
291477	794.90	795.40	0.0025
291478	795.40	796.00	0.3820
291479	796.00	796.90	0.0080
291480	796.90	797.40	0.0710
291481	797.40	798.00	0.0025
291482	798.00	799.00	1.2800
291483	799.00	799.50	0.0270
291484	799.50	800.00	0.0180
291485	800.00	801.00	0.0100

Hole Number: **CAR-20-09B**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291486	801.00	802.00	0.2660
291487	802.00	803.00	0.0390
291488	803.00	804.00	0.0330

DETAILED LOG

Hole Number: **CAR-20-10**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -65.00
Project Number: MELKIOR	North: 5358161.08	North: 35116.16	Collar Az: 240.00
Location: Carscallen Township	East: 452019.78	East: -129454.66	Length: 705.00
	Elev: 327.22	Elev: 5027.22	Start Depth: 0.00
Date Started: Dec 01, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Dec 06, 2020	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-65.00	EZ Sho	OK		51.00	239.90	-64.80	EZ Sho	OK	
102.00	241.50	-64.50	EZ Sho	OK		153.00	240.30	-64.70	EZ Sho	OK	
204.00	240.70	-64.80	EZ Sho	OK		255.00	242.00	-64.60	EZ Sho	OK	
357.00	242.30	-64.10	EZ Sho	OK		375.00	243.10	-64.40	EZ Sho	OK	
426.00	243.10	-64.20	EZ Sho	OK		477.00	243.50	-64.50	EZ Sho	OK	
528.00	246.50	-64.30	EZ Sho	OK		579.00	247.30	-63.90	EZ Sho	OK	
630.00	245.60	-64.00	EZ Sho	OK		702.00	245.60	-64.00	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	23.70	OVB, MELKIOR - Overburden					
23.70	42.30	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, predominantly epidotitic, scattered pinkish potassic alteration, cg, glomeroporphyritic, extremely blocky core with crumbled sections, faulted from 23.7 to 40.0 meters, from 36.0 to 37.5 meters more silica rich zone, creamy white hue, @ 36.6 white qtz patches with approx 1 to 2% diss and blebby py, yellow leucoxene flakes with hematitic staining in 2 cm qtz-chlorite vnt @ 50 DTCA and @ 36.4 m	291489	36.00	37.00	1.00	0.00
			291491	37.00	38.00	1.00	0.00
42.30	44.60	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, medium grained, predominantly potassic and slightly hematitic, glomeroporphyritic texture, blocky ground with fractures @ 60 to 80 DTCA, tr sul, gradational FW ct @ 20 DTCA					
44.60	60.00	GRD_EP, Granodiorite - Epidotized (Melkior) greenish hue, epidotized, glomeroporphyritic texture, localized slightly hematized sections, notably from 46.5 to 46.8 and 48.0 to 48.3 meters, @ 46.6 4 cm qtz vn @ 45 DTCA stained with potassic alteration, tr sul, @ 50.9 3 cm fractured qv @ 60 DTCA stained with hematite, tr sul	291492	46.00	46.50	0.50	0.00
			291493	46.50	47.00	0.50	0.00

DETAILED LOG

Hole Number: **CAR-20-10**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
60.00	66.50	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish grey hue, predominantly potassic, hematitic and weakly carbonatized, approx 1 to 2% disseminated and scattered blebby py, gradational HW and FW ct' perpendicular to CA,	291494	60.00	61.00	1.00	0.00
			291495	61.00	62.00	1.00	0.00
			291496	62.00	63.00	1.00	0.00
			291497	63.00	64.00	1.00	0.00
			291498	64.00	65.00	1.00	0.00
			291499	65.00	66.00	1.00	0.00
			291500	66.00	66.50	0.50	0.00
66.50	76.90	GRD_EP, Granodiorite - Epidotized (Melkior) greenish hue, epidotized, glomeroporphyritic texture,					
76.90	78.60	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, medium grained, predominantly potassic and slightly hematitic, glomeroporphyritic texture,					
78.60	83.20	GRD_EP, Granodiorite - Epidotized (Melkior) greenish hue, epidotized, glomeroporphyritic texture,					
83.20	87.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, medium grained, predominantly potassic and slightly hematitic, glomeroporphyritic texture					
87.00	91.90	GRD_SIL, Granodiorite - Silicified (Melkior) pinkish creamy white with dirty grey sections, predominantly silicified, weakly potassic and slightly carbonatized, tr sul	291501	87.00	88.00	1.00	0.02
			291502	88.00	89.00	1.00	0.00
			291503	89.00	90.00	1.00	0.01
91.90	107.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, glomeroporphyritic texture, scattered chloritic mafic xenoliths averaging 20 cm in width notably from 93.0 to 93.2 and 103.5 to 103.7, intermittent zones with blocky rubble core notably from 92.0 to 92.4 and 95.7 to 96.0, tr sul					
107.00	109.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, weakly carbonatized, chloritic, silicified, slightly pitted, granodioritic texture, speckled with yellow leucoxee flakes, tr sul	291504	107.00	108.00	1.00	0.01
			291505	108.00	109.00	1.00	0.09
			291506	109.00	109.60	0.60	0.01
109.60	124.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, glomeroporphyritic texture, scattered chloritic mafic xenoliths averaging 20 cm in width, notably from 123.3 to 123.5, tr sul					
124.00	126.50	GRD_SIL, Granodiorite - Silicified (Melkior) light creamy hue, silicified glomeroporphyritic texture, extremely weathered and pitted texture, faulted section from 125.0 to 126.0 meters, tr sul					
126.50	151.10	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, glomeroporphyritic texture, scattered chloritic mafic xenoliths averaging 20 cm in width, tr sul					
151.10	152.80	MI, Melkior - Mafic Intrusive dark grey-green, fine grained to medium grained, chloritic alteration, gradational HW and FW ct' perpendicular to CA, tr sul					

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
152.80	189.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, glomeroporphyritic texture, scattered chloritic mafic xenoliths averaging 20 cm in width, tr sul, from 170.1 to 170.7 dark grey mafic dyke or xenolith with shp ct' @ 70 DTCA, chloritic and mottled with plag clasts, tr sul, from 165 to 184 extremely pitted and vuggy core but well consolidated, no rubble, tr sul					
189.00	192.00	GRD_SIL, Granodiorite - Silicified (Melkior) pinkish creamy hue to dark grey, slightly potassic, silicified, weakly carbonatized, tr sul	291507	189.00	190.00	1.00	0.01
			291508	190.00	191.00	1.00	0.02
			291509	191.00	192.00	1.00	0.02
192.00	204.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, glomeroporphyritic texture, scattered chloritic mafic xenoliths, well indurated core with no pitting or vuginess, tr sul					
204.00	209.00	GRD_SIL, Granodiorite - Silicified (Melkior) pinkish creamy hue to dark grey, slightly potassic, silicified, weakly carbonatized, tr sul, strongly fractured and blocky core from 204.0 to 205.0	291511	204.00	205.00	1.00	0.64
			291512	205.00	206.00	1.00	0.04
			291513	206.00	207.00	1.00	0.04
			291514	207.00	208.00	1.00	0.01
			291515	208.00	209.00	1.00	0.01
209.00	211.50	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish grey, slightly potassic, chloritic, silicified, weakly carbonatized, sausseritization throughout unit, tr sul, gradational ct' perpendicular to CA					
211.50	238.30	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white pinkish hue, predominantly silicified, weakly potassic, extremely pitted and vuggy core throughout, from 217 to 218.5, localized crumbled intervals, faulted section, from 222.0 to 225.0 localized crumbled intervals, from 229 to 229.3 pink aplitic dyke @ 70 DTCA, tr sul					
238.30	250.80	GRD_HEM, Granodiorite - Hematized (Melkior) strongly hematitic, secondary potassic alteration, burgandy red hue, pitted and vuggy core, tr sul, pitted core from 243 to 246.0 meters and 249.0 to 251.8 meters					
250.80	253.70	FZ, Fault Zone crumbled and fractured core, faulted potassic and hematitic altered granodiorite, tr sul, fractures predominantly oriented @ 50 DTCA					
253.70	309.70	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, predominantly potassic, slightly hematitic, increasingly darker mafic complexion from 266 to 276 meters, increasing chloritic component, weakly carbonatized, consolidated, speckled with sausserite, tr sul, from 276.0 to 291.5 unit burgandy red and strongly hematitic, weakly potassic, more medium grained texture, tr sul, from 291.5 to 297.0 fine grained transitional zone, hematitic alteration obscures granodioritic texture, speckled with sasserite, tr sul, from 297.0 to 309.7 transitional hematitic zone, variably medium grained glomeroporphyritic texture recognized, from 306.0 to 309.7 unit appears to be metasomatized with mymekitic texture, tr sul, fractured FW ct @ 40 DTCA					

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
309.70	379.30	BaM, Melkior - Basalt; fine grained; massive dark green, predominantly chloritic, massive, from 309.7 to 317.0 abundant diffuse hematitic and potassic granodioritic xenoliths, from 317.0 to 323.0 burgandy purplish red colouration, extremely blocky fractured core, aphanitic, appears to transitional zone assimilated into underlying mafic basalt, from 323.0 to 335.0 predominantly chloritic but altered with widespread hematitic alteration, transitional zone, tr sul, from 335.0 to 378.0 massive, chloritic, abundant pinkish granodioritic xenoliths no wider than 20 cm, patchy calcite throughout, abundant qtz-calcite stringers and vnt' predominatly oriented from 50 to 80 DTCA, tr sul	291516	351.00	352.00	1.00	0.00
			291517	352.00	353.00	1.00	0.02
			291518	353.00	354.00	1.00	0.00
			291519	354.00	355.00	1.00	0.00
			291520	372.00	373.00	1.00	0.00
			291521	373.00	374.00	1.00	0.00
			291522	374.00	375.00	1.00	0.00
379.30	408.00	MV, Melkior - Mafic Volcanic Rock dark grey, fine grained, massive, predominantly chloritic, abundant patches of calcite throughout, ripped up potassic clasts og granodiorite throughout, abundant calcite infilled tension gahes predominantly oriented @ 50 to 80 DTCA, tr sul	291523	399.00	400.00	1.00	0.02
			291524	400.00	401.00	1.00	0.02
			291525	401.00	402.00	1.00	0.00
			291526	402.00	403.00	1.00	0.00
			291527	403.00	404.00	1.00	0.01
			291528	404.00	405.00	1.00	0.01
			291529	405.00	406.00	1.00	0.00
			291531	406.00	407.00	1.00	0.02
			291532	407.00	408.00	1.00	0.03
408.00	415.00	QVZ, QUARTZ VEIN ZONE dark green, fine grained, weakly foliated with foliation @ 30 DTCA, scattered columnar aggregates of subhedral py wihin qtz and calcite gangue, @ 408.8 3 cm band of appox 12 to 15% subhedral py with 3 to 4% subhedral cpy @ 50 DTCA, @ 409.35 3 cm band of approx 20 to 25% subhedral py @ 60 DTCA, @ 409.7 3 cm band of approx 20 to 25% subhedral py @ 60 DTCA, @ 412.5 30 to 40% subhedral aggregates of py within calcitic gangue @ 30 DTCA with 2 to 3% subhedral cpy, @ 412.8 patch of 2 to 3% cpy, @ 413.6 6 cm band of approx 10 to 12% subhedral py, from 414.4 to 414.6 20 cm calcite vng subparallel to CA with 7 to 8% wispy py	291533	408.00	408.50	0.50	0.03
			291534	408.50	409.00	0.50	4.36
			291535	409.00	409.50	0.50	3.46
			291536	409.50	410.00	0.50	5.90
			291537	410.00	410.50	0.50	0.02
			291538	410.50	411.00	0.50	1.95
			291539	411.00	411.50	0.50	0.01
			291540	411.50	412.10	0.60	0.34
			291541	412.10	412.60	0.50	40.10
			291542	412.60	413.10	0.50	0.34
			291543	413.10	414.00	0.90	1.91
			291544	414.00	414.60	0.60	0.20
			291545	414.60	415.00	0.40	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
415.00	446.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fine grained, moderately foliated with foliation @ 40 DTCA, abundant calcitic patches and qtz-calcite sts and vnt' @ 30 to 50 DTCA, from 418.5 to 418.8 pinkish orange potassic dyke @ 30 DTCA with 1 to 2% with 2 to 3% subhedral py within surrounding wallrock, from 425.0 to 425.5 3 2 cm carbonate vnt' @ 50 DTCA wirh 2 to 3% subhedral py locd within vnt', from 426.85 to 427.0 buff creamish white felsic dyke @ 50 DTCA with 1 to 2% diss and blebby py locd along dike ct', from 432.7 to 433.3 pinkish buff potassic felsisc dyke with HW and FW ct' @ 60 and 50 DTCA respectively, approx 2 to 3% blebby py locd @ HW ct and 1 to 2% patchy cpy locd @ FW ct	291546	415.00	416.00	1.00	0.01
			291547	416.00	417.00	1.00	0.04
			291548	417.00	418.00	1.00	0.02
			291549	418.00	418.50	0.50	0.03
			291551	418.50	419.00	0.50	0.02
			291552	419.00	419.50	0.50	0.03
			291553	419.50	420.00	0.50	0.01
			291554	420.00	420.50	0.50	0.01
			291555	420.50	421.00	0.50	0.05
			291556	421.00	422.00	1.00	0.02
			291557	422.00	423.00	1.00	0.01
			291558	423.00	424.00	1.00	0.01
			291559	424.00	425.00	1.00	0.00
			291560	425.00	425.50	0.50	0.02
			291561	425.50	426.00	0.50	0.01
			291562	426.00	427.00	1.00	0.00
			291563	427.00	428.00	1.00	0.20
			291564	428.00	429.00	1.00	0.49
			291565	429.00	430.00	1.00	0.03
			291566	430.00	431.00	1.00	0.03
			291567	431.00	432.00	1.00	0.10
			291568	432.00	432.70	0.70	0.16
			291569	432.70	433.30	0.60	0.15
			291571	433.30	434.00	0.70	0.01
			291572	434.00	435.00	1.00	0.03
446.00	455.50	FV, Melkior - Felsic Volcanics light grey green, fg, predominantly siliceous with patchy sericitic alteration, massive, from 448.0 to 455.5 unit becomes increasingly more intermediate and chloritic with patchy siliceous and sericitic intervals, @ 448.5 fracture infilled with py and approx 2 to 3% scattered subhedral py from 448 to 449	291573	448.00	448.50	0.50	0.01
			291574	448.50	449.00	0.50	0.01
			291575	449.00	450.00	1.00	0.00
455.50	476.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, moderately foliated with foliation @ 40 DTCA, patchy sericitic alteration, abundant calcite stringers oriented @ 50 to 60 DTCA, from 464.1 to 465.0 dark green flowy section with hematitic staining and 1 to 2% diss and blebby py, from 466.7 to 470.6, pinkish medium grained granodioritic xenoliths up to 1 meter in width notably from 468.0 to 469.0 granodioritic xenoliths possess pinkish reddish hue with hematitic and potassic alteration, tr sulphides	291576	462.00	463.00	1.00	0.01
			291577	463.00	464.00	1.00	0.20
			291578	464.00	465.00	1.00	0.14
476.00	478.60	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, hematitic, potassic, interstitial plag, qtz and hornblende, medium grained, tr sul, shp HW and FW ct' @ 40 and 50 DTCA respectively					

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
478.60	510.50	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, massive, fine grained, scattered qtz-calcite veinlets throughout oriented @ 40 to 50 DTCA, tr sul, localized hematitic staining, @ 503.5 5 cm grey carb vnt @ 80 DTCA with 2 to 3% subhedral py, from 505.5 to 506.5 light green, slightly brecciated, sericitized section localized hyaloclastite, tr sul	291579	503.00	503.50	0.50	0.02
			291580	503.50	504.00	0.50	0.59
			291581	504.00	505.00	1.00	0.02
510.50	512.40	GRD_HEM, Granodiorite - Hematized (Melkior) purplish white, medim grained, slightly hematitic, potassic, silicified, probable granodioritic xenolith, tr sul, shp HW and FW ct' @ 40 and 60 DTCA,					
512.40	533.80	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fg, massive homogeneous, somewhat fractured and blocky ground with fractures predominantly oriented @ 40 to 50 DTCA, patchy hematitic staining throughout, from 516 to 519 5 granodioritic dyklets no wider than 8 cm and oriented @ 60 to 70 DTCA, tr sul					
533.80	549.30	QFP, QUARTZ FELDSPAR PORPHYRY dark reddish grey, massive, homogeneous, stained with hematite, siliceous, mottled with white plag phenocrysts, from 547 to 549.3 porphyry takes on reddish orange hue, silicified with patchy hematitic and potassic alteration throughout, tr sul, shp HW and FW ct' @ 20 and 50 DTCA					
549.30	554.30	MV, Melkior - Mafic Volcanic Rock dark grey-geen, chloritic, slightly siliceous, more intermediate in composition, massive, homogeneous, scattered qtz-calcite vnt' and stringers predominantly oriented @ 50 to 60 DTCA with some vnt para to CA, approx 1 to 2% diss and blebby py	291582	549.30	550.00	0.70	0.02
			291583	550.00	551.00	1.00	0.02
			291584	551.00	552.00	1.00	0.01
			291585	552.00	553.00	1.00	0.02
			291586	553.00	554.00	1.00	0.02
554.30	564.70	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, silicified, chloritic, locally potassic alteration, massive homogeneous, speckled with leucoxene flakes, blocky fractured core, tr sul shp HW and FW ct' @ 20 and 30 DTCA					

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
564.70	598.20	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally sericitic, largely massive with some localized brecciated hyaloclastite, some blocky and fractured sections throughout but generally well indurated and competent ground, abundant qtz-calcite vnt' and stringers varying in orientation from 40 to 80 DTCA, approx 1 to 2% diss py, from 582.8 to 583.1 strongly fractured section, possible fault with fractures parallel to CA, from 583.7 to 583.84 white albitic vn @ 70 DTCA, tr sul, from 583.84 to 584.7 bleached brecciated sericitized section, blocky fractured core, from 584.7 to 585.0 creamy white albitic vn @ 80 DTCA, tr sul, @ 591.3 3 cm white qtz-calcite vn @ 50 DTCA with 2 to 3% blebby py,	291587	573.00	574.00	1.00	0.01
			291588	574.00	575.00	1.00	0.01
			291589	575.00	576.00	1.00	0.04
			291591	578.00	579.00	1.00	0.01
			291592	579.00	580.00	1.00	0.01
			291593	580.00	581.00	1.00	0.01
			291594	581.00	582.00	1.00	0.04
			291595	582.00	583.00	1.00	0.04
			291596	583.00	584.00	1.00	0.01
			291597	584.00	585.00	1.00	0.00
			291598	585.00	586.00	1.00	0.02
			291599	586.00	587.00	1.00	0.03
			291600	587.00	588.00	1.00	0.00
			291601	588.00	589.00	1.00	0.00
			291602	589.00	590.00	1.00	0.00
			291603	590.00	590.50	0.50	0.00
			291604	590.50	591.00	0.50	0.02
			291605	591.00	591.50	0.50	0.03
			291606	591.50	592.00	0.50	0.01
			291607	592.00	593.00	1.00	0.01
			291608	593.00	594.00	1.00	0.03
			291609	594.00	595.00	1.00	0.00
			291611	595.00	596.00	1.00	0.01
			291612	596.00	597.00	1.00	0.01
			291613	597.00	597.50	0.50	0.04
			291614	597.50	598.20	0.70	0.01
598.20	600.00	QV, Quartz Vein Lower zone, from 598.1 to 599.1 black, silicified graphite and magnetite (weakly magnetic) with dark grey bands of carbonate and approx 10 to 12% aggregates of subhedral py occurring as segregated bands parallel to carbonate banding @ 30 DTCA, from 599.1 to 599.7 dark green, chloritic with approx 8 to 10% subhedral py occurring as segregated bands or fracture infillings parallel to foliation @ 40 DTCA, scattered carb sts perp to CA, fractured FW ct with fractures parallel to CA	291615	598.20	599.00	0.80	0.05
			291616	599.00	599.50	0.50	0.51
			291617	599.50	600.00	0.50	0.48

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
600.00	669.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fine grained, localized hyaloclastite but generally massive, from 600 to 600.3 crackle breccia with qtz, fractured, tr sul, from 600.8 to 601.0 crackle breccia with qtz matrix, tr sul, from 607.9 to 609.3 dark green to black with grey carbonate and black brecciated patches of magnetite, approx 5 to 6% scattered subhedral to euhedral py xl' throughout, from 613.1 to 613.2 10 cm grey qtz-carb vn @ 50 DTCA with 3 to 4% blebby py, @ 616.4 5 cm white qv @ 60 DTCA with 2 to 3% subhedral py, from 625.0 to 631.0 slightly altered mineralized zone with approx 6 to 7% diss and blebby py throughout, @ 626.4 5 cm qtz-carb vn @ 20 DTCA with approx 6 to 7% subhedral py xl' abundant qtz-calcite sts @ 60 to 80 DTCA, from 632 to 636.0 approx 5 to 6% disseminated, blebby and subhedral py concentrations locd along qtz stringers notably @ 635.16 3 cm qtz bleb with 8 to 10% patchy subhedral py and 635.4 4 cm grey qz vnt @ 50 DTCA with 5 to 6% patchy subhedral py, from 639 to 650 locally brecciated hyaloclastite, sericitic patches, approx 4 to 5% subhedral py locd along microfractures, @ 644.2 black and dark grey carbonate and magnetite @ 70 DTCA with 6 to 7% blebby and subhedral py, @ 649.9 creamy white granodioritic dyke @ 70 DTCA with tr sul, @ 655.25 17 cm dark grey qv rimmed with grey carbonate and possessing approx 12 to 15% subhedral aggregates of py and possible specks of vg, from 455.55 to 455.65 9 cm dark grey qv rimmed with grey carbonate and possessing approx 10 to 12% subhedral aggregates of brassy py, vn @ 60 DTCA, from 659 to 666 fractured somewhat blocky intervals, section mottled with sericitized plag clasts,	291618	600.00	600.50	0.50	0.11
			291619	600.50	601.00	0.50	0.08
			291620	601.00	602.00	1.00	0.01
			291621	602.00	603.00	1.00	0.00
			291622	603.00	604.00	1.00	0.01
			291623	604.00	605.00	1.00	0.01
			291624	605.00	605.50	0.50	0.00
			291625	605.50	606.00	0.50	0.00
			291626	606.00	607.00	1.00	0.00
			291627	607.00	607.90	0.90	0.00
			291628	607.90	608.40	0.50	0.01
			291629	608.40	608.80	0.40	0.00
			291631	608.80	609.30	0.50	0.01
			291632	609.30	610.00	0.70	0.00
			291633	610.00	611.00	1.00	0.00
			291634	611.00	612.00	1.00	0.00
			291635	612.00	613.00	1.00	0.01
			291636	613.00	613.50	0.50	0.01
			291637	613.50	614.00	0.50	0.01
			291638	614.00	614.50	0.50	0.03
			291639	614.50	615.00	0.50	0.02
			291640	615.00	615.50	0.50	0.12
			291641	615.50	616.00	0.50	0.02
			291642	616.00	616.50	0.50	0.19
			291643	616.50	617.00	0.50	0.02
			291644	623.00	624.00	1.00	0.01
			291645	624.00	625.00	1.00	0.02
			291646	625.00	625.50	0.50	0.02
			291647	625.50	626.00	0.50	0.00
			291648	626.00	626.50	0.50	0.59
			291649	626.50	627.00	0.50	0.04
			291651	627.00	627.50	0.50	0.01
			291652	627.50	628.00	0.50	0.01
			291653	628.00	628.50	0.50	0.01
			291654	628.50	629.00	0.50	0.01
			291655	629.00	630.00	1.00	0.01
			291656	630.00	630.50	0.50	0.01
			291657	630.50	631.00	0.50	0.00
			291658	631.00	632.00	1.00	0.01
			291659	632.00	633.00	1.00	0.02
			291660	633.00	634.00	1.00	0.05
			291661	634.00	635.00	1.00	0.03
			291662	635.00	636.00	1.00	0.01

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			291663	639.00	640.00	1.00	0.03
			291664	640.00	641.00	1.00	0.01
			291665	641.00	642.00	1.00	0.01
			291666	642.00	643.00	1.00	0.01
			291667	643.00	644.00	1.00	0.04
			291668	644.00	645.00	1.00	0.01
			291669	645.00	646.00	1.00	0.03
			291671	646.00	647.00	1.00	0.02
			291672	647.00	648.00	1.00	0.01
			291673	648.00	649.00	1.00	0.00
			291674	654.00	654.50	0.50	0.01
			291675	654.50	655.00	0.50	0.02
			291676	655.00	655.50	0.50	0.03
			291677	655.50	656.00	0.50	0.01
			291678	656.00	656.50	0.50	0.00
			291679	656.50	657.00	0.50	0.00
			291680	667.00	668.00	1.00	0.01
			291681	668.00	669.00	1.00	0.00
669.00	671.30	BaFBx, Melkior - Basalt Flow Breccia dark green to dark grey, flow brecciated grey carbonate patches, predominantly chloritic, from 671 to 671.3 dark grey silicified and carbonaceous section with 5 to 6% diss and blebby py, ct' @ 70 DTCA	291682	669.00	670.00	1.00	0.01
			291683	670.00	670.50	0.50	0.02
			291684	670.50	671.00	0.50	0.01
			291685	671.00	671.50	0.50	0.01
671.30	705.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fine grained, localized hyaloclastite but generally massive, sericitic patches throughout, mottled with sericitized plagioclase clasts, tr sul, abundant calcite vnt' and sts perpendicular to CA, from 702 to 705 approx 2 to 3% scatted subhedral and euhedral py xl' EOH	291686	671.50	672.00	0.50	0.01
			291687	702.00	703.00	1.00	0.01
			291688	703.00	704.00	1.00	0.01
			291689	704.00	705.00	1.00	0.02

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291489	36.00	37.00	0.0025
291491	37.00	38.00	0.0025
291492	46.00	46.50	0.0025
291493	46.50	47.00	0.0025
291494	60.00	61.00	0.0025
291495	61.00	62.00	0.0025
291496	62.00	63.00	0.0025
291497	63.00	64.00	0.0025
291498	64.00	65.00	0.0025
291499	65.00	66.00	0.0025
291500	66.00	66.50	0.0025

Hole Number: **CAR-20-10**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291501	87.00	88.00	0.0190
291502	88.00	89.00	0.0025
291503	89.00	90.00	0.0060
291504	107.00	108.00	0.0100
291505	108.00	109.00	0.0850
291506	109.00	109.60	0.0050
291507	189.00	190.00	0.0080
291508	190.00	191.00	0.0190
291509	191.00	192.00	0.0230
291511	204.00	205.00	0.6420
291512	205.00	206.00	0.0410
291513	206.00	207.00	0.0400
291514	207.00	208.00	0.0110
291515	208.00	209.00	0.0140
291516	351.00	352.00	0.0025
291517	352.00	353.00	0.0210
291518	353.00	354.00	0.0025
291519	354.00	355.00	0.0025
291520	372.00	373.00	0.0025
291521	373.00	374.00	0.0025
291522	374.00	375.00	0.0025
291523	399.00	400.00	0.0160
291524	400.00	401.00	0.0150
291525	401.00	402.00	0.0025
291526	402.00	403.00	0.0025
291527	403.00	404.00	0.0140
291528	404.00	405.00	0.0090
291529	405.00	406.00	0.0025
291531	406.00	407.00	0.0180
291532	407.00	408.00	0.0260
291533	408.00	408.50	0.0310
291534	408.50	409.00	4.3600
291535	409.00	409.50	3.4600
291536	409.50	410.00	5.9000
291537	410.00	410.50	0.0240
291538	410.50	411.00	1.9500
291539	411.00	411.50	0.0100
291540	411.50	412.10	0.3350
291541	412.10	412.60	40.1000

Hole Number: **CAR-20-10**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291542	412.60	413.10	0.3370
291543	413.10	414.00	1.9100
291544	414.00	414.60	0.1980
291545	414.60	415.00	0.0120
291546	415.00	416.00	0.0080
291547	416.00	417.00	0.0430
291548	417.00	418.00	0.0200
291549	418.00	418.50	0.0260
291551	418.50	419.00	0.0230
291552	419.00	419.50	0.0280
291553	419.50	420.00	0.0110
291554	420.00	420.50	0.0060
291555	420.50	421.00	0.0490
291556	421.00	422.00	0.0170
291557	422.00	423.00	0.0060
291558	423.00	424.00	0.0070
291559	424.00	425.00	0.0025
291560	425.00	425.50	0.0180
291561	425.50	426.00	0.0070
291562	426.00	427.00	0.0025
291563	427.00	428.00	0.2040
291564	428.00	429.00	0.4890
291565	429.00	430.00	0.0300
291566	430.00	431.00	0.0320
291567	431.00	432.00	0.1040
291568	432.00	432.70	0.1560
291569	432.70	433.30	0.1450
291571	433.30	434.00	0.0090
291572	434.00	435.00	0.0310
291573	448.00	448.50	0.0080
291574	448.50	449.00	0.0090
291575	449.00	450.00	0.0025
291576	462.00	463.00	0.0090
291577	463.00	464.00	0.2040
291578	464.00	465.00	0.1370
291579	503.00	503.50	0.0220
291580	503.50	504.00	0.5860
291581	504.00	505.00	0.0230
291582	549.30	550.00	0.0160

Hole Number: **CAR-20-10**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291583	550.00	551.00	0.0180
291584	551.00	552.00	0.0110
291585	552.00	553.00	0.0220
291586	553.00	554.00	0.0240
291587	573.00	574.00	0.0090
291588	574.00	575.00	0.0050
291589	575.00	576.00	0.0370
291591	578.00	579.00	0.0080
291592	579.00	580.00	0.0050
291593	580.00	581.00	0.0080
291594	581.00	582.00	0.0360
291595	582.00	583.00	0.0430
291596	583.00	584.00	0.0050
291597	584.00	585.00	0.0025
291598	585.00	586.00	0.0190
291599	586.00	587.00	0.0260
291600	587.00	588.00	0.0025
291601	588.00	589.00	0.0025
291602	589.00	590.00	0.0025
291603	590.00	590.50	0.0025
291604	590.50	591.00	0.0190
291605	591.00	591.50	0.0310
291606	591.50	592.00	0.0140
291607	592.00	593.00	0.0050
291608	593.00	594.00	0.0320
291609	594.00	595.00	0.0025
291611	595.00	596.00	0.0110
291612	596.00	597.00	0.0140
291613	597.00	597.50	0.0350
291614	597.50	598.20	0.0060
291615	598.20	599.00	0.0530
291616	599.00	599.50	0.5070
291617	599.50	600.00	0.4800
291618	600.00	600.50	0.1140
291619	600.50	601.00	0.0800
291620	601.00	602.00	0.0090
291621	602.00	603.00	0.0025
291622	603.00	604.00	0.0130
291623	604.00	605.00	0.0090

Hole Number: **CAR-20-10**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291624	605.00	605.50	0.0025
291625	605.50	606.00	0.0025
291626	606.00	607.00	0.0025
291627	607.00	607.90	0.0025
291628	607.90	608.40	0.0050
291629	608.40	608.80	0.0025
291631	608.80	609.30	0.0050
291632	609.30	610.00	0.0025
291633	610.00	611.00	0.0025
291634	611.00	612.00	0.0025
291635	612.00	613.00	0.0080
291636	613.00	613.50	0.0110
291637	613.50	614.00	0.0070
291638	614.00	614.50	0.0270
291639	614.50	615.00	0.0180
291640	615.00	615.50	0.1220
291641	615.50	616.00	0.0190
291642	616.00	616.50	0.1860
291643	616.50	617.00	0.0210
291644	623.00	624.00	0.0050
291645	624.00	625.00	0.0150
291646	625.00	625.50	0.0210
291647	625.50	626.00	0.0025
291648	626.00	626.50	0.5880
291649	626.50	627.00	0.0370
291651	627.00	627.50	0.0120
291652	627.50	628.00	0.0120
291653	628.00	628.50	0.0060
291654	628.50	629.00	0.0080
291655	629.00	630.00	0.0090
291656	630.00	630.50	0.0130
291657	630.50	631.00	0.0025
291658	631.00	632.00	0.0060
291659	632.00	633.00	0.0150
291660	633.00	634.00	0.0540
291661	634.00	635.00	0.0300
291662	635.00	636.00	0.0070
291663	639.00	640.00	0.0270
291664	640.00	641.00	0.0050

Hole Number: **CAR-20-10**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291665	641.00	642.00	0.0080
291666	642.00	643.00	0.0110
291667	643.00	644.00	0.0350
291668	644.00	645.00	0.0070
291669	645.00	646.00	0.0270
291671	646.00	647.00	0.0180
291672	647.00	648.00	0.0070
291673	648.00	649.00	0.0025
291674	654.00	654.50	0.0090
291675	654.50	655.00	0.0220
291676	655.00	655.50	0.0320
291677	655.50	656.00	0.0070
291678	656.00	656.50	0.0025
291679	656.50	657.00	0.0025
291680	667.00	668.00	0.0050
291681	668.00	669.00	0.0025
291682	669.00	670.00	0.0060
291683	670.00	670.50	0.0180
291684	670.50	671.00	0.0090
291685	671.00	671.50	0.0060
291686	671.50	672.00	0.0090
291687	702.00	703.00	0.0060
291688	703.00	704.00	0.0090
291689	704.00	705.00	0.0180

DETAILED LOG

Hole Number: **CAR-20-11**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -67.00
Project Number: MELKIOR	North: 5358015.32	North: 35016.30	Collar Az: 240.00
Location: Carscallen Township	East: 451880.04	East: -129630.23	Length: 581.00
	Elev: 330.60	Elev: 5030.60	Start Depth: 0.00
Date Started: Dec 08, 2020	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Dec 19, 2020	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-67.00	EZ Sho	OK		39.00	240.90	-66.00	EZ Sho	OK	
90.00	240.50	-66.40	EZ Sho	OK		141.00	241.30	-66.60	EZ Sho	OK	
192.00	242.50	-66.50	EZ Sho	OK		282.00	241.00	-66.40	EZ Sho	OK	
384.00	241.00	-65.80	EZ Sho	OK		435.00	238.50	-65.30	EZ Sho	OK	
486.00	241.90	-64.90	EZ Sho	OK		537.00	238.80	-64.70	EZ Sho	OK	
581.00	240.40	-64.80	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	23.10	OVB, MELKIOR - Overburden					
23.10	28.20	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, homogeneous, scattered carb sts predominantly oriented @ 60 DTCA, tr sul					
28.20	33.30	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white but stained with rusting, slightly more blocky section, silicified, slightly potassic, tr sul					
33.30	41.00	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish hue, predominantly potassic, slightly hematitic and variably epidotized, scattered carb sts @ 30 DTCA, tr sul					
41.00	45.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly sheared, weakly carbonatized, shearing at 30 DTCA, localized rusted staining, @ 42.7 3 cm qtz-chl vnt @ 30 DTCA, tr sul, approx 1 to 2% diss py throughout, @ 45.0 3 cm qtz-chl vnt perpendicular to CA, tr sul	291691	41.00	42.00	1.00	0.01
			291692	42.00	43.00	1.00	0.02
			291693	43.00	44.00	1.00	0.01
			291694	44.00	45.00	1.00	0.00
			291695	45.00	45.80	0.80	0.01
45.80	48.50	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, homogeneous, scattered carb sts predominantly oriented @ 30 DTCA, tr sul					

DETAILED LOG

Hole Number: **CAR-20-11**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
48.50	56.60	GRD_SIL, Granodiorite - Silicified (Melkior) creamy pinkish hue, predominantly silicified, weakly ptassic, slightly hematitic scattered carb sts @ 30 to 50 DTCA, tr sul					
56.60	69.50	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende,, intercalated dark grey carbonatized zones no wider than 20 cm @ 40 to 50 DTCA, some patcy hematitic staining, tr sul					
69.50	72.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized with occasional carb sts, from 71.5 to 71.8 sulphide enriched zone comprised of 5 to 5% blebby and subhedral py throughout matrix and concentrated along 1 to 2 Cm qtz-carb stringers @ 50 to 80 DTCA	291696	69.50	70.00	0.50	0.02
			291697	70.00	70.80	0.80	0.00
			291698	70.80	71.30	0.50	0.00
			291699	71.30	71.80	0.50	0.30
			291700	71.80	72.30	0.50	0.02
72.30	76.40	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, homogeneous, @ 75.7 1 cm cb stringer perpendicular to CA within 5 cm grey carbonatized halo, approx 2 to 3% subhedral py	291701	72.30	73.00	0.70	0.00
			291702	75.00	75.90	0.90	0.01
			291703	75.90	76.40	0.50	0.00
76.40	79.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly fractured, weakly carbonatized and silicified, approx 1 to 2% diss py, dark grey 12 cm chloritic xenolith @ 77.8 m, tr sul	291704	76.40	77.00	0.60	0.01
			291705	77.00	78.00	1.00	0.01
			291706	78.00	79.10	1.10	0.01
79.10	83.50	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, from 80.7 to 81.0 fractured blocky core with rusting, possible fault with fractures perp to CA					
83.50	86.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly sheared, slightly fractured, weakly carbonatized, rusted alteration, occasional qtz-chl vnt @ 70 and parallel to CA, tr sul	291707	83.50	84.00	0.50	0.00
			291708	84.00	85.00	1.00	0.00
			291709	85.00	86.00	1.00	0.00
			291711	86.00	86.80	0.80	0.02
86.80	95.20	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul					
95.20	97.80	GRD_SIL, Granodiorite - Silicified (Melkior) dark creamy hue, predominantly silicified, weakly carbonatized, slightly chloritic, abundant carb sts predominantly oriented @ 40 to 50 DTCA, tr sul	291712	95.20	96.00	0.80	0.00
			291713	96.00	96.60	0.60	0.00
			291714	96.60	97.20	0.60	0.00
			291715	97.20	97.80	0.60	0.00
97.80	100.20	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul					
100.20	102.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly sheared, carbonatized, scattered qtz-cb sts and vnt' no wider than 2 cm parallel to weak shearing @ 50 DTCA, approx 1 to 2% diss and blebby py	291716	100.20	101.00	0.80	0.00
			291717	101.00	102.00	1.00	0.00
			291718	102.00	102.50	0.50	0.01
102.50	107.30	GRD_SIL, Granodiorite - Silicified (Melkior) dark creamy hue, predominantly silicified, weakly carbonatized, slightly chloritic, approx 1 to 2% diss py					

Hole Number: **CAR-20-11**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
107.30	111.30	QFP, QUARTZ FELDSPAR PORPHYRY light green, predominantly sericitic alteration, admixture of intercalated porphyritic and silicified granodioritic sections, @ 107.8 8 cm qtz-albite-chlorite vn perpendicular to CA with tr sul, approx 1 to 2% diss and blebby py throughout	291719	108.00	109.00	1.00	0.00
			291720	109.00	110.00	1.00	0.00
			291721	110.00	111.00	1.00	0.00
111.30	124.60	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul, intermittent greyish pinkish zones, slightly carbonatized and potassic no wider than 20 cm, scattered carb sts @ 30 to 40 DTCA, gradational FW ct					
124.60	132.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark creamy hue, predominantly silicified, weakly carbonatized, slightly chloritic, approx 1 to 2% diss py, 2 128.5 1 cm carb stringer @ 70 DTCA with 3 to 4% subhedral py, 127.7 to 127.8 pinkish aphanitic felsic dyke @ 60 DTCA within sericitized sheared section from 128.1 to 128.3 pink felsic dyke @ 60 DTCA, tr sul	291722	126.00	127.00	1.00	0.01
			291723	127.00	127.50	0.50	0.02
			291724	127.50	128.00	0.50	0.00
			291725	128.00	128.50	0.50	0.02
			291726	128.50	129.00	0.50	0.01
132.00	136.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly sheared, carbonatized, scattered yellowis leucoxene flakes, @ 132.8 5 cm white qv perpendicular to CA, tr sul, from 134.8 to 135.3 approx 2 to 3% blebby and subhedral py throughout wallrock	291727	134.00	134.80	0.80	0.00
			291728	134.80	135.30	0.50	0.03
			291729	135.30	136.00	0.70	0.00
136.30	140.00	GRD_POT, Granodiorite - Potassic (Melkior) light pinkish orange, slightly greenish hue, potassic, weakly epidotized, silicified glomeroporphyritic texture, tr sul					
140.00	142.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly sheared, carbonatized,					
142.40	148.20	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul,@ 146.5 2 cm qtz vnt @ 60 DTCA, tr sull					
148.20	152.80	GRD_SIL, Granodiorite - Silicified (Melkior) dirty grey, slightly pinkish and greenish with variable amounts of silicification, potassic and epidotitic alteration, weakly carbonatized, @ 149.5 3 cm qtz-chl vn perpendicular to CA with 2 to 3% subhedral py and stained with hematite	291731	148.20	149.00	0.80	0.01
			291732	149.00	149.50	0.50	0.02
			291733	149.50	150.00	0.50	0.01
			291734	150.00	150.50	0.50	0.01
152.80	158.40	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, tr sul					
158.40	159.00	FZ, Fault Zone faulted, fractured and crumbled core, light greyish green, sericitized, fractures @ 30 DTCA, tr sul					
159.00	171.70	GRD_HEM, Granodiorite - Hematized (Melkior) reddish pinkish predomiantly hematitic, potassic glomeroporphyritic texture, from 159 to 159.6 sheared texture with shearing @ 30 DTCA, tr sul, from 162 to 171.7 darker greyish pink, slightly more potassic alteration, abundant cb sts no wider than 1 cm @ 30 to 50 DTCA, tr sul, sheared fractured FW ct @ 40 DTCA	291735	163.50	164.00	0.50	0.00
			291736	164.00	165.00	1.00	0.01
			291737	165.00	166.00	1.00	0.00
			291738	166.00	167.00	1.00	0.00
			291739	167.00	168.00	1.00	0.12

Hole Number: **CAR-20-11**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
171.70	186.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish orange, predominantly potassic, slightly hematitic, abundant interstitial qtz phenocrysts, moderately sheared with shearing @ 40 DTCA, scattered chloritic and sericitic bands throughout parallel to shearing, tr sul					
186.00	190.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, wealy carbonatized, chloritic with diffuse sericitic bands parallel to shearing @ 50 DTCA, tr sul	291740	189.00	190.00	1.00	0.01
			291741	190.00	190.80	0.80	0.01
190.80	192.00	FZ, Fault Zone dark grey, sericitic banding, fractured blocky and crumbled core with fault gouge on fractured surfaces, fractures predominantly @ 40 DTCA, zone of intense shearing, tr sul	291742	190.80	192.00	1.20	0.01
192.00	195.70	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish creamy yellow hue, predominantly silicified with interstitial blue qtz eyes, slightly sericitized plagioclase and hornblende, dark chloritic patches throughout, tr sul, garaditional FW ct perp to CA	291743	192.00	193.00	1.00	0.02
			291744	193.00	194.00	1.00	0.03
			291745	194.00	195.00	1.00	0.00
195.70	202.10	GRD_POT, Granodiorite - Potassic (Melkior) pinish orange hue, predominantly potassic, glomeroporphyritic texture, weakly epidotized, tr sul					
202.10	204.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, weakly carbonatized, chloritic, mottled with white calcite patches, interstitial plagioclase, tr sul	291746	202.10	203.00	0.90	0.07
			291747	203.00	204.00	1.00	0.01
			291748	204.00	204.60	0.60	0.01
204.60	208.70	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red hue, hematitic, weakly potassic, white calcite patches throughout, glmeroporphyritic, weak epidotitic alteration, tr sul					
208.70	213.80	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul, from 211.1 to 211.8 altered chloritic, hematitic section with blue qtz eyes, tr sul					
213.80	218.90	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, tr sul, fractured core with fractures @ 30 DTCA					
218.90	223.90	GRD_HEM, Granodiorite - Hematized (Melkior) dark greyish pink, sligtly more hematitic, weakly potassic abundant interstitial blue qtz eyes, approx 1 to 2% diss py	291749	218.90	220.00	1.10	0.00
			291751	220.00	221.00	1.00	0.01
			291752	221.00	222.00	1.00	0.00
			291753	222.00	223.00	1.00	0.00
			291754	223.00	223.90	0.90	0.00

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
223.90	231.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to creamy white, carbonatized and silicified mineralized zone marked by scattered qtz-carb vnt' with subhedral aggregates of py to semi-massive concentrations, designated as Upper Zone 1, from 223.3 to 223.5 carbonatized zone with 1 cm carb stringer @ 50 DTCA nad 3 to 4% blebby and subhedral py within surrounding wallrock, @ 225.1 2 cm grey carb vnt @ 40 DTCA with 12 to 15% subhedral aggregates of py, @ 225.5 2 cm grey qtz vnt @ 30 DTCA with 3 to 4% subhedral py and 1 to 2% cpy, @ 230.0 17 cm white qv @ 50 DTCA with 15 to 20% semi-massive clusters of subhedral py, @ 229.8 2 cm grey qtz vnt @ 30 DTCA with 15-20% subhedral py and 2 to 3% cpy	291755	223.90	224.50	0.60	0.05
			291756	224.50	225.00	0.50	0.01
			291757	225.00	225.50	0.50	0.07
			291758	225.50	226.00	0.50	0.04
			291759	226.00	226.50	0.50	0.00
			291760	226.50	227.00	0.50	0.00
			291761	227.00	227.50	0.50	0.01
			291762	227.50	228.00	0.50	0.00
			291763	228.00	228.50	0.50	0.00
			291764	228.50	229.00	0.50	0.00
			291765	229.00	229.50	0.50	0.00
			291766	229.50	229.90	0.40	0.26
			291767	229.90	230.40	0.50	3.91
			KL015015	229.90	230.40	0.50	
			291768	230.40	231.00	0.60	0.02
231.00	240.20	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, interstitial blue qtz eyes, locally fractured with fractures @ 20 to 30 DTCA, from 237.0 to 237.5 locd carbonatized and chloritic "grey zone", approx 1 to 2% diss py, from 237.5 to 238.6 slightly more silicified granodiorite, tr sul, shp FW ct perp to CA	291769	231.00	232.00	1.00	0.01
			291771	232.00	233.00	1.00	0.00
			291772	233.00	234.00	1.00	0.00
			291773	234.00	235.00	1.00	0.01
			291774	235.00	236.00	1.00	0.33
			291775	236.00	237.00	1.00	0.01
			291776	237.00	238.00	1.00	0.01
			291777	238.00	238.60	0.60	0.01
			291778	238.60	239.10	0.50	0.01
			291779	239.10	240.00	0.90	0.01
			291780	240.00	240.50	0.50	0.05
240.20	244.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, unit mottled with leucoxene flakes, multiple qtz vnt' averaging 2 cm in width hosting 8 to 10% subhedral aggregates of py and oriented @ 40 DTCA, notably @ 240.9, 241.0, 241.5, 241.8 and 243.8 meters, designated as "Upper zone 2", fractured FW ct para to CA	291781	240.50	241.00	0.50	0.62
			291782	241.00	241.50	0.50	0.47
			291783	241.50	242.00	0.50	1.08
			291784	242.00	242.50	0.50	0.04
			291785	242.50	243.00	0.50	0.22
			291786	243.00	243.50	0.50	0.03
			291787	243.50	244.00	0.50	0.06
			291788	244.00	244.70	0.70	1.80
			KL015018	244.20	244.70	0.50	
244.70	252.10	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, interstitial blue qtz eyes, weakly epidotitic, tr sul					
252.10	258.67	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul, dark green chloritic mafic dykes or xenoliths throughout, notably from 256.2 to 256.9 meters, tr sul					

DETAILED LOG

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
258.67	266.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, unit mottled with leucoxene flakes, approx 1 to 2% diss py throughout, @ 263.5 1 cm vuggy qtz stringer @ 20 DTCA, tr sul	291789	263.00	264.00	1.00	0.01
			291791	264.00	265.00	1.00	0.02
			291792	265.00	266.00	1.00	0.01
			291793	266.00	266.60	0.60	0.00
266.60	270.00	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, interstitial blue qtz eyes, from 267.63 to 267.7 orange potassic aplitic dyke @ 60 DTCA, tr sul					
270.00	272.30	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul,					
272.30	283.50	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, interstitial blue qtz eyes, from 273.2 to 273.7 dark grey carbonatized and chloritic zone with 1 to 2% blebby py, from 276.3 to 276.7 orange potassic aphanitic aplitic dyke @ 40 DTCA	291794	273.00	273.70	0.70	0.01
			291795	273.70	274.20	0.50	0.00
			291796	274.20	275.00	0.80	0.02
283.50	288.10	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, tr sul, dark green fine grained chloritic dykes notably from 287.5 to 287.8 meters					
288.10	291.70	MI, Melkior - Mafic Intrusive dark green, massive, homogeneous, predominantly chloritic, from 290.0 to 290.6 orange potassic aphanitic aplitic dyke @ 70 DTCA, tr sul, shp HW and FW ct' for mafic dyke perp to CA,	291797	290.00	291.00	1.00	0.00
			291798	291.00	292.00	1.00	0.03
291.70	293.70	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, predominantly epidotitic but with weak kematic and potassic alteration	291799	292.00	293.00	1.00	0.00
			291800	293.00	293.70	0.70	0.01
293.70	298.80	GRD_SIL, Granodiorite - Silicified (Melkior) predominantly silicified but variably altered with epidotitic, potassic and hematitic phases, unit possesses 3 vn' with coarse grained semi-massive subhedral aggregates of py with the widest vn 4 cm in width @ 293.8 meters with approx 20 to 25% subhedral aggregates of py and possible cluster of specks of vg, @ 296.2 2 cm qtz vnt @ with 12 to 15% subhedral py @ 50 DTCA, @ 296.6 2 cm qtz vnt @ 50 DTCA with 12 to 15% subhedral py	291801	293.70	294.20	0.50	12.30
			KL015016	293.70	294.20	0.50	
			291802	294.20	295.00	0.80	0.03
			291803	295.00	295.50	0.50	0.02
			291804	295.50	296.20	0.70	0.77
			291805	296.20	296.70	0.50	0.75
			291806	296.70	297.20	0.50	0.01
			291807	297.20	298.00	0.80	0.01
			KL015017	298.00	298.40	0.40	
			291808	298.00	298.80	0.80	5.48
298.80	303.70	GRD_POT, Granodiorite - Potassic (Melkior) dark reddish orange, potassic and weakly hematitic glomeroporphyritic texture, patchy white calcite mottling unit, tr sul, gradional FW ct	291809	298.80	300.00	1.20	0.12
303.70	304.80	GRD_SIL, Granodiorite - Silicified (Melkior) dirty greyish cream colouration, silicified, patchy white calcite throughout, weakly potassic, tr sul, shp FW ct @ 60 DTCA	291811	304.00	304.80	0.80	0.01

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
304.80	322.30	QFP, QUARTZ FELDSPAR PORPHYRY dark grey, massive, fine grained, homogeneous, siliceous and chloritic, occasional mottling with white plagioclase phenocrysts, speckled with qtz phenocrysts, approx 1 to 2% scattered subhedral py	291812	304.80	306.00	1.20	0.05
			291813	306.00	307.00	1.00	0.02
			291814	307.00	308.00	1.00	0.04
			291815	308.00	309.00	1.00	0.13
			291816	318.00	319.00	1.00	0.01
			291817	319.00	320.00	1.00	0.01
			291818	320.00	321.00	1.00	0.09
			291819	321.00	321.80	0.80	0.01
			291820	321.80	322.30	0.50	0.01
322.30	326.20	GRD_SIL, Granodiorite - Silicified (Melkior) dirty greyish cream colouration, silicified, chloritic, approx 1 to 2% diss py	291821	322.30	323.00	0.70	0.01
			291822	323.00	324.00	1.00	0.00
			291823	324.00	325.00	1.00	0.01
			291824	325.00	326.20	1.20	0.00
326.20	328.30	MV, Melkior - Mafic Volcanic Rock dark green, fine grained, chloritic, stained with patches of hematite, approx 7 to 8% scattered subhedral and euhedral xl' of py	291825	326.20	326.80	0.60	0.01
			291826	326.80	327.30	0.50	0.01
			291827	327.30	327.80	0.50	0.14
			291828	327.80	328.30	0.50	0.03
328.30	330.00	QV, Quartz Vein dark grey or silicified zone designated as "Lower Zone 2", comprised of qtz with patchy chlorite, approx 10 to 12% diss and subhedral aggregates of py occurring along 2nd order qtz-carb vnt' and sts @ 40 to 50 DTCA, and parallel to CA locd along carb bands, hematitic staining locd along microfractures, approx 1 to 2% cpy,asp and sph, shp HW ct @ 30 DTCA and fractured FW ct @ 50 DTCA,	291829	328.30	328.80	0.50	0.02
			291831	328.80	329.30	0.50	0.02
			291832	329.30	330.00	0.70	0.03
330.00	334.00	GRD_SIL, Granodiorite - Silicified (Melkior) dirty greyish cream colouration, silicified, chloritic, approx 1 to 2% diss py	291833	330.00	331.00	1.00	0.01
			291834	331.00	332.00	1.00	0.02
			291835	332.00	333.00	1.00	0.00
334.00	338.60	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, increased silicification and weakly potassic from 337.5 to 338.6, tr sul, from 336.7 to 337.0 dar green chloritic mafic dyke stained with hematite with HW ct para to CA and FW ct @ 60 DTCA, tr sul					
338.60	340.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, unit mottled with leucogene flakes, approx 1 to 2% diss py throughout, from 339.2 to 339.6 fractured, crumbled core, possible fault zone, fractures @ 60 DTCA	291836	338.60	339.10	0.50	0.00
			291837	339.10	339.60	0.50	0.00
			291838	339.60	340.30	0.70	0.01
340.30	344.90	GRD_SIL, Granodiorite - Silicified (Melkior) dirty greyish cream colouration, silicified, chloritic, approx 1 to 2% diss py					
344.90	350.50	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende,					
350.50	351.20	MV, Melkior - Mafic Volcanic Rock greyish gree, chloritic, slightly sericitic and siliceous, moderately foliated with foliaton @ 50 DTCA, approx 2 to 3% diss and blebby py	291839	350.50	351.20	0.70	0.02

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
351.20	352.00	IF, Melkior - Iron Formation burgandy red, predominantly hematitic, strongly foliated with carb bands parallel to foliation @ 40 DTCA, approx 8 to 10% subhedral aggregates of py aligned parallel to banding, shp HW and FW ct' @ 40 DTCA	291840	351.20	352.00	0.80	0.15
352.00	355.40	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, admixture of granodiorite with brecciated light green chloritic mafic volcanics, from 353.3 to 353.45 white qtz-chl vn @ 30 DTCA, tr sul, from 353.7 to 354.9 white qtz-chl vn perp to CA, tr sul	291841	352.00	353.00	1.00	0.02
			291842	353.00	354.00	1.00	0.02
			291843	354.00	354.90	0.90	0.01
			291844	354.90	355.40	0.50	0.01
355.40	365.10	MV, Melkior - Mafic Volcanic Rock dark greyish green, locally brecciated, blocky fractured core, predomintly chloritic, slightly siliceous, from 357.6 to 358.4 dark green to black qtz flooded zone witj localized crackle breccia from 358.1 to 358.5, approx 6 to 7% py locd along microfractures	291845	355.40	356.00	0.60	0.00
			291846	356.00	357.00	1.00	0.08
			291847	357.00	357.50	0.50	0.03
			291848	357.50	358.00	0.50	0.07
			291849	358.00	358.50	0.50	0.01
			291851	358.50	359.00	0.50	0.00
			291852	359.00	360.00	1.00	0.18
			291853	360.00	361.00	1.00	0.01
			291854	361.00	362.00	1.00	0.03
			291855	362.00	363.00	1.00	0.01
			291856	363.00	364.00	1.00	0.01
			291857	364.00	365.10	1.10	0.04
365.10	366.60	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotized, glomeroporphyritic texture, interstitial plag, qtz and hornblende, FW ct parallel to CA, tr sul					
366.60	394.50	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, fine to medium grained, localized hyaloclastite, patchy sericitic and epidotitic alteration, from 366.6 to 373 abundant patchy granodioritic xenoliths, from 372.4 to 373.0 fracctured creamy yellow FP dyke @ 50 DTCA, silicified and speckled with chlorite phenocryts, tr sul, @ 376.5 2 cm cb vnt @ 70 dtca smeared with 3 to 4% py, from 379.7 to 379.9 2 white 2 cm qtz vnt' within epidotized alteration halo @ 70 DTCA with 1 to 2% diss py, from 384.0 to 384.6 faulted blocky and fractured core with fractures @ 30 DTCA, tr sul, from 387.0 to 388.7 occasional granodioritic xenoliths up to 26 cm in width, tr sul, from 388.7 to 390.5 strongly fracture zone with fault gouge from 390 to 390.3 meters, from 391.0 to 392.5 dark green chloritic mineralized mafic volcanic comprised of approx 7 to 8% subhedral and euhedral py xl' throughout, sulphides localized along carb patches and vnt' @ 30 to 40 DTCA	291858	375.00	376.00	1.00	0.03
			291859	376.00	376.50	0.50	0.01
			291860	376.50	377.00	0.50	0.15
			291861	377.00	378.00	1.00	0.01
			291862	378.00	379.00	1.00	0.01
			291863	379.00	379.50	0.50	0.00
			291864	379.50	380.00	0.50	0.05
			291865	380.00	381.00	1.00	0.01
			291866	387.00	388.00	1.00	0.02
			291867	388.00	389.00	1.00	0.01
			291868	389.00	390.00	1.00	0.00
			291869	390.00	391.00	1.00	0.01
			291871	391.00	392.00	1.00	0.07
			291872	392.00	392.50	0.50	0.05
			291873	392.50	393.00	0.50	0.02
			291874	393.00	393.50	0.50	0.01
			291875	393.50	394.00	0.50	0.00
			291876	394.00	394.50	0.50	0.04

DETAILED LOG

Hole Number: **CAR-20-11**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
394.50	399.20	MI, Melkior - Mafic Intrusive light greyish green, chloritic, slightly siliceous and sericitic, massive, microfractures infilled with chlorite, shp HW ct @ 50 DTCA, gradational FW ct perp to CA, may be altered phase of the volcanics but appears intrusive, tr sul	291877	394.50	395.00	0.50	0.01
			291878	395.00	396.00	1.00	0.01
			291879	396.00	396.90	0.90	0.03
			291880	396.90	397.50	0.60	0.01
			291881	397.50	398.00	0.50	0.01
			291882	398.00	398.50	0.50	0.00
			291883	398.50	399.20	0.70	0.01
399.20	411.50	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally sericitic, brecciated hyaloclastite throughtout, locally epidotitic alteration, from 399.9 to 400.3 qtz floode zone with qtz veining with 5 cm qtz vn @ 70 DTCA, approx 12 to 15% semi-massive patchy and sybhedral py with 5 to 6% patchy cpy, from 405.6 to 406.0 dark green t purplish with hematitic staining and approx 20 to 25% patchy subhedral py, from 407.6 to 408.3 altered banded zone with 4 cm grey qtz vn @ 40 DTCA parallel to sericitic and chloritic banding, approx 12 to 15% subhedral aggregates of py locd within vn and @ 2 cm cb vnt @ 50 DTCA,	291884	399.20	399.80	0.60	0.03
			291885	399.80	400.40	0.60	0.25
			291886	400.40	401.00	0.60	0.01
			291887	401.00	402.00	1.00	0.01
			291888	402.00	403.00	1.00	0.00
			291889	403.00	404.00	1.00	0.01
			291891	404.00	405.00	1.00	0.01
			291892	405.00	405.50	0.50	0.03
			291893	405.50	406.00	0.50	0.24
			291894	406.00	406.50	0.50	0.02
			291895	406.50	407.00	0.50	0.03
			291896	407.00	407.50	0.50	0.01
			291897	407.50	408.00	0.50	1.98
			291898	408.00	408.50	0.50	5.67
			291899	408.50	409.00	0.50	0.01
		291900	409.00	410.00	1.00	0.02	
		291901	410.00	411.00	1.00	0.01	
		291902	411.00	412.00	1.00	0.01	
411.50	413.60	MI, Melkior - Mafic Intrusive light greyish green, chloritic, slightly siliceous and sericitic, massive, microfractures infilled with chlorite, scattered qtz stringers with approx 3 to 4% subhedral py locd along sts and occurring as blebby py throughout wallrock	291903	412.00	412.50	0.50	0.01
			291904	412.50	413.00	0.50	0.01
			291905	413.00	413.60	0.60	0.04

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
413.60	464.30	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, patchy sericitic and epidotitic alteration, slightly coarser grained sections with slight siliceous alteration, from 422.5 to 423.1 mineralized section with quartz flooding and approx 10 to 2% diss, blebby and subhedral py, from 423.1 to 423.5 fractured blocky creamy white aplitic dyke with 1 to 2% diss py, HW ct of dyke perpendicular to CA, @ 426.4 5 cm white qv @ 70 DTCA with 2 to 3% blebby and diss py locd along vn ct', from 434 to 449.2 fairly massive, dark green, chloritic, abundant qtz-cal vnt' and sts oriented from 50 to 60 DTCA, approx 1 to 2% diss py, from 449.2 to 450.0 fractured faulted section with approx 3 to 4% blebby and subhedral py, fractures subparallel to CA,	291906	413.60	414.20	0.60	0.01
			291907	414.20	415.00	0.80	0.01
			291908	415.00	416.00	1.00	0.01
			291909	416.00	417.00	1.00	0.00
			291911	422.00	422.50	0.50	0.01
			291912	422.50	423.00	0.50	0.02
			291913	423.00	423.50	0.50	0.00
			291914	423.50	424.00	0.50	0.01
			291915	424.00	425.00	1.00	0.01
			291916	425.00	425.50	0.50	0.03
			291917	425.50	426.00	0.50	0.02
			291918	426.00	427.00	1.00	0.01
			291919	427.00	428.00	1.00	0.00
			291920	428.00	429.00	1.00	0.00
			291921	429.00	430.00	1.00	0.01
			291922	430.00	431.00	1.00	0.01
			291923	447.00	448.00	1.00	0.00
			291924	448.00	448.50	0.50	0.01
			291925	448.50	449.00	0.50	0.01
			291926	449.00	450.00	1.00	0.02
			291927	450.00	451.00	1.00	0.01
			291928	451.00	452.00	1.00	0.02
			291929	452.00	453.00	1.00	0.01
464.30	468.20	QFP, QUARTZ FELDSPAR PORPHYRY light grey, massive, medium grained, mottled with sericitized plagioclase phenocrysts, from 467.1 to 467.3 white qv parallel to CA with tr sul, shp HW and FW ct' @ 50 DTCA, tr sul					
468.20	504.10	MV, Melkior - Mafic Volcanic Rock light to dark green, chloritic, weakly sericitic and siliceous, brecciated hyaloclastite, relic pillow selvages subparallel to CA, from 481 to 484.0 dark grey, carbonaceous with patchy calcite, approx 1 to 2% cpy locd along carb vnt' @ 481.1 and 481.8 meters, approx 3 to 4% diss and blebby py throughout, from 486 to 504.1 dark grey-green, fine grained, massive, chloritic, scattered qtz-carb sts from 70 to 90 DTCA, tr sul	291931	474.00	475.00	1.00	0.01
			291932	475.00	476.00	1.00	0.01
			291933	476.00	477.00	1.00	0.01
			291934	477.00	478.00	1.00	0.02
			291935	478.00	479.00	1.00	0.00
			291936	479.00	480.00	1.00	0.01
			291937	480.00	480.50	0.50	0.01
			291938	480.50	481.00	0.50	0.01
			291939	481.00	481.50	0.50	0.02
			291940	481.50	482.00	0.50	0.01
			291941	482.00	483.00	1.00	0.01
			291942	483.00	484.00	1.00	0.02
			291943	484.00	485.00	1.00	0.01
			291944	485.00	486.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-20-11**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
504.10	541.90	QFP, QUARTZ FELDSPAR PORPHYRY light grey to dark grey, siliceous, sericitic, massive, homogeneous, speckled with chloritic phens, occasionally mottled with sericitized plag phens, occasional white qtz vnt' crosscutting dyke @ high angles to CA, tr sul, shp FW ct perpendicular to CA	291945	541.00	541.90	0.90	0.00
541.90	581.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally sericitic and epidotitic patches throughout, scattered granodioritic dykes up to 40 cm in width notably @ 551.5 with ct' @ 60 DTCA, localized brecciated hyaloclastite, from 543.2 to 544.1 approx 5 to 6% blebby and scattered subhedral py xl', from 544.3 to 544.8 qtz flooded zone with 2 to 3% blebby py and 1 to 2% cpy locd @ 544.6 meters, from 549 to 553.0 approx 4 to 5% subhedral clusters of py locd proximal to carbonate patches and qtz-calcite sts and vnt' @ 60 to 70 DTCA, from 553 to 569 locd hyaloclastite, patchy epidotized granodioritic clasts, approx 2 to 2% diss and blebby py, from 579.0 to 581.0, slightly more intermediate in composition, possible andesite, slightly siliceous, 581.0 meters EOH	291946	541.90	543.00	1.10	0.01
			291947	543.00	543.50	0.50	0.01
			291948	543.50	544.10	0.60	0.01
			291949	544.10	544.90	0.80	0.06
			291951	544.90	546.00	1.10	0.01
			291952	549.00	550.00	1.00	0.05
			291953	550.00	551.00	1.00	0.10
			291954	551.00	552.00	1.00	0.00
			291955	552.00	553.00	1.00	0.04

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291691	41.00	42.00	0.0090
291692	42.00	43.00	0.0150
291693	43.00	44.00	0.0070
291694	44.00	45.00	0.0025
291695	45.00	45.80	0.0050
291696	69.50	70.00	0.0160
291697	70.00	70.80	0.0025
291698	70.80	71.30	0.0025
291699	71.30	71.80	0.3020
291700	71.80	72.30	0.0180
291701	72.30	73.00	0.0025
291702	75.00	75.90	0.0130
291703	75.90	76.40	0.0025
291704	76.40	77.00	0.0070
291705	77.00	78.00	0.0080
291706	78.00	79.10	0.0050
291707	83.50	84.00	0.0025
291708	84.00	85.00	0.0025
291709	85.00	86.00	0.0025
291711	86.00	86.80	0.0150
291712	95.20	96.00	0.0025
291713	96.00	96.60	0.0025

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291714	96.60	97.20	0.0025
291715	97.20	97.80	0.0025
291716	100.20	101.00	0.0025
291717	101.00	102.00	0.0025
291718	102.00	102.50	0.0080
291719	108.00	109.00	0.0025
291720	109.00	110.00	0.0025
291721	110.00	111.00	0.0025
291722	126.00	127.00	0.0060
291723	127.00	127.50	0.0180
291724	127.50	128.00	0.0025
291725	128.00	128.50	0.0170
291726	128.50	129.00	0.0060
291727	134.00	134.80	0.0025
291728	134.80	135.30	0.0300
291729	135.30	136.00	0.0025
291731	148.20	149.00	0.0050
291732	149.00	149.50	0.0210
291733	149.50	150.00	0.0110
291734	150.00	150.50	0.0130
291735	163.50	164.00	0.0025
291736	164.00	165.00	0.0070
291737	165.00	166.00	0.0025
291738	166.00	167.00	0.0025
291739	167.00	168.00	0.1240
291740	189.00	190.00	0.0070
291741	190.00	190.80	0.0080
291742	190.80	192.00	0.0140
291743	192.00	193.00	0.0220
291744	193.00	194.00	0.0270
291745	194.00	195.00	0.0025
291746	202.10	203.00	0.0650
291747	203.00	204.00	0.0050
291748	204.00	204.60	0.0080
291749	218.90	220.00	0.0025
291751	220.00	221.00	0.0070
291752	221.00	222.00	0.0025
291753	222.00	223.00	0.0025
291754	223.00	223.90	0.0025

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291755	223.90	224.50	0.0470
291756	224.50	225.00	0.0060
291757	225.00	225.50	0.0730
291758	225.50	226.00	0.0360
291759	226.00	226.50	0.0025
291760	226.50	227.00	0.0025
291761	227.00	227.50	0.0070
291762	227.50	228.00	0.0025
291763	228.00	228.50	0.0025
291764	228.50	229.00	0.0025
291765	229.00	229.50	0.0025
291766	229.50	229.90	0.2590
291767	229.90	230.40	3.9100
291768	230.40	231.00	0.0180
291769	231.00	232.00	0.0100
291771	232.00	233.00	0.0025
291772	233.00	234.00	0.0025
291773	234.00	235.00	0.0070
291774	235.00	236.00	0.3270
291775	236.00	237.00	0.0060
291776	237.00	238.00	0.0110
291777	238.00	238.60	0.0050
291778	238.60	239.10	0.0100
291779	239.10	240.00	0.0100
291780	240.00	240.50	0.0520
291781	240.50	241.00	0.6210
291782	241.00	241.50	0.4690
291783	241.50	242.00	1.0800
291784	242.00	242.50	0.0360
291785	242.50	243.00	0.2150
291786	243.00	243.50	0.0280
291787	243.50	244.00	0.0570
291788	244.00	244.70	1.8000
291789	263.00	264.00	0.0100
291791	264.00	265.00	0.0170
291792	265.00	266.00	0.0050
291793	266.00	266.60	0.0025
291794	273.00	273.70	0.0050
291795	273.70	274.20	0.0025

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291796	274.20	275.00	0.0160
291797	290.00	291.00	0.0025
291798	291.00	292.00	0.0340
291799	292.00	293.00	0.0025
291800	293.00	293.70	0.0060
291801	293.70	294.20	12.3000
291802	294.20	295.00	0.0310
291803	295.00	295.50	0.0200
291804	295.50	296.20	0.7670
291805	296.20	296.70	0.7480
291806	296.70	297.20	0.0110
291807	297.20	298.00	0.0110
291808	298.00	298.80	5.4800
291809	298.80	300.00	0.1180
291811	304.00	304.80	0.0120
291812	304.80	306.00	0.0520
291813	306.00	307.00	0.0240
291814	307.00	308.00	0.0440
291815	308.00	309.00	0.1250
291816	318.00	319.00	0.0120
291817	319.00	320.00	0.0050
291818	320.00	321.00	0.0850
291819	321.00	321.80	0.0130
291820	321.80	322.30	0.0080
291821	322.30	323.00	0.0100
291822	323.00	324.00	0.0025
291823	324.00	325.00	0.0080
291824	325.00	326.20	0.0025
291825	326.20	326.80	0.0050
291826	326.80	327.30	0.0080
291827	327.30	327.80	0.1430
291828	327.80	328.30	0.0300
291829	328.30	328.80	0.0220
291831	328.80	329.30	0.0150
291832	329.30	330.00	0.0250
291833	330.00	331.00	0.0130
291834	331.00	332.00	0.0240
291835	332.00	333.00	0.0025
291836	338.60	339.10	0.0025

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291837	339.10	339.60	0.0025
291838	339.60	340.30	0.0090
291839	350.50	351.20	0.0210
291840	351.20	352.00	0.1490
291841	352.00	353.00	0.0180
291842	353.00	354.00	0.0180
291843	354.00	354.90	0.0050
291844	354.90	355.40	0.0110
291845	355.40	356.00	0.0025
291846	356.00	357.00	0.0750
291847	357.00	357.50	0.0290
291848	357.50	358.00	0.0670
291849	358.00	358.50	0.0120
291851	358.50	359.00	0.0025
291852	359.00	360.00	0.1810
291853	360.00	361.00	0.0080
291854	361.00	362.00	0.0250
291855	362.00	363.00	0.0120
291856	363.00	364.00	0.0050
291857	364.00	365.10	0.0350
291858	375.00	376.00	0.0300
291859	376.00	376.50	0.0120
291860	376.50	377.00	0.1460
291861	377.00	378.00	0.0050
291862	378.00	379.00	0.0070
291863	379.00	379.50	0.0025
291864	379.50	380.00	0.0490
291865	380.00	381.00	0.0070
291866	387.00	388.00	0.0150
291867	388.00	389.00	0.0090
291868	389.00	390.00	0.0025
291869	390.00	391.00	0.0090
291871	391.00	392.00	0.0710
291872	392.00	392.50	0.0450
291873	392.50	393.00	0.0150
291874	393.00	393.50	0.0090
291875	393.50	394.00	0.0025
291876	394.00	394.50	0.0360
291877	394.50	395.00	0.0080

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291878	395.00	396.00	0.0080
291879	396.00	396.90	0.0320
291880	396.90	397.50	0.0070
291881	397.50	398.00	0.0060
291882	398.00	398.50	0.0025
291883	398.50	399.20	0.0070
291884	399.20	399.80	0.0250
291885	399.80	400.40	0.2500
291886	400.40	401.00	0.0080
291887	401.00	402.00	0.0070
291888	402.00	403.00	0.0025
291889	403.00	404.00	0.0050
291891	404.00	405.00	0.0070
291892	405.00	405.50	0.0250
291893	405.50	406.00	0.2350
291894	406.00	406.50	0.0150
291895	406.50	407.00	0.0290
291896	407.00	407.50	0.0100
291897	407.50	408.00	1.9800
291898	408.00	408.50	5.6700
291899	408.50	409.00	0.0140
291900	409.00	410.00	0.0170
291901	410.00	411.00	0.0060
291902	411.00	412.00	0.0070
291903	412.00	412.50	0.0090
291904	412.50	413.00	0.0120
291905	413.00	413.60	0.0400
291906	413.60	414.20	0.0080
291907	414.20	415.00	0.0090
291908	415.00	416.00	0.0060
291909	416.00	417.00	0.0025
291911	422.00	422.50	0.0120
291912	422.50	423.00	0.0160
291913	423.00	423.50	0.0025
291914	423.50	424.00	0.0060
291915	424.00	425.00	0.0050
291916	425.00	425.50	0.0260
291917	425.50	426.00	0.0150
291918	426.00	427.00	0.0090

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291919	427.00	428.00	0.0025
291920	428.00	429.00	0.0025
291921	429.00	430.00	0.0090
291922	430.00	431.00	0.0050
291923	447.00	448.00	0.0025
291924	448.00	448.50	0.0070
291925	448.50	449.00	0.0100
291926	449.00	450.00	0.0160
291927	450.00	451.00	0.0130
291928	451.00	452.00	0.0180
291929	452.00	453.00	0.0080
291931	474.00	475.00	0.0100
291932	475.00	476.00	0.0140
291933	476.00	477.00	0.0080
291934	477.00	478.00	0.0190
291935	478.00	479.00	0.0025
291936	479.00	480.00	0.0080
291937	480.00	480.50	0.0070
291938	480.50	481.00	0.0060
291939	481.00	481.50	0.0240
291940	481.50	482.00	0.0070
291941	482.00	483.00	0.0050
291942	483.00	484.00	0.0220
291943	484.00	485.00	0.0060
291944	485.00	486.00	0.0060
291945	541.00	541.90	0.0025
291946	541.90	543.00	0.0080
291947	543.00	543.50	0.0060
291948	543.50	544.10	0.0070
291949	544.10	544.90	0.0560
291951	544.90	546.00	0.0130
291952	549.00	550.00	0.0530
291953	550.00	551.00	0.0950
291954	551.00	552.00	0.0025
291955	552.00	553.00	0.0350
Sample Type ICP			
KL015015	229.90	230.40	
KL015018	244.20	244.70	
KL015016	293.70	294.20	

Hole Number: **CAR-20-11**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ICP			
KL015017	298.00	298.40	

DETAILED LOG

Hole Number: **CAR-21-12**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -75.00
Project Number: MELKIOR	North: 5358020.32	North: 34992.69	Collar Az: 240.00
Location: Carscallen Township	East: 451979.55	East: -129533.40	Length: 654.00
	Elev: 328.84	Elev: 5028.84	Start Depth: 0.00
Date Started: Jan 06, 2021	Collar Survey: N	Plugged: N	Contractor:
Date Completed: Jan 12, 2021	Multishot Survey: N	Hole Size:	Final Depth: 654.00
	Pulse EM Survey: N	Casing: YES	Core Storage: Carscallen

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-75.00	EZ Sho	OK		36.00	237.70	-75.70	EZ Sho	OK	
87.00	239.70	-75.30	EZ Sho	OK		138.00	239.40	-75.30	EZ Sho	OK	
189.00	239.00	-75.50	EZ Sho	OK		240.00	240.50	-75.60	EZ Sho	OK	
291.00	240.40	-75.70	EZ Sho	OK		342.00	242.70	-75.00	EZ Sho	OK	
393.00	240.40	-75.60	EZ Sho	OK		444.00	242.10	-75.30	EZ Sho	OK	
495.00	242.10	-75.20	EZ Sho	OK		546.00	244.20	-75.10	EZ Sho	OK	
597.00	243.50	-75.00	EZ Sho	OK		654.00	242.80	-75.20	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	20.70	OVB, MELKIOR - Overburden					
20.70	90.90	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, predominantly epidotitic with potassic and carbonaceous intervals, glomeroporphyritic texture, from 20.7 to 22.3 blocky, fractured core, from 28.8 to 31.5 fractured core with fractures @ 30 DTCA to perp to CA, tr sul, from 36.0 to 38.5 slightly pinkish hue, slightly more potassic and carbonaceous, abundant calcite sts and vnt' @ 40 to 50 DTCA, approx 1 to 2% diss py, from 46 to 49.0 slightly potassic with pinkish hue, tr sul, from 52.7 to 53.3 dark green chloritic xenolith with transitional potassic FW ct perp to CA, tr sul, from 57.0 to 57.5 fractured and pitted potassic and carbonaceous section with fractures @ 20 to 50 DTCA, tr sul, from 61.3 to 62.7 pinkish potassic interval with gradational HW and FW ct' @ 40 and 20 DTCA respectively, tr sul, from 71.0 to 72.1 fractured crumbled core with fractures parallel to CA and perp to CA, tr sul, from 72.1 to 74.3 greyish pinkish potassic and carbonaceous interval with approx 1 to 2% diss py, @ 86.6 3 cm grey fractured carb vn @ 35 DTCA with tr sul	291956	36.00	37.00	1.00	0.00
			291957	37.00	37.50	0.50	0.00
			291958	37.50	38.00	0.50	0.00
			291959	38.00	38.50	0.50	0.00
			291960	72.00	73.00	1.00	0.00
			291961	73.00	74.00	1.00	0.00
			291962	74.00	74.50	0.50	0.00
90.90	94.70	GRD_POT, Granodiorite - Potassic (Melkior) light pinkish hue, predominantly potassic, secondarily epidotitic, glomeroporphyritic texture, tr sul					

DETAILED LOG

Hole Number: **CAR-21-12**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
94.70	100.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white hue, predominantly silicified, weakly carbonatized, @ 95.6 3 cm white qtz vnt within fractured crumbled core @ 30 DTCA, tr sul, @ 96.53 5 cm white qtz-chl vn @ 75 DTCA with tr sul	291963	94.70	95.20	0.50	0.00
			291964	95.20	96.00	0.80	0.01
			291965	96.00	97.00	1.00	0.00
			291966	97.00	98.00	1.00	0.00
			291967	98.00	99.00	1.00	0.00
100.20	114.60	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, predominantly epidotitic with potassic and carbonaceous intervals, glomeroporphyritic texture, from 101.1 to 101.3 orange aphanitic aplitic dyke speckled with chl with HW and FW ct' @ 80 and 45 DTCA respectively, tr sul	291968	113.00	114.00	1.00	0.00
			291969	114.00	114.60	0.60	0.00
114.60	130.60	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
130.60	133.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey slightly pinkish hue, carbonatized, potassic with interstitial blue qtz eyes, from 132.6 to 133.0 chloritic alteration overprinting unit, tr sul	291971	130.60	131.10	0.50	0.00
			291972	131.10	132.00	0.90	0.00
			291973	132.00	133.00	1.00	0.00
133.00	138.30	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, predominantly epidotitic with potassic and carbonaceous intervals, glomeroporphyritic texture	291974	133.00	134.00	1.00	0.00
			291975	134.00	135.00	1.00	0.00
138.30	162.00	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
162.00	167.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish pink, silicified, slightly potassic, chloritic, minor calcite flakes, leucoxene flakes, approx 0.5 to 1% diss py	291976	162.00	163.00	1.00	0.00
			291977	163.00	164.00	1.00	0.00
			291978	164.00	165.00	1.00	0.00
			291979	165.00	166.00	1.00	0.00
			291980	166.00	167.00	1.00	0.00
167.00	175.00	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
175.00	183.50	GRD_HEM, Granodiorite - Hematized (Melkior) dark burgandy red, medium grained, hematitic, potassic, glomeroporphyritic texture, unit mottled with white calcite flakes, occasional chloritic fine grained mafic dykes notably from 176.9 to 177.1, tr sul, gradational FW ct perpendicular to CA					
183.50	188.40	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
188.40	190.80	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish pink, silicified, slightly potassic, chloritic, minor calcite flakes, leucoxene flakes, tr sul					
190.80	202.00	GRD_HEM, Granodiorite - Hematized (Melkior) dark burgandy red, medium grained, hematitic, potassic, glomeroporphyritic texture, unit mottled with white calcite flakes, tr sul					

Hole Number: **CAR-21-12**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
202.00	205.20	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to black, fine to medium grained, predominantly chloritic, weakly carbonatized, potassic and variably silicified, speckled with leucoxene flakes, tr sul	291981	202.00	203.00	1.00	0.00
			291982	203.00	204.00	1.00	0.00
			291983	204.00	205.20	1.20	0.00
205.20	231.70	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul, from 208.3 to 209.3 dark grey chloritic and silicified section with leucoxene flakes, tr sul, from 215.0 to 219.0 fractured, locally crumbled sections of core, fractures @ 50 to 60 DTCA, tr sul	291984	208.00	208.50	0.50	0.00
			291985	208.50	209.00	0.50	0.00
			291986	209.00	210.00	1.00	0.00
231.70	237.94	GRD_HEM, Granodiorite - Hematized (Melkior) dark burgandy red, medium grained, hematitic, potassic, glomeroporphyritic texture, unit mottled with white calcite flakes, tr sul					
237.94	246.20	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to black, fine to medium grained, predominantly chloritic, weakly carbonatized, potassic and variably silicified, speckled with leucoxene flakes, tr sul					
246.20	249.20	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
249.20	252.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to black, fine to medium grained, predominantly chloritic, weakly carbonatized, potassic and variably silicified, speckled with leucoxene flakes, tr sul					
252.00	255.00	GRD_POT, Granodiorite - Potassic (Melkior) orange pinkish hue, potassic, glomeroporphyritic texture, slightly pitted texture, mottled with white calcite, tr sul					
255.00	266.90	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to black, fine to medium grained, predominantly chloritic, weakly carbonatized, potassic and variably silicified, speckled with leucoxene flakes, tr sul, from 263.1 to 263.4 fractured crumbled core, localized faulting with fractures @ 40 DTCA, from 263.4 to black, finer grained, abundant leucoxene flakes, 0.5 to 1% diss py, from 264.0 to 266.9 medium grained greyish white, abundant leucoxene flakes, tr sul	291987	255.00	256.00	1.00	0.00
			291988	256.00	257.00	1.00	0.00
			291989	257.00	258.00	1.00	0.00
			291991	258.00	259.00	1.00	0.00
			291992	259.00	260.00	1.00	0.00
			291993	260.00	261.00	1.00	0.00
			291994	261.00	262.00	1.00	0.00
			291995	262.00	263.00	1.00	0.41
			291996	263.00	264.00	1.00	0.39
			291997	264.00	265.00	1.00	0.32
			291998	265.00	266.00	1.00	0.23
266.90	269.70	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fine to medium grained, potassic patches, siliceous, chloritic, may be transitional zone, tr sul					

DETAILED LOG

Hole Number: **CAR-21-12**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
269.70	293.70	GRD_POT, Granodiorite - Potassic (Melkior) greyish orange, potassic, chloritic, glomeroporphyritic, more mafic component may be metasomatic effect of underlying mafic volcanics, tr sul, from 284.0 to 293.7 unit becomes orange-reddish hue with stronger potassic and secondary hematitic alteration, shp FW ct perpendicular to CA					
293.70	296.60	MI, Melkior - Mafic Intrusive blue-grey, fine grained, massive, slightly talcose, may be peridotitic dyke, appears to be ultramafic, somewhat fractured unit with fractures both parallel to CA and perp to CA, speckled with leucoxene flakes, tr sul	291999	293.70	294.50	0.80	0.01
			292000	294.50	295.00	0.50	0.00
			292001	295.00	296.00	1.00	0.00
			292002	296.00	296.60	0.60	0.00
296.60	303.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to black, fine to medium grained, predominantly chloritic, weakly carbonatized, potassic and variably silicified, speckled with leucoxene flakes, tr sul, less pronounced glomeroporphyritic texture, more diffuse, with overprinting of chloritic alteration, tr sul					
303.00	307.60	MI, Melkior - Mafic Intrusive SAA blue-grey, fine grained, massive, may be peridotitic dyke, appears to be ultramafic, locally fractured and crumbled sections throughout, moderately soft and talcose	292003	303.00	304.00	1.00	0.00
			292004	304.00	305.00	1.00	0.00
			292005	305.00	306.00	1.00	0.00
307.60	323.70	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish orange, potassic but as in previous silicified granodiorite, textures appear overprinted with chloritic alteration, tr sul, fractured faulted FW ct from 323.7 to 324.0 with fractures @ 30 DTCA, pitted and vuggy texture from 315 to 318 meters	292006	323.00	323.70	0.70	0.06

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
323.70	436.20	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive weakly foliated with foliation @ 40 DTCA, predominantly chloritic, weakly siliceous and sericitic, massive and homogeneous basalt, from 335.5 to 348.0 approx 3 to 4% diss py and clusters of subhedral to euhedral py notably @ 338.5, 339.0 and 342.0, from 343 to 343.5 pinkish white aplitic dyke parallel to CA with acicular chlorite xl' and approx 2 to 3% scattered subhedral py throughout wallrock, from 347.9 to 348.1 brecciated and contorted qtz-chl vn @ 50 DTCA with 1 to 2% py smeared along vn ct', 398.6 to 398.7 creamy orange aphanitic felsic dyke @ 20 DTCA, tr py, 350.17 to 350.29 orange aphanitic felsic dyke @ 40 DTCA, tr sul, from 357.0 to 363.0 appreciable increase in sulphides locally designated as "Upper Zone", @ 357.3 locd pods of py approx 3 to 4%, @ 358.5 locd concentration of subhedral and euhedral py xl', approx 5 to 6%, @ 359.2 5 cm qtz-calcite vn with anastomosing feeder vnt' and approx 6 to 7% patchy cpy, @ 359.5 locd concentrtaion of 5 to 6% blebby py aligned parallel to foliation @ 40 DTCA, @ 361.3 5 cm py-qtz vnt @ 50 DTCA with approx 25 to 30% columnar aggregates of py, from 365.5 to 367.1 scattered pink dioritic dykes @ 40 DTCA, tr sul, from 371 to 377.6 slightly burgandy red hue, pervasive hematitic alteration, massive, homogeneous, tr sul, from 380 to 381.0 altered slightly sheared section with interbanded sericite and hematite, tr sul, from 383.4 to 383.5 pink felsite dyke @ 30 DTCA, tr sul, from 384.0 to 399.0 dark grey-green, massive, homogeneous, predominantly chloritic, abundant calcite sts and vnt' perp to CA, increasing hematitic alteration from 396 to 397 meters, tr sul, from 399.54 to 399.83 white qtz-calcite vn @ 80 DTCA with hematitic staining and jasperoidal clasts locd along vn ct', approx 1 to 2% diss py, from 405 to 405.8 2 cm white qtz-calcite vnt parallel to CA running 80 cm in width with hematitic alteration locd along vnt ct', microfaulting and displacement of vnt in sections, tr sul, from 417.0 to 418.4 burgandy red hue with pervasive hematitic alteration, from 419.3 to 419.5 9 cm calcite-qtz vein parallel to CA and stained with hematitic alteration, tr sul, from 420.95 to 421.54 milky white qv subparallel to CA with patchy hematitic alteration locd @ FW ct, tr sul	292007	323.70	324.20	0.50	0.08
			292008	324.20	325.00	0.80	0.00
			292009	335.00	335.50	0.50	0.07
			292011	335.50	336.00	0.50	0.04
			292012	336.00	337.00	1.00	0.01
			292013	337.00	338.00	1.00	0.00
			292014	338.00	338.50	0.50	0.00
			292015	338.50	339.00	0.50	0.00
			292016	339.00	340.00	1.00	0.00
			292017	340.00	341.00	1.00	0.00
			292018	341.00	342.00	1.00	0.00
			292019	342.00	343.00	1.00	0.00
			292020	343.00	343.50	0.50	0.00
			292021	343.50	344.00	0.50	0.00
			292022	344.00	344.50	0.50	0.00
			292023	344.50	345.00	0.50	0.00
			292024	345.00	345.50	0.50	0.00
			292025	345.50	346.00	0.50	0.00
			292026	346.00	346.50	0.50	0.01
			292027	346.50	347.00	0.50	0.01
			292028	347.00	347.50	0.50	0.00
			292029	347.50	348.00	0.50	0.00
			292031	348.00	348.50	0.50	0.00
			292032	348.50	349.00	0.50	0.00
			292033	349.00	349.50	0.50	0.00
			292034	349.50	350.00	0.50	0.00
			292035	350.00	351.00	1.00	0.00
			292036	351.00	352.00	1.00	0.00
			292037	352.00	353.00	1.00	0.00
			292038	353.00	354.00	1.00	0.00
			292039	354.00	355.00	1.00	0.00
			292040	355.00	356.00	1.00	0.01
			292041	356.00	357.00	1.00	0.00
			292042	357.00	357.50	0.50	0.02
			292043	357.50	358.00	0.50	0.00
			292044	358.00	358.50	0.50	0.00
			292045	358.50	359.00	0.50	0.00
			292046	359.00	359.50	0.50	0.00
			292047	359.50	360.00	0.50	0.10
			292048	360.00	360.50	0.50	0.00
			292049	360.50	361.00	0.50	0.00
			292051	361.00	362.00	1.00	1.61
			292052	362.00	363.00	1.00	0.08

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			292053	363.00	364.00	1.00	0.01
			292054	364.00	365.00	1.00	0.01
			292055	380.00	381.00	1.00	0.01
			292056	381.00	382.00	1.00	0.01
			292057	399.00	400.00	1.00	3.09
			292058	400.00	401.00	1.00	0.00
			292059	401.00	402.00	1.00	0.02
			292060	402.00	403.00	1.00	0.00
			292061	403.00	404.00	1.00	0.00
			292062	404.00	405.00	1.00	0.00
			292063	405.00	406.00	1.00	0.02
			292064	406.00	407.00	1.00	0.01
			292065	407.00	408.00	1.00	0.01
			292066	408.00	409.00	1.00	0.03
			292067	418.50	419.00	0.50	0.01
			292068	419.00	419.50	0.50	0.74
			292069	419.50	420.00	0.50	0.02
			292071	420.00	421.00	1.00	0.00
			292072	421.00	421.50	0.50	0.25
			292073	421.50	422.00	0.50	0.00
436.20	439.00	QFP, QUARTZ FELDSPAR PORPHYRY orange hue, potassic, fine to medium grained, speckled with chlorite flakes, massive, homogeneous, shp HW and FW ct' @ 40 DTCA and parallel to CA, tr sul					
439.00	477.25	MV, Melkior - Mafic Volcanic Rock dark green, fine grained, massive, homogeneous, chloritic, basaltic, from 439 to 440.2 anastomosing trailers of QFP dyke parallel to CA, tr sul, from 450 to 450.2 blocky fractured core with fractures @ 50 DTCA, abundant 1 cm calcite sts and vnt' from 50 to 70 DTCA, tr sul, from 452.5 to 452.85 patchy calcitic vn' para to CA with patchy hematitic staining locd @ vn HW ct, tr sul, @ 460.6 4 cm qtz-calcite patch with 3 to 4% diss py abd 2 to 3% patchy cpy, @ 463.8 5 cm patch of diffuse carbonate with 2 to 3% diss py, @ 464.9 fracture @ 25 DTCA with 6 to 7% locd semi-massive cpy	292074	451.00	452.00	1.00	0.01
			292075	452.00	452.50	0.50	0.01
			292076	452.50	453.00	0.50	0.04
			292077	460.00	460.50	0.50	0.13
			292078	460.50	461.00	0.50	1.52
			292079	461.00	462.00	1.00	0.12
			292080	462.00	463.00	1.00	0.02
			292081	463.00	464.00	1.00	0.05
			292082	464.00	464.50	0.50	0.45
			292083	464.50	465.00	0.50	7.46
			292084	465.00	466.00	1.00	0.08
			292085	474.00	475.00	1.00	0.03
			292086	475.00	476.00	1.00	0.14
			292087	476.00	476.50	0.50	0.04
			292088	476.50	477.25	0.75	0.82

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
477.25	502.20	BaFBx, Melkior - Basalt Flow Breccia light green, fine grained, chloritic, sericitic, slightly siliceous, scattered relic pillow selvages, loed brecciated hyaloclastite, quench textures, from 481 to 486.4 mineralized zone designated as "Lowere Zone 1" comprised of scattered qtz-pyrite vn' up to 10 cm in width, 481.0 10 cm qtz-py vn @ 35 DTCA with approx 35 to 40% columnar aggregates of subhedral py, 481.5 2 cm contorted qtz vnt with 15 to 20% semi-massive py, from 482.6 to 483.0 contorted grey 1 cm qtz sts parallel to CA and @ 30 DTCA rimmed with 8 to 10% semi-massive py, from 484.5 to 484.8 feldspar vnt para to CA rimmed with 20 to 25% subhedral aggregates of py, @ 486.3 4 cm grey qtz vnt @ 25 DTCA with 15 to 20% subhedral py and 5 to 6% patchy cpy	292089	477.25	478.00	0.75	0.01
			292091	478.00	479.00	1.00	0.00
			292092	479.00	480.00	1.00	0.00
			292093	480.00	480.50	0.50	0.00
			292094	480.50	480.90	0.40	0.31
			292095	480.90	481.40	0.50	60.50
			292096	481.40	482.00	0.60	0.07
			292097	482.00	482.50	0.50	0.02
			292098	482.50	483.00	0.50	1.38
			292099	483.00	483.50	0.50	0.02
			292100	483.50	484.00	0.50	0.11
			292101	484.00	484.50	0.50	0.47
			292102	484.50	485.00	0.50	0.13
			292103	485.00	485.50	0.50	0.01
			292104	485.50	486.00	0.50	0.01
			292105	486.00	486.50	0.50	0.06
			292106	486.50	487.00	0.50	0.05
			292107	487.00	488.00	1.00	0.01
			292108	488.00	489.00	1.00	0.02
			292109	489.00	490.00	1.00	0.00
			292111	490.00	491.00	1.00	0.01
			292112	491.00	492.00	1.00	0.01
			292113	492.00	492.73	0.73	0.01
			292114	492.73	493.50	0.77	0.01
			292115	493.50	494.00	0.50	0.01
		292116	494.00	495.00	1.00	0.00	
		292117	495.00	496.00	1.00	0.01	
		292118	496.00	497.00	1.00	0.39	
		292119	497.00	498.00	1.00	0.04	
		292120	498.00	499.00	1.00	0.01	
		292121	499.00	500.00	1.00	0.02	
		292122	500.00	501.00	1.00	0.51	
		292123	501.00	502.20	1.20	0.03	

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
502.20	528.20	QFP, QUARTZ FELDSPAR PORPHYRY light grey to pinkish orange, from 502.2 to 512.0 unit siliceous, medium grained and mottled with chlorite phenocrysts, massive homogeneous with scattered qtz-calcite sts and vnt' @ 50 to 80 DTCA, approx 4 to 5% scattered clots and disseminations of py throughout with stronger concentrations occupying microfractures, from 512.0 to 518.8 pinkish orange, potassic, aphanitic and mottled with black chlorite flakes and approx 3 to 4% scattered clots and disseminations of py, @ 515.6 approx 6 to 7% subhedral py focussed along microfracture @ 20 DTCA, from 518.8 to 526.9 light grey, SAA, approx 4 to 5% scattered clots of py, from 526.9 to 528.2 pinkish orange, aphanitic, @ 527.2 7 to 8% subhedral py focussed along microfractures subparallel to CA converging to fold nose with 2 to 3% patchy cpy	292124	502.20	503.00	0.80	0.02
			292125	503.00	504.00	1.00	0.04
			292126	504.00	505.00	1.00	0.02
			292127	505.00	506.00	1.00	0.01
			292128	506.00	507.00	1.00	0.04
			292129	507.00	508.00	1.00	0.01
			292131	508.00	509.00	1.00	0.00
			292132	509.00	510.00	1.00	0.01
			292133	510.00	511.00	1.00	0.00
			292134	511.00	512.00	1.00	0.07
			292135	512.00	513.00	1.00	0.02
			292136	513.00	514.00	1.00	0.13
			292137	514.00	515.00	1.00	0.06
			292138	515.00	515.50	0.50	0.02
			292139	515.50	516.00	0.50	1.17
			292140	516.00	517.00	1.00	0.07
			292141	517.00	518.00	1.00	0.01
			292142	518.00	519.00	1.00	0.01
			292143	519.00	520.00	1.00	0.16
			292144	520.00	521.00	1.00	0.01
		292145	521.00	522.00	1.00	0.04	
		292146	522.00	523.00	1.00	0.00	
		292147	523.00	524.00	1.00	0.01	
		292148	524.00	525.00	1.00	0.27	
		292149	525.00	526.00	1.00	0.00	
		292151	526.00	527.00	1.00	0.03	
		292152	527.00	527.50	0.50	0.51	
		292153	527.50	528.20	0.70	0.02	
528.20	537.20	BaFBx, Melkior - Basalt Flow Breccia light green to buff, sericitic, chloritic, silicified, locally brecciated hyaloclastite, bleached mafic volcanic, variably mineralized unit designated as "Lower Zone 2", @ 529.2 approx 7 to 8% locd cluster of subhedral py, from 529.7 to 530.2 white qtz-calcite vein parallel to CA with 4 to 5% diss py, po and 3 to 4% patchy cpy, @ 533.67 1 cm white calcite veinlet perp to CA with patch of 1 to 2% cpy, @ 535.3 cluster of approx 7 to 8% subhedral py and 2 to 3% patchy cpy, gradational FW ct @ 60 DTCA	292154	528.20	528.70	0.50	0.04
			292155	528.70	529.20	0.50	0.01
			292156	529.20	529.70	0.50	0.06
			292157	529.70	530.20	0.50	0.04
			292158	530.20	531.00	0.80	0.01
			292159	531.00	532.00	1.00	0.05
			292160	532.00	533.00	1.00	0.02
			292161	533.00	533.50	0.50	0.01
			292162	533.50	534.00	0.50	0.12
			292163	534.00	534.50	0.50	0.03
			292164	534.50	535.00	0.50	0.02
			292165	535.00	535.50	0.50	0.02
			292166	535.50	536.00	0.50	0.18
			292167	536.00	536.50	0.50	0.04
			292168	536.50	537.20	0.70	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
537.20	580.80	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, predominantly chloritic, massive, homogeneous, abundant calcite sts and vnt' @ 60 to 80 DTCA, approx 2 to 3% diss and blebby py occurring along vnt' and fractures, from 558 to 562 strongly fractured section with fractures @ 0 to 50 DTCA, fom 558 to 558.5 series of 3 cm white fractured qtz-calcite vn' @ 30 DTCA, tr sul, from 564 to 570, locd brecciated hyaloclastite, fractured core, 566 locd clusters of approx 6 to 7% subhedral py @ 568.5 16 cm pink felsite dyke @ 40 DTCA, from 578.8 to 579.73 white calcite-qtz vn @ 30 DTCA with fractures infilled with chlorite parallel to CA, tr sul	292169	537.20	537.70	0.50	0.00
			292171	537.70	538.20	0.50	0.00
			292172	538.20	539.00	0.80	0.00
			292173	539.00	540.00	1.00	0.01
			292174	550.00	550.50	0.50	0.05
			292175	550.50	551.00	0.50	0.01
			292176	551.00	552.00	1.00	0.01
			292177	565.00	565.50	0.50	0.01
			292178	565.50	566.00	0.50	0.02
			292179	566.00	566.50	0.50	0.36
			292180	566.50	567.00	0.50	0.01
			292181	578.00	578.80	0.80	0.01
			292182	578.80	579.73	0.93	0.11
		292183	579.73	580.80	1.07	0.05	
580.80	654.00	BaFBx, Melkior - Basalt Flow Breccia dark green, predominantly chloritic, flow breccia with epidotized subrounded clasts, quench textures, tr sul, from 586.0 to 589 approx 2 to 3% scattered subhedral py xl', @ 587.86 10 cm calcite-qtz vein perpendicular to CA with tr sul, from 591.53 to 591.8 pinkish orange aphanitic felsite dyke @ 50 DTCA, tr sul, from 594.95 to 595.3 pink orange aphanitic felsite dyke @ 50 DTCA with tr sul, from 597 to 599 ladder crackle breccia comprised of calcite-qtz vnt' and sts perpendicular to CA, tr sul, from 604.2 to 607.6 extremely brecciated subaqueous flow with edidotized subrounded clasts with reaction rims, approx 2 to 3% diss py, from 613 to 615 slightly sheared fabrix with 2 to 3% diss and blebby py aligned parallel to foliation @ 30 DTCA, from 624.8 to 625.3 cluster of approx 6 to 7% subhedral py within chloritic and carbonatized possible pillow selvage, from 631.2 to 631.8 buff sericitized and potassic intensely brecciated section with tr sul, from 633.1 to 635.8 4 cm qtz-calcite vein running along entire length of core parallel to CA, locd patch of cpy @ 356.6, approx 1 to 2% diss py within wallrock, from 637.2 to 642.5 flow breccia texture with epidotized subrounded fragments and clasts, approx 1 to 2% diss py locd within selvages, from 642.8 to 643.0 white qtz-carbonate vein @ 70 DTCA with 1 to 2% diss py, from 653.5 to 654 approx 3 to 4% cluster of subhedral py, 654.0 EOH	292184	586.00	587.00	1.00	0.03
			292185	587.00	588.00	1.00	0.02
			292186	588.00	589.00	1.00	0.01
			292187	604.50	605.00	0.50	0.01
			292188	605.00	605.50	0.50	0.03
			292189	605.50	606.00	0.50	0.01
			292191	606.00	607.00	1.00	0.01
			292192	612.00	613.00	1.00	0.31
			292193	613.00	614.00	1.00	0.16
			292194	614.00	615.00	1.00	0.35
			292195	624.00	624.80	0.80	1.05
			292196	624.80	625.30	0.50	0.01
			292197	625.30	626.00	0.70	0.01
			292198	631.20	631.80	0.60	0.14
			292199	631.80	632.60	0.80	0.06
			292200	632.60	633.10	0.50	0.09
		292201	633.10	634.00	0.90	0.04	
		292202	634.00	635.00	1.00	0.08	
		292203	635.00	636.00	1.00	0.06	
		292204	642.00	642.80	0.80	0.01	
		292205	642.80	643.30	0.50	0.07	
		292206	643.30	644.00	0.70	0.34	
		292207	653.00	653.50	0.50	0.02	
		292208	653.50	654.00	0.50	0.03	

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
291956	36.00	37.00	0.0025
291957	37.00	37.50	0.0025
291958	37.50	38.00	0.0025
291959	38.00	38.50	0.0025
291960	72.00	73.00	0.0025
291961	73.00	74.00	0.0025
291962	74.00	74.50	0.0025
291963	94.70	95.20	0.0025
291964	95.20	96.00	0.0110
291965	96.00	97.00	0.0025
291966	97.00	98.00	0.0025
291967	98.00	99.00	0.0025
291968	113.00	114.00	0.0025
291969	114.00	114.60	0.0025
291971	130.60	131.10	0.0025
291972	131.10	132.00	0.0025
291973	132.00	133.00	0.0025
291974	133.00	134.00	0.0025
291975	134.00	135.00	0.0025
291976	162.00	163.00	0.0025
291977	163.00	164.00	0.0025
291978	164.00	165.00	0.0025
291979	165.00	166.00	0.0025
291980	166.00	167.00	0.0025
291981	202.00	203.00	0.0025
291982	203.00	204.00	0.0025
291983	204.00	205.20	0.0025
291984	208.00	208.50	0.0025
291985	208.50	209.00	0.0025
291986	209.00	210.00	0.0025
291987	255.00	256.00	0.0025
291988	256.00	257.00	0.0025
291989	257.00	258.00	0.0025
291991	258.00	259.00	0.0025
291992	259.00	260.00	0.0025
291993	260.00	261.00	0.0025
291994	261.00	262.00	0.0025
291995	262.00	263.00	0.4050
291996	263.00	264.00	0.3910

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
291997	264.00	265.00	0.3240
291998	265.00	266.00	0.2340
291999	293.70	294.50	0.0080
292000	294.50	295.00	0.0025
292001	295.00	296.00	0.0025
292002	296.00	296.60	0.0025
292003	303.00	304.00	0.0025
292004	304.00	305.00	0.0025
292005	305.00	306.00	0.0025
292006	323.00	323.70	0.0580
292007	323.70	324.20	0.0780
292008	324.20	325.00	0.0025
292009	335.00	335.50	0.0690
292011	335.50	336.00	0.0400
292012	336.00	337.00	0.0090
292013	337.00	338.00	0.0025
292014	338.00	338.50	0.0025
292015	338.50	339.00	0.0025
292016	339.00	340.00	0.0025
292017	340.00	341.00	0.0025
292018	341.00	342.00	0.0025
292019	342.00	343.00	0.0025
292020	343.00	343.50	0.0025
292021	343.50	344.00	0.0025
292022	344.00	344.50	0.0025
292023	344.50	345.00	0.0025
292024	345.00	345.50	0.0025
292025	345.50	346.00	0.0025
292026	346.00	346.50	0.0090
292027	346.50	347.00	0.0120
292028	347.00	347.50	0.0025
292029	347.50	348.00	0.0025
292031	348.00	348.50	0.0025
292032	348.50	349.00	0.0025
292033	349.00	349.50	0.0025
292034	349.50	350.00	0.0025
292035	350.00	351.00	0.0025
292036	351.00	352.00	0.0025
292037	352.00	353.00	0.0025

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292038	353.00	354.00	0.0025
292039	354.00	355.00	0.0025
292040	355.00	356.00	0.0130
292041	356.00	357.00	0.0025
292042	357.00	357.50	0.0170
292043	357.50	358.00	0.0025
292044	358.00	358.50	0.0025
292045	358.50	359.00	0.0025
292046	359.00	359.50	0.0025
292047	359.50	360.00	0.0960
292048	360.00	360.50	0.0025
292049	360.50	361.00	0.0025
292051	361.00	362.00	1.6100
292052	362.00	363.00	0.0760
292053	363.00	364.00	0.0050
292054	364.00	365.00	0.0060
292055	380.00	381.00	0.0080
292056	381.00	382.00	0.0050
292057	399.00	400.00	3.0900
292058	400.00	401.00	0.0025
292059	401.00	402.00	0.0170
292060	402.00	403.00	0.0025
292061	403.00	404.00	0.0025
292062	404.00	405.00	0.0025
292063	405.00	406.00	0.0160
292064	406.00	407.00	0.0110
292065	407.00	408.00	0.0080
292066	408.00	409.00	0.0270
292067	418.50	419.00	0.0070
292068	419.00	419.50	0.7360
292069	419.50	420.00	0.0210
292071	420.00	421.00	0.0025
292072	421.00	421.50	0.2460
292073	421.50	422.00	0.0025
292074	451.00	452.00	0.0060
292075	452.00	452.50	0.0120
292076	452.50	453.00	0.0410
292077	460.00	460.50	0.1300
292078	460.50	461.00	1.5200

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292079	461.00	462.00	0.1230
292080	462.00	463.00	0.0170
292081	463.00	464.00	0.0450
292082	464.00	464.50	0.4520
292083	464.50	465.00	7.4600
292084	465.00	466.00	0.0760
292085	474.00	475.00	0.0250
292086	475.00	476.00	0.1350
292087	476.00	476.50	0.0430
292088	476.50	477.25	0.8210
292089	477.25	478.00	0.0070
292091	478.00	479.00	0.0025
292092	479.00	480.00	0.0025
292093	480.00	480.50	0.0025
292094	480.50	480.90	0.3070
292095	480.90	481.40	60.5000
292096	481.40	482.00	0.0680
292097	482.00	482.50	0.0210
292098	482.50	483.00	1.3800
292099	483.00	483.50	0.0200
292100	483.50	484.00	0.1050
292101	484.00	484.50	0.4680
292102	484.50	485.00	0.1270
292103	485.00	485.50	0.0120
292104	485.50	486.00	0.0060
292105	486.00	486.50	0.0610
292106	486.50	487.00	0.0530
292107	487.00	488.00	0.0110
292108	488.00	489.00	0.0150
292109	489.00	490.00	0.0025
292111	490.00	491.00	0.0090
292112	491.00	492.00	0.0110
292113	492.00	492.73	0.0090
292114	492.73	493.50	0.0050
292115	493.50	494.00	0.0060
292116	494.00	495.00	0.0025
292117	495.00	496.00	0.0110
292118	496.00	497.00	0.3870
292119	497.00	498.00	0.0430

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292120	498.00	499.00	0.0080
292121	499.00	500.00	0.0160
292122	500.00	501.00	0.5080
292123	501.00	502.20	0.0320
292124	502.20	503.00	0.0220
292125	503.00	504.00	0.0410
292126	504.00	505.00	0.0180
292127	505.00	506.00	0.0090
292128	506.00	507.00	0.0360
292129	507.00	508.00	0.0070
292131	508.00	509.00	0.0025
292132	509.00	510.00	0.0060
292133	510.00	511.00	0.0025
292134	511.00	512.00	0.0680
292135	512.00	513.00	0.0240
292136	513.00	514.00	0.1250
292137	514.00	515.00	0.0630
292138	515.00	515.50	0.0200
292139	515.50	516.00	1.1700
292140	516.00	517.00	0.0740
292141	517.00	518.00	0.0090
292142	518.00	519.00	0.0140
292143	519.00	520.00	0.1560
292144	520.00	521.00	0.0060
292145	521.00	522.00	0.0410
292146	522.00	523.00	0.0025
292147	523.00	524.00	0.0060
292148	524.00	525.00	0.2710
292149	525.00	526.00	0.0025
292151	526.00	527.00	0.0330
292152	527.00	527.50	0.5110
292153	527.50	528.20	0.0180
292154	528.20	528.70	0.0360
292155	528.70	529.20	0.0050
292156	529.20	529.70	0.0620
292157	529.70	530.20	0.0400
292158	530.20	531.00	0.0120
292159	531.00	532.00	0.0490
292160	532.00	533.00	0.0230

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292161	533.00	533.50	0.0120
292162	533.50	534.00	0.1230
292163	534.00	534.50	0.0280
292164	534.50	535.00	0.0200
292165	535.00	535.50	0.0220
292166	535.50	536.00	0.1830
292167	536.00	536.50	0.0370
292168	536.50	537.20	0.0060
292169	537.20	537.70	0.0025
292171	537.70	538.20	0.0025
292172	538.20	539.00	0.0025
292173	539.00	540.00	0.0050
292174	550.00	550.50	0.0510
292175	550.50	551.00	0.0060
292176	551.00	552.00	0.0050
292177	565.00	565.50	0.0060
292178	565.50	566.00	0.0240
292179	566.00	566.50	0.3550
292180	566.50	567.00	0.0130
292181	578.00	578.80	0.0080
292182	578.80	579.73	0.1140
292183	579.73	580.80	0.0490
292184	586.00	587.00	0.0280
292185	587.00	588.00	0.0190
292186	588.00	589.00	0.0050
292187	604.50	605.00	0.0120
292188	605.00	605.50	0.0340
292189	605.50	606.00	0.0090
292191	606.00	607.00	0.0050
292192	612.00	613.00	0.3050
292193	613.00	614.00	0.1640
292194	614.00	615.00	0.3470
292195	624.00	624.80	1.0500
292196	624.80	625.30	0.0140
292197	625.30	626.00	0.0090
292198	631.20	631.80	0.1420
292199	631.80	632.60	0.0640
292200	632.60	633.10	0.0890
292201	633.10	634.00	0.0390

Hole Number: **CAR-21-12**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292202	634.00	635.00	0.0800
292203	635.00	636.00	0.0570
292204	642.00	642.80	0.0080
292205	642.80	643.30	0.0730
292206	643.30	644.00	0.3350
292207	653.00	653.50	0.0220
292208	653.50	654.00	0.0320

DETAILED LOGHole Number: **CAR-21-13**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -65.00
Project Number: MELKIOR	North: 5357892.49	North: 34844.27	Collar Az: 240.00
Location: Carscallen Township	East: 452070.16	East: -129483.01	Length: 843.00
	Elev: 328.55	Elev: 5028.55	Start Depth: 0.00
Date Started: Jan 18, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Feb 01, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages**Survey Data**

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	239.53	-65.19	GYRO	OK		0.00	240.00	-65.00	EZ Sho	N	
5.00	239.47	-65.27	GYRO	OK		10.00	239.23	-65.21	GYRO	OK	
15.00	239.09	-65.24	GYRO	OK		15.00	236.10	-65.30	EZ Sho	N	
20.00	238.97	-65.25	GYRO	OK		25.00	238.96	-65.35	GYRO	OK	
30.00	238.97	-65.42	GYRO	OK		35.00	239.02	-65.43	GYRO	OK	
40.00	238.80	-65.45	GYRO	OK		45.00	238.39	-65.54	GYRO	OK	
50.00	238.19	-65.53	GYRO	OK		55.00	238.08	-65.57	GYRO	OK	
60.00	238.00	-65.61	GYRO	OK		65.00	238.05	-65.61	GYRO	OK	
66.00	237.20	-65.70	EZ Sho	N		70.00	238.07	-65.64	GYRO	OK	
75.00	237.77	-65.64	GYRO	OK		80.00	237.77	-65.65	GYRO	OK	
85.00	237.58	-65.61	GYRO	OK		90.00	237.88	-65.52	GYRO	OK	
95.00	238.33	-65.49	GYRO	OK		100.00	238.39	-65.65	GYRO	OK	
105.00	238.41	-65.72	GYRO	OK		110.00	238.16	-65.70	GYRO	OK	
115.00	237.90	-65.74	GYRO	OK		117.00	235.90	-65.80	EZ Sho	N	
120.00	237.99	-65.76	GYRO	OK		125.00	237.97	-65.62	GYRO	OK	
130.00	237.62	-65.76	GYRO	OK		135.00	237.69	-65.77	GYRO	OK	
140.00	238.01	-65.62	GYRO	OK		145.00	238.45	-65.59	GYRO	OK	
150.00	238.23	-65.60	GYRO	OK		150.00	235.90	-65.40	EZ Sho	N	
155.00	238.06	-65.62	GYRO	OK		160.00	237.95	-65.61	GYRO	OK	
165.00	238.04	-65.66	GYRO	OK		170.00	238.00	-65.66	GYRO	OK	
175.00	237.94	-65.68	GYRO	OK		180.00	237.93	-65.67	GYRO	OK	
185.00	237.94	-65.68	GYRO	OK		190.00	238.02	-65.70	GYRO	OK	
195.00	238.01	-65.67	GYRO	OK		200.00	237.87	-65.67	GYRO	OK	
201.00	235.50	-65.70	EZ Sho	N		205.00	237.89	-65.64	GYRO	OK	
210.00	237.88	-65.58	GYRO	OK		215.00	237.86	-65.58	GYRO	OK	

DETAILED LOG

Hole Number: **CAR-21-13**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
220.00	237.77	-65.53	GYRO	OK		225.00	237.90	-65.54	GYRO	OK	
230.00	238.02	-65.44	GYRO	OK		235.00	238.21	-65.39	GYRO	OK	
240.00	238.16	-65.35	GYRO	OK		245.00	238.29	-65.37	GYRO	OK	
250.00	238.18	-65.27	GYRO	OK		252.00	237.90	-65.30	EZ Sho	N	
255.00	238.20	-65.20	GYRO	OK		260.00	238.12	-65.16	GYRO	OK	
265.00	237.91	-65.09	GYRO	OK		270.00	237.71	-64.97	GYRO	OK	
275.00	237.68	-64.90	GYRO	OK		280.00	237.65	-64.88	GYRO	OK	
285.00	237.59	-64.85	GYRO	OK		290.00	237.54	-64.83	GYRO	OK	
295.00	237.19	-64.84	GYRO	OK		300.00	237.06	-64.81	GYRO	OK	
303.00	237.60	-64.90	EZ Sho	N		305.00	237.09	-64.76	GYRO	OK	
310.00	236.99	-64.75	GYRO	OK		315.00	236.99	-64.75	GYRO	OK	
320.00	236.98	-64.76	GYRO	OK		325.00	237.04	-64.76	GYRO	OK	
330.00	236.98	-64.74	GYRO	OK		335.00	237.06	-64.69	GYRO	OK	
340.00	237.03	-64.67	GYRO	OK		345.00	237.13	-64.70	GYRO	OK	
350.00	237.13	-64.67	GYRO	OK		354.00	238.50	-65.00	EZ Sho	N	
355.00	237.20	-64.68	GYRO	OK		360.00	237.17	-64.70	GYRO	OK	
365.00	237.10	-64.66	GYRO	OK		370.00	237.01	-64.68	GYRO	OK	
375.00	236.98	-64.64	GYRO	OK		380.00	236.91	-64.61	GYRO	OK	
385.00	236.78	-64.57	GYRO	OK		390.00	236.76	-64.54	GYRO	OK	
395.00	236.65	-64.51	GYRO	OK		400.00	236.65	-64.45	GYRO	OK	
405.00	236.46	-64.48	GYRO	OK		405.00	238.20	-64.60	EZ Sho	N	
410.00	236.10	-64.43	GYRO	OK		415.00	235.53	-64.43	GYRO	OK	
420.00	235.26	-64.43	GYRO	OK		425.00	235.24	-64.42	GYRO	OK	
430.00	235.31	-64.40	GYRO	OK		435.00	235.31	-64.35	GYRO	OK	
440.00	235.36	-64.33	GYRO	OK		445.00	235.35	-64.30	GYRO	OK	
450.00	235.37	-64.28	GYRO	OK		455.00	235.45	-64.26	GYRO	OK	
460.00	235.36	-64.26	GYRO	OK		465.00	235.30	-64.22	GYRO	OK	
470.00	235.33	-64.23	GYRO	OK		475.00	235.35	-64.30	GYRO	OK	
480.00	235.40	-64.23	GYRO	OK		485.00	235.41	-64.27	GYRO	OK	
490.00	235.40	-64.22	GYRO	OK		495.00	235.43	-64.21	GYRO	OK	
500.00	235.52	-64.17	GYRO	OK		505.00	235.54	-64.14	GYRO	OK	
510.00	235.48	-64.14	GYRO	OK		515.00	235.47	-64.12	GYRO	OK	
520.00	235.46	-64.10	GYRO	OK		525.00	235.41	-64.06	GYRO	OK	
530.00	235.39	-64.02	GYRO	OK		535.00	235.45	-63.99	GYRO	OK	
540.00	235.45	-63.94	GYRO	OK		545.00	235.42	-63.90	GYRO	OK	

DETAILED LOG

Hole Number: **CAR-21-13**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
550.00	235.34	-63.85	GYRO	OK		555.00	235.25	-63.87	GYRO	OK	
560.00	235.35	-63.84	GYRO	OK		565.00	235.32	-63.78	GYRO	OK	
570.00	235.40	-63.74	GYRO	OK		575.00	235.36	-63.72	GYRO	OK	
580.00	235.40	-63.70	GYRO	OK		585.00	235.40	-63.71	GYRO	OK	
590.00	235.34	-63.69	GYRO	OK		595.00	235.10	-63.73	GYRO	OK	
600.00	234.73	-63.76	GYRO	OK		605.00	234.62	-63.76	GYRO	OK	
610.00	234.37	-63.81	GYRO	OK		612.00	232.00	-63.80	EZ Sho	N	
615.00	234.10	-63.81	GYRO	OK		620.00	233.99	-63.83	GYRO	OK	
625.00	233.90	-63.85	GYRO	OK		630.00	233.84	-63.86	GYRO	OK	
635.00	233.64	-63.71	GYRO	OK		640.00	233.59	-63.73	GYRO	OK	
645.00	233.57	-63.71	GYRO	OK		650.00	233.61	-63.76	GYRO	OK	
655.00	233.53	-63.80	GYRO	OK		660.00	233.48	-63.80	GYRO	OK	
663.00	233.30	-63.90	EZ Sho	N		665.00	233.55	-63.80	GYRO	OK	
670.00	233.48	-63.79	GYRO	OK		675.00	233.58	-63.77	GYRO	OK	
680.00	233.41	-63.79	GYRO	OK		685.00	233.55	-63.79	GYRO	OK	
690.00	233.54	-63.80	GYRO	OK		695.00	233.61	-63.79	GYRO	OK	
700.00	233.59	-63.74	GYRO	OK		705.00	233.58	-63.70	GYRO	OK	
710.00	233.56	-63.66	GYRO	OK		715.00	233.48	-63.65	GYRO	OK	
720.00	233.52	-63.62	GYRO	OK		725.00	233.37	-63.62	GYRO	OK	
730.00	233.43	-63.58	GYRO	OK		735.00	233.51	-63.55	GYRO	OK	
740.00	233.53	-63.51	GYRO	OK		745.00	233.61	-63.47	GYRO	OK	
750.00	233.77	-63.41	GYRO	OK		755.00	233.79	-63.41	GYRO	OK	
760.00	233.83	-63.38	GYRO	OK		765.00	233.87	-63.35	GYRO	OK	
765.00	239.20	-63.60	EZ Sho	N		770.00	233.97	-63.35	GYRO	OK	
775.00	234.07	-63.28	GYRO	OK		780.00	234.16	-63.23	GYRO	OK	
785.00	234.13	-63.17	GYRO	OK		790.00	234.27	-63.14	GYRO	OK	
795.00	234.41	-63.08	GYRO	OK		800.00	234.54	-63.08	GYRO	OK	
805.00	234.70	-63.01	GYRO	OK		843.00	236.60	-62.80	EZ Sho	N	

Detailed Lithology			Assay Data				
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	3.80	OVB, MELKIOR - Overburden					
3.80	17.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul, from 7.2 to 7.27 7 cm potassic quartz vein perpendicular to CA, tr sul, shp fractured FW ct @ 50 DTCA					

DETAILED LOG

Hole Number: **CAR-21-13**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
17.40	21.50	GRD_CB, Granodiorite - Carbonatized (Melkior) ark grey, medium grained, carbonatized, chloritic, @ 18.1 2 cm qtz stringer @ 60 DTCA with 1 to 2% subhedral py, @ 18.7 2 cm contorted grey qtz veinlet @ 70 DTCA with 4 to 5% locd subhedral py	292209	17.40	18.00	0.60	0.00
			292211	18.00	18.50	0.50	0.03
			292212	18.50	19.00	0.50	0.37
			292213	19.00	20.00	1.00	0.07
			292214	20.00	20.50	0.50	0.00
			292215	20.50	21.00	0.50	0.00
			292216	21.00	21.50	0.50	0.00
21.50	27.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,					
27.40	50.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, glomeroporphyritic texture, from 4.8 to 36.0 strongly sheared, faulted, crumbled localized fault zone from 35.9 to 36.1 meters, fractures @ 30 DTCA, tr sul, from 39.2 to 50.3 unit strongly sheared, more chloritic alteration, interstitial blue qtz eyes, shearing at 50 DTCA, from 44 to 44.6 strongly fractured faulted zone with fractures subparallel to CA, from 46.7 to 47.2 fractured faulted zone with fractures @ 50 DTCA, tr sul					
50.30	51.30	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange hue, aphanitic, massive homogeneous, microfractures infilled with chlorite, shp HW and FW ct' @ 25 DTCA, tr sul					
51.30	57.60	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul					
57.60	58.40	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange hue, aphanitic, massive homogeneous, microfractures infilled with chlorite, shp HW and FW ct' @ 30 DTCA, tr sul					
58.40	66.10	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul					
66.10	68.45	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish pinkish hue, weakly carbonatized, potassic, interstitial blue qtz eyes, mottled with flakes of leucoxene, scattered carbonate sts and vnt' subparallel to CA, from 68.17 to 68.33 aprox 10 to 12% columnar aggregates of subhedral py within carbonate gangue parallel to CA	292217	66.10	67.00	0.90	0.00
			292218	67.00	67.90	0.90	0.00
			292219	67.90	68.45	0.55	0.04
68.45	71.70	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul	292220	68.45	69.00	0.55	0.00
			292221	69.00	70.00	1.00	0.00
			292222	70.00	71.00	1.00	0.00
			292223	71.00	71.70	0.70	0.00
71.70	73.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,					

DETAILED LOG

Hole Number: **CAR-21-13**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
73.20	74.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red hue, predominantly hematitic alteration, secondary potassic alteration, glomeroporphyritic mottled with white calcite flakes, gractional HW and FW ct', tr sul					
74.80	89.10	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul					
89.10	91.00	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, tr sul	292224	90.00	91.00	1.00	0.01
91.00	92.10	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish pinkish hue, weakly carbonatized, potassic, interstitial blue qtz eyes, mottled with flakes of leucoxene, from 91.0 to 91.5 approx 7 to 8% scattered subhedral clusters of py occurring along qtz vnt' @ 30 DTCA, @ 92.0 approx 3 to 4% blebby and subhedral py	292225	91.00	91.50	0.50	0.36
			292226	91.50	92.10	0.60	0.01
92.10	114.70	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, from 109.3 to 109.6 locd grey zone with 3 to 4% cluster of subhedral py, from 110.0 to 110.4 locd cluster of approx 3 to 4% subhedral py aligned @ 30 DTCA	292227	92.10	93.00	0.90	0.00
			292228	93.00	94.00	1.00	0.00
			292229	98.00	99.00	1.00	0.00
			292231	99.00	100.00	1.00	0.00
			292232	100.00	100.50	0.50	0.00
			292233	100.50	101.00	0.50	0.00
			292234	108.00	109.00	1.00	0.00
			292235	109.00	109.50	0.50	0.03
			292236	109.50	110.00	0.50	0.00
			292237	110.00	110.50	0.50	0.02
			292238	110.50	111.00	0.50	0.00
114.70	120.20	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul					
120.20	122.70	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish creamy white, carbonatized, silicified, interstitial blue qtz eyes, approx 4 to 5% clusters of subhedral py locd along fractures and carb sts @ 20 to 30 DTCA, @ @ 122.2 cluster of approx 6 to 7% subhedral py	292239	120.20	121.00	0.80	0.01
			292240	121.00	121.50	0.50	0.00
			KL015019	121.00	121.50	0.50	
			292241	121.50	122.00	0.50	0.05
			292242	122.00	122.70	0.70	0.11
122.70	125.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, tr sul	292243	122.70	123.50	0.80	0.00
			292244	123.50	124.00	0.50	0.00
			292245	124.00	124.50	0.50	0.00
			292246	124.50	125.20	0.70	0.00
125.20	127.70	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish creamy white, carbonatized, silicified, weakly epidotitic in sections, interstitial blue qtz eyes, @ 125.4 3 cm white contorted qtz vn @ 20 DTCA, tr py, appox 2 to 3% diss py throughout unit	292247	125.20	126.00	0.80	0.03
			292248	126.00	127.00	1.00	0.03
			292249	127.00	127.70	0.70	0.02

DETAILED LOG

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
127.70	139.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul	292251	127.70	128.50	0.80	0.00
139.40	141.50	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish creamy white, carbonatized, silicified, interstitial blue qtz eyes, locally fractured with fractures subparallel to CA, speckled with yellowish leucoxene, approx 1 to 2% diss py	292252	139.40	140.00	0.60	0.08
			292253	140.00	141.00	1.00	0.00
			292254	141.00	141.50	0.50	0.01
141.50	156.90	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, @ 143.3 2 1 cm qtz and carb sts @ 30 DTCA with 2 to 3% diss py, @ 145.0 5 cm orange medium grained felsite dyke @ 30 DTCA with 1 to 2% diss py, @ 151.0 7 cm white qtz-tour vn perp to CA, tr sul, @ 156.56 14 cm white qtz-tour vn @ 70 DTCA, tr py	292255	141.50	142.00	0.50	0.00
			292256	142.00	143.00	1.00	0.01
			292257	143.00	143.50	0.50	0.00
			292258	143.50	144.00	0.50	0.00
156.90	160.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,	292259	160.00	160.50	0.50	0.01
160.50	163.60	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, interstitial blue qtz eyes, from 160.5 to 160.8 slightly hematitic zone with 1 cm carb sts @ 60 DTCA, approx 1 to 2% diss py, from 162.9 to 163.4 similar hematized zone with cb sts @ 70 DTCA and approx 1 to 2% diss py, @ 167.36 12 cm white qz vn @ 80 DTCA, tr sul	292260	160.50	161.00	0.50	0.00
			292261	161.00	162.00	1.00	0.00
			292262	162.00	163.00	1.00	0.00
			292263	163.00	163.60	0.60	0.00
163.60	181.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,					
181.90	187.40	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish creamy white, carbonatized, silicified, interstitial blue qtz eyes, scattered 1 cm cb sts and vnt' throughout from 60 to 70 DTCA, approx 2 to 3% scattered clusters of subhedral py	292264	181.90	183.00	1.10	0.02
			292265	183.00	183.50	0.50	0.01
			292266	183.50	184.00	0.50	0.03
			292267	184.00	185.00	1.00	0.01
			292268	185.00	185.50	0.50	0.01
			292269	185.50	186.00	0.50	0.00
			292271	186.00	186.50	0.50	0.00
			292272	186.50	187.40	0.90	0.02
187.40	197.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul, from 191.0 to 191.6 grey carbonatized localized grey zone with approx 1 to 2% diss and blebby py	292273	190.00	191.00	1.00	0.00
			292274	191.00	191.60	0.60	0.00
			292275	191.60	192.10	0.50	0.00
197.70	200.90	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, slightly silicified, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul					
200.90	203.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,					

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
203.40	216.20	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, slightly silicified, variably epidotized, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, from 213.05 to 213.20 15 cm white qtz-chl vn perp to CA with tr sul					
216.20	221.60	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,					
221.60	230.90	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, tr sul, fom 226.8 to 227.0 locd fractured sec with fractures para to CA	292276	223.00	224.00	1.00	0.01
			292277	224.00	225.00	1.00	0.00
			292278	230.00	230.90	0.90	0.00
230.90	233.10	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish creamy white, carbonatized, silicified, interstitial blue qtz eyes, scattered 1 cm cb sts and vnt' throughout from 60 to 70 DTCA, approx 3 to 4% scattered clusters of subhedral py	292279	230.90	231.50	0.60	0.02
			292280	231.50	232.00	0.50	0.04
			292281	232.00	232.50	0.50	0.03
			292282	232.50	233.10	0.60	0.03
233.10	242.90	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, chloritic, variably silicified, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul,	292283	233.10	234.00	0.90	0.10
242.90	259.40	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, from 243.6 to 243.8 approx 5 to 6% cluster of subhedral py, @ 253.2 approx 3 to 4% cluster of subhedral py	292284	242.90	243.60	0.70	0.03
			292285	243.60	244.10	0.50	2.08
			KL015021	243.60	244.10	0.50	
			292286	252.00	253.00	1.00	0.00
			292287	253.00	253.50	0.50	0.05
			292288	253.50	254.00	0.50	0.01
		KL015022	253.50	254.00	0.50		
259.40	267.80	QFP, QUARTZ FELDSPAR PORPHYRY light grey, siliceous, slightly chloritic, massive, homogeneous, scattered chloritic phenocrysts throughout, approx 2 to 3% scattered subhedral py xl', shp HW and FW ct' @ 70 DTCA	292289	259.40	260.00	0.60	0.00
			292291	260.00	261.00	1.00	0.00
			292292	261.00	262.00	1.00	0.00
267.80	289.80	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish to pinkish hue, predominantly epidotized but variably potassic, notably from 267.8 to 269.6 and from 274.0 to 276.0, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, from 283.0 to 288.0 strongly fractured and blocky core with fractures parallel to CA, tr sul, from 276 to 278 approx 2 to 3% subhedral py locd aong cb sts and qtz sts no wider than 1 cm and oriented @ 60 DTCA, @ 385.3 7 cm qtz-chl vn @ with tr sul, @ 287.4 3 cm qtz vnt @ 20 DTCA, tr py	292293	276.00	277.00	1.00	0.01
			292294	277.00	278.00	1.00	0.01
			292295	278.00	279.00	1.00	0.01
			292296	282.00	283.00	1.00	0.00
			292297	283.00	284.00	1.00	0.00
289.80	294.60	QFP, QUARTZ FELDSPAR PORPHYRY light grey, siliceous, slightly sericitic, moderately foliated with foliation @ 40 DTCA, massive homogeneous, approx 1 to 2% scattered subhedral py, shp HW and FW ct' @ 60 DTCA					

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
294.60	303.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul, @ 298.64 3 cm qtz veinlet @ 30 DTCA rimmed with chlorite and tourmaline, fom 298.7 to 299.2 black chloritic and tourmaline-rich vn parallel to CA, tr sul	292298	298.00	299.00	1.00	0.00
			292299	299.00	300.00	1.00	0.00
			292300	300.00	301.00	1.00	0.00
			292301	301.00	302.00	1.00	0.00
			292302	302.00	303.00	1.00	0.04
303.00	304.60	QV, Quartz Vein 1.6 meter white barren qtz vein possessing stylolites of chlorite and granodioritic xenoliths, shp HW and FW ct' @ 50 and 70 DTCA respectively, tr sul	292303	303.00	303.50	0.50	0.00
			292304	303.50	304.00	0.50	0.00
			292305	304.00	304.60	0.60	0.00
304.60	314.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, interstitial plagioclase, quartz and hornblende, glomeroporphyritic texture, tr sul,	292306	304.60	305.10	0.50	0.00
			292307	305.10	305.70	0.60	0.00
			292308	305.70	306.50	0.80	0.00
314.00	318.00	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes					
318.00	322.40	GRD_POT, Granodiorite - Potassic (Melkior) Pinkish orange hue, potassic, chloritic, variably silicified, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul,					
322.40	337.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, slightly pinkish hue, silicified, chloritic, slightly potassic, glomeroporphyritic, speckled with leucoxene and sausseritization, interstitial blue qtz eyes, @ 334.5 fracture @ 25 DTCA with 5 to 6% subhedral py smeared along fracture, from 335.9 to 336.1 approx 6 to 7% subhedral py within dark grey zone	292309	322.40	323.00	0.60	0.19
			292311	323.00	324.00	1.00	0.01
			292312	324.00	325.00	1.00	0.00
			292313	327.00	328.00	1.00	0.00
			292314	328.00	329.00	1.00	0.01
			292315	329.00	330.00	1.00	0.01
			292316	333.00	333.50	0.50	0.01
			292317	333.50	334.00	0.50	0.01
			292318	334.00	334.50	0.50	0.01
			292319	334.50	335.00	0.50	0.01
			292320	335.00	335.50	0.50	0.00
			292321	335.50	336.00	0.50	0.03
			292322	336.00	336.50	0.50	0.01
			292323	336.50	337.20	0.70	0.00
337.20	338.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, chloritic, slightly silicified, pitted core, approx 6 to 7% scattered clusters of subhedral py	292324	337.20	337.70	0.50	0.02
			292325	337.70	338.50	0.80	0.01
338.50	342.00	GRD_SIL, Granodiorite - Silicified (Melkior) creamy pinkish white, silicified, slightly potassic, intercalated dark grey chloritic and carbonatized grey zones, approx 2 to 3% subhedral clusters of py within grey zones	292326	338.50	339.00	0.50	0.00
			292327	339.00	340.00	1.00	0.00
			292328	340.00	341.00	1.00	0.01
			292329	341.00	342.00	1.00	0.01

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
342.00	348.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, chloritic, slightly silicified, locally fractured with fractures @ 40 to 50 DTCA, approx 7 to 8% scattered clusters of subhedral py and locd along fractures	292331	342.00	343.00	1.00	0.01
			292332	343.00	343.50	0.50	0.00
			292333	343.50	344.00	0.50	0.02
			292334	344.00	344.50	0.50	0.01
			292335	344.50	345.20	0.70	0.10
			292336	345.20	346.00	0.80	0.01
			292337	346.00	346.50	0.50	0.01
			292338	346.50	347.00	0.50	0.02
			292339	347.00	347.50	0.50	0.01
			292340	347.50	348.00	0.50	0.01
348.00	353.00	GRD_SIL, Granodiorite - Silicified (Melkior) creamy pinkish white, silicified, slightly potassic, intercalated dark grey chloritic and carbonatized grey zones, approx 2 to 3% subhedral clusters of py within grey zones	292341	348.00	348.50	0.50	0.01
			292342	348.50	349.00	0.50	0.00
			292343	349.00	349.50	0.50	0.01
			292344	349.50	350.00	0.50	0.00
			292345	350.00	351.00	1.00	0.01
			292346	351.00	352.00	1.00	0.00
			292347	352.00	353.00	1.00	0.00
353.00	355.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, chloritic, slightly silicified, locally fractured with fractures @ 40 to 50 DTCA, approx 3 to 4% scattered clusters of subhedral py and locd along fracture notably @ 355.5 with 6 to 7% py locd along fracture @ 20 DTCA	292348	353.00	354.00	1.00	0.00
			292349	354.00	355.00	1.00	0.01
			292351	355.00	355.70	0.70	0.08
355.70	359.00	GRD_SIL, Granodiorite - Silicified (Melkior) creamy pinkish white, silicified, slightly potassic, intercalated dark grey chloritic and carbonatized grey zones, approx 1 to 2% diss py within grey zones	292352	355.70	356.20	0.50	0.01
			292353	356.20	357.00	0.80	0.00
359.00	369.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish orange hue, potassic, chloritic, increasing hematitic alteration, glomeroporphyritic texture, mottled with white calcite, pitted core, tr sul, shp FW ct perp to CA					
369.00	375.20	BaFBx, Melkior - Basalt Flow Breccia light to dark green, fine grained, chloritic, sericitic, epidotitic, subaqueous quench textures, vesicular with reaction rims around vesicles, moderately foliated with foliation @ 30 DTCA, diffuse granodioritic clasts incorporated within matrix, tr sul	292354	369.00	370.00	1.00	0.00
			292355	370.00	371.00	1.00	0.00
			292356	371.00	372.00	1.00	0.00
			292357	372.00	373.00	1.00	0.00
			292358	373.00	374.00	1.00	0.00
			292359	374.00	375.00	1.00	0.00
375.20	378.30	GRD_POT, Granodiorite - Potassic (Melkior) reddish orange hue, potassic, chloritic, increasing hematitic alteration, glomeroporphyritic texture, shp HW and FW ct @ 20 and 30 DTCA respectively, tr sul					
378.30	402.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally sericitic and epidotitic, massive, fine grained, homogeneous, sections with slightly elevated hematitic alteration, rare qtz sts subparallel to CA, speckled with sericitized clasts, tr sul, from 398.3 to 393.6 3 cm qtz vnt parallel to CA with approx 1 to 2% diss py, from 398 to 402 strongly fractured with fractures parallel to CA, tr sul	292360	398.00	399.00	1.00	0.00
			292361	399.00	400.00	1.00	0.00

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
402.00	405.20	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fg, siliceous, massive, homogeneous, mottled with white plagioclase phenocrysts, tr sul, from 404.4 to 404.6 white orange vuggy 2 cm qtz vnt stained with potassic alteration parallel to CA, tr sul					
405.20	450.40	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally sericitic and epidotitic, massive, fine grained, homogeneous, rare qtz sts subparallel to CA, speckled with sericitized clasts, tr sul, from 417 to 422 strongly fractured with fractures parallel to CA, from 417 to 423 scattered epidotitic patches, localized 1 cm qtz-chl vnt @ 50 DTCA with diffuse hematitic alteration halo, tr sul, from 429.0 to 430.0 approx 3 to 4% locd clusters of subhedral and euhedral py locd along chloritic selvages @ 50 DTCA, from 429 to 432.2 more of a flow breccia with chloritic vesicles surrounded by reaction rims, from 432.8 to 433.5 strongly magnetic magnetite-rich section with bands of carbonate subparallel to CA and approx 8 to 10@ blebby and subhedral py, from 434 to 437 approx 3 to 4% scattered clusters of subhedral and euhedral py, from 441.2 to 441.6 cluster of approx 4 to 5% subhedral and euhedral py, from 445.6 to 445.9 cluster of approx 8 to 10% blebby py, from 446.1 to 446.6 silicified and sericitic localized breccia @ 50 DTCA, tr sul	292362	428.00	429.00	1.00	0.00
			292363	429.00	430.00	1.00	0.00
			292364	432.00	432.50	0.50	0.01
			292365	432.50	433.00	0.50	0.05
			292366	433.00	433.50	0.50	0.07
			292367	433.50	434.00	0.50	0.01
			292368	434.00	435.00	1.00	0.00
			292369	435.00	436.00	1.00	0.00
			292371	436.00	437.00	1.00	0.01
			292372	445.00	445.50	0.50	0.00
			292373	445.50	446.00	0.50	0.02
			292374	446.00	447.00	1.00	0.01
450.40	466.80	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fg, siliceous, massive, homogeneous, mottled with white plagioclase phenocrysts, tr sul, somewhat fractured and blocky core with fractures @ 50 to 70 DTCA, scattered qtz-carb sts and vnt' @ 50 to 60 DTCA, fractured HW ct @ 40 DTCA with 4 cm white qtz-chl vn @ 50 DTCA, tr sul, shp FW ct @ 70 DTCA	292375	466.00	466.80	0.80	0.00
466.80	478.30	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally sericitic and epidotitic, @ 467.0 approx 6 to 7% patchy subhedral py, from 471.7 to 472.1 black magnetite-rich and carbonaceous zone wit carb sts @ 60 DTCA and approx 10-12% diss and blebby py, from 477.3 to 477.8 chloritic and carbonaceous zone with approx 6 to 7% diss and blebby py	292376	466.80	467.30	0.50	0.03
			292377	467.30	468.00	0.70	0.01
			292378	471.00	471.70	0.70	0.01
			292379	471.70	472.20	0.50	0.02
			292380	472.20	473.00	0.80	0.00
			292381	476.00	477.00	1.00	0.03
			292382	477.00	478.00	1.00	0.07
478.30	480.20	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fg, siliceous, massive, homogeneous, mottled with chlorite phenocrysts, tr sul,					

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
480.20	536.80	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally sericitic and epidotitic, from 488 to 492, slightly siliceous and sericitic section with siliceous banding @ 20 DTCA, patchy carbonate and approx 3 to 4% scattered subhedral and euhedral py xl', from 492 to 495 dark green chloritic section, weakly magnetic with approx 4 to 5% subhedral and localized blebby py, @ 501.0 8 cm qtz-calcite-chlorite vn with HW and FW ct' @ 50 and 30 DTCA respectively, approx 1 to 2% diis py locd along vn HW ct, @ 502.06 2cm qtz vnt rimmed with epidote @ 40 DTCA, tr sul, from 503.6 to 504.8 blocky, fractured core with approx 2 to 3% scattered subhedral and euhedral py, from 505.3 to 507.0 siliceous, sericitic and slightly potassic diffuse banding subparallel to CA, tr sul, patch of cpy @ 508.7, from 516 to 519 brecciated hyaloclastite, slightly epidotized and silicified, tr sul, from 519 to 531 fairly massive and homogeneous with abundant calcite sts @ 60 to 90 DTCA, scattered porphyritic xenoliths no wider than 10 cm, tr sul, from 529.6 to 530.6 1 cm qtz vnt parallel to CA with 2 to 3% diss and subhedral py throughout surrounding wallrock, 533.0 to 533.3 2 cm qtz vnt @ 10 DTCA, approx 1 to 2% diss and subhedral and euhedral py xl' within surrounding wallrock, fractured FW ct @ 10 DTCA	292383	488.00	489.00	1.00	0.00
			292384	489.00	490.00	1.00	0.00
			292385	490.00	491.00	1.00	0.00
			292386	491.00	492.00	1.00	0.00
			292387	492.00	493.00	1.00	0.00
			292388	493.00	494.00	1.00	0.00
			292389	494.00	495.00	1.00	0.01
			292391	508.00	508.50	0.50	0.00
			292392	508.50	509.00	0.50	0.01
			292393	529.00	529.50	0.50	0.00
			292394	529.50	530.00	0.50	0.00
			292395	530.00	530.50	0.50	0.01
			292396	530.50	531.00	0.50	0.00
			292397	536.00	536.80	0.80	0.01
536.80	542.30	IF, Melkior - Iron Formation dark green to black, aphanitic magnetite IF facies with brecciated carbonate vnt' parallel to CA and secondary cb vnt' and sts @ 70 to 80 DTCA, strongly magnetic affecting reflex azimuth tests with high magnetic field readings, approx 7 to 8% clusters of blebby py throughout, from 541.5 to 542.3 approx 25 to 30% patchy and blebby py grading to semi-massive, @ 542.1 cluster of cpy flakes, approx 2 to 3%, shp fractured FW CT @ 30 DTCA	292398	536.80	537.50	0.70	0.02
			292399	537.50	538.00	0.50	0.03
			292400	538.00	539.00	1.00	0.01
			292401	539.00	540.00	1.00	0.06
			292402	540.00	541.00	1.00	0.16
			292403	541.00	541.50	0.50	0.09
			292404	541.50	542.30	0.80	0.08
542.30	546.90	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fg, siliceous, massive, homogeneous, mottled with white plagioclase phenocrysts and dark green chloritic flakes, tr sul,	292405	542.30	543.00	0.70	0.04
			292406	546.00	546.90	0.90	0.21

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
546.90	565.10	IF, Melkior - Iron Formation dark green to black, aphanitic, strongly magnetic, intercalated magnetite and chlorite rich bands subparallel to CA, diffuse carbonaceous patches and clasts from 548.8 to 552.0 approx 20 to 25% blebby and banded semi-massive py notably from 562.6 to 563.1 where py increases to approx 30%, from 556.5 to 557 approx 25 to 30% semi-massive py within magnetite, from 564.4 to 565.1 silica-rich chemical exhalite	292407	546.90	547.50	0.60	0.35
			292408	547.50	548.00	0.50	0.04
			292409	548.00	548.50	0.50	0.13
			292411	548.50	549.00	0.50	0.04
			292412	549.00	550.00	1.00	0.02
			292413	550.00	551.00	1.00	0.03
			292414	551.00	552.00	1.00	0.04
			292415	552.00	553.00	1.00	0.02
			292416	553.00	554.00	1.00	0.01
			292417	554.00	555.00	1.00	0.01
			292418	555.00	555.50	0.50	0.09
			292419	555.50	556.00	0.50	0.08
			292420	556.00	556.50	0.50	0.05
			292421	556.50	557.00	0.50	0.02
			292422	557.00	558.00	1.00	0.01
			292423	558.00	559.00	1.00	0.01
			292424	559.00	560.00	1.00	0.02
			292425	560.00	560.50	0.50	0.05
			292426	560.50	561.00	0.50	0.11
			292427	561.00	561.50	0.50	0.02
			292428	561.50	562.00	0.50	0.01
			292429	562.00	562.60	0.60	0.02
			292431	562.60	563.10	0.50	0.05
			292432	563.10	564.00	0.90	0.02
			292433	564.00	564.50	0.50	0.02
			292434	564.50	565.10	0.60	0.01

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
565.10	728.20	MT, Melkior - Mafic Tuff light grey-green, fine to medium grained, predominantly chloritic with patchy sericitic alteration, unit has a pepperite texture possibly indicative of explosive volcanic origins, altered sections appear somewhat tuffaceous, unit described as a welded ash tuff, subrounded to subangular chloritic fragments with sericitized and slightly potassic matrix, unit appears more andesitic in composition, from 582 to 588 extremely fractured and blocky core, scattered qtz-carb sts varying in orientation from 30 to 70 DTCA, occasional epidotitic and potassic vnt' at low angles to CA, tr sul, from 605.8 to 606.0 20 cm brecciated qv with chloritic fragments and epidotitic and potassic alteration, approx 1 to 2% diss py, 611.1 to 611.3 anastomosing white qv parallel to CA with potassic patches, tr sul, 615.8 to 615.9 brecciated white qtz vn with 1 to 2% patchy cpy and possible sph, vng parallel to CA, @ 616.16 patch of 2 to 3% cpy, from 623 to 624.5 series of white qv' up to 4 cm in width subparallel to CA, approx 1 to 2% diss py in surrounding wallrock, @ 630.8 2 cm grey qtz vnt parallel to CA with 2 to 3% cpy locd in vnt fold nose, @ 630.9 patch of asp, @ 633.3 10 cm patch of qtz with 1 to 2% diss py in surrounding wallrock, from 633.8 to 636.6 3 1 cm white qtz vnt' @ 20 DTCA, tr sul, from 634 to 645 orange patchy potassic and slightly hematitic alteration, @ 643.85 and 644.2 2 1 cm qtz sts @ 35 DTCA with specular hematite, @ 650.7 4 cm qtz-chl vn @ 60 DTCA with 1 to 2% patchy sph, @ 661.7 cluster of approx 2 to 3% subhedral py with flake of vg along ptygmatically contorted 1 cm carb stringer perp to CA vg occurs within potassic alteration, from 667 to 700 somewhat vesicular and locally amygdaloidal with chloritic and carbonaceous fragments with reaction rims, slightly sericitic and siliceous, @ 677.2 4 cm carbonate clast with 3 to 4% disss py, from 681.8 to 682.3 crackle breccia comprised of carbonate and qtz, tr sul, @ 713 3 cm white qtz-calcite vnt @ 40 DTCA, approx 2 to 3% blebby and subhedral py throughout wallrock, from 711 to 718 approx 3 to 4% scattered clusters of subhedral py, from 722 to 728.2 approx 3 to 4% scattered clusters of subhedral to euhedral py, shp fractured FW ct @ 20 DTCA	292435	565.10	566.00	0.90	0.01
			292436	604.00	605.00	1.00	0.00
			292437	605.00	605.50	0.50	0.00
			292438	605.50	606.00	0.50	0.00
			292439	606.00	606.50	0.50	0.01
			292440	606.50	607.00	0.50	0.01
			292441	607.00	608.00	1.00	0.00
			292442	608.00	609.00	1.00	0.00
			292443	609.00	610.00	1.00	0.01
			292444	610.00	611.00	1.00	0.01
			292445	611.00	611.50	0.50	0.01
			292446	611.50	612.00	0.50	0.01
			292447	615.00	616.00	1.00	0.01
			292448	616.00	616.50	0.50	0.00
			292449	616.50	617.00	0.50	0.00
			292451	617.00	618.00	1.00	0.01
			292452	623.00	623.50	0.50	0.01
			292453	623.50	624.00	0.50	0.00
			292454	624.00	625.00	1.00	0.01
			292455	629.00	630.00	1.00	0.01
			292456	630.00	630.50	0.50	0.01
			292457	630.50	631.00	0.50	0.01
			292458	631.00	632.00	1.00	0.01
			292459	633.00	634.00	1.00	0.01
			292460	634.00	635.00	1.00	0.01
			292461	635.00	636.00	1.00	0.01
			292462	636.00	637.00	1.00	0.01
			292463	642.00	643.00	1.00	0.01
			292464	643.00	644.00	1.00	0.01
			292465	644.00	644.50	0.50	0.01
		292466	644.50	645.00	0.50	0.01	
		292467	650.00	650.50	0.50	0.01	
		292468	650.50	651.00	0.50	0.00	
		292469	651.00	652.00	1.00	0.00	
		292471	660.00	661.00	1.00	0.00	
		292472	661.00	661.50	0.50	0.01	
		292473	661.50	662.00	0.50	0.00	
		292474	662.00	662.50	0.50	0.00	
		292475	662.50	663.00	0.50	0.00	
		292476	676.50	677.00	0.50	0.01	
		292477	677.00	677.50	0.50	0.01	
		292478	677.50	678.00	0.50	0.00	
		292479	681.00	681.80	0.80	0.01	

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			292480	681.80	682.30	0.50	0.01
			292481	682.30	683.00	0.70	0.01
			292482	711.00	712.00	1.00	0.00
			292483	712.00	713.00	1.00	0.00
			292484	713.00	714.00	1.00	0.00
			292485	714.00	715.00	1.00	0.00
			292486	715.00	716.00	1.00	0.01
			292487	716.00	717.00	1.00	0.01
			292488	717.00	718.00	1.00	0.00
			292489	722.00	723.00	1.00	0.00
			292491	723.00	724.00	1.00	0.00
			292492	724.00	725.00	1.00	0.08
			292493	725.00	726.00	1.00	0.01
			292494	726.00	727.00	1.00	0.01
			292495	727.00	728.20	1.20	0.01
728.20	731.60	IF, Melkior - Iron Formation purplish black, with dark green banding, extremely magnetic, predominantly magnetite-rich, chloritic and carbonaceous diffuse banding @ 30 DTCA, approx 20 to 25% pyritic banding occurring as subhedral clusters and locally approaching semi-massive bands, shp FW ct @ 30 DTCA	292496	728.20	729.00	0.80	0.02
			292497	729.00	730.00	1.00	0.00
			292498	730.00	731.00	1.00	0.04
			292499	731.00	731.60	0.60	0.02
731.60	744.90	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, slightly sericitic, massive, homogeneous, abundant qtz-carb sts and vnt' oriented from 40 to 60 DTCA, from 741.5 to 744.9 strongly fractured with fractures parallel to CA, approx 1 to 2% scattered subhedral py, fractured FW ct @ 20 DTCA	292500	731.60	732.20	0.60	0.00
			292501	744.00	744.90	0.90	0.00
744.90	753.00	IF, Melkior - Iron Formation purplish black, with dark green banding, extremely magnetic, predominantly magnetite-rich, chloritic and carbonaceous diffuse banding @ 30 DTCA, approx 20 to 25% pyritic banding occurring as subhedral clusters and locally approaching semi-massive bands, notably @ 747.2 m and 748.0 meters sulphide bands up to 10 cm in width, shp FW ct @ 30 DTCA	292502	744.90	745.50	0.60	0.02
			292503	745.50	746.00	0.50	0.01
			292504	746.00	747.00	1.00	0.01
			292505	747.00	747.50	0.50	0.02
			292506	747.50	748.00	0.50	0.08
			292507	748.00	749.00	1.00	0.03
			292508	749.00	750.00	1.00	0.08
			292509	750.00	751.00	1.00	0.00
			292511	751.00	752.00	1.00	0.01
			292512	752.00	753.00	1.00	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
753.00	770.30	QFP, QUARTZ FELDSPAR PORPHYRY light grey, siliceous, locally sericitic and potassic from 756.7 to 757.6, sheared and fractured from 757.4 to 757.6 with fractures @ 40 DTCA, unit mottled with sericitized plagioclase phenocrysts, massive, homogeneous, 4 cm white boudinaged qv @ 60 DTCA with tr sul, @ 763.92 white 7 cm qv perpendicular to CA, tr sul, @ 765.4 4 cm white qv @ 60 DTCA with tr sul, shp fw ct @ 40 DTCA, @ 767.8 6 cm white qv @ 60 DTCA with tr py, @ @ 768.5 5 cm white qtz-chl vn @ 60 DTCA, tr sul	292513	753.00	754.00	1.00	0.00
			292514	756.00	757.00	1.00	0.00
			292515	757.00	758.00	1.00	0.00
			292516	763.50	764.00	0.50	0.01
			292517	764.00	765.00	1.00	0.00
			292518	765.00	766.00	1.00	0.03
			292519	766.00	767.00	1.00	0.00
			292520	767.00	768.00	1.00	0.01
			292521	768.00	769.00	1.00	0.00
			292522	769.00	769.50	0.50	0.00
		292523	769.50	770.30	0.80	0.00	

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
770.30	791.00	IF, Melkior - Iron Formation dark grey-green, aphanitic, strongly magnetic, banded texture comprised of banded and patchy purplish magnetite, silicified cherty exhalites, diffuse carbonate bands, chloritic bands and late crosscutting white quartz veins up to 50 cm in width, aprox 20 to 25% sulphides throughout unit, from 770.5 to 770.8 30 cm grey qv with HW and FW ct' @ 30 and 50 DTCA, approx 20 to 25% subhedral py, 2 to 3% patchy sph and 1 to 2% cpy, from 770.8 to 771.9 predominantly chloritic, siliceous with approx 15 to 20% patchy blebby py, from 771.9 to 773.1 silicified herty section with approx 15 to 20% patchy py, from 771.9 to 772.3 brassy patchy py, possible specks of vg within sulphides, @ 772.1 1 cm white qtz vnt @ 40 DTCA with 6 to 7% patchy py, from 773.4 to 774.26 grey silicified cherty section with chloritic banding and approx 20 to 25% py, from 774.26 to 774.40 8 cm white qv @ 50 DTCA with 6 to 7% patchy py, from 774.5 to 776.9 predominantly chloritic with abundant rounded to subrounded grey silica clasts, approx 8 to 10% subhedral to euhedral py throughout section, from 776.9 to 777.4 50 cm white qv with HW and FW ct' @ 50 and 70 DTCA, approx 4 to 5% patchy py within vn, from 777.5 to 779.0 grey silicified cherty zone with shp FW ct @ 20 DTCA, @ 778.25 approx 6 to 7% patchy subhedral py with 2 to 3% patchy asp, from 779 to 783 blackish purple magnetite with grey silicified chert subrounded clasts and bands with approx 8 to 10% patchy py throughout, @ 783.36 2 cm white qv @ 50 DTCA with 1 to 2% patchy asp, @ 784 6 cm white qv @ 70 DTCA with 3 to 4% patchy subhedral py locd along vn ct, from 786 to 789 predominantly silica-rich with patches of magnetite, approx 12 to 15% patchy py throughout, @ 785.9 to 786.14 white patchy qz vngwith approx 8 to 10% patchy subhedral py, hw and fw ct' @70 and 30 DTCA, 786.14 to 786.33 17 cm white qv @ 40 DTCA with 5 to 6% subhedral py, @ 787.25 5 cm white qv @ 60 TCA with 3 to 4% patchy py, 787.5 to 787.7 20 cm white qv with HW and FW ct' @ 40 DTCA with 3 to 4% patchy subhedral py and hematite, @ 788.58 8 cm white qv @ 50 DTCA with approx 2 to 3% subhedral py, shp FW ct @ 30 DTCA	292524	770.30	771.00	0.70	0.10	
				292525	771.00	771.50	0.50	0.11
				292526	771.50	772.00	0.50	0.07
				292527	772.00	772.50	0.50	0.05
				292528	772.50	773.00	0.50	0.11
				292529	773.00	773.50	0.50	0.04
				292531	773.50	774.00	0.50	0.02
				292532	774.00	774.50	0.50	0.03
				292533	774.50	775.00	0.50	0.03
				292534	775.00	775.50	0.50	0.04
				292535	775.50	776.20	0.70	0.02
				292536	776.20	776.90	0.70	0.01
				292537	776.90	777.50	0.60	0.02
				292538	777.50	778.00	0.50	0.01
				292539	778.00	778.50	0.50	0.01
				292540	778.50	779.00	0.50	0.01
				292541	779.00	780.00	1.00	0.01
				292542	780.00	781.00	1.00	0.01
				292543	781.00	782.00	1.00	0.01
				292544	782.00	783.00	1.00	0.01
				292545	783.00	783.50	0.50	0.01
				292546	783.50	784.00	0.50	0.01
				292547	784.00	785.00	1.00	0.01
				292548	785.00	785.50	0.50	0.01
				292549	785.50	786.00	0.50	0.01
				292551	786.00	786.50	0.50	0.04
				292552	786.50	787.00	0.50	0.02
				292553	787.00	787.50	0.50	0.04
			292554	787.50	788.00	0.50	0.01	
			292555	788.00	788.50	0.50	0.02	
			292556	788.50	789.00	0.50	0.00	
			292557	789.00	790.00	1.00	0.01	
			292558	790.00	791.00	1.00	0.03	
791.00	796.30	MV, Melkior - Mafic Volcanic Rock dark grey, massive, fg, chloritic and siliceous, abundant qtz calcite sts @ 50 to 70 DTCA, from 793.9 to 794.3 QFP dyke @ 30 DTCA, tr sul	292559	791.00	792.00	1.00	0.00	
				292560	792.00	793.00	1.00	0.00
				292561	793.00	794.00	1.00	0.00
				292562	794.00	795.00	1.00	0.00
				292563	795.00	795.50	0.50	0.00
				292564	795.50	796.30	0.80	0.00

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
796.30	798.30	QFP, QUARTZ FELDSPAR PORPHYRY light grey, aphanitic, strongly silicified, possible albitite dyke, from 796.3 to 796.6 approx 8 to 10% scattered clusters of coarse subhedral py, extremely blocky and fractured core with fractures @ 50 to 70 DTCA, abundant qtz-carb hairline fractures and sts perp to CA, shp HW and FW ct' @ 40 and 50 DTCA respectively fractured HW ct	292565	796.30	796.80	0.50	0.00
			292566	796.80	797.30	0.50	0.00
			292567	797.30	798.30	1.00	0.00
798.30	802.60	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, slightly carbonaceous, massive, homogeneous, approx 2 to 3% scattered subhedral and euhedral py xl' throughout, abundant qtz-calcite sts and vnt' @ 50 to 70 DTCA	292568	798.30	799.00	0.70	0.00
			292569	799.00	800.00	1.00	0.00
			292571	800.00	801.00	1.00	0.00
			292572	801.00	802.00	1.00	0.00
			292573	802.00	802.60	0.60	0.00
802.60	805.10	QFP, QUARTZ FELDSPAR PORPHYRY orange brown, potassic, siliceous, mottled with black chlorite phenocrysts and white calcite phenocrysts, massive, homogeneous, abundant carb sts @ 50 to 70 DTCA, shp HW and FW ct' @ 20 and 60 DTCA, tr sul					
805.10	840.20	MV, Melkior - Mafic Volcanic Rock dark green, predominantly chloritic, locally sericitic and potassic alteration within brecciated hyaloclastite, from 811.2 to 818 approx 3 to 4% scattered clusters of subhedral and euhedral py,, from 823 to 825 approx 3 to 4% scattered clusters of subhedrl and euhedral py	292574	806.00	807.00	1.00	0.00
			292575	807.00	808.00	1.00	0.00
			292576	811.00	812.00	1.00	0.00
			292577	812.00	813.00	1.00	0.00
			292578	813.00	814.00	1.00	0.00
			292579	814.00	815.00	1.00	0.00
			292580	815.00	816.00	1.00	0.00
			292581	816.00	817.00	1.00	0.00
			292582	817.00	818.00	1.00	0.00
			292583	823.00	824.00	1.00	0.00
			292584	824.00	825.00	1.00	0.00
			292585	825.00	826.00	1.00	0.00
840.20	842.20	QFP, QUARTZ FELDSPAR PORPHYRY reddish orange, potassic, hematitic, siliceous, mottled with black chlorite phenocrysts and white calcite phenocrysts, massive, homogeneous, tr sul, shp HW and FW ct' @ 40 DTCA					
842.20	843.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, slightly carbonaceous, massive, homogeneous, tr sul, EOH					

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292209	17.40	18.00	0.0025
292211	18.00	18.50	0.0280
292212	18.50	19.00	0.3740
292213	19.00	20.00	0.0680
292214	20.00	20.50	0.0025
292215	20.50	21.00	0.0025

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292216	21.00	21.50	0.0025
292217	66.10	67.00	0.0025
292218	67.00	67.90	0.0025
292219	67.90	68.45	0.0360
292220	68.45	69.00	0.0025
292221	69.00	70.00	0.0025
292222	70.00	71.00	0.0025
292223	71.00	71.70	0.0025
292224	90.00	91.00	0.0070
292225	91.00	91.50	0.3550
292226	91.50	92.10	0.0090
292227	92.10	93.00	0.0025
292228	93.00	94.00	0.0025
292229	98.00	99.00	0.0025
292231	99.00	100.00	0.0025
292232	100.00	100.50	0.0025
292233	100.50	101.00	0.0025
292234	108.00	109.00	0.0025
292235	109.00	109.50	0.0290
292236	109.50	110.00	0.0025
292237	110.00	110.50	0.0200
292238	110.50	111.00	0.0025
292239	120.20	121.00	0.0050
292240	121.00	121.50	0.0025
292241	121.50	122.00	0.0490
292242	122.00	122.70	0.1060
292243	122.70	123.50	0.0025
292244	123.50	124.00	0.0025
292245	124.00	124.50	0.0025
292246	124.50	125.20	0.0025
292247	125.20	126.00	0.0280
292248	126.00	127.00	0.0250
292249	127.00	127.70	0.0170
292251	127.70	128.50	0.0025
292252	139.40	140.00	0.0810
292253	140.00	141.00	0.0025
292254	141.00	141.50	0.0080
292255	141.50	142.00	0.0025
292256	142.00	143.00	0.0100

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292257	143.00	143.50	0.0025
292258	143.50	144.00	0.0025
292259	160.00	160.50	0.0050
292260	160.50	161.00	0.0025
292261	161.00	162.00	0.0025
292262	162.00	163.00	0.0025
292263	163.00	163.60	0.0025
292264	181.90	183.00	0.0150
292265	183.00	183.50	0.0120
292266	183.50	184.00	0.0270
292267	184.00	185.00	0.0070
292268	185.00	185.50	0.0050
292269	185.50	186.00	0.0025
292271	186.00	186.50	0.0025
292272	186.50	187.40	0.0220
292273	190.00	191.00	0.0025
292274	191.00	191.60	0.0025
292275	191.60	192.10	0.0025
292276	223.00	224.00	0.0080
292277	224.00	225.00	0.0025
292278	230.00	230.90	0.0025
292279	230.90	231.50	0.0160
292280	231.50	232.00	0.0360
292281	232.00	232.50	0.0330
292282	232.50	233.10	0.0250
292283	233.10	234.00	0.1020
292284	242.90	243.60	0.0300
292285	243.60	244.10	2.0800
292286	252.00	253.00	0.0025
292287	253.00	253.50	0.0460
292288	253.50	254.00	0.0070
292289	259.40	260.00	0.0025
292291	260.00	261.00	0.0025
292292	261.00	262.00	0.0025
292293	276.00	277.00	0.0110
292294	277.00	278.00	0.0090
292295	278.00	279.00	0.0050
292296	282.00	283.00	0.0025
292297	283.00	284.00	0.0025

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292298	298.00	299.00	0.0025
292299	299.00	300.00	0.0025
292300	300.00	301.00	0.0025
292301	301.00	302.00	0.0025
292302	302.00	303.00	0.0440
292303	303.00	303.50	0.0025
292304	303.50	304.00	0.0025
292305	304.00	304.60	0.0025
292306	304.60	305.10	0.0025
292307	305.10	305.70	0.0025
292308	305.70	306.50	0.0025
292309	322.40	323.00	0.1890
292311	323.00	324.00	0.0060
292312	324.00	325.00	0.0025
292313	327.00	328.00	0.0025
292314	328.00	329.00	0.0070
292315	329.00	330.00	0.0060
292316	333.00	333.50	0.0060
292317	333.50	334.00	0.0090
292318	334.00	334.50	0.0090
292319	334.50	335.00	0.0120
292320	335.00	335.50	0.0025
292321	335.50	336.00	0.0260
292322	336.00	336.50	0.0060
292323	336.50	337.20	0.0025
292324	337.20	337.70	0.0220
292325	337.70	338.50	0.0080
292326	338.50	339.00	0.0025
292327	339.00	340.00	0.0025
292328	340.00	341.00	0.0050
292329	341.00	342.00	0.0050
292331	342.00	343.00	0.0050
292332	343.00	343.50	0.0025
292333	343.50	344.00	0.0160
292334	344.00	344.50	0.0080
292335	344.50	345.20	0.0980
292336	345.20	346.00	0.0050
292337	346.00	346.50	0.0100
292338	346.50	347.00	0.0170

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292339	347.00	347.50	0.0090
292340	347.50	348.00	0.0090
292341	348.00	348.50	0.0050
292342	348.50	349.00	0.0025
292343	349.00	349.50	0.0080
292344	349.50	350.00	0.0025
292345	350.00	351.00	0.0070
292346	351.00	352.00	0.0025
292347	352.00	353.00	0.0025
292348	353.00	354.00	0.0025
292349	354.00	355.00	0.0100
292351	355.00	355.70	0.0840
292352	355.70	356.20	0.0060
292353	356.20	357.00	0.0025
292354	369.00	370.00	0.0025
292355	370.00	371.00	0.0025
292356	371.00	372.00	0.0025
292357	372.00	373.00	0.0025
292358	373.00	374.00	0.0025
292359	374.00	375.00	0.0025
292360	398.00	399.00	0.0025
292361	399.00	400.00	0.0025
292362	428.00	429.00	0.0025
292363	429.00	430.00	0.0025
292364	432.00	432.50	0.0050
292365	432.50	433.00	0.0450
292366	433.00	433.50	0.0710
292367	433.50	434.00	0.0070
292368	434.00	435.00	0.0025
292369	435.00	436.00	0.0025
292371	436.00	437.00	0.0080
292372	445.00	445.50	0.0025
292373	445.50	446.00	0.0160
292374	446.00	447.00	0.0050
292375	466.00	466.80	0.0025
292376	466.80	467.30	0.0320
292377	467.30	468.00	0.0080
292378	471.00	471.70	0.0050
292379	471.70	472.20	0.0220

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292380	472.20	473.00	0.0025
292381	476.00	477.00	0.0250
292382	477.00	478.00	0.0670
292383	488.00	489.00	0.0025
292384	489.00	490.00	0.0025
292385	490.00	491.00	0.0025
292386	491.00	492.00	0.0025
292387	492.00	493.00	0.0025
292388	493.00	494.00	0.0025
292389	494.00	495.00	0.0050
292391	508.00	508.50	0.0025
292392	508.50	509.00	0.0050
292393	529.00	529.50	0.0025
292394	529.50	530.00	0.0025
292395	530.00	530.50	0.0050
292396	530.50	531.00	0.0025
292397	536.00	536.80	0.0050
292398	536.80	537.50	0.0200
292399	537.50	538.00	0.0280
292400	538.00	539.00	0.0100
292401	539.00	540.00	0.0550
292402	540.00	541.00	0.1620
292403	541.00	541.50	0.0920
292404	541.50	542.30	0.0780
292405	542.30	543.00	0.0370
292406	546.00	546.90	0.2130
292407	546.90	547.50	0.3450
292408	547.50	548.00	0.0430
292409	548.00	548.50	0.1300
292411	548.50	549.00	0.0380
292412	549.00	550.00	0.0240
292413	550.00	551.00	0.0280
292414	551.00	552.00	0.0430
292415	552.00	553.00	0.0150
292416	553.00	554.00	0.0120
292417	554.00	555.00	0.0100
292418	555.00	555.50	0.0870
292419	555.50	556.00	0.0760
292420	556.00	556.50	0.0500

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292421	556.50	557.00	0.0210
292422	557.00	558.00	0.0110
292423	558.00	559.00	0.0090
292424	559.00	560.00	0.0150
292425	560.00	560.50	0.0460
292426	560.50	561.00	0.1070
292427	561.00	561.50	0.0190
292428	561.50	562.00	0.0140
292429	562.00	562.60	0.0190
292431	562.60	563.10	0.0500
292432	563.10	564.00	0.0160
292433	564.00	564.50	0.0170
292434	564.50	565.10	0.0130
292435	565.10	566.00	0.0140
292436	604.00	605.00	0.0025
292437	605.00	605.50	0.0025
292438	605.50	606.00	0.0025
292439	606.00	606.50	0.0060
292440	606.50	607.00	0.0050
292441	607.00	608.00	0.0025
292442	608.00	609.00	0.0025
292443	609.00	610.00	0.0080
292444	610.00	611.00	0.0100
292445	611.00	611.50	0.0060
292446	611.50	612.00	0.0050
292447	615.00	616.00	0.0080
292448	616.00	616.50	0.0025
292449	616.50	617.00	0.0025
292451	617.00	618.00	0.0050
292452	623.00	623.50	0.0140
292453	623.50	624.00	0.0025
292454	624.00	625.00	0.0100
292455	629.00	630.00	0.0050
292456	630.00	630.50	0.0060
292457	630.50	631.00	0.0080
292458	631.00	632.00	0.0060
292459	633.00	634.00	0.0140
292460	634.00	635.00	0.0060
292461	635.00	636.00	0.0070

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292462	636.00	637.00	0.0050
292463	642.00	643.00	0.0060
292464	643.00	644.00	0.0090
292465	644.00	644.50	0.0070
292466	644.50	645.00	0.0080
292467	650.00	650.50	0.0080
292468	650.50	651.00	0.0025
292469	651.00	652.00	0.0025
292471	660.00	661.00	0.0025
292472	661.00	661.50	0.0130
292473	661.50	662.00	0.0025
292474	662.00	662.50	0.0025
292475	662.50	663.00	0.0025
292476	676.50	677.00	0.0070
292477	677.00	677.50	0.0090
292478	677.50	678.00	0.0025
292479	681.00	681.80	0.0050
292480	681.80	682.30	0.0060
292481	682.30	683.00	0.0050
292482	711.00	712.00	0.0025
292483	712.00	713.00	0.0025
292484	713.00	714.00	0.0025
292485	714.00	715.00	0.0025
292486	715.00	716.00	0.0070
292487	716.00	717.00	0.0080
292488	717.00	718.00	0.0025
292489	722.00	723.00	0.0025
292491	723.00	724.00	0.0025
292492	724.00	725.00	0.0770
292493	725.00	726.00	0.0070
292494	726.00	727.00	0.0090
292495	727.00	728.20	0.0130
292496	728.20	729.00	0.0210
292497	729.00	730.00	0.0025
292498	730.00	731.00	0.0390
292499	731.00	731.60	0.0200
292500	731.60	732.20	0.0025
292501	744.00	744.90	0.0025
292502	744.90	745.50	0.0190

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292503	745.50	746.00	0.0050
292504	746.00	747.00	0.0090
292505	747.00	747.50	0.0170
292506	747.50	748.00	0.0810
292507	748.00	749.00	0.0290
292508	749.00	750.00	0.0780
292509	750.00	751.00	0.0025
292511	751.00	752.00	0.0080
292512	752.00	753.00	0.0080
292513	753.00	754.00	0.0025
292514	756.00	757.00	0.0025
292515	757.00	758.00	0.0025
292516	763.50	764.00	0.0120
292517	764.00	765.00	0.0025
292518	765.00	766.00	0.0250
292519	766.00	767.00	0.0025
292520	767.00	768.00	0.0130
292521	768.00	769.00	0.0025
292522	769.00	769.50	0.0025
292523	769.50	770.30	0.0025
292524	770.30	771.00	0.0970
292525	771.00	771.50	0.1060
292526	771.50	772.00	0.0740
292527	772.00	772.50	0.0480
292528	772.50	773.00	0.1060
292529	773.00	773.50	0.0400
292531	773.50	774.00	0.0230
292532	774.00	774.50	0.0270
292533	774.50	775.00	0.0250
292534	775.00	775.50	0.0410
292535	775.50	776.20	0.0230
292536	776.20	776.90	0.0120
292537	776.90	777.50	0.0210
292538	777.50	778.00	0.0070
292539	778.00	778.50	0.0060
292540	778.50	779.00	0.0130
292541	779.00	780.00	0.0060
292542	780.00	781.00	0.0070
292543	781.00	782.00	0.0100

Hole Number: **CAR-21-13**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292544	782.00	783.00	0.0050
292545	783.00	783.50	0.0060
292546	783.50	784.00	0.0080
292547	784.00	785.00	0.0050
292548	785.00	785.50	0.0050
292549	785.50	786.00	0.0080
292551	786.00	786.50	0.0430
292552	786.50	787.00	0.0220
292553	787.00	787.50	0.0410
292554	787.50	788.00	0.0060
292555	788.00	788.50	0.0210
292556	788.50	789.00	0.0025
292557	789.00	790.00	0.0080
292558	790.00	791.00	0.0310
292559	791.00	792.00	0.0025
292560	792.00	793.00	0.0025
292561	793.00	794.00	0.0025
292562	794.00	795.00	0.0025
292563	795.00	795.50	0.0025
292564	795.50	796.30	0.0025
292565	796.30	796.80	0.0025
292566	796.80	797.30	0.0025
292567	797.30	798.30	0.0025
292568	798.30	799.00	0.0025
292569	799.00	800.00	0.0025
292571	800.00	801.00	0.0025
292572	801.00	802.00	0.0025
292573	802.00	802.60	0.0025
292574	806.00	807.00	0.0025
292575	807.00	808.00	0.0025
292576	811.00	812.00	0.0025
292577	812.00	813.00	0.0025
292578	813.00	814.00	0.0025
292579	814.00	815.00	0.0025
292580	815.00	816.00	0.0025
292581	816.00	817.00	0.0025
292582	817.00	818.00	0.0025
292583	823.00	824.00	0.0025
292584	824.00	825.00	0.0025

Hole Number: **CAR-21-13**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292585	825.00	826.00	0.0025
Sample Type ICP			
KL015019	121.00	121.50	
KL015021	243.60	244.10	
KL015022	253.50	254.00	

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -70.00
Project Number: MELKIOR	North: 5358019.98	North: 34992.50	Collar Az: 278.00
Location: Carscallen Township	East: 451979.08	East: -129533.95	Length: 669.00
	Elev: 328.97	Elev: 5028.97	Start Depth: 0.00
Date Started: Feb 02, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Feb 09, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	278.00	-70.00	EZ Sho	OK		33.00	278.00	-70.00	EZ Sho	OK	
84.00	277.20	-70.00	EZ Sho	OK		135.00	279.40	-69.50	EZ Sho	OK	
186.00	278.80	-69.60	EZ Sho	OK		237.00	280.10	-69.70	EZ Sho	OK	
288.00	280.80	-69.30	EZ Sho	OK		339.00	279.80	-69.20	EZ Sho	OK	
390.00	280.40	-69.20	EZ Sho	OK		441.00	281.10	-68.90	EZ Sho	OK	
492.00	283.30	-69.20	EZ Sho	OK		543.00	282.50	-68.70	EZ Sho	OK	
594.00	284.60	-68.80	EZ Sho	OK		645.00	284.80	-68.20	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	19.00	OVB, MELKIOR - Overburden					
19.00	28.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, fractured section from 24.6 to 25.5 meters with fractures @ 30 DTCA, scattered grey carbonatized sections no wider than 20 cm, tr sul					
28.10	29.60	GRD_CB, Granodiorite - Carbonatized (Melkior) light grey, predominantly carbonatized, weakly epidotized and potassic, scattered qtz-carb vnt' @ 50 DTCA, tr sul	292586	28.10	28.60	0.50	0.01
			292587	28.60	29.10	0.50	0.01
			292588	29.10	29.60	0.50	0.00
29.60	39.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, intercalated grey carbonatized sections no wider than 10 cm, tr sul, gradational Fw contact perp to CA					
39.80	42.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish hue, predominantly potassic, slightly carbonatized, locally fractured and blocky core with fractures @ 50 to perp to CA, tr sul, gradational FW ct perp to CA	292589	39.80	40.30	0.50	0.00
			292591	40.30	41.00	0.70	0.00
			292592	41.00	41.80	0.80	0.00
			292593	41.80	42.30	0.50	0.00
42.30	46.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul					

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
46.50	56.00	FZ, Fault Zone extremely blocky, fractured core with localized fault gouge and rubble sections, fractures vary from 50 to 80 DTCA, host rock potassic granodiorite, tr sul					
56.00	62.90	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly carbonatized, interstitial blue qtz eyes, scattered microfractures infilled with carb varying in orientation from 30 to 50 DTCA, tr sul	292594	58.00	59.00	1.00	0.00
			292595	59.00	60.00	1.00	0.00
			292596	60.00	61.00	1.00	0.00
			292597	61.00	62.00	1.00	0.00
			292598	62.00	62.90	0.90	0.00
62.90	66.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul					
66.40	69.40	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly carbonatized, interstitial blue qtz eyes, 2 2 cm qtz-calcite-chlorite vnt' @ 50 DTCA between 66 and 67 meters with tr sul, fractured FW ct @ 40 DTCA					
69.40	91.55	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul, scattered dark green chloritic xenoliths with epidotized plag phens up to 20 cm in width and @ 50 DTCA, localized pinkish potassic and slightly carbonatized sections throughout no wider than 20 cm and oriented @ 50 to 60 DTCA, scattered 1 cm carb vnt' @ 50 to 60 DTCA, tr sul	292599	72.00	73.00	1.00	0.01
			292600	73.00	74.00	1.00	0.00
			292601	74.00	75.00	1.00	0.00
			292602	91.00	91.55	0.55	0.00
91.55	92.33	GRD_CB, Granodiorite - Carbonatized (Melkior) light pinkish grey, predominantly carbonatized, and potassic, locd 1 cm carb stringer @ 50 DTCA with approx 1 to 2% diss py	292603	91.55	92.33	0.78	0.00
92.33	99.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul, slightly fractured with fractures @ 40 to 50 DTCA	292604	92.33	93.00	0.67	0.00
			292605	93.00	94.00	1.00	0.00
99.90	104.20	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly carbonatized, interstitial blue qtz eyes, intermittent epidotized sections, scattered 2 cm qtz-carb vnt' @ 40 to 50 DTCA, approx 1 to 2% diss py	292606	99.90	101.00	1.10	0.00
			292607	101.00	102.00	1.00	0.00
			292608	102.00	103.00	1.00	0.00
			292609	103.00	104.20	1.20	0.00
104.20	115.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul, localized pinkish potassic and slightly carbonatized sections throughout no wider than 20 cm and oriented @ 50 to 60 DTCA	292611	109.00	110.00	1.00	0.00
			292612	110.00	111.00	1.00	0.00
			292613	114.00	115.00	1.00	0.00
			292614	115.00	115.80	0.80	0.00
115.80	117.10	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly carbonatized, interstitial blue qtz eyes, scattered 2 cm carb sts @ 40 to 60 DTCA, approx 1 to 2% diss py	292615	115.80	116.50	0.70	0.00
			292616	116.50	117.00	0.50	0.01
117.10	126.60	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul, scattered dark green chloritic xenoliths with epidotized plag phens up to 20 cm in width and @ 50 DTCA, localized pinkish potassic and slightly carbonatized sections throughout no wider than 5 cm and oriented @ 30 to 40 DTCA, tr sul	292617	126.00	126.60	0.60	0.00

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
126.60	152.60	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly carbonatized, scattered 2 cm carb sts @ 40 DTCA, approx 1 to 2% diss py, from 142.0 to 143.2 slightly epidotitic and fractured section with fractures subparallel to CA, tr sul, from 143.2 to 152.6 more orange colouration and stronger potassic alteration, gradational FW ct @ 45 DTCA	292618	126.60	127.10	0.50	0.01
			292619	127.10	128.00	0.90	0.00
			292620	128.00	129.00	1.00	0.00
			292621	129.00	130.00	1.00	0.00
152.60	167.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic texture, tr sul, localized pinkish potassic and slightly carbonatized sections notably from 159.0 to 161.5 where section displays pinkish greenish colouration with equivalent epidotitic and potassic alteration, @ 162.65 45 cm orange aphanitic felsite dyke @ 40 DTCA, tr sul					
167.50	191.90	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic with strong chloritic and silicification from 172.0 to 176.7 with approx 1 to 2% diss py, somewhat pitted and locally vuggy core	292622	172.00	173.00	1.00	0.00
			292623	173.00	174.00	1.00	0.00
			292624	174.00	175.00	1.00	0.00
			292625	175.00	175.50	0.50	0.00
191.90	196.10	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, predominantly silicified and chloritic, unit speckled with leucoxene and sausserite, fractured blocky core from 194.0 to 195.1 local fault gouge from 195 to 195.1, approx 1 to 2% diss py	292626	191.90	193.00	1.10	0.00
			292627	193.00	194.00	1.00	0.00
			292628	194.00	195.00	1.00	0.00
			292629	195.00	196.10	1.10	0.00
196.10	218.90	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, strongly potassic, interstitial hornblende, dark chloritic patches throughout speckled with leucoxene, sausseritization throughout unit, slightly pitted, tr sul					
218.90	222.80	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, predominantly silicified and chloritic, unit speckled with leucoxene and sausserite,	292631	218.90	220.00	1.10	0.03
			292632	220.00	221.00	1.00	0.00
			292633	221.00	222.00	1.00	0.00
			292634	222.00	222.80	0.80	0.00
222.80	232.56	GRD_POT, Granodiorite - Potassic (Melkior) dark orange hue, strongly potassic, chloritic, variably silicified, interstitial hornblende, dark chloritic patches throughout speckled with leucoxene, sausseritization throughout unit, slightly pitted, tr sul					
232.56	246.00	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, predominantly silicified and chloritic, slightly hematitic locally, dark grey to black chlorite throughout unit, speckled with leucoxene and sausserite, approx 1 to 2% diss py	292635	234.00	235.00	1.00	0.01
			292636	235.00	236.00	1.00	0.00
			292637	236.00	237.00	1.00	0.01
			292638	237.00	238.00	1.00	0.00
			292639	243.00	244.00	1.00	0.00
			292640	244.00	245.00	1.00	0.00
			292641	245.00	246.00	1.00	0.00
246.00	260.10	GRD_POT, Granodiorite - Potassic (Melkior) dark orange hue, strongly potassic, chloritic, variably silicified, interstitial hornblende, dark chloritic patches throughout speckled with leucoxene, sausseritization throughout unit, slightly pitted, tr sul	292642	246.00	247.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
260.10	262.50	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, predominantly silicified and chloritic, dark grey to black chlorite throughout unit, speckled with leucoxene and sausserite, approx 1 to 2% diss py	292643	260.10	261.00	0.90	0.00
			292644	261.00	262.00	1.00	0.01
			292645	262.00	262.50	0.50	0.01
262.50	266.30	GRD_POT, Granodiorite - Potassic (Melkior) dark orange hue, strongly potassic, chloritic, variably silicified, interstitial hornblende, dark chloritic patches throughout speckled with leucoxene, sausseritization throughout unit, mottled with white calcite, tr sul					
266.30	284.20	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, weakly potassic, dark grey chloritic sections, mottled with white calcite, pitted core, speckled with sausserite, tr sul					
284.20	286.30	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, predominantly silicified and chloritic, dark grey to black chlorite throughout unit, speckled with leucoxene and sausserite, tr sul	292646	284.20	285.00	0.80	0.00
			292647	285.00	285.50	0.50	0.00
			292648	285.50	286.30	0.80	0.00
286.30	312.50	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, weakly potassic, dark grey chloritic sections, mottled with white calcite, pitted core, speckled with sausserite, tr sul, shp fractured FW ct @ 50 DTCA					
312.50	317.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to slightly reddish, carbonatized, slightly hematitic, chloritic, mottled with white calcite, slightly sheared with foln @ 50 DTCA, tr sul	292649	312.50	313.00	0.50	0.00
			292651	313.00	314.00	1.00	0.00
			292652	314.00	315.00	1.00	0.00
			292653	315.00	316.00	1.00	0.01
			292654	316.00	317.00	1.00	0.00
317.00	326.36	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, variably silicified in sections, dark grey chloritic sections, mottled with white calcite, pitted core, speckled with sausserite, tr sul, shp fractured FW ct @ 50 DTCA marked by 1 cm qtz vnt					
326.36	327.40	GRD_POT, Granodiorite - Potassic (Melkior) dark orange hue, strongly potassic, chloritic, variably silicified, interstitial hornblende, mottled with white calcite, tr sul, gradational FW ct @ 70 DTCA					
327.40	332.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, variably potassic in sections, dark grey chloritic clasts, mottled with white interstitial calcite, speckled with sausserite, tr sul, gradational FW ct @ 60 DTCA					
332.80	336.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to slightly reddish, carbonatized, slightly hematitic, chloritic, mottled with white calcite, slightly sheared with foln @ 60 DTCA, tr sul	292655	332.80	333.50	0.70	0.03
			292656	333.50	334.00	0.50	0.01
			292657	334.00	335.00	1.00	0.02
			292658	335.00	336.00	1.00	0.07
			292659	336.00	336.60	0.60	0.07
336.60	345.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, slightly potassic, dark grey chloritic clasts, mottled with white interstitial calcite, speckled with sausserite, tr sul, gradational FW ct @ 70 DTCA					

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
345.80	352.36	GRD_POT, Granodiorite - Potassic (Melkior) dark orange hue, strongly potassic, chloritic, interstitial hornblende, glomeroporphyritic texture mottled with white calcite, tr sul, shp fractured FW ct @ 50 DTCA					
352.36	359.94	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, homogeneous, abundant calcite sts and vnt' @ 50 to 70 DTCA, scattered hematitic granodioritic xenoliths, tr sul, shp FW ct @ 40 DTCA	292660	352.36	353.00	0.64	0.61
			292661	353.00	354.00	1.00	0.08
			292662	354.00	355.00	1.00	0.02
			292663	355.00	356.00	1.00	0.00
			292664	356.00	357.00	1.00	0.02
			292665	357.00	358.00	1.00	0.01
			292666	358.00	359.00	1.00	0.00
			292667	359.00	359.94	0.94	0.00
359.94	362.30	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish colouration, predominantly hematitic, slightly potassic, dark grey chloritic clasts, mottled with white interstitial calcite, speckled with sausserite, tr sul, shp FW ct @ parallel to CA					

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
362.30	500.30	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally carbonaceous, from 362.3 to 372.0 hematitic and jasperoidal subrounded clasts, from 372 to 379 carbonaceous and hematitic granodioritic xenoliths, locally sericitic alteration, moderately foliated to locally sheared and fractured with fractures @ 40 to 50 DTCA, from 389.8 to 390.5 series of orange to buff felsite dykes up to 6 cm in width, aphanitic, oriented @ 40 to 50 DTCA, tr sul, from 390.5 to 395.0 pervasive sericitic alteration, abundant microfractures infilled with chlorite, tr sul, from 403 to 405.5 section designated as "Upper Zone" comprised of two pyritic veinlets notably @ 403.3 2 cm pyrite vnt within qtz gange and localized along fracture @ 30 DTCA, approx 25 to 30% py, @ 405.1 5 cm pyrite vnt comprised of 60 to 65% py with fractured FW ct, vnt @ 50 DTCA, @ 408.6 approx 3 to 4% cluster of subhedral py within carb patches possessing epidotitic and hematitic alteration, @ 409.45 patch of carbonate with 2 to 3% patchy cpy, upper zone somewhat fractured with calcite infilled tension gashes throughout @ 60 to 70 DTCA, approx 2 to 3% diss py throughout, from 409.5 to 414 unit displays more textures with relic pillow selvages, localized hyaloclastite, pervasive sericitic alteration, from to 423.0 abundant calcite infilled tension gashes varying in orientation from 50 to 80 DTCA, tr sul, from 419.6 to 419.3 30 cm orange fine grained felsic dyke @ 60 DTCA, from 429.22 to 429.33 11 cm calcite-qtz-chl vn @ 35 DTCA and rimmed with 3 to 4% diss py smeared along vn ct', from 432.3 to 432.6 mineralized zone within slightly sheared chloritic volcanics with approx 6 to 7% clusters of subhedral py, possible cpy, sph within hematitic alteration localized @ 432.6 meters, from 433.6 to 453 light green, chloritic, sericitic, locally epidotitic, localized brecciated hyaloclastite and relic pillow selvages, from 440.8 to 441.1 5 cm white qtz vn parallel to CA with specular hematite, from 453 to 466.0 unit becomes more massive and homogeneous with occasional qtz-calcite infilled tension gashes fro 50 to 70 DTCA and slightly more fractured notably from 455 to 456 meters, tr sul, @ 474.6 2 cm semi-massive pyritic vnt @ 60 DTCA, from 478.5 to 480 fractured core with fractures from 50 to 80 DTCA, from 480 to 480.35 potassic and epidotized granodioritic dyke @ 50 DTCA, from 480.35 to 481 brecciated epidotized hyaloclastite, from 486.0 to 491.0 series of orange potassic granodioritic dyklets no wider than 20 cm, may be apophyses off of granodioritic lopolith, from 483 to 499 dark green, chloritic, massive, abundant fractures @ 50 to 80 DTCA, tr sul	292668	365.00	366.00	1.00	0.29
			292669	366.00	367.00	1.00	0.11
			292671	374.00	375.00	1.00	0.03
			292672	375.00	376.00	1.00	0.09
			292673	376.00	377.00	1.00	9.79
			292674	377.00	378.00	1.00	3.25
			292675	389.50	390.00	0.50	0.04
			292676	390.00	391.00	1.00	0.15
			292677	391.00	392.00	1.00	0.00
			292678	392.00	393.00	1.00	0.00
			292679	401.00	402.00	1.00	0.00
			292680	402.00	403.00	1.00	0.00
			292681	403.00	403.50	0.50	0.41
			292682	403.50	404.00	0.50	0.00
			292683	404.00	404.50	0.50	0.00
			292684	404.50	405.00	0.50	0.09
			292685	405.00	405.50	0.50	31.00
			292686	405.50	406.00	0.50	0.15
			292687	406.00	407.00	1.00	0.01
			292688	407.00	408.00	1.00	0.12
			292689	408.00	408.50	0.50	0.01
			292691	408.50	409.00	0.50	0.07
			292692	409.00	409.50	0.50	0.08
			292693	409.50	410.00	0.50	0.00
			292694	410.00	411.00	1.00	0.00
			292695	411.00	412.00	1.00	0.01
			292696	420.00	421.00	1.00	0.01
			292697	421.00	422.00	1.00	0.00
			292698	422.00	423.00	1.00	0.00
			292699	428.00	429.00	1.00	0.00
			292700	429.00	429.50	0.50	0.72
			292701	429.50	430.00	0.50	0.00
			292702	430.00	431.00	1.00	0.00
			292703	431.00	432.00	1.00	0.00
			292704	432.00	432.50	0.50	0.41
			292705	432.50	433.00	0.50	0.03
			292706	433.00	434.00	1.00	0.02
			292707	440.00	440.50	0.50	0.00
			292708	440.50	441.00	0.50	0.00
			292709	441.00	441.50	0.50	0.01
			292711	441.50	442.00	0.50	0.00
			292712	473.00	474.00	1.00	0.19
			292713	474.00	474.50	0.50	0.17

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			292714	474.50	475.00	0.50	0.11
			292715	475.00	476.00	1.00	0.00
			292716	476.00	477.00	1.00	0.00
			292717	477.00	478.00	1.00	0.00
			292718	478.00	479.00	1.00	0.00
			292719	479.00	480.00	1.00	0.01
			292720	480.00	481.00	1.00	0.06
			292721	481.00	482.00	1.00	0.00
500.30	529.30	QFP, QUARTZ FELDSPAR PORPHYRY light grey to variably orange, fine grained to medium grained, siliceous, potassic, approx 1 to 2% diss py, from 501 to 502 potassic, silicified, aphanitic, tr sul, from 502.0 to 507.7 light grey, medium grained, mottled with plagioclase phenocrysts, from 507 to 511.4 orange, silicified, potassic, aphanitic but speckled with chlorite phenocrysts and leucoxene, from 511.4 to 525.6 light grey, silicified, mottled with white plag phens, tr sul, from 525.6 to 529.3 reddish orange, potassic and slightly hematitic, microfractures infilled with calcite, sporadically mottled with plagioclase, shp FW ct @ 50 DTCA	292722	502.00	503.00	1.00	0.00
			292723	503.00	504.00	1.00	0.00
			292724	504.00	505.00	1.00	0.00
			292725	505.00	506.00	1.00	0.00
			292726	506.00	507.00	1.00	0.00
			292727	507.00	507.70	0.70	0.09
			292728	528.00	528.50	0.50	0.01
			292729	528.50	529.30	0.80	0.01
529.30	554.55	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, massive, homogeneous, from 537 to 540 ptgmatitically contorted qtz-calcite vnt' parallel to CA with 2 to 3% diss and subhedral py throughout wallrock, @ 540.3 3 2 cm white qtz-calcite vnt' @ 50 DTCA with 5 to 6% clusters of subhedral py, shp sheared FW ct @ 30 DTCA	292731	529.30	529.80	0.50	0.00
			292732	529.80	531.00	1.20	0.00
			292733	537.00	538.00	1.00	0.02
			292734	538.00	539.00	1.00	0.02
			292735	539.00	539.50	0.50	0.00
			292736	539.50	540.00	0.50	0.00
			292737	540.00	540.50	0.50	0.60
			292738	540.50	541.00	0.50	0.02
			292739	541.00	542.00	1.00	0.00
554.55	556.00	QFP, QUARTZ FELDSPAR PORPHYRY buff to slightly orange hue, silicified, slightly potassic, mottled with plag phenocrysts, darker slightly chloritic sections, tr sul, shp FW ct @ 30 DTCA					
556.00	560.30	MV, Melkior - Mafic Volcanic Rock dark grey-green, fg, chloritic, carbonaceous, massive moderately foliated with foliation @ 40 DTCA, abundant qtz-calcite sts and vnt' @ 50 to 70 DTCA, tr sul, shp fractured FW ct @ 45 DTCA					
560.30	562.80	GRD_POT, Granodiorite - Potassic (Melkior) orange, pinkish hue, potassic, carbonatized, glomeroporphyritic texture, interstitial plagioclase and blue qtz eyes, tr sul, shp FW ct @ 40 DTCA					

DETAILED LOG

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
562.80	627.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally slightly sericitic and siliceous, locally brecciated with hyaloclastite, scattered epidotized clasts throughout, from 562.8 to 569.5 mineralized zone comprised of approx 3 to 4% scattered clusters of subhedral to euhedral py designated as "Lower Zone 1", @ 566.2 2 cm qtz vnt @ 50 DTCA with approx 12 to 15% cluster of subhedral py locd along vn and 1 to 2% patchy cpy, @ 567 approx 8 to 10% cluster of subhedral py locd along microfracture 2 40 DTCA, from 576 to 576.35 buff QFP @ 30 DTCA with tr sul, from 582.7 to 591 second mineralized zone designated as "Lower Zone 2" with approx 4 to 5% scattered clusters of subhedral py, zone extremely brecciated with flowy subaqueous quench textures and relic pillow selvages, @ 583.4 2 cm carb vnt @ 60 DTCA within black selvage with approx 12 to 15% diss, patchy and subhedral py, from 586.7 to 587.4 3 cm white qtz-calcite vnt parallel to CA and locd along fracture, approx 12 to 15% subhedral py locs along fractute and vnt ct', from 588.7 to 589.2 5 cm banded carb subparallel to CA with approx 10 to 12% diss and subhedral py, third mineralized zone from 600 to 606 designated as "Lower Zone 3", comprised of approx 3 to 4% locd clusters of subhedral py, from 604.9 to 605.1 strongest concentration of py with approx 25 to 30% patchy sem-massive py occurring proximal to pink dolomitic clasts, section possesses abundant patchy epidote throughout, from 616.7 to 617.4 buff to orange QFP, strongly fractured, mg, interstitial feldspar and chlorite, shp ct' @ 40 DTCA, 618.0 to 618.4 QFP SAA, shp ct' @ 50 DTCA, tr sul, @ 621.6 4 cm white qtz-chl vn, tr sul, @ 622.4 3 cm white qtz-chl vn parallel to CA, from 620 to 624 approx 2 to 3% scattered subhedral py,	292740	562.80	563.50	0.70	0.08
			292741	563.50	564.00	0.50	0.01
			292742	564.00	565.00	1.00	0.00
			292743	565.00	565.50	0.50	0.00
			292744	565.50	566.00	0.50	0.01
			292745	566.00	566.50	0.50	0.02
			292746	566.50	567.00	0.50	0.02
			292747	567.00	567.50	0.50	0.01
			292748	567.50	568.00	0.50	0.01
			292749	568.00	568.50	0.50	0.01
			292751	568.50	569.00	0.50	0.00
			292752	569.00	569.50	0.50	0.05
			292753	569.50	570.00	0.50	0.00
			292754	570.00	571.00	1.00	0.00
			292755	582.00	582.70	0.70	0.00
			292756	582.70	583.50	0.80	0.01
			292757	583.50	584.00	0.50	0.00
			292758	584.00	584.50	0.50	0.02
			292759	584.50	585.00	0.50	0.00
			292760	585.00	586.00	1.00	0.02
			292761	586.00	586.50	0.50	0.00
			292762	586.50	587.00	0.50	0.01
			292763	587.00	587.50	0.50	0.08
			292764	587.50	588.00	0.50	0.01
			292765	588.00	588.50	0.50	0.00
			292766	588.50	589.00	0.50	0.01
			292767	589.00	589.50	0.50	0.04
			292768	589.50	590.00	0.50	0.01
			292769	590.00	590.50	0.50	0.00
			292771	590.50	591.00	0.50	0.00
			292772	591.00	592.00	1.00	0.01
			292773	592.00	593.00	1.00	0.00
		292774	599.00	600.00	1.00	0.06	
		292775	600.00	601.00	1.00	0.02	
		292776	601.00	602.00	1.00	0.03	
		292777	602.00	603.00	1.00	0.01	
		292778	603.00	603.50	0.50	0.01	
		292779	603.50	604.00	0.50	0.01	
		292780	604.00	604.50	0.50	0.01	
		292781	604.50	605.00	0.50	0.87	
		292782	605.00	605.50	0.50	0.01	
		292783	605.50	606.00	0.50	0.08	
		292784	606.00	607.00	1.00	0.01	

Hole Number: **CAR-21-14**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			292785	621.00	622.00	1.00	0.00
			292786	622.00	623.00	1.00	0.01
			292787	623.00	624.00	1.00	0.00
627.90	635.10	DAC, Melkior - Dacite buff to light brown, siliceous, chloritic, massive with silicified and chloritic fragments and clasts, appears to a possible ash tuff indicative of subaerial deposition, clasts and fragments possess 1 to 2% diss py, shp HW ct @ 60 DTCA and lower ct @ 70 DTCA	292788	630.00	631.00	1.00	0.00
			292789	631.00	632.00	1.00	0.00
			292791	632.00	633.00	1.00	0.00
			292792	633.00	634.00	1.00	0.00
			292793	634.00	635.10	1.10	0.00
635.10	642.50	BaFBx, Melkior - Basalt Flow Breccia dark grey-green, fg, chloritic, carbonaceous, massive, mottled with epidotized clasts from 635.1 to 638 moderately foliated with foliation @ 60 DTCA, abundant qtz-calcite sts and vnt' @ 50 to 70 DTCA, tr sul, shp sheared FW ct @ 60 dtca					
642.50	647.10	QFP, QUARTZ FELDSPAR PORPHYRY light grey, massive, siliceous, sericitic, speckled with chloritic phenocrysts, chloritic infilled microfractures with 1 to 2% diss py, unit speckled with leucoxene, shp FW ct @ 40 DTCA	292794	642.50	643.00	0.50	0.00
			292795	643.00	644.00	1.00	0.00
			292796	644.00	645.00	1.00	0.00
647.10	653.30	DAC, Melkior - Dacite buff to light brown, siliceous, chloritic, massive with silicified and chloritic fragments and clasts, appears to a possible ash tuff as in previous unit, clasts and fragments possess tr sul					
653.30	669.00	BaFBx, Melkior - Basalt Flow Breccia dark grey-green, fg, chloritic, carbonaceous, massive, mottled with epidotized clasts, slightly siliceous and sericitic in sections, EOH @ 669.0 meters	292797	659.50	660.00	0.50	0.00
			292798	660.00	660.50	0.50	0.00
			292799	660.50	661.00	0.50	0.00

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292586	28.10	28.60	0.0050
292587	28.60	29.10	0.0080
292588	29.10	29.60	0.0025
292589	39.80	40.30	0.0025
292591	40.30	41.00	0.0025
292592	41.00	41.80	0.0025
292593	41.80	42.30	0.0025
292594	58.00	59.00	0.0025
292595	59.00	60.00	0.0025
292596	60.00	61.00	0.0025
292597	61.00	62.00	0.0025
292598	62.00	62.90	0.0025
292599	72.00	73.00	0.0110
292600	73.00	74.00	0.0025
292601	74.00	75.00	0.0025

Hole Number: **CAR-21-14**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292602	91.00	91.55	0.0025
292603	91.55	92.33	0.0025
292604	92.33	93.00	0.0025
292605	93.00	94.00	0.0025
292606	99.90	101.00	0.0025
292607	101.00	102.00	0.0025
292608	102.00	103.00	0.0025
292609	103.00	104.20	0.0025
292611	109.00	110.00	0.0025
292612	110.00	111.00	0.0025
292613	114.00	115.00	0.0025
292614	115.00	115.80	0.0025
292615	115.80	116.50	0.0025
292616	116.50	117.00	0.0070
292617	126.00	126.60	0.0025
292618	126.60	127.10	0.0080
292619	127.10	128.00	0.0025
292620	128.00	129.00	0.0025
292621	129.00	130.00	0.0025
292622	172.00	173.00	0.0025
292623	173.00	174.00	0.0025
292624	174.00	175.00	0.0025
292625	175.00	175.50	0.0025
292626	191.90	193.00	0.0025
292627	193.00	194.00	0.0025
292628	194.00	195.00	0.0025
292629	195.00	196.10	0.0025
292631	218.90	220.00	0.0270
292632	220.00	221.00	0.0025
292633	221.00	222.00	0.0025
292634	222.00	222.80	0.0025
292635	234.00	235.00	0.0050
292636	235.00	236.00	0.0025
292637	236.00	237.00	0.0050
292638	237.00	238.00	0.0025
292639	243.00	244.00	0.0025
292640	244.00	245.00	0.0025
292641	245.00	246.00	0.0025
292642	246.00	247.00	0.0025

Hole Number: **CAR-21-14**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292643	260.10	261.00	0.0025
292644	261.00	262.00	0.0060
292645	262.00	262.50	0.0110
292646	284.20	285.00	0.0025
292647	285.00	285.50	0.0025
292648	285.50	286.30	0.0025
292649	312.50	313.00	0.0025
292651	313.00	314.00	0.0025
292652	314.00	315.00	0.0025
292653	315.00	316.00	0.0060
292654	316.00	317.00	0.0025
292655	332.80	333.50	0.0250
292656	333.50	334.00	0.0140
292657	334.00	335.00	0.0220
292658	335.00	336.00	0.0670
292659	336.00	336.60	0.0690
292660	352.36	353.00	0.6100
292661	353.00	354.00	0.0770
292662	354.00	355.00	0.0240
292663	355.00	356.00	0.0025
292664	356.00	357.00	0.0180
292665	357.00	358.00	0.0090
292666	358.00	359.00	0.0025
292667	359.00	359.94	0.0025
292668	365.00	366.00	0.2880
292669	366.00	367.00	0.1070
292671	374.00	375.00	0.0310
292672	375.00	376.00	0.0910
292673	376.00	377.00	9.7900
292674	377.00	378.00	3.2500
292675	389.50	390.00	0.0430
292676	390.00	391.00	0.1510
292677	391.00	392.00	0.0025
292678	392.00	393.00	0.0025
292679	401.00	402.00	0.0025
292680	402.00	403.00	0.0025
292681	403.00	403.50	0.4120
292682	403.50	404.00	0.0025
292683	404.00	404.50	0.0025

Hole Number: **CAR-21-14**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292684	404.50	405.00	0.0890
292685	405.00	405.50	31.0000
292686	405.50	406.00	0.1470
292687	406.00	407.00	0.0100
292688	407.00	408.00	0.1170
292689	408.00	408.50	0.0110
292691	408.50	409.00	0.0740
292692	409.00	409.50	0.0810
292693	409.50	410.00	0.0025
292694	410.00	411.00	0.0025
292695	411.00	412.00	0.0060
292696	420.00	421.00	0.0070
292697	421.00	422.00	0.0025
292698	422.00	423.00	0.0025
292699	428.00	429.00	0.0025
292700	429.00	429.50	0.7160
292701	429.50	430.00	0.0025
292702	430.00	431.00	0.0025
292703	431.00	432.00	0.0025
292704	432.00	432.50	0.4130
292705	432.50	433.00	0.0280
292706	433.00	434.00	0.0210
292707	440.00	440.50	0.0025
292708	440.50	441.00	0.0025
292709	441.00	441.50	0.0080
292711	441.50	442.00	0.0025
292712	473.00	474.00	0.1910
292713	474.00	474.50	0.1680
292714	474.50	475.00	0.1070
292715	475.00	476.00	0.0025
292716	476.00	477.00	0.0025
292717	477.00	478.00	0.0025
292718	478.00	479.00	0.0025
292719	479.00	480.00	0.0090
292720	480.00	481.00	0.0560
292721	481.00	482.00	0.0025
292722	502.00	503.00	0.0025
292723	503.00	504.00	0.0025
292724	504.00	505.00	0.0025

Hole Number: **CAR-21-14**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292725	505.00	506.00	0.0025
292726	506.00	507.00	0.0025
292727	507.00	507.70	0.0900
292728	528.00	528.50	0.0050
292729	528.50	529.30	0.0130
292731	529.30	529.80	0.0025
292732	529.80	531.00	0.0025
292733	537.00	538.00	0.0200
292734	538.00	539.00	0.0150
292735	539.00	539.50	0.0025
292736	539.50	540.00	0.0025
292737	540.00	540.50	0.5980
292738	540.50	541.00	0.0220
292739	541.00	542.00	0.0025
292740	562.80	563.50	0.0770
292741	563.50	564.00	0.0110
292742	564.00	565.00	0.0025
292743	565.00	565.50	0.0025
292744	565.50	566.00	0.0070
292745	566.00	566.50	0.0220
292746	566.50	567.00	0.0220
292747	567.00	567.50	0.0080
292748	567.50	568.00	0.0050
292749	568.00	568.50	0.0090
292751	568.50	569.00	0.0025
292752	569.00	569.50	0.0460
292753	569.50	570.00	0.0025
292754	570.00	571.00	0.0025
292755	582.00	582.70	0.0025
292756	582.70	583.50	0.0050
292757	583.50	584.00	0.0025
292758	584.00	584.50	0.0180
292759	584.50	585.00	0.0025
292760	585.00	586.00	0.0150
292761	586.00	586.50	0.0025
292762	586.50	587.00	0.0060
292763	587.00	587.50	0.0760
292764	587.50	588.00	0.0140
292765	588.00	588.50	0.0025

Hole Number: **CAR-21-14**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292766	588.50	589.00	0.0070
292767	589.00	589.50	0.0370
292768	589.50	590.00	0.0060
292769	590.00	590.50	0.0025
292771	590.50	591.00	0.0025
292772	591.00	592.00	0.0050
292773	592.00	593.00	0.0025
292774	599.00	600.00	0.0560
292775	600.00	601.00	0.0180
292776	601.00	602.00	0.0260
292777	602.00	603.00	0.0100
292778	603.00	603.50	0.0060
292779	603.50	604.00	0.0050
292780	604.00	604.50	0.0080
292781	604.50	605.00	0.8710
292782	605.00	605.50	0.0140
292783	605.50	606.00	0.0820
292784	606.00	607.00	0.0060
292785	621.00	622.00	0.0025
292786	622.00	623.00	0.0060
292787	623.00	624.00	0.0025
292788	630.00	631.00	0.0025
292789	631.00	632.00	0.0025
292791	632.00	633.00	0.0025
292792	633.00	634.00	0.0025
292793	634.00	635.10	0.0025
292794	642.50	643.00	0.0025
292795	643.00	644.00	0.0025
292796	644.00	645.00	0.0025
292797	659.50	660.00	0.0025
292798	660.00	660.50	0.0025
292799	660.50	661.00	0.0025

DETAILED LOG

Hole Number: **CAR-21-15**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -70.00
Project Number: MELKIOR	North: 5358020.40	North: 34992.93	Collar Az: 248.00
Location: Carscallen Township	East: 451978.97	East: -129533.93	Length: 627.00
	Elev: 329.09	Elev: 5029.09	Start Depth: 0.00
Date Started: Feb 10, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Feb 21, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	248.00	-70.00	EZ Sho	OK		33.00	247.80	-69.70	EZ Sho	OK	
84.00	248.10	-69.50	EZ Sho	OK		132.00	247.10	-69.90	EZ Sho	OK	
183.00	246.90	-69.70	EZ Sho	OK		234.00	247.60	-69.90	EZ Sho	OK	
285.00	249.00	-69.80	EZ Sho	OK		336.00	249.50	-70.20	EZ Sho	OK	
387.00	249.70	-70.10	EZ Sho	OK		438.00	252.80	-70.10	EZ Sho	OK	
489.00	251.80	-70.10	EZ Sho	OK		540.00	254.20	-69.50	EZ Sho	OK	
591.00	253.90	-69.40	EZ Sho	OK		627.00	255.50	-69.70	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	18.60	OVB, MELKIOR - Overburden					
18.60	29.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic, blocky core, localized grey zones notably from 21.0 to 21.4 @ 40 DTCA with ct' locd along fractures, tr sul					
29.70	30.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, secondary epidotitic alteration, cb sts @ 40 DTCA locd @ 29.8, tr sul, blocky fractured core					
30.70	37.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic, tr sul					
37.70	40.90	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, predominantly potassic secondarily carbonatized, scattered carb sts and vnt' @ 40 to 70 DTCA, tr sul					
40.90	43.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, glomeroporphyritic, tr sul					
43.70	46.50	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, predominantly potassic secondarily carbonatized, scattered carb sts and vnt' @ 40 to 70 DTCA, tr sul extremely blocky, vuggy and pitted core					

DETAILED LOG

Hole Number: **CAR-21-15**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
46.50	49.10	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, blocky and crumbled sections throughout, tr sul					
49.10	51.20	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, predominantly potassic secondarily carbonatized, scattered carb sts and vnt' @ 40 to 70 DTCA, tr sul extremely blocky, vuggy and pitted core					
51.20	64.40	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, tr sul, from 54 to 57.3 slightly more potassic, vuggy, pitted and blocky core	292800	54.00	55.00	1.00	0.00
			292801	55.00	56.00	1.00	0.00
			292802	56.00	57.20	1.20	0.00
			292803	63.00	63.50	0.50	0.00
			292804	63.50	64.40	0.90	0.00
64.40	72.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, predominantly potassic secondarily carbonatized, blocky fractured core with fractures @ 30 to 40 DTCA, occasional carb sts and vnt' @ 40 to 70 DTCA, tr sul	292805	64.40	65.00	0.60	0.00
			292806	65.00	66.00	1.00	0.00
			292807	66.00	67.00	1.00	0.00
			292808	67.00	68.00	1.00	0.00
			292809	68.00	69.00	1.00	0.00
			292811	69.00	70.00	1.00	0.00
			292812	70.00	71.00	1.00	0.00
72.40	75.50	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, tr sul, scattered carb sts @ 20 to 30 DTCA,	292813	71.00	72.00	1.00	0.00
			292814	75.50	76.00	0.50	0.01
			292815	76.00	77.00	1.00	0.00
			292816	77.00	78.20	1.20	0.00
			292817	78.20	79.00	0.80	0.01
78.20	93.10	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, intercalated pinkish grey potassic sections notably from 83.4 to 84.5 meters, @ 91.0 5 cm pinkish qtz-calcite vnt' @ 70 DTCA with 1 to 2% blebby py	292818	79.00	80.00	1.00	0.00
			292819	80.00	81.00	1.00	0.00
			292820	81.00	82.00	1.00	0.00
			292821	82.00	82.50	0.50	0.00
			292822	82.50	83.40	0.90	0.00
			292823	83.40	84.50	1.10	0.00
			292824	90.50	91.00	0.50	0.01
			292825	91.00	91.50	0.50	0.00
			292826	91.50	92.00	0.50	0.00
			292827	92.00	93.10	1.10	0.00
			93.10	96.70	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic secondarily carbonatized, interstitial blue qtz eyes, @ 96.6 2 cm carb vnt' @ 70 DTCA with tr sul	292828	93.10
292829	94.00	95.00				1.00	0.00
292831	95.00	96.00				1.00	0.00
292832	96.00	96.70				0.70	0.00

DETAILED LOG

Hole Number: **CAR-21-15**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
96.70	114.10	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, intercalated pinkish grey potassic sections no wider than 10 cm, tr sul					
114.10	119.80	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic secondarily carbonatized, interstitial blue qtz eyes, from 118 to 119.8 increasingly orange potassic intensity with bleached silicified sections, shp FW ct perp to CA, @ 115.34 5 cm white qtz vn perp to CA with black chlorite xenoliths, tr sul, from 115.7 to 116.1 patchy qtz-calcite vnt', tr sul	292833	114.10	115.00	0.90	0.00
			292834	115.00	115.50	0.50	0.00
			292835	115.50	116.00	0.50	0.02
			292836	116.00	116.50	0.50	0.10
			292837	116.50	117.00	0.50	0.00
			292838	117.00	118.00	1.00	0.00
119.80	120.50	FZ, Fault Zone dark grey, chloritic, silicified, crumbled fault gouge and abundant fractures subparallel to CA					
120.50	124.80	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, gradational FW ct @ 70 DTCA					
124.80	126.80	GRD_HEM, Granodiorite - Hematized (Melkior) reddish orange colouration, predominantly hematitic, potassic, scattered carb sts and vnt' varying in orientation from 30 to 70 DTCA, tr sul					
126.80	133.30	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, fractured FW ct @ 30 DTCA					
133.30	150.80	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic secondarily carbonatized, intercalated epidotitic sections, interstitial blue qtz eyes, from 133.3 to 140.6 strongly fractured section with localized crumbled core, probable fault zone, fractures subparallel to CA, tr py, gradational FW ct @ 70 DTCA	292839	133.30	134.00	0.70	0.00
			292840	134.00	135.00	1.00	0.01
			292841	135.00	136.00	1.00	0.01
			292842	136.00	137.00	1.00	0.00
			292843	137.00	138.00	1.00	0.00
			292844	138.00	139.00	1.00	0.00
			292845	139.00	140.00	1.00	0.00
			292846	140.00	141.00	1.00	0.00
			292847	141.00	142.00	1.00	0.00
150.80	165.20	GRD_EP, Granodiorite - Epidotized (Melkior) light greenish hue, epidotitic, glomeroporphyritic texture, interstitial plag, hornblende, intercalated hematitic sections, from 160.8 to 161.1 strongly fractured localized fault zone with fractures @ 40 DTCA, tr sul					
165.20	173.30	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, weakly hematitic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial hornblende, pitted vuggy core, tr sul					
173.30	178.00	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish hue, strongly hematitic, secondarily potassic, glomeroporphyritic texture, mottled with white calcite flakes, tr sul					

DETAILED LOG

Hole Number: **CAR-21-15**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
178.00	194.60	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, weakly hematitic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial hornblende, dark grey mafic dykes perpendicular to CA notably from 188.75 to 189.2 meters, slightly sausseritized, tr sul, gradational FW ct perpendicular to CA	292848	193.00	194.00	1.00	0.00
			292849	194.00	194.60	0.60	0.00
194.60	196.50	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish white, silicified, chloritic, potassic, sausseritized, fractured core with fractures @ 40 to 50 DTCA, tr sul, fractured FW ct @ 50 DTCA	292851	194.60	195.10	0.50	0.00
			292852	195.10	196.00	0.90	0.00
			292853	196.00	196.50	0.50	0.00
196.50	197.40	FZ, Fault Zone crumbled fractured core, localized fault gouge, protolith potassic granodiorite, fractures @ 60 to 70 DTCA, tr sul					
197.40	199.00	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, weakly hematitic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial hornblende, tr sul	292854	197.40	198.00	0.60	0.00
			292855	198.00	199.00	1.00	0.00
199.00	200.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonatized, potassic, HW and FW ct' @ 90 and 70 DTCA, sausseritized, tr sul	292856	199.00	199.50	0.50	0.00
			292857	199.50	200.40	0.90	0.00
200.40	226.70	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, weakly hematitic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial hornblende, tr sul					
226.70	229.10	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish white, silicified, chloritic, potassic, sausseritized, scattered flakes of hematite, slightly fractured core with fractures @ 30 to 40 DTCA, tr sul, gradational ct' perpendicular to CA	292858	226.70	227.50	0.80	0.10
			292859	227.50	228.00	0.50	0.00
			292860	228.00	229.10	1.10	0.00
229.10	249.20	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, weakly hematitic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial hornblende, tr sul, from 242 to 249.1 unit becomes darker grey, more chloritic and stronger hornblende content, sausseritized and mottled with calcite, tr sul	292861	248.00	249.20	1.20	0.00
249.20	251.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonatized, slightly potassic, sausseritized, increased hornblende content, tr sul	292862	249.20	250.00	0.80	0.00
			292863	250.00	251.00	1.00	0.00
			292864	251.00	251.80	0.80	0.01
251.80	283.00	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul,	292865	282.00	283.00	1.00	0.00
283.00	284.50	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish white, silicified, chloritic, slightly potassic, sausseritized, increased hornblende content, gradational ct' perp to CA, tr sul	292866	283.00	284.00	1.00	0.00
			292867	284.00	284.50	0.50	0.04
284.50	294.60	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul,	292868	284.50	285.00	0.50	0.00

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
294.60	300.70	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish white, silicified, chloritic, slightly potassic, increasing hematitic alteration, sausseritized, increased hornblende content, gradational ct' perp to CA, tr sul					
300.70	306.30	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, glomeroporphyritic, mottled with white calcite flakes and speckled with leucoxene, shp FW ct @ 50 DTCA, tr sul,	292869	305.50	306.30	0.80	0.02
306.30	307.60	QFP, QUARTZ FELDSPAR PORPHYRY grey to orange hue, silicified, potassic, chloritic, from 307.1 to 307.6 faulted section with crumbled chloritic fault gouge, fractured HW and FW ct' @ 30 and 70 DTCA, tr sul	292871	306.30	307.00	0.70	0.01
			292872	307.00	308.00	1.00	0.00
307.60	309.20	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul, alteration ct @ 60 DTCA	292873	308.00	308.50	0.50	0.00
			292874	308.50	309.20	0.70	0.00
309.20	312.36	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, glomeroporphyritic, mottled with white calcite flakes and speckled with leucoxene, shp FW ct @ 50 DTCA, tr sul,					
312.36	320.10	GRD_POT, Granodiorite - Potassic (Melkior) orange hue, predominantly potassic, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul, alteration ct perp to CA					
320.10	327.15	GRD_HEM, Granodiorite - Hematized (Melkior) purplish reddish hue, pitted vuggy core, hematitic, chloritic, dark grey in sections notably from 320.1 to 322.5, from 326.8 to 327.1 orange potassic aphanitic felsic dyke @ 40 DTCA					
327.15	329.30	MI, Melkior - Mafic Intrusive dark grey, predominantly chloritic, carbonaceous, hematitic with patches and streaks of hematite throughout, gradational FW ct @ 60 DTCA, tr sul	292875	327.15	328.00	0.85	0.59
			292876	328.00	328.50	0.50	5.06
			292877	328.50	329.30	0.80	1.40
329.30	358.60	GRD_POT, Granodiorite - Potassic (Melkior) orange to locally burgandy hue, predominantly potassic, secondarily hematitic, variably altered, scattered qtz sts an vnt' averaging 1 cm in width perpendicular to CA, intercalated dark chloritic sections, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul, shp FW ct @ 50 DTCA					
358.60	383.20	GRD_HEM, Granodiorite - Hematized (Melkior) purplish reddish hue, predominantly hematitic, locally potassic, glomeroporphyritic texture overall but some sections overprinting of hematitic alteration obfuscates protolith textures, localized chloritic alteration, mottled with white calcite flakes, tr sul					

DETAILED LOG

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
383.20	412.50	GRD_POT, Granodiorite - Potassic (Melkior) orange to locally burgandy hue, predominantly potassic, secondarily hematitic, variably altered, scattered qtz sts an vnt' averaging 1 cm in width perpendicular to CA, intercalated dark chloritic sections, mottled with white calcite flakes, glomeroporphyritic texture, interstitial increased hornblende content, tr sul, shp FW ct @ 50 DTCA					
412.50	424.20	MV, Melkior - Mafic Volcanic Rock dark grey-green with reddish hue, fine grained, predominantly chloritic, hematitic, scattered granodioritic xenoliths, scattered carbonate-calcite patches throughout, qtz-calcite infilled tension gashes oriented @ 50 to 80 DTCA, tr sul, shp FW ct @ 70 DTCA	292878	412.50	413.00	0.50	0.08
			292879	413.00	414.00	1.00	0.04
			292880	414.00	415.00	1.00	0.03
			292881	415.00	416.00	1.00	0.02
			292882	416.00	417.00	1.00	0.02
			292883	420.00	421.00	1.00	0.00
			292884	421.00	422.00	1.00	0.01
			292885	422.00	423.00	1.00	0.00
424.20	424.80	QFP, QUARTZ FELDSPAR PORPHYRY reddish orange, siliceous, potassic, slightly hematitic, mottled with plag phenocrysts, massive, homogeneous, tr sul, shp fractured FW ct @ 50 DTCA					
424.80	440.10	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive, predominantly chloritic, slightly hematitic, localized granodioritic xenolith from 430.7 to 431.4, tr sul	292886	429.00	430.00	1.00	0.48
			292887	430.00	431.00	1.00	0.87
			292888	431.00	432.00	1.00	0.06
440.10	441.44	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange hue, medium grained, potassic, siliceous, speckled with hematite and chlorite, may be granodioritic phase, tr sul shp HW and FW ct' @ 90 and 60 DTCA					
441.44	444.10	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive, predominantly chloritic, slightly hematitic, localized granodioritic xenolith from 442.44 to 443.44, tr sul, shp ct' @ 70 DTCA					
444.10	447.74	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange hue, medium grained, potassic, siliceous, speckled with hematite and chlorite, may be granodioritic phase, very similar to QFP above though grades into finer grained silicified texture, shp HW and FW ct' @ 50 and 40 DTCA, tr sul	292889	447.00	447.74	0.74	0.01
447.74	451.20	MV, Melkior - Mafic Volcanic Rock dark grey-green, chloritic, silicified, speckled with leucoxene, massive, homogeneous, approx 1 to 2% diss py, gradational FW ct @ 20 DTCA	292891	447.74	448.50	0.76	0.43
			292892	448.50	449.00	0.50	0.02
			292893	449.00	450.00	1.00	0.01
			292894	450.00	450.50	0.50	0.02
			292895	450.50	451.20	0.70	0.02

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
451.20	463.30	QFP, QUARTZ FELDSPAR PORPHYRY light grey to locally buff, silicified, locally potassic and chloritic, mottled with white plag phenocrysts, massive, homogeneous, approx 2 to 3% scattered clusters and disseminations of py, speckled with leucoxene, gradational FW ct @ 60 DTCA	292896	451.20	452.00	0.80	0.01
			292897	452.00	453.00	1.00	0.03
			292898	453.00	454.00	1.00	0.02
			292899	454.00	455.00	1.00	0.00
			292900	455.00	456.00	1.00	0.00
			292901	456.00	457.00	1.00	0.00
			292902	457.00	458.00	1.00	0.03
			292903	458.00	459.00	1.00	0.00
			292904	459.00	460.00	1.00	4.89
			292905	460.00	461.00	1.00	0.01
			292906	461.00	462.00	1.00	0.00
			292907	462.00	462.50	0.50	0.24
			292908	462.50	463.30	0.80	0.01
463.30	465.50	MV, Melkior - Mafic Volcanic Rock dark grey-green, chloritic, silicified, speckled with leucoxene, massive, homogeneous, approx 1 to 2% diss py, interstitial blue qtz eyes from 464 to 465, fractured FW ct @ 50 DTCA	292909	463.30	464.00	0.70	0.01
			292911	464.00	465.00	1.00	0.00
			292912	465.00	465.50	0.50	0.00
465.50	473.20	GRD_SIL, Granodiorite - Silicified (Melkior) predominantly light grey with increasing buff to light green hue, siliceous, chloritic, increasingly potassic from 472 to 472.85 and epidotitic from 472.85 to 473.2, glomeroporphyritic texture, abundant qtz-calcite vnt' and sts up to 3 cm in width varying in orientation from 60 to 90 DTCA, tr sul	292913	465.50	466.00	0.50	0.00
			292914	471.00	472.00	1.00	0.00
			292915	472.00	473.20	1.20	0.00
473.20	473.70	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, slightly sericitized and epidotized, shp HW and FW ct' @ 80 DTCA, approx 2 to 3% diss py	292916	473.20	473.70	0.50	0.00
473.70	479.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, increasing potassic and siliceous alteration from 478 to 479.4 meters glomeroporphyritic texture, tr sul, shp FW ct @ 80 DTCA	292917	473.70	474.50	0.80	0.00
			292918	474.50	475.00	0.50	0.02
			292919	475.00	476.10	1.10	0.01
			292920	476.10	476.60	0.50	0.00
			292921	476.60	477.10	0.50	0.34
			292922	477.10	478.00	0.90	0.00
			292923	478.00	478.80	0.80	0.00
			292924	478.80	479.40	0.60	0.01
479.40	480.10	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, massive, weakly foliated with foliation @ 35 DTCA, tr sul	292925	479.40	480.10	0.70	0.18
480.10	485.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotized, increasing potassic and siliceous alteration from 483 to 486.17 meters glomeroporphyritic texture, shp FW ct @ 80 DTCA, intercalated mafic volcanic sections up to 20 cm in width with 2 to 3% diss py	292926	484.00	485.00	1.00	0.00
			292927	485.00	485.90	0.90	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
485.90	490.60	MV, Melkior - Mafic Volcanic Rock dark grey-green, chloritic, massive, fine grained, slightly silicified, abundant qtz-calcite infilled tension gashes oriented from 60 to 80 DTCA, from 486.85 to 487.14 epidotized granodioritic dyke @ 70 DTCA, approx 2 to 3% finely diss py throughout unit, @ 489.5 fractured crumbled section with approx 6 to 8% cluster of subhedral py locd along fracture @ 20 DTCA	292928	485.90	487.00	1.10	0.00
			292929	487.00	488.00	1.00	0.00
			292931	488.00	489.00	1.00	0.00
			292932	489.00	489.60	0.60	0.23
			292933	489.60	490.10	0.50	0.01
			292934	490.10	490.60	0.50	0.00
490.60	499.20	GRD_SIL, Granodiorite - Silicified (Melkior) light grey-green, siliceous, weakly epidotitic, glomeroporphyritic texture, speckled with leucoxene, scattered white qtz veins and patches notably from 492.8 to 493.1 with approx 2 to 3% scattered subhedral py, from 492 to 492.1 sheared fractured mafic volcanic at 50 DTCA abutting 1 cm qv @ 70 DTCA with 2 to 3% subhedral py, @ 497.45 2 cm qv @ 80 DTCA with 75 to 80% columnar subhedral coarse py and patchy cpy, may be designated as "Upper Zone 1", fractured FW ct @ 50 DTCA	292935	490.60	491.10	0.50	0.00
			292936	491.10	491.60	0.50	0.00
			292937	491.60	492.10	0.50	0.00
			292938	492.10	492.60	0.50	0.01
			292939	492.60	493.10	0.50	0.01
			292940	493.10	494.00	0.90	0.02
			292941	494.00	494.50	0.50	0.08
			292942	494.50	495.00	0.50	0.00
			292943	495.00	496.00	1.00	0.22
			292944	496.00	497.00	1.00	0.14
			292945	497.00	497.50	0.50	0.00
			292946	497.50	498.00	0.50	0.01
			292947	498.00	498.50	0.50	0.00
			292948	498.50	499.20	0.70	0.01
499.20	513.80	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, chloritic, slightly sericitic and locally carbonaceous, scattered white qv' 2 cm in width abd subparallel to CA notably from 506 to 507, massive, approx 2 to 3% scattered subhedral clots throughout strongest from 505 to 507.4, from 507.4 to 507.7 approx 12 to 15% clusters of subhedral py within carbonate patches designated as "Lower Zone 2", shp FW ct @ 50 DTCA	292949	499.20	500.00	0.80	0.01
			292951	500.00	501.00	1.00	0.01
			292952	501.00	502.00	1.00	0.00
			292953	502.00	503.00	1.00	0.00
			292954	503.00	504.00	1.00	0.01
			292955	504.00	504.50	0.50	0.01
			292956	504.50	505.00	0.50	0.01
			292957	505.00	505.50	0.50	0.02
			292958	505.50	506.00	0.50	0.03
			292959	506.00	507.00	1.00	0.01
			292960	507.00	507.50	0.50	0.06
			292961	507.50	508.00	0.50	0.33
			292962	508.00	509.00	1.00	0.14
			292963	509.00	510.00	1.00	0.06
			292964	510.00	511.00	1.00	0.01
			292965	511.00	512.00	1.00	0.02
			292966	512.00	513.00	1.00	4.51
			292967	513.00	513.80	0.80	0.07
513.80	519.00	GRD_SIL, Granodiorite - Silicified (Melkior) light grey-green, siliceous, weakly epidotitic, glomeroporphyritic texture, speckled with leucoxene, scattered white qtz veins @ 50 to 70 DTCA, fractured FW ct @ 30 DTCA, approx 2 to 3% diss py	292968	513.80	515.00	1.20	0.75
			292969	515.00	516.00	1.00	0.02
			292971	516.00	517.00	1.00	0.00
			292972	517.00	518.00	1.00	0.02
			292973	518.00	519.00	1.00	0.01

Hole Number: **CAR-21-15**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
519.00	521.35	MV, Melkior - Mafic Volcanic Rock dark grey green, fine grained, massive, chloritic, abundant ladder-like array of qtz-calcite sts and vnt' oriented from 40 to 70 DTCA, @ 521.0 fracture at 30 DTCA with cluster of approx 10 to 12% subhedral py, sheared FW ct @ 30 DTCA	292974	519.00	520.00	1.00	0.00
			292975	520.00	520.80	0.80	0.01
			292976	520.80	521.35	0.55	0.45
521.35	523.80	GRD_POT, Granodiorite - Potassic (Melkior) greyish orange hue silicified to potassic alteration, glomeroporphyritic texture, mottled with white calcite flakes, tr sul	292977	521.35	522.00	0.65	0.02
523.80	574.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, slightly sericitic, locally epidotitic, localized jasperoidal clasts, massive, strongly fractured and blocky core, fractures subparallel to CA, tr sul, localized patch of cpy rimmed with bornite @ 543.0, from 547 to 547.16 orange silicified and potassic felsic dyke @ 60 DTCA with 1 to 2% blebby py, from 554.15 to 554.54 2 orange potassic dykes speckled with chlorite @ 50 DTCA, tr sul, from 561 to 570 unit becomes more brecciated, extremely block and fractured core, approx 2 to 3% diss and blebby py, from 570 to 574 approx 2 to 3% diss and blebby py often localized along chloritic microfractures	292978	542.50	543.00	0.50	0.11
			292979	543.00	543.50	0.50	0.01
			292980	561.00	562.00	1.00	0.01
			292981	562.00	563.00	1.00	0.15
			292982	563.00	564.00	1.00	0.06
			292983	570.00	571.00	1.00	0.10
			292984	571.00	572.00	1.00	0.01
			292985	572.00	573.00	1.00	0.01
			292986	573.00	574.00	1.00	0.01
574.00	577.30	GRD_POT, Granodiorite - Potassic (Melkior) predominantly potassic, with localized hematitic and pervasive epidotitic alteration, glomeroporphyritic texture, shp HW and FW ct' @ 30 and 80 DTCA respectively, tr sul					
577.30	599.50	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally epidotitic patches and clasts, locally brecciated textures, abundant qtz-clacite infilled tension gashes @ 50 to 80 DTCA, @ 583.9 localized cluster of coarse grained subhedral py, approx 8 to 10%,	292987	583.00	583.50	0.50	0.01
			292988	583.50	584.00	0.50	0.03
			292989	584.00	585.00	1.00	0.10
			292991	597.00	598.00	1.00	0.04
			292992	598.00	599.00	1.00	0.01
			292993	599.00	599.50	0.50	0.00
599.50	602.20	IF, Melkior - Iron Formation chloritic, siliceous, carbonaceous and magnetite-rich poorly developed iron formation, @ 599.66 and 599.85 2 patches of massive sulphide occurring within carbonatized, siliceous and magnetite-rich iron formation, banding @ 40 DTCA, IF from 599.5 to 602.2 predominantly chloritic with patches of magnetite, approx 3 to 4% scattered subhedral py	292994	599.50	600.00	0.50	0.02
			292995	600.00	601.00	1.00	0.07
			292996	601.00	602.20	1.20	0.00
602.20	607.15	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally pervasive epidotitic alteration, locally brecciated textures, abundant qtz-clacite infilled tension gashes @ 50 DTCA, approx 1 to 2% diss py	292997	602.20	603.00	0.80	0.00
			292998	603.00	604.00	1.00	0.01
			292999	604.00	604.50	0.50	0.02

Hole Number: **CAR-21-15**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
607.15	616.40	QFP, QUARTZ FELDSPAR PORPHYRY variably altered QFP, from 607.15 to 611.7 buff, siliceous, slightly potassic, mottled with chlorite phenocrysts, scattered subhedral clots of py notably at 609.43, 610.4, 610.6, from 611.7 to 612.5 orange potassic, scattered white qv' up to 3 cm in width @ 40 to 60 DTCA, approx 2 to 3% diss py, from 612.5 to 613.2 chloritic, fractured, crumbled core, from 613.2 to 613.33 pistachio green sericitized dyklet @ 70 DTCA with flakes of fuschite, from 613.33 to 615.5 light gey, siliceous, massive, scattered white qv' up to 8 cm in width, @ 614.75 4 cm grey sheared qv @ 50 DTCA with 12 to 15% subhedral aggregates of py, shp FW ct @ 35 DTCA	293000	607.15	608.00	0.85	0.04
			293001	608.00	609.00	1.00	0.06
			293002	609.00	609.50	0.50	0.14
			293003	609.50	610.00	0.50	0.02
			293004	610.00	610.50	0.50	0.16
			293005	610.50	611.00	0.50	0.12
			293006	611.00	611.50	0.50	0.00
			293007	611.50	612.00	0.50	0.01
			293008	612.00	612.50	0.50	0.09
			293009	612.50	613.20	0.70	0.02
			293011	613.20	614.00	0.80	0.01
			293012	614.00	614.50	0.50	0.05
			293013	614.50	615.00	0.50	0.47
			293014	615.00	615.50	0.50	0.02
			293015	615.50	615.90	0.40	0.00
			293016	615.90	616.40	0.50	0.00
616.40	627.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, with pervasive epidotitic and sericitic alteration, somewhat brecciated with possible relic pillow selvages, approx 1 to 2% diss and scattered subhedral py throughout, EOH @ 627 meters	293017	616.40	617.00	0.60	0.00
			293018	617.00	618.00	1.00	0.00

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292800	54.00	55.00	0.0025
292801	55.00	56.00	0.0025
292802	56.00	57.20	0.0025
292803	63.00	63.50	0.0025
292804	63.50	64.40	0.0025
292805	64.40	65.00	0.0025
292806	65.00	66.00	0.0025
292807	66.00	67.00	0.0025
292808	67.00	68.00	0.0025
292809	68.00	69.00	0.0025
292811	69.00	70.00	0.0025
292812	70.00	71.00	0.0025
292813	71.00	72.00	0.0025
292814	75.50	76.00	0.0050
292815	76.00	77.00	0.0025
292816	77.00	78.20	0.0025
292817	78.20	79.00	0.0050

Hole Number: **CAR-21-15**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292818	79.00	80.00	0.0025
292819	80.00	81.00	0.0025
292820	81.00	82.00	0.0025
292821	82.00	82.50	0.0025
292822	82.50	83.40	0.0025
292823	83.40	84.50	0.0025
292824	90.50	91.00	0.0130
292825	91.00	91.50	0.0025
292826	91.50	92.00	0.0025
292827	92.00	93.10	0.0025
292828	93.10	94.00	0.0025
292829	94.00	95.00	0.0025
292831	95.00	96.00	0.0025
292832	96.00	96.70	0.0025
292833	114.10	115.00	0.0025
292834	115.00	115.50	0.0025
292835	115.50	116.00	0.0150
292836	116.00	116.50	0.1020
292837	116.50	117.00	0.0025
292838	117.00	118.00	0.0025
292839	133.30	134.00	0.0025
292840	134.00	135.00	0.0080
292841	135.00	136.00	0.0080
292842	136.00	137.00	0.0025
292843	137.00	138.00	0.0025
292844	138.00	139.00	0.0025
292845	139.00	140.00	0.0025
292846	140.00	141.00	0.0025
292847	141.00	142.00	0.0025
292848	193.00	194.00	0.0025
292849	194.00	194.60	0.0025
292851	194.60	195.10	0.0025
292852	195.10	196.00	0.0025
292853	196.00	196.50	0.0025
292854	197.40	198.00	0.0025
292855	198.00	199.00	0.0025
292856	199.00	199.50	0.0025
292857	199.50	200.40	0.0025
292858	226.70	227.50	0.0990

Hole Number: **CAR-21-15**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292859	227.50	228.00	0.0025
292860	228.00	229.10	0.0025
292861	248.00	249.20	0.0025
292862	249.20	250.00	0.0025
292863	250.00	251.00	0.0025
292864	251.00	251.80	0.0090
292865	282.00	283.00	0.0025
292866	283.00	284.00	0.0025
292867	284.00	284.50	0.0370
292868	284.50	285.00	0.0025
292869	305.50	306.30	0.0200
292871	306.30	307.00	0.0050
292872	307.00	308.00	0.0025
292873	308.00	308.50	0.0025
292874	308.50	309.20	0.0025
292875	327.15	328.00	0.5880
292876	328.00	328.50	5.0600
292877	328.50	329.30	1.4000
292878	412.50	413.00	0.0760
292879	413.00	414.00	0.0400
292880	414.00	415.00	0.0300
292881	415.00	416.00	0.0170
292882	416.00	417.00	0.0220
292883	420.00	421.00	0.0025
292884	421.00	422.00	0.0110
292885	422.00	423.00	0.0025
292886	429.00	430.00	0.4810
292887	430.00	431.00	0.8710
292888	431.00	432.00	0.0600
292889	447.00	447.74	0.0080
292891	447.74	448.50	0.4250
292892	448.50	449.00	0.0180
292893	449.00	450.00	0.0090
292894	450.00	450.50	0.0220
292895	450.50	451.20	0.0200
292896	451.20	452.00	0.0080
292897	452.00	453.00	0.0250
292898	453.00	454.00	0.0150
292899	454.00	455.00	0.0025

Hole Number: **CAR-21-15**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292900	455.00	456.00	0.0025
292901	456.00	457.00	0.0025
292902	457.00	458.00	0.0310
292903	458.00	459.00	0.0025
292904	459.00	460.00	4.8900
292905	460.00	461.00	0.0080
292906	461.00	462.00	0.0025
292907	462.00	462.50	0.2360
292908	462.50	463.30	0.0120
292909	463.30	464.00	0.0050
292911	464.00	465.00	0.0025
292912	465.00	465.50	0.0025
292913	465.50	466.00	0.0025
292914	471.00	472.00	0.0025
292915	472.00	473.20	0.0025
292916	473.20	473.70	0.0025
292917	473.70	474.50	0.0025
292918	474.50	475.00	0.0210
292919	475.00	476.10	0.0100
292920	476.10	476.60	0.0025
292921	476.60	477.10	0.3390
292922	477.10	478.00	0.0025
292923	478.00	478.80	0.0025
292924	478.80	479.40	0.0050
292925	479.40	480.10	0.1800
292926	484.00	485.00	0.0025
292927	485.00	485.90	0.0025
292928	485.90	487.00	0.0025
292929	487.00	488.00	0.0025
292931	488.00	489.00	0.0025
292932	489.00	489.60	0.2330
292933	489.60	490.10	0.0050
292934	490.10	490.60	0.0025
292935	490.60	491.10	0.0025
292936	491.10	491.60	0.0025
292937	491.60	492.10	0.0025
292938	492.10	492.60	0.0110
292939	492.60	493.10	0.0110
292940	493.10	494.00	0.0230

Hole Number: **CAR-21-15**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
292941	494.00	494.50	0.0840
292942	494.50	495.00	0.0025
292943	495.00	496.00	0.2180
292944	496.00	497.00	0.1390
292945	497.00	497.50	0.0025
292946	497.50	498.00	0.0120
292947	498.00	498.50	0.0025
292948	498.50	499.20	0.0130
292949	499.20	500.00	0.0100
292951	500.00	501.00	0.0140
292952	501.00	502.00	0.0025
292953	502.00	503.00	0.0025
292954	503.00	504.00	0.0060
292955	504.00	504.50	0.0060
292956	504.50	505.00	0.0120
292957	505.00	505.50	0.0230
292958	505.50	506.00	0.0320
292959	506.00	507.00	0.0110
292960	507.00	507.50	0.0560
292961	507.50	508.00	0.3310
292962	508.00	509.00	0.1350
292963	509.00	510.00	0.0590
292964	510.00	511.00	0.0050
292965	511.00	512.00	0.0190
292966	512.00	513.00	4.5100
292967	513.00	513.80	0.0710
292968	513.80	515.00	0.7540
292969	515.00	516.00	0.0160
292971	516.00	517.00	0.0025
292972	517.00	518.00	0.0170
292973	518.00	519.00	0.0090
292974	519.00	520.00	0.0025
292975	520.00	520.80	0.0080
292976	520.80	521.35	0.4520
292977	521.35	522.00	0.0190
292978	542.50	543.00	0.1100
292979	543.00	543.50	0.0130
292980	561.00	562.00	0.0070
292981	562.00	563.00	0.1540

Hole Number: **CAR-21-15**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
292982	563.00	564.00	0.0640
292983	570.00	571.00	0.1010
292984	571.00	572.00	0.0110
292985	572.00	573.00	0.0080
292986	573.00	574.00	0.0090
292987	583.00	583.50	0.0060
292988	583.50	584.00	0.0340
292989	584.00	585.00	0.0950
292991	597.00	598.00	0.0390
292992	598.00	599.00	0.0070
292993	599.00	599.50	0.0025
292994	599.50	600.00	0.0200
292995	600.00	601.00	0.0700
292996	601.00	602.20	0.0025
292997	602.20	603.00	0.0025
292998	603.00	604.00	0.0100
292999	604.00	604.50	0.0190
293000	607.15	608.00	0.0400
293001	608.00	609.00	0.0580
293002	609.00	609.50	0.1350
293003	609.50	610.00	0.0160
293004	610.00	610.50	0.1570
293005	610.50	611.00	0.1180
293006	611.00	611.50	0.0025
293007	611.50	612.00	0.0140
293008	612.00	612.50	0.0940
293009	612.50	613.20	0.0220
293011	613.20	614.00	0.0140
293012	614.00	614.50	0.0510
293013	614.50	615.00	0.4680
293014	615.00	615.50	0.0160
293015	615.50	615.90	0.0025
293016	615.90	616.40	0.0025
293017	616.40	617.00	0.0025
293018	617.00	618.00	0.0025

DETAILED LOG

Hole Number: **CAR-21-16**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -78.00
Project Number: MELKIOR	North: 5358020.44	North: 34992.91	Collar Az: 250.00
Location: Carscallen Township	East: 451979.18	East: -129533.72	Length: 651.00
	Elev: 329.13	Elev: 5029.13	Start Depth: 0.00
Date Started: Feb 23, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Mar 04, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	250.00	-78.00	EZ Sho	OK		30.00	247.60	-78.60	EZ Sho	OK	
81.00	248.90	-78.40	EZ Sho	OK		132.00	247.20	-78.70	EZ Sho	OK	
183.00	246.80	-79.10	EZ Sho	OK		234.00	248.20	-79.30	EZ Sho	OK	
285.00	252.20	-80.30	EZ Sho	OK		336.00	253.10	-80.10	EZ Sho	OK	
387.00	256.20	-80.10	EZ Sho	OK		447.00	255.10	-80.50	EZ Sho	OK	
489.00	258.00	-80.20	EZ Sho	OK		540.00	258.10	-80.30	EZ Sho	OK	
591.00	257.70	-80.40	EZ Sho	OK		642.00	261.30	-80.60	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	19.20	OVB, MELKIOR - Overburden					
19.20	30.10	GRD_SIL, Granodiorite - Silicified (Melkior) greyish cream coloured, predominantly silicified, glomeroporphyritic, strongly fractured and blocky core from 20 to 30.1 meters, fractures subparallel to CA, vuggy and pitted core, 5 cm white vuggy and pitted qtz vn parallel to CA, tr py					
30.10	46.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections, glomeroporphyritic texture, scattered qtz-carb sts and vnt' @ 50 to 70 DTCA, tr sul					
46.30	48.40	GRD_POT, Granodiorite - Potassic (Melkior) buff to slightly orange hue, potassic, weakly epidotitic, slightly carbonatized, scattered carb sts @ 40 to 50 DTCA, tr sul, gradational HW and FW ct' @ 70 DTCA					
48.40	61.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections, glomeroporphyritic texture, blocky crumbled core from 54 to 55.3 meters, tr sul					

Hole Number: **CAR-21-16**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
61.80	64.00	GRD_POT, Granodiorite - Potassic (Melkior) buff to slightly orange hue, potassic, weakly epidotitic, slightly carbonatized, from 63.76 to 63.84, 8 cm white qtz-tour vn perpendicular to CA, tr sul, gradational HW and FW ct' perp to CA					
64.00	82.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections notably from 69.6 to 70.4 meters with tr sul, glomeroporphyritic texture, from 66.8 to 66.9 white qtz-chl vn perp to CA with tr sul, gradational FW ct @ 60 DTCA	293019	69.00	69.60	0.60	0.01
			293020	69.60	70.40	0.80	0.01
			293021	70.40	71.00	0.60	0.01
82.30	92.74	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly carbonatized, increasing hornblende content, sausseritization, interstitial blue qtz eyes, shp FW ct @ 70 DTCA, tr sul	293022	82.30	83.00	0.70	0.00
			293023	83.00	84.00	1.00	0.01
			293024	84.00	85.00	1.00	0.01
			293025	85.00	86.00	1.00	0.01
			293026	86.00	87.00	1.00	0.01
			293027	87.00	88.00	1.00	0.00
			293028	88.00	89.00	1.00	0.01
92.74	94.70	MI, Melkior - Mafic Intrusive dark green, chloritic, may be xenolithic, massive, homogeneous, shp FW ct perp to CA, tr sul					
94.70	107.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections, 96.71 to 96.76 5 cm white qtz vn @ 70 DTCA rimmed with potassic alteration, tr sul, from 99.33 to 99.55 reddish orange aphanitic potassic and hematitic felsic dyke @ 40 DTCA, tr sul, fractured FW ct @ 60 DTCA					
107.40	109.30	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, mottled with white calcite flakes, increasing hornblende content, interstitial blue qtz eyes, gradational FW ct, tr sul					
109.30	118.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections, tr sul, gradational FW ct @ 40 DTCA					
118.10	120.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly carbonatized, increasing hornblende content, sausseritization, interstitial blue qtz eyes, gradational FW ct @ 60 DTCA, tr sul					
120.40	128.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, predominantly epidotized, intercalated slightly potassic sections, dark green chloritic xenoliths up to 20 cm in width, tr sul					
128.70	152.50	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, mottled with white calcite flakes, increasing hornblende content, slightly pitted and vuggy core, tr sul, gradational FW ct @ 60 DTCA	293029	152.00	152.50	0.50	0.00
152.50	154.80	GRD_SIL, Granodiorite - Silicified (Melkior) greyish cream hue, silicified, slightly carbonatized, slightly potassic, chloritic, strong hornblende content, glomeroporphyritic texture, sausseritized, tr sul, fractured with fractures parallel to CA	293031	152.50	153.00	0.50	0.00
			293032	153.00	154.00	1.00	0.00
			293033	154.00	154.80	0.80	0.00

DETAILED LOG

Hole Number: **CAR-21-16**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
154.80	176.60	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, mottled with white calcite flakes, increasing hornblende content, slightly pitted and vuggy core, tr sul, gradational FW ct @ 80 DTCA					
176.60	179.10	GRD_SIL, Granodiorite - Silicified (Melkior) greyish cream hue, silicified, slightly carbonatized, slightly potassic, chloritic, strong hornblende content, glomeroporphyritic texture, sausseritized, tr sul	293034	176.60	177.20	0.60	0.00
			293035	177.20	178.00	0.80	0.00
			293036	178.00	179.10	1.10	0.00
179.10	199.00	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish hue, hematitic, potassic, mottled with white calcite flakes, glomeroporphyritic texture, scattered hematized mafic clasts up to 20 cm in width, tr sul, fractured FW ct with fractures @ 20 DTCA					
199.00	226.80	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, slightly hematitic, increasing hornblende content, slightly pitted core, tr sul, scattered mafic xenoliths up to 10 cm in width, fractured FW ct @ 70 DTCA					
226.80	232.90	MI, Melkior - Mafic Intrusive dark grey, massive, homogeneous, predominantly chloritic with mafic minerals, speckled with sausserite, from 226.9 to 227.5 faulted contact with crumbled chloritized core, shp FW ct @ 70 DTCA, tr sul	293037	228.00	229.00	1.00	0.00
			293038	229.00	230.00	1.00	0.00
			293039	230.00	231.00	1.00	0.00
232.90	242.20	GRD_POT, Granodiorite - Potassic (Melkior) light orange hue, potassic, slightly silicified, increasing hornblende content, slightly pitted core, tr sul, scattered mafic xenoliths up to 10 cm in width, gradational FW ct @ 70 DTCA					
242.20	252.00	GRD_SIL, Granodiorite - Silicified (Melkior) greyish cream hue, silicified, slightly carbonatized, slightly potassic, chloritic, strong hornblende content, glomeroporphyritic texture, sausseritized, tr sul	293040	242.20	243.00	0.80	0.00
			293041	243.00	244.00	1.00	0.00
252.00	259.00	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish hue, hematitic, potassic, mottled with white calcite flakes, glomeroporphyritic texture,					
259.00	267.80	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, slightly hematitic, increasing hornblende content, slightly pitted core, tr sul, scattered mafic xenoliths up to 30 cm in width, fractured FW ct @ 70 DTCA					
267.80	269.60	MI, Melkior - Mafic Intrusive blue-grey, talcose, chloritic, serpentinized ultramafic intrusive, probable peridotite, massive, homogeneous, gradational FW ct perpendicular to CA, tr sul					
269.60	273.70	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, slightly hematitic, increasing hornblende content, variably silicified, glomeroporphyritic texture, sausseritized, tr sul					
273.70	276.00	MI, Melkior - Mafic Intrusive blue-grey, talcose, chloritic, serpentinized ultramafic intrusive, probable peridotite, massive, homogeneous, fractured faulted FW ct from 275.6 to 276.0, fractured ct @ 40 DTCA					

DETAILED LOG

Hole Number: **CAR-21-16**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
276.00	280.20	GRD_POT, Granodiorite - Potassic (Melkior) orange, potassic, slightly hematitic, increasing hornblende content, variably silicified, glomeroporphyritic texture, sausseritized, tr sul					
280.20	296.80	MI, Melkior - Mafic Intrusive blue-grey, talcose, chloritic, serpentinized ultramafic intrusive, probable peridotite, massive, homogeneous, speckled with leucoxene, tr sul	293042	296.00	296.80	0.80	0.00
296.80	306.10	GRD_SIL, Granodiorite - Silicified (Melkior) greyish cream hue, silicified, slightly carbonatized, slightly potassic, chloritic, strong hornblende content, glomeroporphyritic texture, sausseritized, tr sul	293043	296.80	298.00	1.20	0.00
			293044	298.00	299.00	1.00	0.00
			293045	299.00	300.00	1.00	0.00
			293046	300.00	301.00	1.00	0.00
306.10	314.80	MI, Melkior - Mafic Intrusive blue-grey, talcose, chloritic, serpentinized ultramafic intrusive, probable peridotite, massive, homogeneous, speckled with leucoxene, tr sul, from 313.0 to 313.6 section of hematitic granodiorite with gradational ct' perp to CA					
314.80	318.60	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish hue, hematitic, potassic, sausseritized, glomeroporphyritic texture, from 316.6 to 317.0 hematized jasperoidal clasts, within fractured, blocky core, fractures @ 60 to 70 DTCA, tr sul	293047	316.00	317.00	1.00	0.01
			293048	317.00	318.00	1.00	0.00
			293049	318.00	318.60	0.60	0.01
318.60	322.70	MI, Melkior - Mafic Intrusive blue-grey, talcose, chloritic, serpentinized ultramafic intrusive, probable peridotite, massive, homogeneous, speckled with leucoxene, tr sul	293051	318.60	319.10	0.50	0.00
322.70	346.70	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy reddish hue, hematitic, potassic, mottled with white calcite flakes, sausseritized, glomeroporphyritic texture, scattered jasperoidal clasts, slightly fractured and blocky with fractures occurring along half centimeter qtz stringers @ 60 to 70 DTCA, tr sul					
346.70	354.00	GRD, Melkior-Granodiorite - medium grained greyish brown, medium grained, siliceous, weakly potassic and hematitic, glomeroporphyritic texture, sheared and fractured FW ct @ 50 DTCA, tr sul	293052	352.00	353.00	1.00	0.20
			293053	353.00	354.00	1.00	0.43
354.00	383.00	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally carbonaceous, localized patchy hematite, scattered qtz-calcite sts and vnt' throughout, 2 cm white qz vnt @ 50 DTCA @ fractured HW ct, from 360 to 362 fairly blocky core with fractures @ 50 to 70 DTCA, tr sul, @ 371.8 pink sheared 3 cm qtz-carb vnt stained with hematite @ 50 DTCA, tr sul, from 370 to 375 patchy hematite with carbonate and localized specular hematite, tr sul, from 381 to 383 strong pervasive hematitic alteration, from 382.4 to 383.5 strongly fractured and blocky core, probable fault zone	293054	354.00	355.00	1.00	0.26
			293055	355.00	356.00	1.00	0.03
			293056	356.00	357.00	1.00	0.01
			293057	370.00	371.00	1.00	0.05
			293058	371.00	372.00	1.00	0.18
			293059	372.00	373.00	1.00	0.10
			293060	373.00	374.00	1.00	0.04
			293061	374.00	375.00	1.00	0.06
383.00	388.50	DAC, Melkior - Dacite light reddish grey, siliceous, weakly potassic, pervasive hematitic alteration, massive, homogeneous, scattered qtz-calcite vnt' @ 70 to 80 DTCA, tr sul, locally vesicular, shp FW ct perpendicular to CA	293062	384.00	385.00	1.00	0.01
			293063	385.00	386.00	1.00	0.01
			293064	386.00	387.00	1.00	0.00

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
388.50	492.30	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally carbonaceous, massive with abundant qtz-calcite vnt' and sts @ 70 to 80 DTCA, from 408 to 425 unit develops more flowy texture, from 411.8 to 412.5 slightly brecciated section with silica-carbonate patches and 3 to 4% diss and blebby py, from 414 to 429 more flowy texture with localized brecciated hyaloclastite and locally pervasive sericitic alteration, @ 3 cm pinkish qtz-calcite vnt @ 70 DTCA, tr sul, @ 428.4 3 cm qtz-calcite-chlorite vnt @ 50 DTCA, tr sul, @ 435.7 4 cm white carbonate vnt @ 80 DTCA with patchy hematite, tr sul, @ 439.7 10 cm crackle brecciated qtz-calcite-chlorite vn with patchy hematite perpendicular to CA, tr sul, from 442.6 to 443.0 crackle brecciated qtz-calcite-chlorite vn, fractured and blocky section, fractures @ 30 to 40 DTCA, tr sul, from 447 to 463 fairly massive with localized brecciated hyaloclastite, scattered qtz-calcite sts and vnt' @ 50 to 60 DTCA, blebby carbonate patches, tr sul, @ 474 2 cm pink carbonate-potassic and hematitic vnt @ 20 DTCA, with patch of cpy within hematite, from 486 to 495 ladder-like array of qtz-calcite sts and vnt' @ 60 to 70 DTCA within massive chloritic basalt, tr sul	293065	411.00	411.80	0.80	0.00
			293066	411.80	412.50	0.70	0.00
			293067	412.50	413.00	0.50	0.00
			293068	426.00	427.00	1.00	0.00
			293069	427.00	428.00	1.00	0.00
			293071	428.00	429.00	1.00	0.00
			293072	439.00	439.50	0.50	0.02
			293073	439.50	440.00	0.50	0.01
			293074	440.00	441.00	1.00	0.02
			293075	441.00	442.00	1.00	0.02
			293076	442.00	442.50	0.50	0.03
			293077	442.50	443.00	0.50	0.03
			293078	443.00	444.00	1.00	0.04
			293079	447.00	448.00	1.00	0.02
			293080	448.00	449.00	1.00	0.03
			293081	449.00	450.00	1.00	0.01
			293082	473.00	473.50	0.50	0.00
			293083	473.50	474.00	0.50	0.00
			293084	474.00	474.50	0.50	0.00
			293085	474.50	475.00	0.50	0.00
			293086	491.50	492.30	0.80	0.18
492.30	495.00	MI, Melkior - Mafic Intrusive dark grey-green, fine grained, massive, homogeneous, chloritic, slightly hematitic, scattered qtz-calcite sts and vnt' @ 30 to 70 DTCA, HW and FW ct' @ 30 and 70 DTCA, respectively, approx 2 to 3% diss and blebby py throughout	293087	492.30	493.00	0.70	0.16
			293088	493.00	494.00	1.00	0.18
			293089	494.00	494.50	0.50	0.01
			293091	494.50	495.00	0.50	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
495.00	592.20	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, massive, locally carbonaceous and epidotitic, from 495 to 505.7 slightly flowy quench textures, scattered subrounded epidotitic patches, from 505.7 to 507.2 extremely blocky core with fractures @ 70 to 80 DTCA, @ 503.3 2 cm grey qv @ 40 DTCA rimmed with epidote and possessing approx 5 to 6% diss and blebby py, may be "Upper zone" @ 509.4 3 cm white qtz-calcite vn @ 70 DTCA with 2 to 3% patchy cpy, from 514 to 516 series of ladder-like vnt system with vnt' @ 50 to 70 DTCA, tr sul, @ 521.5 2 cm white carb vnt @ 70 DTCA within slightly sheared wallrock with foliation @ 40 DTCA, tr sul, from 533.9 to 534.17 crackle brecciated within carbonate matrix speckled with hematite and 3 to 4% patchy cpy, from 535.17 to 535.34 17 cm carbonate-qtz vn @ 70 DTCA with patchy hematite and 2 to 3% diss and blebby py locd along vn FW ct, @ 535.36 3 cm carb-qtz vn @ 70 DTCA with tr sul, @ 536.4 3 cm white qtz-carb vnt @ 50 DTCA with tr sul, @ 540.7 4 cm white qtz-calcite vn perp to CA with tr sul, from 550.5 to 552.0 extremely blocky and fractured core with fractures @ 60 to 70 DTCA, from 552 to 553.5 patchy epidotitic clasts and fragments within brecciated hyaloclastite, from 553.5 to 563.5 abundant carb-qtz sts and vnt' no wider than 2 cm oriented @ 50 to 70 DTCA, approx 1 to 2% scattered blebby py, @ 564.1 3 cm qtz-calcite vnt @ 50 DTCA, tr sul, from 566.6 to 566.8 fractured zone with patches of qtz-calcite and approx 3 to 4% diss and blebby py, from 57.4 to 572.9 fractured zone with 3 cm white qtz-calcite vnt @ 60 DTCA, possible sph, from 582 to 582.4 strongly fractured section with 4 cm white-qtz-calcite patch, tr sul	293092	502.00	502.50	0.50	0.00
			293093	502.50	503.00	0.50	0.00
			293094	503.00	503.50	0.50	0.05
			293095	503.50	504.00	0.50	0.07
			293096	506.00	507.00	1.00	0.00
			293097	507.00	508.00	1.00	0.01
			293098	508.00	509.00	1.00	0.01
			293099	509.00	509.50	0.50	0.00
			293100	509.50	510.00	0.50	0.00
			293101	510.00	511.00	1.00	0.00
			293102	514.00	515.00	1.00	0.09
			293103	515.00	516.00	1.00	0.01
			293104	521.00	521.50	0.50	0.18
			293105	521.50	522.00	0.50	0.02
			293106	522.00	523.00	1.00	0.01
			293107	533.00	533.90	0.90	0.01
			293108	533.90	534.50	0.60	0.01
			293109	534.50	535.00	0.50	0.01
			293111	535.00	535.50	0.50	0.03
			293112	535.50	536.00	0.50	0.00
			293113	536.00	537.00	1.00	0.01
			293114	540.00	541.00	1.00	0.00
			293115	541.00	542.00	1.00	0.00
			293116	542.00	543.00	1.00	0.00
			293117	560.00	561.00	1.00	0.00
			293118	561.00	562.00	1.00	0.00
			293119	562.00	563.00	1.00	0.00
			293120	563.00	564.00	1.00	0.01
			293121	564.00	565.00	1.00	0.02
			293122	565.00	566.00	1.00	0.00
			293123	566.00	566.50	0.50	0.00
			293124	566.50	567.00	0.50	0.01
			293125	567.00	568.00	1.00	0.00
			293126	571.90	572.40	0.50	0.00
			293127	572.40	572.90	0.50	0.00
			293128	572.90	573.50	0.60	0.00
			293129	591.00	592.20	1.20	0.00
592.20	593.20	QFP, QUARTZ FELDSPAR PORPHYRY orange-buff, fine grained, potassic, silicified, slightly sericitic, massive abundant qtz vnt' up to 3 cm in width proximal to HW ct, fractured HW ct @ 70 DTCA, FW ct para to CA, tr sul	293131	592.20	593.20	1.00	0.00

DETAILED LOG

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
593.20	596.40	MV, Melkior - Mafic Volcanic Rock dark grey-green, chloritic, locally potassic and silicified with "ripped up" QFP fragments, massive, scattered qtz-calcite infilled tension gashes @ 40 to 70 DTCA, tr sul					
596.40	598.70	QFP, QUARTZ FELDSPAR PORPHYRY buff to light grey, silicified, slightly potassic and sericitic, mottled with chlorite phenocrysts, shp HW ct @ 50 DTCA, fractured and sheared FW ct @ 40 DTCA with abundant vng proximal to FW ct, tr sul	293132	596.40	597.00	0.60	0.00
			293133	597.00	598.00	1.00	0.00
			293134	598.00	598.70	0.70	0.00
598.70	605.90	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive, predominantly chloritic alteration, scattered qtz-epidotitic-calcitic vnt' and patches up to 4 cm in width notably @ 603.8, 604.2 and 605.0, tr sul	293135	603.00	604.00	1.00	0.00
			293136	604.00	605.00	1.00	0.00
			293137	605.00	605.90	0.90	0.00
605.90	609.80	QFP, QUARTZ FELDSPAR PORPHYRY SAA QFP dykes, buff to slightly pinkish, silicified, potassic, mottled with chlorite phenocrysts, slightly vesicular, fractured blocky core notably form 606 to 607.5 meters, tr sul					
609.80	611.70	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive, predominantly chloritic alteration, scattered carbonate vnt' up to 3 cm in width oriented from 20 to 50 DTCA, tr sul, diffuse gradational HW and FW ct' @ 40 and 70 DTCA respectively	293138	609.80	611.00	1.20	0.00
			293139	611.00	611.70	0.70	0.01
611.70	613.20	QFP, QUARTZ FELDSPAR PORPHYRY buff to slightly pinkish, silicified, potassic, mottled with chlorite phenocrysts, slightly vesicular, @ 612.06 2 cm white qtz vnt @ 70 DTCA with 1 to 2% patchy cpy, 4 cm white qtz-feldspar vnt @ fractured ct @ 80 DTCA, tr sul	293140	611.70	612.20	0.50	0.00
			293141	612.20	613.20	1.00	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
613.20	637.20	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, massive, fine grained, abundant 2nd order qtz-calcite sts and vnt' @ 60 to 70 DTCA, from 614.7 to 615.0 grey carbonate patches subparallel to CA with 4 to 5% diss and blebby py, @ 620.6 3 cm grey qtz-carb vnt @ 20 DTCA with approx 20 to 25% subhedral columnar py designated as "Lower Zone", at 622.1 2 cm qtz-carb vnt @ 20 DTCA with 20 to 25% subhedral columnar py as part of Lower Zone, @ 622.8 blebby qtz 4 cm qtz vnt perpendicular to CA with 12 to 15% aggregates of subhedral py, Lower Zone runs from 620.5 to 623.0 meters, from 627.0 to 631.5 strongly fractured with fractures subparallel to CA, foliation parallel to CA, approx 1 to 2% diss and blebby py, from 630.7 to 631.0 strongly fractured and abundant qtz-feldspar vnt' @ 60 DTCA, approx 1 to 2% diss py,	293142	613.20	614.00	0.80	0.00
			293143	614.00	614.50	0.50	4.64
			293144	614.50	615.00	0.50	0.04
			293145	615.00	615.50	0.50	0.02
			293146	615.50	616.00	0.50	0.03
			293147	616.00	616.50	0.50	0.01
			293148	616.50	617.00	0.50	0.01
			293149	617.00	618.00	1.00	0.01
			293151	618.00	619.00	1.00	0.09
			293152	619.00	619.50	0.50	0.02
			293153	619.50	620.00	0.50	0.02
			293154	620.00	620.50	0.50	1.23
			293155	620.50	621.00	0.50	1.08
			293156	621.00	621.50	0.50	0.02
			293157	621.50	622.00	0.50	0.02
			293158	622.00	622.50	0.50	0.51
			293159	622.50	623.00	0.50	0.22
			293160	623.00	623.50	0.50	0.01
			293161	623.50	624.00	0.50	0.02
			293162	624.00	625.00	1.00	0.02
			293163	625.00	626.00	1.00	0.01
			293164	626.00	627.00	1.00	0.02
			293165	627.00	627.50	0.50	0.03
			293166	627.50	628.00	0.50	0.05
			293167	628.00	629.00	1.00	0.02
			293168	629.00	630.00	1.00	0.01
			293169	630.00	631.00	1.00	0.04
			293171	631.00	632.00	1.00	0.04
			293172	632.00	633.00	1.00	0.02
			293173	633.00	634.00	1.00	0.06
			293174	634.00	635.00	1.00	0.03
			293175	635.00	636.00	1.00	0.00
			293176	636.00	637.20	1.20	0.03
637.20	641.30	QFP, QUARTZ FELDSPAR PORPHYRY light green, massive, sericitic, siliceous, mottled with white plagioclase phenocrysts, speckled with green chloritic phenocrysts, approx 1 to 2% diss py proximal to HW and FW ct' @ 40 and 30 DTCA respectively	293177	637.20	638.00	0.80	0.00
			293178	640.80	641.30	0.50	0.00
641.30	651.00	MV, Melkior - Mafic Volcanic Rock dark grey-green, fine grained, massive, predominantly chloritic, slightly carbonaceous, scattered qtz-calcite infilled tension gashes @ 50 to 70 DTCA, from 641.3 to 642.0 approx 4 to 5% diss and blebby py throughout wallrock, from 643.5 to 644.0 clusters of approx 4 to 5% subhedral py, from 650.4 to 651.0 slightly more intermediate in composition, possible transition to dacite, tr sul, EOH	293179	641.30	642.00	0.70	0.10
			293180	642.00	643.00	1.00	0.05
			293181	643.00	643.50	0.50	0.01
			293182	643.50	644.00	0.50	0.02
			293183	644.00	645.00	1.00	0.03

Hole Number: **CAR-21-16**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
293019	69.00	69.60	0.0110
293020	69.60	70.40	0.0050
293021	70.40	71.00	0.0050
293022	82.30	83.00	0.0025
293023	83.00	84.00	0.0060
293024	84.00	85.00	0.0070
293025	85.00	86.00	0.0070
293026	86.00	87.00	0.0080
293027	87.00	88.00	0.0025
293028	88.00	89.00	0.0070
293029	152.00	152.50	0.0025
293031	152.50	153.00	0.0025
293032	153.00	154.00	0.0025
293033	154.00	154.80	0.0025
293034	176.60	177.20	0.0025
293035	177.20	178.00	0.0025
293036	178.00	179.10	0.0025
293037	228.00	229.00	0.0025
293038	229.00	230.00	0.0025
293039	230.00	231.00	0.0025
293040	242.20	243.00	0.0025
293041	243.00	244.00	0.0025
293042	296.00	296.80	0.0025
293043	296.80	298.00	0.0025
293044	298.00	299.00	0.0025
293045	299.00	300.00	0.0025
293046	300.00	301.00	0.0025
293047	316.00	317.00	0.0090
293048	317.00	318.00	0.0025
293049	318.00	318.60	0.0090
293051	318.60	319.10	0.0025
293052	352.00	353.00	0.2030
293053	353.00	354.00	0.4250
293054	354.00	355.00	0.2600
293055	355.00	356.00	0.0330
293056	356.00	357.00	0.0080
293057	370.00	371.00	0.0470
293058	371.00	372.00	0.1750
293059	372.00	373.00	0.0960

Hole Number: **CAR-21-16**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
293060	373.00	374.00	0.0390
293061	374.00	375.00	0.0620
293062	384.00	385.00	0.0070
293063	385.00	386.00	0.0060
293064	386.00	387.00	0.0025
293065	411.00	411.80	0.0025
293066	411.80	412.50	0.0025
293067	412.50	413.00	0.0025
293068	426.00	427.00	0.0025
293069	427.00	428.00	0.0025
293071	428.00	429.00	0.0025
293072	439.00	439.50	0.0150
293073	439.50	440.00	0.0050
293074	440.00	441.00	0.0210
293075	441.00	442.00	0.0160
293076	442.00	442.50	0.0250
293077	442.50	443.00	0.0270
293078	443.00	444.00	0.0380
293079	447.00	448.00	0.0180
293080	448.00	449.00	0.0290
293081	449.00	450.00	0.0110
293082	473.00	473.50	0.0025
293083	473.50	474.00	0.0025
293084	474.00	474.50	0.0025
293085	474.50	475.00	0.0025
293086	491.50	492.30	0.1790
293087	492.30	493.00	0.1620
293088	493.00	494.00	0.1770
293089	494.00	494.50	0.0050
293091	494.50	495.00	0.0050
293092	502.00	502.50	0.0025
293093	502.50	503.00	0.0025
293094	503.00	503.50	0.0510
293095	503.50	504.00	0.0710
293096	506.00	507.00	0.0025
293097	507.00	508.00	0.0070
293098	508.00	509.00	0.0070
293099	509.00	509.50	0.0025
293100	509.50	510.00	0.0025

Hole Number: **CAR-21-16**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
293101	510.00	511.00	0.0025
293102	514.00	515.00	0.0930
293103	515.00	516.00	0.0120
293104	521.00	521.50	0.1780
293105	521.50	522.00	0.0180
293106	522.00	523.00	0.0060
293107	533.00	533.90	0.0050
293108	533.90	534.50	0.0050
293109	534.50	535.00	0.0050
293111	535.00	535.50	0.0330
293112	535.50	536.00	0.0025
293113	536.00	537.00	0.0070
293114	540.00	541.00	0.0025
293115	541.00	542.00	0.0025
293116	542.00	543.00	0.0025
293117	560.00	561.00	0.0025
293118	561.00	562.00	0.0025
293119	562.00	563.00	0.0025
293120	563.00	564.00	0.0050
293121	564.00	565.00	0.0200
293122	565.00	566.00	0.0025
293123	566.00	566.50	0.0025
293124	566.50	567.00	0.0140
293125	567.00	568.00	0.0025
293126	571.90	572.40	0.0025
293127	572.40	572.90	0.0025
293128	572.90	573.50	0.0025
293129	591.00	592.20	0.0025
293131	592.20	593.20	0.0025
293132	596.40	597.00	0.0025
293133	597.00	598.00	0.0025
293134	598.00	598.70	0.0025
293135	603.00	604.00	0.0025
293136	604.00	605.00	0.0025
293137	605.00	605.90	0.0025
293138	609.80	611.00	0.0025
293139	611.00	611.70	0.0100
293140	611.70	612.20	0.0025
293141	612.20	613.20	0.0060

Hole Number: **CAR-21-16**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
293142	613.20	614.00	0.0025
293143	614.00	614.50	4.6400
293144	614.50	615.00	0.0400
293145	615.00	615.50	0.0150
293146	615.50	616.00	0.0250
293147	616.00	616.50	0.0120
293148	616.50	617.00	0.0140
293149	617.00	618.00	0.0110
293151	618.00	619.00	0.0900
293152	619.00	619.50	0.0190
293153	619.50	620.00	0.0180
293154	620.00	620.50	1.2300
293155	620.50	621.00	1.0800
293156	621.00	621.50	0.0200
293157	621.50	622.00	0.0200
293158	622.00	622.50	0.5070
293159	622.50	623.00	0.2240
293160	623.00	623.50	0.0050
293161	623.50	624.00	0.0150
293162	624.00	625.00	0.0190
293163	625.00	626.00	0.0140
293164	626.00	627.00	0.0180
293165	627.00	627.50	0.0270
293166	627.50	628.00	0.0450
293167	628.00	629.00	0.0210
293168	629.00	630.00	0.0130
293169	630.00	631.00	0.0360
293171	631.00	632.00	0.0390
293172	632.00	633.00	0.0180
293173	633.00	634.00	0.0590
293174	634.00	635.00	0.0290
293175	635.00	636.00	0.0025
293176	636.00	637.20	0.0300
293177	637.20	638.00	0.0025
293178	640.80	641.30	0.0025
293179	641.30	642.00	0.0990
293180	642.00	643.00	0.0510
293181	643.00	643.50	0.0120
293182	643.50	644.00	0.0210

Hole Number: **CAR-21-16**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
293183	644.00	645.00	0.0280

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5358492.00	North: 35505.28	Collar Az: 240.00
Location: Carscallen Township	East: 451768.00	East: -129601.60	Length: 702.00
	Elev: 329.00	Elev: 5029.00	Start Depth: 0.00
Date Started: Oct 20, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Oct 31, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 702.00

Comments: Drill Hole: CAR21-17 was renamed to: CAR-21-17 through Fusion Client by mclarke on 2021-11-09 13:42:42

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.40	-60.00	EZ Sho	OK		18.00	236.10	-60.80	EZ Sho	OK	
24.00	238.70	-60.60	EZ Sho	OK		42.00	236.90	-60.10	EZ Sho	OK	
93.00	236.50	-60.10	EZ Sho	OK		144.00	241.90	-59.90	EZ Sho	OK	
150.00	241.80	-59.70	EZ Sho	OK		201.00	240.20	-59.50	EZ Sho	OK	
252.00	240.20	-59.50	EZ Sho	OK		303.00	240.20	-59.10	EZ Sho	OK	
354.00	242.70	-58.80	EZ Sho	OK		405.00	242.70	-58.50	EZ Sho	OK	
456.00	240.90	-58.10	EZ Sho	OK		516.00	242.10	-57.10	EZ Sho	OK	
567.90	242.30	-56.60	EZ Sho	OK		624.00	240.80	-56.10	EZ Sho	OK	
675.00	242.90	-55.30	EZ Sho	OK		702.00	244.00	-54.80	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	6.00	OVB, MELKIOR - Overburden					

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
6.00	27.00	BaFBx, Melkior - Basalt Flow Breccia dark grey-green, chloritic, siliceous, feldspathic, locally sericitic, locally brecciated with diffuse subangular to subrounded granodioritic clasts and fragments, scattered fractures infilled with chlorite, mafic volcanic host rock, approximately 3 to 4% disseminated pyrrhotite and 3 to 4% blebby subhedral py, moderately foliated with foliation @ 50 DTCA, granodioritic xenoliths up to 40 cm in width, gradational FW ct @ 70 DTCA	KL015501	6.00	7.00	1.00	0.00
			KL015502	7.00	8.00	1.00	0.01
			KL015503	8.00	9.00	1.00	0.01
			KL015504	9.00	10.00	1.00	0.00
			KL015505	10.00	11.00	1.00	0.01
			KL015506	11.00	12.00	1.00	0.01
			KL015507	12.00	13.00	1.00	0.00
			KL015508	13.00	14.00	1.00	0.00
			KL015509	14.00	15.00	1.00	0.01
			KL015511	15.00	16.00	1.00	0.01
			KL015512	16.00	17.00	1.00	0.01
			KL015513	17.00	18.00	1.00	0.00
			KL015514	18.00	19.00	1.00	0.01
			KL015515	19.00	20.00	1.00	0.01
			KL015516	20.00	21.00	1.00	0.01
			KL015517	21.00	22.00	1.00	0.01
			KL015518	22.00	23.00	1.00	0.01
		KL015519	23.00	24.00	1.00	0.01	
		KL015521	24.00	25.00	1.00	0.01	
		KL015522	25.00	26.00	1.00	0.01	
		KL015523	26.00	27.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
27.00	69.50	FV, Melkior - Felsic Volcanics light grey to buff, fine to medium grained, siliceous, sericitic, feldspathic, locally chloritic and carbonaceous, somewhat flowy brecciated texture with abundant qtz-carbonate infilled tension gashes varying in orientation from 30 to 50 DTCA, approximately 3 to 4% disseminated py and localized pyrrhotitic bands and stringers throughout unit	KL015524	27.00	28.00	1.00	0.00
			KL015525	28.00	29.00	1.00	0.00
			KL015526	29.00	30.00	1.00	0.00
			KL015527	30.00	31.00	1.00	0.01
			KL015528	31.00	32.00	1.00	0.00
			KL015529	32.00	33.00	1.00	0.00
			KL015531	33.00	34.00	1.00	0.00
			KL015532	34.00	35.00	1.00	0.00
			KL015533	35.00	36.00	1.00	0.00
			KL015534	36.00	37.00	1.00	0.00
			KL015535	37.00	38.00	1.00	0.01
			KL015536	38.00	39.00	1.00	0.01
			KL015537	39.00	40.00	1.00	0.00
			KL015538	40.00	41.00	1.00	0.01
			KL015539	41.00	42.00	1.00	0.01
			KL015541	42.00	43.00	1.00	0.01
			KL015542	43.00	44.00	1.00	0.00
			KL015543	44.00	45.00	1.00	0.01
			KL015544	45.00	46.00	1.00	0.00
			KL015545	46.00	47.00	1.00	0.00
			KL015546	47.00	48.00	1.00	0.01
			KL015547	48.00	49.00	1.00	0.00
			KL015548	49.00	50.00	1.00	0.00
			KL015549	50.00	51.00	1.00	0.01
			KL015551	51.00	52.00	1.00	0.01
			KL015552	52.00	53.00	1.00	0.01
			KL015553	53.00	54.00	1.00	0.01
			KL015554	54.00	55.00	1.00	0.01
			KL015555	55.00	56.00	1.00	0.01
			KL015556	56.00	57.00	1.00	0.01
			KL015557	57.00	58.00	1.00	0.00
			KL015558	58.00	59.00	1.00	0.00
			KL015559	59.00	60.00	1.00	0.01
			KL015561	60.00	61.00	1.00	0.01
			KL015562	61.00	62.00	1.00	0.00
			KL015563	62.00	63.00	1.00	0.01
			KL015564	63.00	64.00	1.00	0.01
			KL015565	64.00	65.00	1.00	0.00
			KL015566	65.00	66.00	1.00	0.01
			KL015567	66.00	67.00	1.00	0.00
			KL015568	67.00	68.00	1.00	0.00
			KL015569	68.00	69.00	1.00	0.00
			KL015571	69.00	69.50	0.50	0.00

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
69.50	72.50	MI, Melkior - Mafic Intrusive dark grey-green, fine to medium grained, chloritic, slightly carbonaceous, 5 cm qtz-carb vnt parallel to CA from 71.5 to 72.1 meters, rimmed with ankerite, approx 1 to 2% disseminated py, possible patchy sphalereite, shp HW and FW ct' @ 70 and 60 DTCA respectively	KL015572	69.50	70.00	0.50	0.00
			KL015573	70.00	71.00	1.00	0.01
			KL015574	71.00	72.00	1.00	0.00
			KL015575	72.00	72.50	0.50	0.00
72.50	99.35	FV, Melkior - Felsic Volcanics light grey, siliceous, feldspathic, sericitic, locally carbonaceous and chloritic, brecciated texture with patchy sericitic alteration and fractures infilled with chlorite and carbonate @ 50 to 60 DTCA, approx 3 to 4% patchy pyrrhotite and 2 to 2% blebby py	KL015576	72.50	73.00	0.50	0.00
			KL015577	73.00	74.00	1.00	0.01
			KL015578	74.00	75.00	1.00	0.01
			KL015579	75.00	76.00	1.00	0.00
			KL015581	76.00	77.00	1.00	0.01
			KL015582	77.00	78.00	1.00	0.00
			KL015583	78.00	79.00	1.00	0.01
			KL015584	79.00	80.00	1.00	0.00
			KL015585	80.00	81.00	1.00	0.00
			KL015586	81.00	82.00	1.00	0.00
			KL015587	82.00	83.00	1.00	0.01
			KL015588	83.00	84.00	1.00	0.01
			KL015589	84.00	85.00	1.00	0.01
			KL015591	85.00	86.00	1.00	0.01
			KL015592	86.00	87.00	1.00	0.01
			KL015593	87.00	88.00	1.00	0.01
			KL015594	88.00	89.00	1.00	0.00
			KL015595	89.00	90.00	1.00	0.01
			KL015596	90.00	91.00	1.00	0.00
			KL015597	91.00	92.00	1.00	0.00
			KL015598	92.00	93.00	1.00	0.01
			KL015599	93.00	94.00	1.00	0.01
			KL015601	94.00	95.00	1.00	0.00
			KL015602	95.00	96.00	1.00	0.01
			KL015603	96.00	97.00	1.00	0.00
			KL015604	97.00	98.00	1.00	0.00
			KL009951	98.00	98.50	0.50	0.01
			KL015605	98.00	98.50	0.50	0.03
			KL015606	98.50	99.35	0.85	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
99.35	159.30	BaFBx, Melkior - Basalt Flow Breccia dark grey-green with yellowish patches, chloritic, slightly siliceous, locally sericitized, locally carbonaceous, brecciated texture from 99.35 to 100.0, approx 6 to 7% disseminated py and pyrrhotite with semi-massive platy py on joint fractures, approx 3 to 4% po, py overall occurring within chloritic and carbonaceous fractures, probable metasomatism due to proximity with granodioritic intrusive, from 124 to 138 approx 4 to 5% disseminated and blebby py, from 143 to 149 approx 3 to 4% disseminated and blebby py, from 151 to 152 approx 5 to 6% disseminated py occurring within segregated clusters	KL015607	99.35	100.00	0.65	0.02
			KL015608	100.00	101.00	1.00	0.00
			KL015609	101.00	102.00	1.00	0.01
			KL015611	102.00	103.00	1.00	0.00
			KL015612	103.00	104.00	1.00	0.01
			KL015613	104.00	105.00	1.00	0.00
			KL015614	105.00	106.00	1.00	0.01
			KL015615	106.00	107.00	1.00	0.00
			KL015616	107.00	108.00	1.00	0.00
			KL015617	108.00	109.00	1.00	0.00
			KL015618	109.00	110.00	1.00	0.00
			KL015619	110.00	111.00	1.00	0.00
			KL015621	111.00	112.00	1.00	0.02
			KL015622	112.00	113.00	1.00	0.00
			KL015623	113.00	114.00	1.00	0.00
			KL015624	114.00	115.00	1.00	0.00
			KL015625	115.00	116.00	1.00	0.01
			KL015626	116.00	117.00	1.00	0.08
			KL015627	117.00	118.00	1.00	0.01
			KL015628	118.00	119.00	1.00	0.00
			KL015629	119.00	120.00	1.00	0.00
			KL015631	120.00	121.00	1.00	0.00
			KL015632	121.00	122.00	1.00	0.00
			KL015633	122.00	123.00	1.00	0.00
			KL015634	123.00	124.00	1.00	0.01
			KL015635	124.00	125.00	1.00	0.00
			KL015636	125.00	126.00	1.00	0.00
			KL015637	126.00	127.00	1.00	0.02
			KL015638	127.00	128.00	1.00	0.00
			KL015639	128.00	129.00	1.00	0.00
			KL015641	129.00	130.00	1.00	0.00
			KL015642	130.00	131.00	1.00	0.02
			KL015643	131.00	132.00	1.00	0.00
			KL015644	132.00	133.00	1.00	0.00
			KL015645	133.00	134.00	1.00	0.00
			KL015646	134.00	135.00	1.00	0.00
			KL015647	135.00	136.00	1.00	0.00
			KL015648	136.00	137.00	1.00	0.00
			KL015649	137.00	138.00	1.00	0.00
			KL015651	138.00	139.00	1.00	0.01
			KL015652	139.00	140.00	1.00	0.00
			KL015653	140.00	141.00	1.00	0.01
			KL015654	141.00	142.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL015655	142.00	143.00	1.00	0.00
			KL015656	143.00	144.00	1.00	0.00
			KL015657	144.00	145.00	1.00	0.01
			KL015658	145.00	146.00	1.00	0.00
			KL015659	146.00	147.00	1.00	0.01
			KL015661	147.00	148.00	1.00	0.01
			KL015662	148.00	149.00	1.00	0.00
			KL015663	149.00	150.00	1.00	0.00
			KL015664	150.00	151.00	1.00	0.00
			KL015665	151.00	152.00	1.00	0.02
			KL015666	152.00	153.00	1.00	0.00
			KL015667	153.00	154.00	1.00	0.00
			KL015668	154.00	155.00	1.00	0.00
			KL015669	155.00	156.00	1.00	0.00
			KL015671	156.00	157.00	1.00	0.00
			KL015672	157.00	158.00	1.00	0.00
			KL015673	158.00	158.50	0.50	0.00
			KL015674	158.50	159.30	0.80	0.00
159.30	169.40	FV, Melkior - Felsic Volcanics light grey, siliceous, locally sericitic with scattered sericitic banding parallel to foliation @ 50 DTCA, unit possesses moderately foliated flowy texture becoming increasingly more medium grained and porphyritic proximal to FW ct, approx 2 to 3% disseminated py and patchy po, shp FW ct @ 70 DTCA	KL015675	159.30	160.00	0.70	0.00
			KL015676	160.00	161.00	1.00	0.00
			KL015677	161.00	162.00	1.00	0.02
			KL015678	162.00	163.00	1.00	0.00
			KL015679	163.00	164.00	1.00	0.00
			KL015681	164.00	165.00	1.00	0.00
			KL015682	165.00	166.00	1.00	0.00
			KL015683	166.00	167.00	1.00	0.01
			KL015684	167.00	168.00	1.00	0.00
			KL015685	168.00	169.00	1.00	0.01
			KL015686	169.00	169.40	0.40	0.00
169.40	173.60	QFP, QUARTZ FELDSPAR PORPHYRY light grey, medium grained, siliceous, chloritic, sericitic, massive, homogeneous, scattered chloritic microfractures @ 30 to 40 DTCA with carbonaceous infilling, approx 2 to 3% patchy po and disseminated py relegated to microfractures, irregular FW ct perpendicular to CA	KL015687	169.40	170.00	0.60	0.01
			KL015688	170.00	171.00	1.00	0.00
			KL015689	171.00	172.00	1.00	0.00
			KL015691	172.00	173.00	1.00	0.00
			KL015692	173.00	173.60	0.60	0.00

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
173.60	199.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, slightly siliceous, brecciated, scattered granodioritic dikes, fragments and clasts up to 40 cm in width, pervasive carbonatization notably from 189 to 191 with approx 7 to 8% blebby py	KL015693	173.60	174.50	0.90	0.00
			KL015694	174.50	175.00	0.50	0.00
			KL015695	175.00	176.00	1.00	0.00
			KL015696	176.00	177.00	1.00	0.00
			KL015697	177.00	178.00	1.00	0.00
			KL015698	178.00	179.00	1.00	0.00
			KL015699	179.00	180.00	1.00	0.00
			KL015701	180.00	181.00	1.00	0.00
			KL015702	181.00	182.00	1.00	0.00
			KL015703	182.00	183.00	1.00	0.00
			KL015704	183.00	184.00	1.00	0.00
			KL015705	184.00	185.00	1.00	0.00
			KL015706	185.00	186.00	1.00	0.00
			KL015707	186.00	187.00	1.00	0.00
			KL015708	187.00	188.00	1.00	0.00
			KL015709	188.00	189.00	1.00	0.00
			KL015711	189.00	190.00	1.00	0.00
			KL015712	190.00	191.00	1.00	0.00
			KL015713	191.00	192.00	1.00	0.00
			KL015714	192.00	193.00	1.00	0.00
			KL015715	193.00	194.00	1.00	0.00
			KL015716	194.00	195.00	1.00	0.01
			KL015717	195.00	196.00	1.00	0.00
			KL015718	196.00	197.00	1.00	0.01
			KL009952	197.00	197.50	0.50	0.01
			KL015719	197.00	198.00	1.00	0.00
			KL015721	198.00	199.00	1.00	0.00
199.00	212.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green to reddish hue, primarily epidotitic, secondarily potassic and slightly hematitic, medium grained glomeroporphyritic texture, homogeneous, approx 1 to 2% disseminated py	KL015722	199.00	200.00	1.00	0.00
			KL015723	200.00	201.00	1.00	0.00
			KL015724	201.00	202.00	1.00	0.00
			KL015725	202.00	203.00	1.00	0.00
			KL015726	203.00	204.00	1.00	0.00
			KL015727	204.00	205.00	1.00	0.00
			KL015728	205.00	206.00	1.00	0.00
			KL015729	206.00	207.00	1.00	0.00
			KL015731	207.00	208.00	1.00	0.00
			KL015732	208.00	209.00	1.00	0.00
			KL015733	209.00	210.00	1.00	0.00
			KL015734	210.00	211.00	1.00	0.00
			KL015735	211.00	211.50	0.50	0.00
			KL015736	211.50	212.40	0.90	0.00

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
212.40	242.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, chloritic, locally potassic, pervasive carbonatization, scattered qtz-carb sts oriented from 50 to 60 DTCA, secondary veining, slightly siliceous, from 217.6 to 218.3 pinkish orange potassic dike with shp HW and FW ct' @ 60 and 40 DTCA, approx 3 to 4% disseminated py localized @ fw ct, @ 233.3 4 cm qtz-carb vnt @ 40 DTCA, from 233.0 to 234.0 approx 4 to 5% disseminated py occurring as disseminated and segregated into micro bands parallel to foliation	KL015737	212.40	213.00	0.60	0.00
			KL015738	213.00	214.00	1.00	0.00
			KL015739	214.00	215.00	1.00	0.00
			KL015741	215.00	216.00	1.00	0.00
			KL015742	216.00	217.00	1.00	0.00
			KL015743	217.00	217.60	0.60	0.00
			KL015744	217.60	218.30	0.70	0.00
			KL015745	218.30	219.00	0.70	0.00
			KL015746	219.00	220.00	1.00	0.00
			KL015747	220.00	221.00	1.00	0.00
			KL015748	221.00	222.00	1.00	0.00
			KL015749	222.00	223.00	1.00	0.00
			KL015751	223.00	224.00	1.00	0.00
			KL015752	224.00	225.00	1.00	0.00
			KL015753	225.00	226.00	1.00	0.00
			KL015754	226.00	227.00	1.00	0.00
			KL015755	227.00	228.00	1.00	0.00
			KL015756	228.00	229.00	1.00	0.00
			KL015757	229.00	230.00	1.00	0.00
			KL015758	230.00	231.00	1.00	0.00
			KL015759	231.00	232.00	1.00	0.00
		KL015761	232.00	233.00	1.00	0.04	
		KL015762	233.00	234.00	1.00	0.00	
		KL015763	234.00	235.00	1.00	0.00	
		KL015764	235.00	236.00	1.00	0.00	
		KL015765	236.00	237.00	1.00	0.00	
		KL015766	237.00	238.00	1.00	0.00	
		KL015767	238.00	239.00	1.00	0.00	
		KL015768	239.00	240.00	1.00	0.00	
		KL015769	240.00	241.00	1.00	0.08	
		KL015771	241.00	242.00	1.00	0.00	
242.00	249.00	FZ, Fault Zone dark grey-green to rusted colouration, extremely blocky core with poor RQD but little fault gouge with exception of locally crumbled core from 243 to 244 meters, reddish hematitic staining throughout, approx 2 to 2% disseminated py, localized 5 cm qtz-feldspar vn @ 242.4 meters @ 70 DTCA, tr sul, fractures predominantly oriented @ 50 to 60 DTCA	KL015772	242.00	243.00	1.00	0.06
			KL015773	243.00	244.00	1.00	0.00
			KL015774	244.00	245.00	1.00	0.01
			KL015775	245.00	246.00	1.00	0.01
			KL015776	246.00	247.00	1.00	0.01
			KL015777	247.00	248.00	1.00	0.01
			KL015778	248.00	249.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
249.00	263.80	BaM, Melkior - Basalt; fine grained; massive dark grey-green, massive, fine grained, chloritic, locally potassic, pervasive carbonatization, scattered qtz-carb vnt' and sts subparallel to CA, approx 2 to 3% finely disseminated py	KL015779	249.00	250.00	1.00	0.01
			KL015781	250.00	251.00	1.00	0.00
			KL015782	251.00	252.00	1.00	0.00
			KL015783	252.00	253.00	1.00	0.00
			KL015784	253.00	254.00	1.00	0.00
			KL015785	254.00	255.00	1.00	0.00
			KL015786	255.00	256.00	1.00	0.00
			KL015787	256.00	257.00	1.00	0.00
			KL015788	257.00	258.00	1.00	0.00
			KL015789	258.00	259.00	1.00	0.00
			KL015791	259.00	260.00	1.00	0.00
			KL015792	260.00	261.00	1.00	0.01
			KL015793	261.00	262.00	1.00	0.00
			KL015794	262.00	263.00	1.00	0.01
		KL015795	263.00	263.80	0.80	0.00	
263.80	274.70	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange, medium grained, potassic, silicified, slightly hematitic, speckled with chloritic flakes and mottled with tightly packed albitic phenocrysts, approx 1 to 2% disseminated py, shp HW and FW ct' @ 40 and 60 DTCA respectively	KL015796	263.80	264.70	0.90	0.00
			KL015797	264.70	265.50	0.80	0.00
			KL015798	265.50	266.00	0.50	0.01
			KL015799	266.00	267.00	1.00	0.01
			KL015801	267.00	268.00	1.00	0.03
			KL015802	268.00	269.00	1.00	0.01
			KL015803	269.00	270.00	1.00	0.01
			KL015804	270.00	271.00	1.00	0.01
			KL015805	271.00	272.00	1.00	0.01
			KL015806	272.00	273.00	1.00	0.01
			KL015807	273.00	273.50	0.50	0.00
		KL015808	273.50	274.40	0.90	0.01	
		KL015809	274.40	275.00	0.60	0.02	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
274.70	366.00	<p>BaM, Melkior - Basalt; fine grained; massive</p> <p>dark grey-green, fine grained, massive, chloritic, pervasive carbonatization, locally sericitic, patchy diffuse potassic granodioritic fragments throughout unit, approx 2 to 3% disseminated py, from 274.4 to 274.7 approx 5 to 6% subhedral aggregates of py, from 277.4 to 278 blocky fractured core stained with hematite, fractures oriented @ 50 to 60 DTCA, @ 282.3 3 cm calcite vnt parallel to CA with patch of cpy, from 284 to 355 designated as "Upper Zone", @ 284.7 2 1 cm carb sts @ 40 DTCA with 6 to 7% subhedral aggregates of py, @ 286.3 3 1 cm carb sts @ 50 DTCA with 8 to 10% subhedral aggregates of py, from 290.9 to 294.3 reddish orange potassic, hematitic and sericitic alteration zone, blocky core, speckled with chloritic flakes, microfractures infilled with chlorite, approx 2 to 3% disseminated py, @ 297.6 2 cm qtz-ankerite vnt @ 40 DTCA rimmed with 6 to 7% disseminated py and occurring within sericitic alteration halo, @ 305.6 3 cm band of epidotitic alteration perpendicular to CA, tr sul, from 313.3 to 324.8, reddish hue, pervasive hematitic alteration zone with scattered qtz-ankerite vn' @ 30 to 70 DTCA, @ 314.5 and 314.9 2 4 cm qtz vnt' @ 30 DTCA within hematitic alteration zone with 3 to 4% disseminated py throughout wallrock, @ 317.7 3 cm qtz-ank vn @ 50 DTCA rimmed with 12 to 15% subhedral aggregates of py, @ 321.3 2 1 cm carb sts @ 50 DTCA with 8 to 10% subhedral py aggregates, from 326.7 to 326.9 20 cm orange qtz-feldspar vn with potassic and hematitic alteration and approx 3 to 4% scattered subhedral py, from 331.2 to 332.9 fault zone with blocky and fractured core, fractures @ 40 to 50 DTCA, @ 334.35 microfracture infilled with 4 to 5% subhedral py, @ 335.6 microfracture infilled with 6 to 7% subhedral py @ 50 DTCA, from 337.5 to 339 series of coarse subhedral py occupying fractures notably @ 337.7, 337.8, 338.0, 338.2, 338.6 and 338.8 meters fractures oriented @ 40 to 50 DTCA, approx 12 to 15% py from 337.5 to 337.9 meters, FROM 343.4 TO 343.7 30 cm brecciated qtz-feldspar vn @ 50 DTCA with 1 to 2% subhedral py, from 354.3 to 354.5 20 cm brecciated qtz-feldspar vn with potassic alteration and approx 12 to 15% disseminated and subhedral py localized at vn FW ct, HW and FW ct' @ 70 and 50 DTCA respectively, from 363.75 to 363.85 10 cm qtz vn speckled with hematite and chlorite @ 70 DTCA, approx 1 to 2% disseminated py, @ 364.2 10 cm qtz-crnb vn with pink calcite @ 30 DTCA, fractured FW ct, tr sul</p>	KL015811	275.00	276.00	1.00	0.01	
				KL015812	276.00	277.00	1.00	0.00
				KL015813	277.00	278.00	1.00	0.00
				KL015814	278.00	279.00	1.00	0.01
				KL015815	279.00	280.00	1.00	0.01
				KL009953	280.00	280.50	0.50	0.01
				KL015816	280.00	281.00	1.00	0.06
				KL015817	281.00	282.00	1.00	0.00
				KL015818	282.00	282.50	0.50	0.01
				KL015819	282.50	283.00	0.50	0.00
				KL015821	283.00	284.00	1.00	0.00
				KL015822	284.00	284.50	0.50	0.00
				KL015823	284.50	285.00	0.50	0.10
				KL015824	285.00	286.00	1.00	0.00
				KL015825	286.00	286.50	0.50	0.31
				KL015826	286.50	287.00	0.50	0.01
				KL015827	287.00	288.00	1.00	0.00
				KL015828	288.00	289.00	1.00	0.01
				KL015829	289.00	290.00	1.00	0.00
				KL015831	290.00	290.70	0.70	0.01
				KL015832	290.70	292.00	1.30	0.03
				KL015833	292.00	293.00	1.00	0.00
				KL015834	293.00	294.00	1.00	0.01
				KL015835	294.00	295.00	1.00	0.04
				KL015836	295.00	296.00	1.00	0.07
				KL015837	296.00	297.00	1.00	0.01
				KL015838	297.00	297.50	0.50	0.00
				KL015839	297.50	298.00	0.50	0.01
				KL015841	298.00	298.50	0.50	0.16
				KL015842	298.50	299.00	0.50	0.00
			KL015843	299.00	300.00	1.00	0.00	
			KL015844	300.00	301.00	1.00	0.00	
			KL015845	301.00	302.00	1.00	0.00	
			KL015846	302.00	303.00	1.00	0.00	
			KL015847	303.00	304.00	1.00	0.00	
			KL015848	304.00	305.00	1.00	0.00	
			KL015849	305.00	306.00	1.00	0.01	
			KL015851	306.00	307.00	1.00	0.00	
			KL015852	307.00	308.00	1.00	0.05	
			KL015853	308.00	309.00	1.00	0.00	
			KL015854	309.00	310.00	1.00	0.00	
			KL015855	310.00	311.00	1.00	0.00	
			KL015856	311.00	312.00	1.00	0.00	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL015857	312.00	313.00	1.00	0.00
			KL015858	313.00	313.50	0.50	0.00
			KL015859	313.50	314.00	0.50	0.00
			KL015861	314.00	315.00	1.00	0.00
			KL015862	315.00	316.00	1.00	0.00
			KL015863	316.00	317.00	1.00	0.00
			KL015864	317.00	317.50	0.50	0.00
			KL015865	317.50	318.00	0.50	0.20
			KL015866	318.00	319.00	1.00	0.00
			KL015867	319.00	320.00	1.00	0.00
			KL015868	320.00	321.00	1.00	0.00
			KL015869	321.00	322.00	1.00	0.16
			KL015871	322.00	323.00	1.00	0.02
			KL015872	323.00	324.00	1.00	0.02
			KL015873	324.00	325.00	1.00	0.01
			KL015874	325.00	326.00	1.00	0.02
			KL015875	326.00	326.50	0.50	0.00
			KL015876	326.50	327.00	0.50	0.00
			KL015877	327.00	328.00	1.00	0.00
			KL015878	328.00	328.50	0.50	0.00
			KL015879	328.50	329.00	0.50	0.00
			KL015881	329.00	330.00	1.00	0.01
			KL015882	330.00	331.00	1.00	0.00
			KL015883	331.00	332.00	1.00	0.01
			KL015884	332.00	333.00	1.00	0.00
			KL015885	333.00	334.00	1.00	0.00
			KL015886	334.00	335.00	1.00	0.01
			KL015887	335.00	335.50	0.50	0.01
			KL015888	335.50	336.00	0.50	0.01
			KL015889	336.00	336.50	0.50	0.01
			KL015891	336.50	337.00	0.50	0.01
			KL015892	337.00	337.50	0.50	0.01
			KL015893	337.50	338.00	0.50	0.23
			KL015894	338.00	338.50	0.50	0.42
			KL015895	338.50	339.00	0.50	0.95
			KL015896	339.00	340.00	1.00	0.01
			KL015897	340.00	341.00	1.00	0.01
			KL015898	341.00	342.00	1.00	0.03
			KL015899	342.00	343.00	1.00	0.32
			KL015901	343.00	344.00	1.00	0.01
			KL015902	344.00	345.00	1.00	0.03
			KL015903	345.00	346.00	1.00	0.01
			KL015904	346.00	347.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL015905	347.00	348.00	1.00	0.00
			KL015906	348.00	349.00	1.00	0.01
			KL015907	349.00	350.00	1.00	0.00
			KL015908	350.00	351.00	1.00	0.01
			KL015909	351.00	352.00	1.00	0.01
			KL015911	352.00	353.00	1.00	0.01
			KL015912	353.00	354.00	1.00	0.00
			KL015913	354.00	354.50	0.50	0.00
			KL015914	354.50	355.00	0.50	0.60
			KL015915	355.00	356.00	1.00	0.01
			KL015916	356.00	357.00	1.00	0.01
			KL015917	357.00	358.00	1.00	0.00
			KL015918	358.00	359.00	1.00	0.00
			KL015919	359.00	360.00	1.00	0.00
			KL015921	360.00	361.00	1.00	0.00
			KL015922	361.00	362.00	1.00	0.00
			KL015923	362.00	363.00	1.00	0.00
			KL015924	363.00	364.00	1.00	0.00
			KL015925	364.00	365.00	1.00	0.01
			KL015926	365.00	366.00	1.00	0.01
366.00	366.80	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange, medium grained, potassic, slightly hematitic and silicified, speckled with chloritic flakes, approx 1 to 2% disseminated py, shp HW and FW ct' @ 40 DTCA	KL015927	366.00	366.80	0.80	0.03
366.80	381.20	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, pervasive carbonatization, localized qtz-calcite infilled tension gashes @ 50 to 70 DTCA, massive, from 371 to 372.6 light grey felsic slightly sheared section with silicification, sericitization, moderately foliated with foliation @ 50 DTCA, microfractures parallel to foliation and infilled with chlorite, approx 3 to 4% disseminated py, shp FW ct @ 40 DTCA	KL015928	366.80	368.00	1.20	0.01
			KL015929	368.00	369.00	1.00	0.01
			KL015931	369.00	370.00	1.00	0.01
			KL015932	370.00	371.00	1.00	0.00
			KL015933	371.00	372.00	1.00	0.00
			KL015934	372.00	373.00	1.00	0.01
			KL015935	373.00	374.00	1.00	0.01
			KL015936	374.00	375.00	1.00	0.00
			KL015937	375.00	376.00	1.00	0.01
			KL015938	376.00	377.00	1.00	0.01
			KL015939	377.00	378.00	1.00	0.01
			KL015941	378.00	379.00	1.00	0.01
			KL015942	379.00	380.00	1.00	0.02
			KL015943	380.00	381.20	1.20	0.01

DETAILED LOGHole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
381.20	390.20	GAB, Gabbro light yellow-green, interstitial plagioclase and pyroxene, sericitic, chloritic, massive, moderately foliated with foliation @ 50 DTCA, approx 2 to 3% disseminated py localized along chloritic infilled fractures parallel to foliation, shp FW ct @ 50 DTCA, @ 388.8 5 cm grey qtz vn with approx 25 to 30% subhedral aggregates of py, HW and FW ct' @ 60 and 30 DTCA respectively, fw ct fractured @ 30 DTCA	KL015944	381.20	382.00	0.80	0.01
			KL015945	382.00	383.00	1.00	0.01
			KL015946	383.00	384.00	1.00	0.00
			KL015947	384.00	385.00	1.00	0.03
			KL015948	385.00	386.00	1.00	0.00
			KL015949	386.00	387.00	1.00	0.00
			KL015951	387.00	388.00	1.00	0.00
			KL015952	388.00	388.50	0.50	0.00
			KL015953	388.50	389.00	0.50	6.38
			KL015954	389.00	390.00	1.00	0.05
		KL015955	390.00	391.00	1.00	0.00	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
390.20	458.80	BaFBx, Melkior - Basalt Flow Breccia grey-green, fine to medium grained, chloritic, carbonaceous, epidotitic with epidotitic bands parallel to foliation @ 40 to 50 DTCA, from 389.55 to 390 orange qtz-feldspar potassic porphyry speckled with chlorite flakes with rafted mafic wallrock and approx 5 to 6% disseminated py within rafted mafics and localized @ FW ct, HW and FW ct' @ 50 and 40 DTCA respectively, from 407.3 to 407.9 orange potassic granodioritic dike with late crosscutting qtz vnt @ 70 DTCA with 8 to 10% subhedral aggregates of py, shp HW and FW ct' @ 20 and 80 DTCA, @ 410.5 3 cm carbonate vnt @ 30 DTCA with 3 to 4% disseminated py throughout surrounding wallrock, from 424 to 425 mineralized zone comprised of carb infilled vnt' up to 4 cm in width with approx 8 to 10% subhedral py py localized within vnt' @ 50 to 70 DTCA notably @ 424.25, 424.7 and 424.9 meters, from 438.1 to 438.3 20 cm orange granodioritic dike @ 50 DTCA with approx 1 to 2% disseminated py, from 442.3 to 442.7 pinkish hematitic and potassic porphyritic dike with HW and FW ct' @ 70 and 50 DTCA respectively, tr sul, from 450 to 458.8 flowy brecciated textures with localized sericitized hyaloclastite, blocky and fractured core from 456 to 457.6 meters, possible fault zone, fractures subparallel to CA, tr sul, shp FW ct @ 70 DTCA, f	KL015956	391.00	392.00	1.00	0.00
			KL015957	392.00	393.00	1.00	0.00
			KL015958	393.00	394.00	1.00	0.00
			KL015959	394.00	395.00	1.00	0.00
			KL015961	395.00	396.00	1.00	0.00
			KL015962	396.00	397.00	1.00	0.00
			KL015963	397.00	398.00	1.00	0.00
			KL015964	398.00	399.00	1.00	0.01
			KL015965	399.00	400.00	1.00	0.00
			KL015966	400.00	401.00	1.00	0.00
			KL015967	401.00	402.00	1.00	0.00
			KL009954	402.00	402.50	0.50	
			KL015968	402.00	403.00	1.00	0.00
			KL015969	403.00	404.00	1.00	0.00
			KL015971	404.00	405.00	1.00	0.00
			KL015972	405.00	406.00	1.00	0.00
			KL015973	406.00	406.50	0.50	0.00
			KL015974	406.50	407.30	0.80	0.00
			KL015975	407.30	407.90	0.60	0.01
			KL015976	407.90	409.00	1.10	0.00
			KL015977	409.00	410.00	1.00	0.00
			KL015978	410.00	411.00	1.00	0.00
			KL015979	411.00	412.00	1.00	0.00
			KL015981	412.00	413.00	1.00	0.00
			KL015982	413.00	414.00	1.00	0.00
			KL015983	414.00	415.00	1.00	0.02
			KL015984	415.00	416.00	1.00	0.00
			KL015985	416.00	417.00	1.00	0.01
			KL015986	417.00	418.00	1.00	0.00
			KL015987	418.00	419.00	1.00	0.00
			KL015988	419.00	420.00	1.00	0.00
			KL015989	420.00	421.00	1.00	0.00
		KL015991	421.00	422.00	1.00	0.01	
		KL015992	422.00	423.00	1.00	0.01	
		KL015993	423.00	424.00	1.00	0.00	
		KL015994	424.00	424.50	0.50	0.89	
		KL015995	424.50	425.00	0.50	3.13	
		KL015996	425.00	426.00	1.00	0.03	
		KL015997	426.00	427.00	1.00	0.01	
		KL015998	427.00	428.00	1.00	0.00	
		KL015999	428.00	429.00	1.00	0.00	
		KL016051	429.00	430.00	1.00	0.01	
		KL016052	430.00	431.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016053	431.00	432.00	1.00	0.00
			KL016054	432.00	433.00	1.00	0.01
			KL016055	433.00	434.00	1.00	0.01
			KL016056	434.00	435.00	1.00	0.00
			KL016057	435.00	435.50	0.50	0.05
			KL016058	435.50	436.00	0.50	0.01
			KL016059	436.00	437.00	1.00	0.01
			KL016061	437.00	438.00	1.00	0.01
			KL016062	438.00	439.00	1.00	0.01
			KL016063	439.00	440.00	1.00	0.01
			KL016064	440.00	441.00	1.00	0.01
			KL016065	441.00	442.00	1.00	0.01
			KL016066	442.00	443.00	1.00	0.00
			KL016067	443.00	444.00	1.00	0.00
			KL016068	444.00	445.00	1.00	0.00
			KL016069	445.00	446.00	1.00	0.00
			KL016071	446.00	447.00	1.00	0.00
			KL016072	447.00	448.00	1.00	0.01
			KL016073	448.00	449.00	1.00	0.01
			KL016074	449.00	450.00	1.00	0.01
			KL016075	450.00	451.00	1.00	0.01
			KL016076	451.00	452.00	1.00	0.00
			KL016077	452.00	453.00	1.00	0.01
			KL016078	453.00	454.00	1.00	0.01
			KL016079	454.00	455.00	1.00	0.00
			KL016081	455.00	456.00	1.00	0.00
			KL016082	456.00	457.00	1.00	0.00
			KL016083	457.00	458.00	1.00	0.00
			KL016084	458.00	458.80	0.80	0.00
458.80	460.20	GRD_EP, Granodiorite - Epidotized (Melkior)	KL016085	458.80	459.50	0.70	0.00
		light green, medium grained, epidotitic, slightly potassic proximal to HW ct, glomeroporphyritic texture, tr sul, irregular FW ct @ 80 DTCA	KL016086	459.50	460.20	0.70	0.00

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
460.20	543.00	BaFBx, Melkior - Basalt Flow Breccia dark grey-green, chloritic, locally sericitic, pervasive carbonatization, flowy texture, moderately foliated with foliation @ 40 DTCA, from 474 to 475.2 meters creamy white to pinkish albitic feldspar porphyritic dike with ct' @ 30 DTCA, microfractures infilled with chlorite, approx 1 to 2% disseminated py occupying fractures, from 478 to 478.3 pinkish albitic FP dike @ 50 DTCA, approx 1 to 2% disseminated py, from 479.1 to 479.3 pinkish slightly potassic and albitic dike @ 60 DTCA, approx 1 to 2% disseminated py occupying chloritic fractures, from 488.3 to 488.7 3 2 cm carbonate vnt' with 10 to 12% columnar subhedral aggregates of py localized within vnt', @ 495.4 5 cm buff dolomitic band @ 70 DTCA with 8 to 10% patchy subhedral py, @ 496.0 3 cm carbonate vnt @ 30 DTCA with 12 to 15% subhedral py, @ 497.7 2 1 cm carbonateinfilled fractures with 7 to 8% subhedral py, @ 499.1 2 cm qtz vnt @ 70 DTCA with 12 to 15% subhedral py, @ 500.05 2 cm pyritic vnt @ 60 DTCA with 12 to 15% coarse py, @ 503.1 2 cm carbonate vnt @ 50 DTCA with 8 to 10% coarse py, @ 506.4 2 cm carbonate veinlet @ 60 DTCA with 8 to 10% coarse py, @ 510.0 5 cm qtz-feldspar vn @ 50 DTCA with 55 to 60% coarse aggregates of subhedral py, rom 510.5 to 512.5 moderately sheared, more felsic with sericitic alteration, approx 5 to 6% patchy, blebby and puritic stringers parallel to foliation @ 70 to 50 DTCA, from 516.75 to 517 25 cm qv @ 50 DTCA rimmed with carbonate and sericite, approx 1 to 2% disseminated py, from 521 to 527 slightly reddish hue with patchy potassic and hematitic alteration, @ 530.8 contorted fracture parallel to CA infilled with approx 3 to 4% disseminated py, from 531 to 532.5 slightly purplish hue with dark green chlorite, approx 3 to 4% disseminated py, foliation @ 50 DTCA, from 543 to 544, blocky core, shp FW ct @ 40 DTCA	KL016087	460.20	461.00	0.80	0.01
			KL016088	461.00	462.00	1.00	0.00
			KL016089	462.00	463.00	1.00	0.00
			KL016091	463.00	464.00	1.00	0.00
			KL016092	464.00	465.00	1.00	0.00
			KL016093	465.00	466.00	1.00	0.00
			KL016094	466.00	467.00	1.00	0.00
			KL016095	467.00	468.00	1.00	0.01
			KL016096	468.00	469.00	1.00	0.00
			KL016097	469.00	470.00	1.00	0.00
			KL016098	470.00	471.00	1.00	0.00
			KL016099	471.00	472.00	1.00	0.00
			KL016101	472.00	473.00	1.00	0.00
			KL016102	473.00	474.00	1.00	0.02
			KL016103	474.00	475.00	1.00	0.00
			KL016104	475.00	476.00	1.00	0.00
			KL016105	476.00	477.00	1.00	0.00
			KL016106	477.00	478.00	1.00	0.00
			KL016107	478.00	479.00	1.00	0.00
			KL016108	479.00	480.00	1.00	0.00
			KL016109	480.00	481.00	1.00	0.02
			KL016111	481.00	482.00	1.00	0.00
			KL016112	482.00	483.00	1.00	0.00
			KL016113	483.00	484.00	1.00	0.00
			KL016114	484.00	485.00	1.00	0.00
			KL016115	485.00	486.00	1.00	0.00
			KL016116	486.00	487.00	1.00	0.00
			KL016117	487.00	488.00	1.00	0.00
			KL016118	488.00	488.50	0.50	0.37
			KL016119	488.50	489.00	0.50	2.22
			KL016121	489.00	490.00	1.00	0.03
			KL016122	490.00	491.00	1.00	0.00
			KL016123	491.00	492.00	1.00	0.00
			KL016124	492.00	493.00	1.00	0.00
		KL016125	493.00	494.00	1.00	0.00	
		KL016126	494.00	495.00	1.00	0.03	
		KL016127	495.00	495.50	0.50	0.24	
		KL016128	495.50	496.00	0.50	7.13	
		KL016129	496.00	496.50	0.50	0.01	
		KL016131	496.50	497.00	0.50	0.00	
		KL016132	497.00	497.50	0.50	0.00	
		KL016133	497.50	498.00	0.50	0.77	
		KL016134	498.00	499.00	1.00	0.00	

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016135	499.00	499.50	0.50	1.13
			KL016136	499.50	500.00	0.50	0.01
			KL016137	500.00	500.50	0.50	0.29
			KL016138	500.50	501.00	0.50	0.00
			KL016139	501.00	502.00	1.00	0.00
			KL016141	502.00	503.00	1.00	0.00
			KL016142	503.00	503.50	0.50	0.07
			KL016143	503.50	504.00	0.50	0.00
			KL016144	504.00	505.00	1.00	0.00
			KL016145	505.00	506.00	1.00	0.00
			KL016146	506.00	506.50	0.50	0.43
			KL016147	506.50	507.00	0.50	0.00
			KL016148	507.00	507.50	0.50	0.00
			KL016149	507.50	508.00	0.50	0.00
			KL016151	508.00	509.00	1.00	0.01
			KL016152	509.00	509.50	0.50	0.00
			KL016153	509.50	510.00	0.50	3.31
			KL016154	510.00	510.50	0.50	0.10
			KL016155	510.50	511.00	0.50	0.03
			KL016156	511.00	511.50	0.50	0.02
			KL016157	511.50	512.00	0.50	0.04
			KL016158	512.00	513.00	1.00	0.01
			KL016159	513.00	514.00	1.00	0.01
			KL016161	514.00	515.00	1.00	0.01
			KL016162	515.00	516.00	1.00	0.00
			KL016163	516.00	517.00	1.00	0.02
			KL016164	517.00	518.00	1.00	0.05
			KL016165	518.00	519.00	1.00	0.00
			KL016166	519.00	520.00	1.00	0.00
			KL016167	520.00	521.00	1.00	0.00
			KL016168	521.00	522.00	1.00	0.01
			KL016169	522.00	523.00	1.00	0.00
			KL016171	523.00	524.00	1.00	0.00
			KL016172	524.00	525.00	1.00	0.01
			KL009955	525.00	525.50	0.50	
			KL016173	525.00	526.00	1.00	0.00
			KL016174	526.00	527.00	1.00	0.01
			KL016175	527.00	528.00	1.00	0.02
			KL016176	528.00	529.00	1.00	0.02
			KL016177	529.00	530.00	1.00	0.03
			KL016178	530.00	531.00	1.00	0.02
			KL016179	531.00	532.00	1.00	0.05
			KL016181	532.00	533.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016182	533.00	534.00	1.00	0.00
			KL016183	534.00	535.00	1.00	0.00
			KL016184	535.00	536.00	1.00	0.00
			KL016185	536.00	537.00	1.00	0.00
			KL016186	537.00	538.00	1.00	0.00
			KL016187	538.00	539.00	1.00	0.00
			KL016188	539.00	540.00	1.00	0.00
			KL016189	540.00	541.00	1.00	0.00
			KL016191	541.00	542.00	1.00	0.00
			KL016192	542.00	543.00	1.00	0.00
543.00	544.00	QFP, QUARTZ FELDSPAR PORPHYRY light grey-green, medium grained, feldspathic, mottled with albitic phenocrysts, chloritic, sericitic, blocky fractured core with fractures subparallel to CA, tr sul	KL016193	543.00	544.00	1.00	0.00
544.00	551.30	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, pervasive carbonatization, locally potassic and slightly hematitic, massive, fine grained, from 546.6 to 548.0 fractured blocky core with fractures @ 40 DTCA, probable fault zone, scattered qtz-carb vnt' notably @ 550 @ 30 DTCA and 552.4 @ 60 DTCA both vnt' rimmed with carbonate and 3 cm in width, approx 1 to 2% disseminated py	KL016194	544.00	545.00	1.00	0.00
			KL016195	545.00	546.00	1.00	0.00
			KL016196	546.00	547.00	1.00	0.00
			KL016197	547.00	548.00	1.00	0.00
			KL016198	548.00	549.00	1.00	0.00
			KL016199	549.00	550.00	1.00	0.01
			KL016201	550.00	550.50	0.50	0.04
			KL016202	550.50	551.30	0.80	0.01
551.30	556.60	QFP, QUARTZ FELDSPAR PORPHYRY dark grey-green, chloritic, feldspathic, sericitic, mottled with albitic phenocrysts, massive and homogeneous, scattered qtz vnt' @ 40 to 60 DTCA, approx 2 to 3% scattered subhedral py, sheared, fractured FW ct @ 50 DTCA	KL016203	551.30	552.00	0.70	0.00
			KL016204	552.00	553.00	1.00	0.00
			KL016205	553.00	554.00	1.00	0.00
			KL016206	554.00	555.00	1.00	0.00
			KL016207	555.00	556.00	1.00	0.00
			KL016208	556.00	557.00	1.00	0.00
556.60	564.40	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, pervasive carbonatization, locally potassic and slightly hematitic, massive, fine grained, @ 561.3 3 cm fractured carbonate vnt @ 40 DTCA with approx 5 to 6% subhedral py occurring within microfractures in surrounding wallrock proximal to vnt, irregular FW ct @ 80 DTCA	KL016209	557.00	558.00	1.00	0.00
			KL016211	558.00	559.00	1.00	0.00
			KL016212	559.00	560.00	1.00	0.00
			KL016213	560.00	561.00	1.00	0.04
			KL016214	561.00	561.50	0.50	0.02
			KL016215	561.50	562.00	0.50	0.00
			KL016216	562.00	563.00	1.00	0.03
			KL016217	563.00	563.50	0.50	0.01
			KL016218	563.50	564.40	0.90	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
564.40	577.80	QFP, QUARTZ FELDSPAR PORPHYRY light green, sericitic, feldspathic, mottled with translucent qtz phenocrysts, scattered fractures throughout infilled with chlorite @ 40 to 50 DTCA, approx 3 to 4% disseminated py throughout unit, @ 571.0 meters microfracture infilled with 6 to 7% subhedral py, @ 575.8 3 cm qtz vn @ 40 DTCA with 1 to 2% disseminated py along ct', @ 573.5 2 cm grey qtz vnt @ 30 DTCA with 8 to 10% subhedral py shp FW ct @ 50 DTCA with 5 to 6% subhedral py localized proximal to FW ct	KL016219	564.40	565.00	0.60	0.00
			KL016221	565.00	566.00	1.00	0.01
			KL016222	566.00	567.00	1.00	0.00
			KL016223	567.00	568.00	1.00	0.01
			KL016224	568.00	569.00	1.00	0.02
			KL016225	569.00	570.00	1.00	0.01
			KL016226	570.00	570.50	0.50	0.00
			KL016227	570.50	571.00	0.50	0.41
			KL016228	571.00	572.00	1.00	0.01
			KL016229	572.00	573.00	1.00	0.02
			KL016231	573.00	573.50	0.50	0.67
			KL016232	573.50	574.00	0.50	0.03
			KL016233	574.00	575.00	1.00	0.01
			KL016234	575.00	575.50	0.50	0.02
			KL016235	575.50	576.00	0.50	0.01
			KL016236	576.00	577.00	1.00	0.00
		KL016237	577.00	577.80	0.80	0.02	

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
577.80	635.30	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, pervasive carbonatization, locally potassic and slightly hematitic, massive, fine grained, @ 593.8 microfracture subparallel to CA with 5 to 6% patchy subhedral py, from 598.8 to 599.1 30 cm quartz-feldspar vn @ 40 DTCA with 3 to 4% disseminated and subhedral py localized @ vn ct', from 599.6 to 600.0 meters 40 cm quartz-feldspar vn similar to previous vn subparallel to CA, approx 2 to 3% disseminated and blebby py localized along ct', @ 603.9 10 cm white qtz-feldspar vn with potassic patches and approx 6 to 7% patchy subhedral py, vn @ 50 DTCA, from 612.9 to 613.1 white 20 cm qtz-chlorite vn @ 40 DTCA with stylolites infilled with chlorite and approx 2 to 3% disseminated py throughout surrounding wallrock, @ 613.55 10 cm qtz-feldspar vn @ 50 DTCA with patchy potassic alteration and approx 3 to 4% disseminated py, from 615.7 to 616.4 medium grained feldspar porphyry mottled with albitic phenocrysts, potassic and sericitic, irregular gradational HW and FW ct' @ 70 DTCA, approx 1 to 2% disseminated py, from 621.8 to 621.95 7.5 cm white qtz vn with HW and FW ct' @ 70 and 40 DTCA within hematitic altered wallrock with approx 2 to 3% blebby py, @ 624.2 5 cm white qtz vnt @ 50 DTCA with 1 to 2% disseminated py localized along vn ct', shp FW ct @ 70 DTCA	KL016238	577.80	578.30	0.50	0.08
			KL016239	578.30	579.00	0.70	0.06
			KL016241	579.00	579.50	0.50	0.02
			KL016242	579.50	580.00	0.50	0.71
			KL016243	580.00	581.00	1.00	0.00
			KL016244	581.00	582.00	1.00	0.00
			KL016245	582.00	583.00	1.00	0.00
			KL016246	583.00	584.00	1.00	0.06
			KL016247	584.00	585.00	1.00	0.00
			KL016248	585.00	586.00	1.00	0.00
			KL016249	586.00	586.50	0.50	0.01
			KL016251	586.50	587.00	0.50	0.00
			KL016252	587.00	588.00	1.00	0.02
			KL016253	588.00	589.00	1.00	0.00
			KL016254	589.00	590.00	1.00	0.00
			KL016255	590.00	591.00	1.00	0.14
			KL016256	591.00	592.00	1.00	0.00
			KL016257	592.00	593.00	1.00	0.00
			KL016258	593.00	594.00	1.00	0.01
			KL016259	594.00	595.00	1.00	0.00
			KL016261	595.00	596.00	1.00	0.02
			KL016262	596.00	597.00	1.00	0.00
			KL016263	597.00	598.00	1.00	0.00
			KL016264	598.00	599.00	1.00	0.01
			KL016265	599.00	600.00	1.00	0.00
			KL016266	600.00	601.00	1.00	0.01
			KL016267	601.00	602.00	1.00	0.01
			KL016268	602.00	603.00	1.00	0.01
			KL016269	603.00	603.50	0.50	0.03
			KL016271	603.50	604.00	0.50	0.05
			KL016272	604.00	605.00	1.00	0.01
			KL009956	605.00	605.50	0.50	
			KL016273	605.00	606.00	1.00	0.02
			KL016274	606.00	607.00	1.00	0.01
			KL016275	607.00	608.00	1.00	0.01
			KL016276	608.00	609.00	1.00	0.01
			KL016277	609.00	610.00	1.00	0.00
			KL016278	610.00	611.00	1.00	0.00
			KL016279	611.00	612.00	1.00	0.01
			KL016281	612.00	612.50	0.50	0.01
			KL016282	612.50	613.10	0.60	0.04
			KL016283	613.10	614.00	0.90	0.01
			KL016284	614.00	615.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016285	615.00	615.70	0.70	0.00
			KL016286	615.70	616.40	0.70	0.00
			KL016287	616.40	617.00	0.60	0.00
			KL016288	617.00	618.00	1.00	0.00
			KL016289	618.00	619.00	1.00	0.00
			KL016291	619.00	620.00	1.00	0.01
			KL016292	620.00	621.00	1.00	0.00
			KL016293	621.00	622.00	1.00	0.01
			KL016294	622.00	623.00	1.00	0.04
			KL016295	623.00	624.00	1.00	0.00
			KL016296	624.00	625.00	1.00	0.01
			KL016297	625.00	626.00	1.00	0.00
			KL016298	626.00	627.00	1.00	0.01
			KL016299	627.00	628.00	1.00	0.00
			KL016301	628.00	629.00	1.00	0.01
			KL016302	629.00	630.00	1.00	0.01
			KL016303	630.00	631.00	1.00	0.01
			KL016304	631.00	632.00	1.00	0.00
			KL016305	632.00	633.00	1.00	0.00
			KL016306	633.00	634.00	1.00	0.01
			KL016307	634.00	634.50	0.50	0.00
			KL016308	634.50	635.30	0.80	0.03
635.30	639.90	BaFBx, Melkior - Basalt Flow Breccia	KL016309	635.30	636.00	0.70	0.01
		light green, chloritic, sericitic, brecciated hyaloclastite, strongly fractured, approx 1 to 2% disseminated py, gradational FW ct @ 80 DTCA	KL016311	636.00	637.00	1.00	0.01
			KL016312	637.00	638.00	1.00	0.00
			KL016313	638.00	639.00	1.00	0.01
			KL016314	639.00	639.90	0.90	0.01

DETAILED LOG

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
639.90	679.00	BaM, Melkior - Basalt; fine grained; massive SAA, dark green, chloritic, pervasive carbonatization, locally potassic and slightly hematitic, massive, fine grained, @ 646.8 2 cm vnt subparallel to CA with 12 to 15% subhedral aggregates of py, @ 655.8 5 cm semi-massive pyritic vn @ 40 DTCA within 15 cm pinkish qtz-feldspar vn @ 70 DTCA, approx 60 to 75% py, @ 662.0 3 cm qtz vnt @ 30 DTCA hosting approx 12 to 15% columnar aggregates of py, fom 671.6 to 671.8 qtz-feldspar vn @50 DTCA with 1 to 2% disseminated py localized at vn ct', @ 677.4 2 microfractures @ 50 DTCA with 8 to 10% subhedral aggregates of py, @ 677.7 10 cm qtz-feldspar-sericite vn @ 50 DTCA with approx 1 to 2% disseminated py throught surrounding wallrock, @ 680.1 2 cm cb vnt @ 30 DTCA with 8 to 10% subhedral clusters of py	KL016315	639.90	641.00	1.10	0.01
			KL016316	641.00	642.00	1.00	0.01
			KL016317	642.00	643.00	1.00	0.01
			KL016318	643.00	644.00	1.00	0.01
			KL016319	644.00	645.00	1.00	0.00
			KL016321	645.00	646.00	1.00	0.00
			KL016322	646.00	646.50	0.50	0.00
			KL016323	646.50	647.00	0.50	3.72
			KL016324	647.00	648.00	1.00	0.01
			KL016325	648.00	649.00	1.00	0.02
			KL016326	649.00	650.00	1.00	0.00
			KL016327	650.00	651.00	1.00	0.00
			KL016328	651.00	652.00	1.00	0.00
			KL016329	652.00	653.00	1.00	0.00
			KL016331	653.00	654.00	1.00	0.00
			KL016332	654.00	655.00	1.00	0.01
			KL016333	655.00	656.00	1.00	0.03
			KL016334	656.00	657.00	1.00	0.02
			KL016335	657.00	658.00	1.00	0.01
			KL016336	658.00	658.50	0.50	0.01
			KL016337	658.50	659.00	0.50	5.17
			KL016338	659.00	660.00	1.00	0.01
			KL016339	660.00	661.00	1.00	0.01
			KL016341	661.00	661.50	0.50	0.01
			KL016342	661.50	662.00	0.50	0.10
			KL016343	662.00	663.00	1.00	0.00
			KL016344	663.00	664.00	1.00	0.00
			KL016345	664.00	665.00	1.00	0.00
			KL016346	665.00	666.00	1.00	0.00
			KL016347	666.00	667.00	1.00	0.00
			KL016348	667.00	668.00	1.00	0.00
			KL016349	668.00	669.00	1.00	0.00
			KL016351	669.00	670.00	1.00	0.02
			KL016352	670.00	671.00	1.00	0.01
			KL016353	671.00	672.00	1.00	0.01
			KL016354	672.00	673.00	1.00	0.01
			KL016355	673.00	674.00	1.00	0.00
			KL016356	674.00	675.00	1.00	0.01
			KL016357	675.00	676.00	1.00	0.00
			KL016358	676.00	677.00	1.00	0.00
			KL016359	677.00	678.00	1.00	0.04
			KL016361	678.00	679.00	1.00	0.00

Hole Number: **CAR-21-17**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
679.00	702.00	BaFBx, Melkior - Basalt Flow Breccia ight green, chloritic, sericitic, brecciated hyaloclastite, patchy potassic alteration, moderately fractured, abundant fractures infilled with chlorite, approx 2 to 3% disseminated py, @ 695 5 cm carbonate vnt @ 50 DTCA with 2 to 3% disseminated and blebby py, @ 699.1 2 cm grey qtz-carbonate veinlet @ 60 DTCA with 7 to 8% subhedral py localized within vnt, EOH	KL016362	679.00	680.00	1.00	0.00
			KL016363	680.00	680.50	0.50	0.15
			KL016364	680.50	681.00	0.50	0.00
			KL016365	681.00	682.00	1.00	0.01
			KL016366	682.00	683.00	1.00	0.01
			KL016367	683.00	684.00	1.00	0.01
			KL016368	684.00	685.00	1.00	0.01
			KL016369	685.00	686.00	1.00	0.01
			KL016371	686.00	687.00	1.00	0.01
			KL016372	687.00	688.00	1.00	0.09
			KL016373	688.00	689.00	1.00	0.01
			KL016374	689.00	690.00	1.00	0.01
			KL016375	690.00	691.00	1.00	0.01
			KL016376	691.00	692.00	1.00	0.01
			KL016377	692.00	693.00	1.00	0.02
			KL016378	693.00	694.00	1.00	0.01
			KL016379	694.00	695.00	1.00	0.00
			KL016381	695.00	696.00	1.00	0.00
			KL016382	696.00	697.00	1.00	0.01
			KL016383	697.00	698.00	1.00	0.00
		KL016384	698.00	699.00	1.00	0.00	
		KL016385	699.00	700.00	1.00	0.10	
		KL016386	700.00	701.00	1.00	0.00	
		KL009957	701.00	701.50	0.50		
		KL016387	701.00	702.00	1.00	0.01	

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015501	6.00	7.00	0.0025
KL015502	7.00	8.00	0.0050
KL015503	8.00	9.00	0.0050
KL015504	9.00	10.00	0.0025
KL015505	10.00	11.00	0.0050
KL015506	11.00	12.00	0.0050
KL015507	12.00	13.00	0.0025
KL015508	13.00	14.00	0.0025
KL015509	14.00	15.00	0.0070
KL015511	15.00	16.00	0.0070
KL015512	16.00	17.00	0.0100
KL015513	17.00	18.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL015514	18.00	19.00	0.0090
KL015515	19.00	20.00	0.0050
KL015516	20.00	21.00	0.0050
KL015517	21.00	22.00	0.0090
KL015518	22.00	23.00	0.0070
KL015519	23.00	24.00	0.0050
KL015521	24.00	25.00	0.0080
KL015522	25.00	26.00	0.0090
KL015523	26.00	27.00	0.0050
KL015524	27.00	28.00	0.0025
KL015525	28.00	29.00	0.0025
KL015526	29.00	30.00	0.0025
KL015527	30.00	31.00	0.0090
KL015528	31.00	32.00	0.0025
KL015529	32.00	33.00	0.0025
KL015531	33.00	34.00	0.0025
KL015532	34.00	35.00	0.0025
KL015533	35.00	36.00	0.0025
KL015534	36.00	37.00	0.0025
KL015535	37.00	38.00	0.0050
KL015536	38.00	39.00	0.0050
KL015537	39.00	40.00	0.0025
KL015538	40.00	41.00	0.0050
KL015539	41.00	42.00	0.0050
KL015541	42.00	43.00	0.0060
KL015542	43.00	44.00	0.0025
KL015543	44.00	45.00	0.0060
KL015544	45.00	46.00	0.0025
KL015545	46.00	47.00	0.0025
KL015546	47.00	48.00	0.0100
KL015547	48.00	49.00	0.0025
KL015548	49.00	50.00	0.0025
KL015549	50.00	51.00	0.0080
KL015551	51.00	52.00	0.0090
KL015552	52.00	53.00	0.0060
KL015553	53.00	54.00	0.0080
KL015554	54.00	55.00	0.0100
KL015555	55.00	56.00	0.0130
KL015556	56.00	57.00	0.0060

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL015557	57.00	58.00	0.0025
KL015558	58.00	59.00	0.0025
KL015559	59.00	60.00	0.0050
KL015561	60.00	61.00	0.0060
KL015562	61.00	62.00	0.0025
KL015563	62.00	63.00	0.0060
KL015564	63.00	64.00	0.0070
KL015565	64.00	65.00	0.0025
KL015566	65.00	66.00	0.0070
KL015567	66.00	67.00	0.0025
KL015568	67.00	68.00	0.0025
KL015569	68.00	69.00	0.0025
KL015571	69.00	69.50	0.0025
KL015572	69.50	70.00	0.0025
KL015573	70.00	71.00	0.0050
KL015574	71.00	72.00	0.0025
KL015575	72.00	72.50	0.0025
KL015576	72.50	73.00	0.0025
KL015577	73.00	74.00	0.0110
KL015578	74.00	75.00	0.0060
KL015579	75.00	76.00	0.0025
KL015581	76.00	77.00	0.0080
KL015582	77.00	78.00	0.0025
KL015583	78.00	79.00	0.0050
KL015584	79.00	80.00	0.0025
KL015585	80.00	81.00	0.0025
KL015586	81.00	82.00	0.0025
KL015587	82.00	83.00	0.0070
KL015588	83.00	84.00	0.0050
KL015589	84.00	85.00	0.0090
KL015591	85.00	86.00	0.0070
KL015592	86.00	87.00	0.0070
KL015593	87.00	88.00	0.0080
KL015594	88.00	89.00	0.0025
KL015595	89.00	90.00	0.0050
KL015596	90.00	91.00	0.0025
KL015597	91.00	92.00	0.0025
KL015598	92.00	93.00	0.0050
KL015599	93.00	94.00	0.0050

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL015601	94.00	95.00	0.0025
KL015602	95.00	96.00	0.0050
KL015603	96.00	97.00	0.0025
KL015604	97.00	98.00	0.0025
KL015605	98.00	98.50	0.0260
KL015606	98.50	99.35	0.0060
KL015607	99.35	100.00	0.0170
KL015608	100.00	101.00	0.0025
KL015609	101.00	102.00	0.0060
KL015611	102.00	103.00	0.0025
KL015612	103.00	104.00	0.0050
KL015613	104.00	105.00	0.0025
KL015614	105.00	106.00	0.0100
KL015615	106.00	107.00	0.0025
KL015616	107.00	108.00	0.0025
KL015617	108.00	109.00	0.0025
KL015618	109.00	110.00	0.0025
KL015619	110.00	111.00	0.0025
KL015621	111.00	112.00	0.0180
KL015622	112.00	113.00	0.0025
KL015623	113.00	114.00	0.0025
KL015624	114.00	115.00	0.0025
KL015625	115.00	116.00	0.0050
KL015626	116.00	117.00	0.0800
KL015627	117.00	118.00	0.0060
KL015628	118.00	119.00	0.0025
KL015629	119.00	120.00	0.0025
KL015631	120.00	121.00	0.0025
KL015632	121.00	122.00	0.0025
KL015633	122.00	123.00	0.0025
KL015634	123.00	124.00	0.0060
KL015635	124.00	125.00	0.0025
KL015636	125.00	126.00	0.0025
KL015637	126.00	127.00	0.0210
KL015638	127.00	128.00	0.0025
KL015639	128.00	129.00	0.0025
KL015641	129.00	130.00	0.0025
KL015642	130.00	131.00	0.0230
KL015643	131.00	132.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015644	132.00	133.00	0.0025
KL015645	133.00	134.00	0.0025
KL015646	134.00	135.00	0.0025
KL015647	135.00	136.00	0.0025
KL015648	136.00	137.00	0.0025
KL015649	137.00	138.00	0.0025
KL015651	138.00	139.00	0.0090
KL015652	139.00	140.00	0.0025
KL015653	140.00	141.00	0.0110
KL015654	141.00	142.00	0.0060
KL015655	142.00	143.00	0.0025
KL015656	143.00	144.00	0.0025
KL015657	144.00	145.00	0.0060
KL015658	145.00	146.00	0.0025
KL015659	146.00	147.00	0.0090
KL015661	147.00	148.00	0.0080
KL015662	148.00	149.00	0.0025
KL015663	149.00	150.00	0.0025
KL015664	150.00	151.00	0.0025
KL015665	151.00	152.00	0.0240
KL015666	152.00	153.00	0.0025
KL015667	153.00	154.00	0.0025
KL015668	154.00	155.00	0.0025
KL015669	155.00	156.00	0.0025
KL015671	156.00	157.00	0.0025
KL015672	157.00	158.00	0.0025
KL015673	158.00	158.50	0.0025
KL015674	158.50	159.30	0.0025
KL015675	159.30	160.00	0.0025
KL015676	160.00	161.00	0.0025
KL015677	161.00	162.00	0.0180
KL015678	162.00	163.00	0.0025
KL015679	163.00	164.00	0.0025
KL015681	164.00	165.00	0.0025
KL015682	165.00	166.00	0.0025
KL015683	166.00	167.00	0.0050
KL015684	167.00	168.00	0.0025
KL015685	168.00	169.00	0.0060
KL015686	169.00	169.40	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015687	169.40	170.00	0.0060
KL015688	170.00	171.00	0.0025
KL015689	171.00	172.00	0.0025
KL015691	172.00	173.00	0.0025
KL015692	173.00	173.60	0.0025
KL015693	173.60	174.50	0.0025
KL015694	174.50	175.00	0.0025
KL015695	175.00	176.00	0.0025
KL015696	176.00	177.00	0.0025
KL015697	177.00	178.00	0.0025
KL015698	178.00	179.00	0.0025
KL015699	179.00	180.00	0.0025
KL015701	180.00	181.00	0.0025
KL015702	181.00	182.00	0.0025
KL015703	182.00	183.00	0.0025
KL015704	183.00	184.00	0.0025
KL015705	184.00	185.00	0.0025
KL015706	185.00	186.00	0.0025
KL015707	186.00	187.00	0.0025
KL015708	187.00	188.00	0.0025
KL015709	188.00	189.00	0.0025
KL015711	189.00	190.00	0.0025
KL015712	190.00	191.00	0.0025
KL015713	191.00	192.00	0.0025
KL015714	192.00	193.00	0.0025
KL015715	193.00	194.00	0.0025
KL015716	194.00	195.00	0.0110
KL015717	195.00	196.00	0.0025
KL015718	196.00	197.00	0.0050
KL015719	197.00	198.00	0.0025
KL015721	198.00	199.00	0.0025
KL015722	199.00	200.00	0.0025
KL015723	200.00	201.00	0.0025
KL015724	201.00	202.00	0.0025
KL015725	202.00	203.00	0.0025
KL015726	203.00	204.00	0.0025
KL015727	204.00	205.00	0.0025
KL015728	205.00	206.00	0.0025
KL015729	206.00	207.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015731	207.00	208.00	0.0025
KL015732	208.00	209.00	0.0025
KL015733	209.00	210.00	0.0025
KL015734	210.00	211.00	0.0025
KL015735	211.00	211.50	0.0025
KL015736	211.50	212.40	0.0025
KL015737	212.40	213.00	0.0025
KL015738	213.00	214.00	0.0025
KL015739	214.00	215.00	0.0025
KL015741	215.00	216.00	0.0025
KL015742	216.00	217.00	0.0025
KL015743	217.00	217.60	0.0025
KL015744	217.60	218.30	0.0025
KL015745	218.30	219.00	0.0025
KL015746	219.00	220.00	0.0025
KL015747	220.00	221.00	0.0025
KL015748	221.00	222.00	0.0025
KL015749	222.00	223.00	0.0025
KL015751	223.00	224.00	0.0025
KL015752	224.00	225.00	0.0025
KL015753	225.00	226.00	0.0025
KL015754	226.00	227.00	0.0025
KL015755	227.00	228.00	0.0025
KL015756	228.00	229.00	0.0025
KL015757	229.00	230.00	0.0025
KL015758	230.00	231.00	0.0025
KL015759	231.00	232.00	0.0025
KL015761	232.00	233.00	0.0370
KL015762	233.00	234.00	0.0025
KL015763	234.00	235.00	0.0025
KL015764	235.00	236.00	0.0025
KL015765	236.00	237.00	0.0025
KL015766	237.00	238.00	0.0025
KL015767	238.00	239.00	0.0025
KL015768	239.00	240.00	0.0025
KL015769	240.00	241.00	0.0830
KL015771	241.00	242.00	0.0025
KL015772	242.00	243.00	0.0590
KL015773	243.00	244.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015774	244.00	245.00	0.0120
KL015775	245.00	246.00	0.0110
KL015776	246.00	247.00	0.0090
KL015777	247.00	248.00	0.0100
KL015778	248.00	249.00	0.0100
KL015779	249.00	250.00	0.0120
KL015781	250.00	251.00	0.0025
KL015782	251.00	252.00	0.0025
KL015783	252.00	253.00	0.0025
KL015784	253.00	254.00	0.0025
KL015785	254.00	255.00	0.0025
KL015786	255.00	256.00	0.0025
KL015787	256.00	257.00	0.0025
KL015788	257.00	258.00	0.0025
KL015789	258.00	259.00	0.0025
KL015791	259.00	260.00	0.0025
KL015792	260.00	261.00	0.0080
KL015793	261.00	262.00	0.0025
KL015794	262.00	263.00	0.0060
KL015795	263.00	263.80	0.0025
KL015796	263.80	264.70	0.0025
KL015797	264.70	265.50	0.0025
KL015798	265.50	266.00	0.0070
KL015799	266.00	267.00	0.0130
KL015801	267.00	268.00	0.0300
KL015802	268.00	269.00	0.0050
KL015803	269.00	270.00	0.0090
KL015804	270.00	271.00	0.0110
KL015805	271.00	272.00	0.0080
KL015806	272.00	273.00	0.0070
KL015807	273.00	273.50	0.0025
KL015808	273.50	274.40	0.0080
KL015809	274.40	275.00	0.0190
KL015811	275.00	276.00	0.0070
KL015812	276.00	277.00	0.0025
KL015813	277.00	278.00	0.0025
KL015814	278.00	279.00	0.0090
KL015815	279.00	280.00	0.0050
KL015816	280.00	281.00	0.0620

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015817	281.00	282.00	0.0025
KL015818	282.00	282.50	0.0060
KL015819	282.50	283.00	0.0025
KL015821	283.00	284.00	0.0025
KL015822	284.00	284.50	0.0025
KL015823	284.50	285.00	0.0980
KL015824	285.00	286.00	0.0025
KL015825	286.00	286.50	0.3050
KL015826	286.50	287.00	0.0050
KL015827	287.00	288.00	0.0025
KL015828	288.00	289.00	0.0060
KL015829	289.00	290.00	0.0025
KL015831	290.00	290.70	0.0080
KL015832	290.70	292.00	0.0250
KL015833	292.00	293.00	0.0025
KL015834	293.00	294.00	0.0100
KL015835	294.00	295.00	0.0370
KL015836	295.00	296.00	0.0690
KL015837	296.00	297.00	0.0050
KL015838	297.00	297.50	0.0025
KL015839	297.50	298.00	0.0120
KL015841	298.00	298.50	0.1590
KL015842	298.50	299.00	0.0025
KL015843	299.00	300.00	0.0025
KL015844	300.00	301.00	0.0025
KL015845	301.00	302.00	0.0025
KL015846	302.00	303.00	0.0025
KL015847	303.00	304.00	0.0025
KL015848	304.00	305.00	0.0025
KL015849	305.00	306.00	0.0060
KL015851	306.00	307.00	0.0025
KL015852	307.00	308.00	0.0530
KL015853	308.00	309.00	0.0025
KL015854	309.00	310.00	0.0025
KL015855	310.00	311.00	0.0025
KL015856	311.00	312.00	0.0025
KL015857	312.00	313.00	0.0025
KL015858	313.00	313.50	0.0025
KL015859	313.50	314.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015861	314.00	315.00	0.0025
KL015862	315.00	316.00	0.0025
KL015863	316.00	317.00	0.0025
KL015864	317.00	317.50	0.0025
KL015865	317.50	318.00	0.1950
KL015866	318.00	319.00	0.0025
KL015867	319.00	320.00	0.0025
KL015868	320.00	321.00	0.0025
KL015869	321.00	322.00	0.1620
KL015871	322.00	323.00	0.0200
KL015872	323.00	324.00	0.0210
KL015873	324.00	325.00	0.0110
KL015874	325.00	326.00	0.0210
KL015875	326.00	326.50	0.0025
KL015876	326.50	327.00	0.0025
KL015877	327.00	328.00	0.0025
KL015878	328.00	328.50	0.0025
KL015879	328.50	329.00	0.0025
KL015881	329.00	330.00	0.0100
KL015882	330.00	331.00	0.0025
KL015883	331.00	332.00	0.0060
KL015884	332.00	333.00	0.0025
KL015885	333.00	334.00	0.0025
KL015886	334.00	335.00	0.0060
KL015887	335.00	335.50	0.0140
KL015888	335.50	336.00	0.0110
KL015889	336.00	336.50	0.0060
KL015891	336.50	337.00	0.0120
KL015892	337.00	337.50	0.0080
KL015893	337.50	338.00	0.2300
KL015894	338.00	338.50	0.4240
KL015895	338.50	339.00	0.9480
KL015896	339.00	340.00	0.0070
KL015897	340.00	341.00	0.0080
KL015898	341.00	342.00	0.0250
KL015899	342.00	343.00	0.3240
KL015901	343.00	344.00	0.0060
KL015902	344.00	345.00	0.0280
KL015903	345.00	346.00	0.0070

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015904	346.00	347.00	0.0025
KL015905	347.00	348.00	0.0025
KL015906	348.00	349.00	0.0050
KL015907	349.00	350.00	0.0025
KL015908	350.00	351.00	0.0090
KL015909	351.00	352.00	0.0060
KL015911	352.00	353.00	0.0050
KL015912	353.00	354.00	0.0025
KL015913	354.00	354.50	0.0025
KL015914	354.50	355.00	0.5990
KL015915	355.00	356.00	0.0050
KL015916	356.00	357.00	0.0050
KL015917	357.00	358.00	0.0025
KL015918	358.00	359.00	0.0025
KL015919	359.00	360.00	0.0025
KL015921	360.00	361.00	0.0025
KL015922	361.00	362.00	0.0025
KL015923	362.00	363.00	0.0025
KL015924	363.00	364.00	0.0025
KL015925	364.00	365.00	0.0060
KL015926	365.00	366.00	0.0050
KL015927	366.00	366.80	0.0320
KL015928	366.80	368.00	0.0080
KL015929	368.00	369.00	0.0120
KL015931	369.00	370.00	0.0100
KL015932	370.00	371.00	0.0025
KL015933	371.00	372.00	0.0025
KL015934	372.00	373.00	0.0070
KL015935	373.00	374.00	0.0050
KL015936	374.00	375.00	0.0025
KL015937	375.00	376.00	0.0070
KL015938	376.00	377.00	0.0050
KL015939	377.00	378.00	0.0070
KL015941	378.00	379.00	0.0060
KL015942	379.00	380.00	0.0190
KL015943	380.00	381.20	0.0120
KL015944	381.20	382.00	0.0070
KL015945	382.00	383.00	0.0080
KL015946	383.00	384.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL015947	384.00	385.00	0.0270
KL015948	385.00	386.00	0.0025
KL015949	386.00	387.00	0.0025
KL015951	387.00	388.00	0.0025
KL015952	388.00	388.50	0.0025
KL015953	388.50	389.00	6.3800
KL015954	389.00	390.00	0.0490
KL015955	390.00	391.00	0.0025
KL015956	391.00	392.00	0.0025
KL015957	392.00	393.00	0.0025
KL015958	393.00	394.00	0.0025
KL015959	394.00	395.00	0.0025
KL015961	395.00	396.00	0.0025
KL015962	396.00	397.00	0.0025
KL015963	397.00	398.00	0.0025
KL015964	398.00	399.00	0.0060
KL015965	399.00	400.00	0.0025
KL015966	400.00	401.00	0.0025
KL015967	401.00	402.00	0.0025
KL015968	402.00	403.00	0.0025
KL015969	403.00	404.00	0.0025
KL015971	404.00	405.00	0.0025
KL015972	405.00	406.00	0.0025
KL015973	406.00	406.50	0.0025
KL015974	406.50	407.30	0.0025
KL015975	407.30	407.90	0.0050
KL015976	407.90	409.00	0.0025
KL015977	409.00	410.00	0.0025
KL015978	410.00	411.00	0.0025
KL015979	411.00	412.00	0.0025
KL015981	412.00	413.00	0.0025
KL015982	413.00	414.00	0.0025
KL015983	414.00	415.00	0.0190
KL015984	415.00	416.00	0.0025
KL015985	416.00	417.00	0.0140
KL015986	417.00	418.00	0.0025
KL015987	418.00	419.00	0.0025
KL015988	419.00	420.00	0.0025
KL015989	420.00	421.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL015991	421.00	422.00	0.0070
KL015992	422.00	423.00	0.0070
KL015993	423.00	424.00	0.0025
KL015994	424.00	424.50	0.8920
KL015995	424.50	425.00	3.1300
KL015996	425.00	426.00	0.0280
KL015997	426.00	427.00	0.0050
KL015998	427.00	428.00	0.0025
KL015999	428.00	429.00	0.0025
KL016051	429.00	430.00	0.0070
KL016052	430.00	431.00	0.0070
KL016053	431.00	432.00	0.0025
KL016054	432.00	433.00	0.0080
KL016055	433.00	434.00	0.0080
KL016056	434.00	435.00	0.0025
KL016057	435.00	435.50	0.0540
KL016058	435.50	436.00	0.0070
KL016059	436.00	437.00	0.0050
KL016061	437.00	438.00	0.0050
KL016062	438.00	439.00	0.0070
KL016063	439.00	440.00	0.0060
KL016064	440.00	441.00	0.0070
KL016065	441.00	442.00	0.0060
KL016066	442.00	443.00	0.0025
KL016067	443.00	444.00	0.0025
KL016068	444.00	445.00	0.0025
KL016069	445.00	446.00	0.0025
KL016071	446.00	447.00	0.0025
KL016072	447.00	448.00	0.0050
KL016073	448.00	449.00	0.0140
KL016074	449.00	450.00	0.0090
KL016075	450.00	451.00	0.0060
KL016076	451.00	452.00	0.0025
KL016077	452.00	453.00	0.0050
KL016078	453.00	454.00	0.0090
KL016079	454.00	455.00	0.0025
KL016081	455.00	456.00	0.0025
KL016082	456.00	457.00	0.0025
KL016083	457.00	458.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016084	458.00	458.80	0.0025
KL016085	458.80	459.50	0.0025
KL016086	459.50	460.20	0.0025
KL016087	460.20	461.00	0.0050
KL016088	461.00	462.00	0.0025
KL016089	462.00	463.00	0.0025
KL016091	463.00	464.00	0.0025
KL016092	464.00	465.00	0.0025
KL016093	465.00	466.00	0.0025
KL016094	466.00	467.00	0.0025
KL016095	467.00	468.00	0.0050
KL016096	468.00	469.00	0.0025
KL016097	469.00	470.00	0.0025
KL016098	470.00	471.00	0.0025
KL016099	471.00	472.00	0.0025
KL016101	472.00	473.00	0.0025
KL016102	473.00	474.00	0.0150
KL016103	474.00	475.00	0.0025
KL016104	475.00	476.00	0.0025
KL016105	476.00	477.00	0.0025
KL016106	477.00	478.00	0.0025
KL016107	478.00	479.00	0.0025
KL016108	479.00	480.00	0.0025
KL016109	480.00	481.00	0.0210
KL016111	481.00	482.00	0.0025
KL016112	482.00	483.00	0.0025
KL016113	483.00	484.00	0.0025
KL016114	484.00	485.00	0.0025
KL016115	485.00	486.00	0.0025
KL016116	486.00	487.00	0.0025
KL016117	487.00	488.00	0.0025
KL016118	488.00	488.50	0.3720
KL016119	488.50	489.00	2.2200
KL016121	489.00	490.00	0.0280
KL016122	490.00	491.00	0.0025
KL016123	491.00	492.00	0.0025
KL016124	492.00	493.00	0.0025
KL016125	493.00	494.00	0.0025
KL016126	494.00	495.00	0.0290

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016127	495.00	495.50	0.2440
KL016128	495.50	496.00	7.1300
KL016129	496.00	496.50	0.0120
KL016131	496.50	497.00	0.0025
KL016132	497.00	497.50	0.0025
KL016133	497.50	498.00	0.7680
KL016134	498.00	499.00	0.0025
KL016135	499.00	499.50	1.1300
KL016136	499.50	500.00	0.0050
KL016137	500.00	500.50	0.2890
KL016138	500.50	501.00	0.0025
KL016139	501.00	502.00	0.0025
KL016141	502.00	503.00	0.0025
KL016142	503.00	503.50	0.0680
KL016143	503.50	504.00	0.0025
KL016144	504.00	505.00	0.0025
KL016145	505.00	506.00	0.0025
KL016146	506.00	506.50	0.4330
KL016147	506.50	507.00	0.0025
KL016148	507.00	507.50	0.0025
KL016149	507.50	508.00	0.0025
KL016151	508.00	509.00	0.0050
KL016152	509.00	509.50	0.0025
KL016153	509.50	510.00	3.3100
KL016154	510.00	510.50	0.0990
KL016155	510.50	511.00	0.0320
KL016156	511.00	511.50	0.0180
KL016157	511.50	512.00	0.0430
KL016158	512.00	513.00	0.0070
KL016159	513.00	514.00	0.0140
KL016161	514.00	515.00	0.0120
KL016162	515.00	516.00	0.0025
KL016163	516.00	517.00	0.0180
KL016164	517.00	518.00	0.0500
KL016165	518.00	519.00	0.0025
KL016166	519.00	520.00	0.0025
KL016167	520.00	521.00	0.0025
KL016168	521.00	522.00	0.0120
KL016169	522.00	523.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016171	523.00	524.00	0.0025
KL016172	524.00	525.00	0.0090
KL016173	525.00	526.00	0.0025
KL016174	526.00	527.00	0.0080
KL016175	527.00	528.00	0.0170
KL016176	528.00	529.00	0.0150
KL016177	529.00	530.00	0.0300
KL016178	530.00	531.00	0.0190
KL016179	531.00	532.00	0.0480
KL016181	532.00	533.00	0.0120
KL016182	533.00	534.00	0.0025
KL016183	534.00	535.00	0.0025
KL016184	535.00	536.00	0.0025
KL016185	536.00	537.00	0.0025
KL016186	537.00	538.00	0.0025
KL016187	538.00	539.00	0.0025
KL016188	539.00	540.00	0.0025
KL016189	540.00	541.00	0.0025
KL016191	541.00	542.00	0.0025
KL016192	542.00	543.00	0.0025
KL016193	543.00	544.00	0.0025
KL016194	544.00	545.00	0.0025
KL016195	545.00	546.00	0.0025
KL016196	546.00	547.00	0.0025
KL016197	547.00	548.00	0.0025
KL016198	548.00	549.00	0.0025
KL016199	549.00	550.00	0.0050
KL016201	550.00	550.50	0.0350
KL016202	550.50	551.30	0.0050
KL016203	551.30	552.00	0.0025
KL016204	552.00	553.00	0.0025
KL016205	553.00	554.00	0.0025
KL016206	554.00	555.00	0.0025
KL016207	555.00	556.00	0.0025
KL016208	556.00	557.00	0.0025
KL016209	557.00	558.00	0.0025
KL016211	558.00	559.00	0.0025
KL016212	559.00	560.00	0.0025
KL016213	560.00	561.00	0.0360

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016214	561.00	561.50	0.0170
KL016215	561.50	562.00	0.0025
KL016216	562.00	563.00	0.0250
KL016217	563.00	563.50	0.0090
KL016218	563.50	564.40	0.0110
KL016219	564.40	565.00	0.0025
KL016221	565.00	566.00	0.0070
KL016222	566.00	567.00	0.0025
KL016223	567.00	568.00	0.0050
KL016224	568.00	569.00	0.0150
KL016225	569.00	570.00	0.0070
KL016226	570.00	570.50	0.0025
KL016227	570.50	571.00	0.4120
KL016228	571.00	572.00	0.0050
KL016229	572.00	573.00	0.0220
KL016231	573.00	573.50	0.6690
KL016232	573.50	574.00	0.0250
KL016233	574.00	575.00	0.0070
KL016234	575.00	575.50	0.0170
KL016235	575.50	576.00	0.0070
KL016236	576.00	577.00	0.0025
KL016237	577.00	577.80	0.0170
KL016238	577.80	578.30	0.0790
KL016239	578.30	579.00	0.0640
KL016241	579.00	579.50	0.0240
KL016242	579.50	580.00	0.7110
KL016243	580.00	581.00	0.0025
KL016244	581.00	582.00	0.0025
KL016245	582.00	583.00	0.0025
KL016246	583.00	584.00	0.0630
KL016247	584.00	585.00	0.0025
KL016248	585.00	586.00	0.0025
KL016249	586.00	586.50	0.0070
KL016251	586.50	587.00	0.0025
KL016252	587.00	588.00	0.0220
KL016253	588.00	589.00	0.0025
KL016254	589.00	590.00	0.0025
KL016255	590.00	591.00	0.1380
KL016256	591.00	592.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016257	592.00	593.00	0.0025
KL016258	593.00	594.00	0.0070
KL016259	594.00	595.00	0.0025
KL016261	595.00	596.00	0.0210
KL016262	596.00	597.00	0.0025
KL016263	597.00	598.00	0.0025
KL016264	598.00	599.00	0.0060
KL016265	599.00	600.00	0.0025
KL016266	600.00	601.00	0.0080
KL016267	601.00	602.00	0.0070
KL016268	602.00	603.00	0.0090
KL016269	603.00	603.50	0.0320
KL016271	603.50	604.00	0.0470
KL016272	604.00	605.00	0.0100
KL016273	605.00	606.00	0.0150
KL016274	606.00	607.00	0.0110
KL016275	607.00	608.00	0.0090
KL016276	608.00	609.00	0.0100
KL016277	609.00	610.00	0.0025
KL016278	610.00	611.00	0.0025
KL016279	611.00	612.00	0.0080
KL016281	612.00	612.50	0.0130
KL016282	612.50	613.10	0.0440
KL016283	613.10	614.00	0.0060
KL016284	614.00	615.00	0.0025
KL016285	615.00	615.70	0.0025
KL016286	615.70	616.40	0.0025
KL016287	616.40	617.00	0.0025
KL016288	617.00	618.00	0.0025
KL016289	618.00	619.00	0.0025
KL016291	619.00	620.00	0.0060
KL016292	620.00	621.00	0.0025
KL016293	621.00	622.00	0.0130
KL016294	622.00	623.00	0.0370
KL016295	623.00	624.00	0.0025
KL016296	624.00	625.00	0.0060
KL016297	625.00	626.00	0.0025
KL016298	626.00	627.00	0.0100
KL016299	627.00	628.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL016301	628.00	629.00	0.0050
KL016302	629.00	630.00	0.0070
KL016303	630.00	631.00	0.0090
KL016304	631.00	632.00	0.0025
KL016305	632.00	633.00	0.0025
KL016306	633.00	634.00	0.0060
KL016307	634.00	634.50	0.0025
KL016308	634.50	635.30	0.0280
KL016309	635.30	636.00	0.0050
KL016311	636.00	637.00	0.0050
KL016312	637.00	638.00	0.0025
KL016313	638.00	639.00	0.0050
KL016314	639.00	639.90	0.0120
KL016315	639.90	641.00	0.0050
KL016316	641.00	642.00	0.0050
KL016317	642.00	643.00	0.0090
KL016318	643.00	644.00	0.0050
KL016319	644.00	645.00	0.0025
KL016321	645.00	646.00	0.0025
KL016322	646.00	646.50	0.0025
KL016323	646.50	647.00	3.7200
KL016324	647.00	648.00	0.0100
KL016325	648.00	649.00	0.0230
KL016326	649.00	650.00	0.0025
KL016327	650.00	651.00	0.0025
KL016328	651.00	652.00	0.0025
KL016329	652.00	653.00	0.0025
KL016331	653.00	654.00	0.0025
KL016332	654.00	655.00	0.0130
KL016333	655.00	656.00	0.0270
KL016334	656.00	657.00	0.0190
KL016335	657.00	658.00	0.0060
KL016336	658.00	658.50	0.0060
KL016337	658.50	659.00	5.1700
KL016338	659.00	660.00	0.0120
KL016339	660.00	661.00	0.0080
KL016341	661.00	661.50	0.0050
KL016342	661.50	662.00	0.1030
KL016343	662.00	663.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016344	663.00	664.00	0.0025
KL016345	664.00	665.00	0.0025
KL016346	665.00	666.00	0.0025
KL016347	666.00	667.00	0.0025
KL016348	667.00	668.00	0.0025
KL016349	668.00	669.00	0.0025
KL016351	669.00	670.00	0.0190
KL016352	670.00	671.00	0.0050
KL016353	671.00	672.00	0.0070
KL016354	672.00	673.00	0.0120
KL016355	673.00	674.00	0.0025
KL016356	674.00	675.00	0.0050
KL016357	675.00	676.00	0.0025
KL016358	676.00	677.00	0.0025
KL016359	677.00	678.00	0.0350
KL016361	678.00	679.00	0.0025
KL016362	679.00	680.00	0.0025
KL016363	680.00	680.50	0.1490
KL016364	680.50	681.00	0.0025
KL016365	681.00	682.00	0.0060
KL016366	682.00	683.00	0.0060
KL016367	683.00	684.00	0.0080
KL016368	684.00	685.00	0.0070
KL016369	685.00	686.00	0.0070
KL016371	686.00	687.00	0.0100
KL016372	687.00	688.00	0.0910
KL016373	688.00	689.00	0.0090
KL016374	689.00	690.00	0.0070
KL016375	690.00	691.00	0.0080
KL016376	691.00	692.00	0.0070
KL016377	692.00	693.00	0.0200
KL016378	693.00	694.00	0.0080
KL016379	694.00	695.00	0.0025
KL016381	695.00	696.00	0.0025
KL016382	696.00	697.00	0.0060
KL016383	697.00	698.00	0.0025
KL016384	698.00	699.00	0.0025
KL016385	699.00	700.00	0.0950
KL016386	700.00	701.00	0.0025

Hole Number: **CAR-21-17**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL016387	701.00	702.00	0.0070
Sample Type ICP			
KL009951	98.00	98.50	0.0060
KL009952	197.00	197.50	0.0090
KL009953	280.00	280.50	0.0100
KL009954	402.00	402.50	
KL009955	525.00	525.50	
KL009956	605.00	605.50	
KL009957	701.00	701.50	

DETAILED LOG

Hole Number: **CAR-21-18**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -50.00
Project Number: MELKIOR	North: 5358714.00	North: 35756.93	Collar Az: 240.00
Location: Carscallen Township	East: 451632.00	East: -129668.62	Length: 414.00
	Elev: 340.00	Elev: 5040.00	Start Depth: 0.00
Date Started: Nov 01, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Nov 08, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-50.00	EZ Sho	OK		54.00	237.50	-47.70	EZ Sho	OK	
105.00	240.20	-47.30	EZ Sho	OK		156.00	239.80	-46.90	EZ Sho	OK	
207.00	238.60	-46.90	EZ Sho	OK		258.00	241.60	-46.20	EZ Sho	OK	
309.00	243.20	-45.70	EZ Sho	OK		360.00	244.80	-45.70	EZ Sho	OK	
411.00	243.40	-45.10	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	17.00	OVB, MELKIOR - Overburden					
17.00	37.70	BaFBx, Melkior - Basalt Flow Breccia dark grey-green, chloritic, broken blocky core comprised of clayey consolidated core, potassic granodioritic fragments, overburden, extremely poor RQD, tr sul					
37.70	40.70	QV, Quartz Vein greyish white, blocky fractured core quartzose with stylolites infilled with chlorite, approx 2 to 3% disseminated py, fractures @ 40 to 50 DTCA	KL016388	37.70	38.50	0.80	0.02
			KL016389	38.50	39.00	0.50	0.02
			KL016391	39.00	40.00	1.00	0.02
			KL016392	40.00	40.70	0.70	0.02
40.70	93.60	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, sericitic, weakly carbonaceous, moderately foliated with foliation @ 50 DTCA, brecciated localized hyaloclastite, from 46.4 to 47.2 creamy white granodioritic dike, silicified and weakly epidotitic with shp HW and FW ct' @ 70 DTCA, tr sul, @ 69.3 5 cm grey qtz vn @ 40 DTCA with 2 to 3% blebby po localized along vn ct', @ 74.1 patch of semi-massive po within epidotitic alteration halo, from 74.4 to 74.7 series of qtz-carb vnt' and patches up to 5 cm in width oriented @ 60 DTCA with 1 to 2% disseminated py, shp FW ct @ 40 DTCA	KL016393	69.00	69.50	0.50	0.02
			KL016394	69.50	70.00	0.50	0.02
			KL016395	74.00	74.50	0.50	0.02
			KL016396	74.50	75.00	0.50	0.02
			KL016397	75.00	76.00	1.00	0.02
			KL016398	79.00	80.00	1.00	0.02
			KL016399	80.00	81.00	1.00	0.02

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
93.60	112.50	BaM, Melkior - Basalt; fine grained; massive dark green, fine grained, chloritic, locally sericitic patches, abundant carbonate infilled tension gashes throughout, scattered granodioritic dikes, feldspathic dikes and qv' parallel to foliation @ 40 to 50 DTCA, generally massive texture, from 96.45 to 96.8 slightly potassic granodioritic dike @ 80 DTCA with approx 1 to 2% disseminated py, from 99.4 to 99.8 slightly potassic orange feldspar dike @ 40 DTCA with approx 1 to 2% disseminated py, @ 103.5 8 cm white qtz vn with chloritic angular wallrock xenoliths, approx 1 to 2% disseminated py localized along vn ct', irregular FW ct @ 80 DTCA	KL016401	95.00	96.00	1.00	0.01
			KL016402	96.00	97.00	1.00	0.01
			KL016403	97.00	98.00	1.00	0.01
			KL009958	97.50	98.00	0.50	0.01
			KL016404	98.00	99.00	1.00	0.02
			KL016405	99.00	100.00	1.00	0.01
			KL016406	103.00	104.00	1.00	0.01
			KL016407	104.00	105.00	1.00	0.01
			KL016408	105.00	106.00	1.00	0.01
		KL016409	106.00	107.00	1.00	0.01	
112.50	119.00	BaFBx, Melkior - Basalt Flow Breccia SAA, dark green, chloritic, sericitic, weakly carbonaceous, moderately foliated with foliation @ 50 DTCA, brecciated localized hyaloclastite, @ 116.4 5 cm white qtz vn rimmed with orange potassic alteration @ 30 DTCA, approx 1 to 2% disseminated py throughout surrounding wallrock, shp FW ct @ 30 DTCA	KL016411	114.00	115.00	1.00	0.02
			KL016412	115.00	116.00	1.00	0.02
			KL016413	116.00	117.00	1.00	0.02
			KL016414	117.00	118.00	1.00	0.02
			KL016415	118.00	119.00	1.00	0.02
119.00	134.40	BaM, Melkior - Basalt; fine grained; massive dark green, fine grained, chloritic, locally sericitic patches, abundant carbonate infilled tension gashes throughout, from 120 to 123 ladderlike abundance of carbonate infilled tension gashes predominantly oriented @ 50 to 60 DTCA, @ 120.8 5 cm patch of quartz with approx 4 to 5% patchy po, @ 125.5 5 cm grey qtz vn @ 60 DTCA with approx 5 to 6% patchy po, py, @ 125.7 3 cm qtz-carb vnt @ 70 DTCA with 5 to 6% patchy po,py, @ 127.2 subhedral cluster of approx 7 to 8% py within microfracture oriented @ 50 DTCA, @ 128 3 cm carbonate vnt @ 50 DTCA with microfaulting displacing vnt, approx 12 to 15% patchy py within vnt and within surrounding wallrock, @ 128.3 and 128.4 2 1 cm bands of approx 8 to 10% clusters of subhedral py @ 60 DTCA, fractured FW ct @ 70 DTCA	KL016416	119.00	120.00	1.00	0.01
			KL016417	120.00	120.50	0.50	0.04
			KL016418	120.50	121.00	0.50	0.71
			KL016419	121.00	122.00	1.00	0.01
			KL016421	122.00	123.00	1.00	0.01
			KL016422	123.00	124.00	1.00	0.00
			KL016423	124.00	125.00	1.00	0.00
			KL016424	125.00	125.50	0.50	0.01
			KL016425	125.50	126.00	0.50	8.70
			KL016426	126.00	127.00	1.00	0.01
			KL016427	127.00	127.50	0.50	0.02
			KL016428	127.50	128.00	0.50	0.01
			KL016429	128.00	128.50	0.50	0.02
			KL016431	128.50	129.00	0.50	0.00
			KL016432	129.00	130.00	1.00	0.01
			KL016433	130.00	131.00	1.00	0.00
			KL016434	131.00	132.00	1.00	0.00
		KL016435	132.00	133.00	1.00	0.00	
		KL016436	133.00	134.00	1.00	0.00	
		KL016437	134.00	134.70	0.70	0.00	

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
134.40	142.60	IV, Meklior - Intermediate to felsic volcanics light grey, siliceous, chloritic, feldspathic, moderately carbonatized massive mineralized zone comprised of 12 localities of segregated bands and qtz-carb carbonate vnt' with 10 to 12% clusters of subhedral columnar py varying in orientation from 50 to 70 DTCA notably @ 136, 136.1, 136.4, 137.4, 137.5, 137.6, 138.9 and 140.7 meters, shp FW ct @ 40 DTCA	KL016438	134.70	135.50	0.80	0.00
			KL016439	135.50	136.00	0.50	0.01
			KL016441	136.00	136.50	0.50	0.73
			KL016442	136.50	137.00	0.50	0.02
			KL016443	137.00	137.50	0.50	0.01
			KL016444	137.50	138.00	0.50	0.02
			KL016445	138.00	138.50	0.50	0.04
			KL016446	138.50	139.00	0.50	0.42
			KL016447	139.00	140.00	1.00	0.01
			KL016448	140.00	140.50	0.50	0.01
			KL016449	140.50	141.00	0.50	0.13
			KL016451	141.00	142.00	1.00	0.00
			KL016452	142.00	142.60	0.60	0.00
142.60	165.70	BaM, Melkior - Basalt; fine grained; massive dark grey-green, chloritic, pervasive carbonatization, abundant orange potassic granodioritic dikes and occasional qtz vn' rimmed with potassic alteration, @ 145.5 5 cm qtz vn perpendicular to CA with 12 to 15% subhedral py, from 145.7 to 145.8 10 cm orange potassic feldspar dike @ 70 DTCA, tr sul, @ 145.9 2 cm qtz vnt perpendicular to CA with 12 to 15% subhedral py, @ 147.8 2 cm contorted qtz-carb vnt perpendicular to CA with 25 to 30% subhedral py clusters, from 149.5 to 149.8 30 cm orange potassic feldspar dike with shp HW and FW ct' @ 60 and 30 DTCA respectively, @ 152.8 1 cm carb stringer @ 70 DTCA with 5 to 6% subhedral py, from 153.1 to 153.7 60 cm potassic granodioritic dike @ 70 DTCA, from 154.1 to 154.4 30 cm qtz-feldspar vn with orange patchy potassic alteration @ 50 dtca, tr sul, from 156.5 to 157.2 orange potassic granodioritic dike with HW and FW ct' @ 40 and 30 DTCA, from 159.16 to 159.36 orange potassic feldspar dike @ 50 DTCA, approx 2 to 3% blebby py throughout surrounding wallrock, @ 161.1 5 cm qtz-feldspar vn @ 30 DTCA rimmed with potassic and epidotitic alteration, tr sul	KL016453	142.60	143.10	0.50	0.00
			KL016454	143.10	143.60	0.50	0.01
			KL016455	143.60	144.10	0.50	0.01
			KL016456	144.10	145.00	0.90	0.01
			KL016457	145.00	145.50	0.50	0.03
			KL016458	145.50	146.00	0.50	0.02
			KL016459	146.00	147.00	1.00	0.01
			KL016461	147.00	147.50	0.50	0.01
			KL016462	147.50	148.00	0.50	0.10
			KL016463	148.00	149.00	1.00	0.01
			KL016464	149.00	150.00	1.00	0.02
			KL016465	150.00	151.00	1.00	0.02
			KL016466	151.00	151.50	0.50	0.02
			KL016467	151.50	152.00	0.50	0.03
			KL016468	152.00	152.50	0.50	0.03
			KL016469	152.50	153.00	0.50	0.03
			KL016471	153.00	154.00	1.00	0.03
			KL016472	154.00	155.00	1.00	0.03
			KL016473	155.00	156.00	1.00	0.03
			KL016474	156.00	157.00	1.00	0.03
		KL016475	157.00	158.00	1.00	0.03	
		KL016476	158.00	159.00	1.00	0.03	
		KL016477	159.00	160.00	1.00	0.03	
		KL016478	160.00	161.00	1.00	0.03	
		KL016479	161.00	162.00	1.00	0.03	
165.70	172.00	GAB, Gabbro light green, chloritic, slightly sericitic, medium grained, massive, homogeneous, comprised of interstitial sericitized plagioclase and pyroxenes, scattered orange potassic qtz-feldspar vn' subparallel to CA, approx 1 to 2% disseminated py, fractured FW ct @ 50 DTCA					

DETAILED LOGHole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
172.00	179.60	FV, Melkior - Felsic Volcanics light grey-green, siliceous, sericitic, chloritic, locally carbonaceous, flowy texture, moderately foliated with foliation @ 30 to 50 DTCA scattered qtz-carb vn' parallel to foliation, approx 2 to 3% disseminated py throughout unit, fractured FW ct @ 60 DTCA	KL016481	172.00	173.00	1.00	0.03
			KL016482	173.00	174.00	1.00	0.03
			KL016483	174.00	175.00	1.00	0.00
			KL016484	175.00	176.00	1.00	0.00
			KL016485	176.00	177.00	1.00	3.65
			KL016486	177.00	178.00	1.00	0.03
			KL016487	178.00	179.00	1.00	0.02
			KL016488	179.00	179.60	0.60	0.03
179.60	181.60	FZ, Fault Zone crumbled fractured and blocky core within felsic volcanics, fractures @ 50 to 60 DTCA, approx 1 to 2% disseminated py	KL016489	179.60	180.40	0.80	0.03
			KL016491	180.40	181.00	0.60	0.03
			KL016492	181.00	182.00	1.00	0.06

DETAILED LOG

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
181.60	254.20	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, fine grained, abundant qtz-carb infilled tension gashes notably from 187 to 191 with ladderlike arrangement of sts and vnt' predominantly oriented @ 50 to 70 DTCA, from 188.5 to 188.7 20 cm qtz-feldspar vn rimmed with potassic alteration @ 50 DTCA with 2 to 3% disseminated py throughout surrounding wallrock, from 191 to 195 approx 3 to 4% disseminated and blebby py throughout wallrock, from 199.7 to 199.9 orange potassic feldspar porphyritic dike with HW and FW ct' @ 60 and 40 DTCA, tr sul, @ 205.9 7 cm orange feldspar porphyritic dike @ 40 DTCA, from 207.9 to 208.3 40 cm qtz-carbonate-feldspar vn @ 80 DTCA with approx 25 to 30% columnar aggregates of semi-massive subhedral py between 208.1 to 208.2 meters, from 211.5 to 211.9 40 cm orange granodioritic dike @ 30 DTCA with 3 to 4% blebby subhedral py localized along vn ct', from 216.4 to 216.55 15 cm epidotitic granodioritic dike @ 70 DTCA, tr sul, from 218.24 to 218.54 30 cm oranke potassic granodioritic dike with HW and FW ct' @ 70 and 50 DTCA, approx 3 to 4% scattered subhedral py, from 220.9 to 221.4 gabbroic leucocratic dike with HW and FW ct' @ 40 and 70 DTCA, approx 1 to 2% disseminated py, 227 to 227.3 potassic possible gabbroic leucocratic dike @ 70 DTCA with 1 to 2% disseminated py, @ 233.5 3 cm boudinaged carbonate veinlet @ 30 DTCA with 1 to 2% disseminated py, from 234.7 to 235.1 creamy yellowish white albitic feldspar porphyritic dike @ 80 DTCA with 3 to 4% disseminated py localized along ct', from 239.75 to 240 creamy yellowish white albitic dike with HW and FW ct' @ 50 and 70 DTCA respectively approx 1 to 2% disseminated py, from 241.3 to 241.8 yellowish orange albitic and potassic porphyritic dike with shp HW and FW ct' @ 30 and 80 DTCA respectively, approx 1 to 2% disseminated py localized along ct', @ 243 3 cm carbonated veinlet @ 30 DTCA, tr sul, from 253.5 to 254 approx 4 to 5% scattered subhedral py within flowy mafic volcanics, irregular FW ct perpendicular to CA	KL016493	182.00	183.00	1.00	0.04
			KL016494	186.00	187.00	1.00	0.00
			KL016495	187.00	188.00	1.00	0.01
			KL016496	188.00	189.00	1.00	0.01
			KL016497	189.00	190.00	1.00	0.01
			KL016498	190.00	191.00	1.00	0.00
			KL016499	191.00	191.50	0.50	0.01
			KL016501	191.50	192.00	0.50	0.01
			KL016502	192.00	193.00	1.00	0.01
			KL016503	193.00	194.00	1.00	0.01
			KL016504	194.00	195.00	1.00	0.01
			KL016505	195.00	196.00	1.00	0.01
			KL016506	196.00	197.00	1.00	0.01
			KL016507	197.00	198.00	1.00	0.00
			KL016508	198.00	199.00	1.00	0.01
			KL016509	199.00	200.00	1.00	0.01
			KL009959	200.00	200.50	0.50	0.01
			KL016511	200.00	201.00	1.00	0.01
			KL016512	201.00	202.00	1.00	0.01
			KL016513	202.00	203.00	1.00	0.01
			KL016514	203.00	204.00	1.00	0.01
			KL016515	204.00	205.00	1.00	0.01
			KL016516	205.00	206.00	1.00	0.01
			KL016517	206.00	207.00	1.00	0.01
			KL016518	207.00	207.90	0.90	0.01
			KL016519	207.90	208.50	0.60	2.17
			KL016521	208.50	209.00	0.50	0.01
			KL016522	209.00	210.00	1.00	0.01
			KL016523	210.00	211.00	1.00	0.01
			KL016524	211.00	212.00	1.00	0.00
			KL016525	212.00	213.00	1.00	0.00
			KL016526	213.00	214.00	1.00	0.01
			KL016527	214.00	215.00	1.00	0.00
			KL016528	215.00	216.00	1.00	0.01
			KL016529	216.00	217.00	1.00	0.02
			KL016531	217.00	218.00	1.00	0.01
			KL016532	218.00	219.00	1.00	0.02
			KL016533	219.00	220.00	1.00	0.01
			KL016534	227.00	228.00	1.00	0.01
			KL016535	228.00	229.00	1.00	0.01
			KL016536	229.00	230.00	1.00	0.01
			KL016537	230.00	231.00	1.00	0.01
			KL016538	231.00	232.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
			KL016539	232.00	233.00	1.00	0.01
			KL016541	233.00	234.00	1.00	0.01
			KL016542	234.00	235.00	1.00	0.01
			KL016543	235.00	236.00	1.00	0.01
			KL016544	236.00	237.00	1.00	0.01
			KL016545	237.00	238.00	1.00	0.01
			KL016546	238.00	239.00	1.00	0.01
			KL016547	239.00	240.00	1.00	0.01
			KL016548	240.00	241.00	1.00	0.01
			KL016549	241.00	242.00	1.00	0.01
			KL016551	242.00	243.00	1.00	0.01
			KL016552	243.00	244.00	1.00	0.01
			KL016553	252.00	253.00	1.00	0.00
			KL016554	253.00	253.50	0.50	0.00
			KL016555	253.50	254.20	0.70	0.01
254.20	257.50	GAB, Gabbro light yellowish green, medium grained, chloritic, slightly potassic and sericitic, comprised of interstitial plagioclase and pyroxenes, sub ophitic texture, leucocratic, massive and homogeneous, scattered orange potassic patches, approx 1 to 2% disseminated py, irregular FW ct @ 70 DTCA,	KL016556	254.20	255.00	0.80	0.00
			KL016557	255.00	256.00	1.00	0.00
			KL016558	256.00	257.00	1.00	0.01
			KL016559	257.00	257.50	0.50	0.01
257.50	270.60	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, fine to medium grained, admixture of diffuse gabbroic sections intercalated with flowy mafic volcanics, scattered granodioritic clasts and dikes, scattered qtz-feldspar patches, approx 2 to 3% disseminated py, from 267.85 to 268.45 potassic and epidotitic granodioritic dike with irregular ct' @ 80 DTCA	KL016561	257.50	258.00	0.50	0.01
			KL016562	258.00	259.00	1.00	0.01
			KL016563	259.00	260.00	1.00	0.01
			KL016564	264.00	265.00	1.00	0.01
			KL016565	265.00	266.00	1.00	0.01
			KL016566	266.00	267.00	1.00	0.00
			KL016567	267.00	268.00	1.00	0.01
			KL016568	268.00	269.00	1.00	0.01
			KL016569	269.00	270.00	1.00	0.05
			KL016571	270.00	270.60	0.60	0.00
270.60	276.60	GAB, Gabbro dark grey green, light yellowish green, medium grained, chloritic, slightly potassic and sericitic, comprised of interstitial plagioclase and pyroxenes, sub ophitic texture, @ 272.7 3 cm orange qtz-potassic vein @ 30 DTCA with approx 1 to 2% disseminated py localized along vn ct', approx 2 to 3% disseminated py with stronger concentrations of sulphide proximal to CT' notably @ 276 meters, shp FW ct @ 40 DTCA	KL016572	270.60	271.10	0.50	0.01
			KL016573	271.10	272.00	0.90	0.01
			KL016574	272.00	273.00	1.00	0.01
			KL016575	273.00	274.00	1.00	0.01
			KL016576	274.00	275.00	1.00	0.01
			KL016577	275.00	276.00	1.00	0.01
			KL016578	276.00	276.60	0.60	0.01

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
276.60	286.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, chloritic, carbonated, abundant creamy white albitic feldspathic-qtz vn' notably from 278.7 to 278.9 meters @ 40 DTCA with approx 2 to 3% disseminated py, from 280.3 to 280.8 creamy white albitic dike @ 40 DTCA with approx 2 to 3% disseminated py, from 285.8 to 286.0 creamy white qtz-albite dike with irregular ct' @ 40 DTCA and approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA	KL016579	276.60	277.10	0.50	0.01
			KL016581	277.10	278.00	0.90	0.01
			KL016582	278.00	279.00	1.00	0.01
			KL016583	279.00	280.00	1.00	0.01
			KL016584	280.00	281.00	1.00	0.01
			KL016585	281.00	282.00	1.00	0.00
			KL016586	282.00	283.00	1.00	0.01
			KL016587	283.00	284.00	1.00	0.03
			KL016588	284.00	285.00	1.00	0.01
			KL016589	285.00	286.00	1.00	0.02
286.00	287.30	IF, Melkior - Iron Formation dark green, chloritic, locally sericitic, ankeritic with ankeritic alteration halos enveloping microfractures subparallel to CA, locally banded texture with strongly magnetic magnetite bands parallel to well developed foliation @ 70 DTCA, from 286.6 to 286.9 meters, approx 8 to 10% disseminated and subhedral py, shp FW ct @ 50 DTCA	KL016591	286.00	286.60	0.60	0.03
			KL016592	286.60	287.30	0.70	0.10
287.30	300.50	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, fine grained, massive, scattered orange potassic granodioritic clasts, weakly foliated with foliation @ 50 to 60 DTCA, approx 1 to 2% disseminated py, irregular FW ct @ 50 DTCA	KL016593	287.30	288.00	0.70	0.01
			KL016594	288.00	289.00	1.00	0.01
			KL016595	289.00	290.00	1.00	0.00
			KL016596	298.00	299.00	1.00	0.01
			KL016597	299.00	300.00	1.00	0.01
			KL009960	300.00	300.50	0.50	0.02
			KL016598	300.00	300.50	0.50	0.01
300.50	304.40	IV, Melkior - Intermediate to felsic volcanics light green to yellowish hue, chloritic, sericitic, ankeritic, silicified, slightly cherty texture, moderately foliated with foliation @ 30 to 40 DTCA, approx 3 to 4% scattered subhedral to euhedral py proximal to CT', approx 4 to 5% clusters of subhedral py occupying fractures @ 301.1 and 301.6 meters @ 40 DTCA, shp FW ct @ 30 DTCA	KL016599	300.50	301.00	0.50	0.03
			KL016601	301.00	302.00	1.00	0.01
			KL016602	302.00	303.00	1.00	0.01
			KL016603	303.00	304.00	1.00	0.01
			KL016604	304.00	304.50	0.50	0.01
304.40	309.40	QFP, QUARTZ FELDSPAR PORPHYRY light yellowish green, fine grained to aphanitic, silicified, sericitic, slightly potassic, locally chloritic, massive, fractures infilled with chlorite aligned parallel to weakly developed foliation @ 40 DTCA, approx 3 to 4% disseminated and scattered subhedral to euhedral py, shp FW ct @ 70 DTCA	KL016605	304.50	305.00	0.50	0.00
			KL016606	305.00	306.00	1.00	0.01
			KL016607	306.00	307.00	1.00	0.01
			KL016608	307.00	308.00	1.00	0.01
			KL016609	308.00	308.50	0.50	0.01
			KL016611	308.50	309.40	0.90	0.01
309.40	311.40	IV, Melkior - Intermediate to felsic volcanics SAA, light green to yellowish hue, chloritic, sericitic, ankeritic, silicified, slightly cherty texture, moderately foliated with foliation @ 30 to 40 DTCA, approx 3 to 4% scattered subhedral to euhedral py, appear to be transitional zones between porphyries, shp fractured FW ct @ 50 DTCA	KL016612	309.40	310.00	0.60	0.00
			KL016613	310.00	310.50	0.50	0.07
			KL016614	310.50	311.40	0.90	0.01

DETAILED LOGHole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
311.40	317.20	QFP, QUARTZ FELDSPAR PORPHYRY pinkish orange, fine grained to aphanitic, massive, homogeneous, potassic, siliceous, scattered qtz-chlorite vnt' subparallel to CA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA	KL016615	311.40	312.00	0.60	0.01
			KL016616	312.00	313.00	1.00	0.01
			KL016617	313.00	314.00	1.00	0.00
			KL016618	314.00	315.00	1.00	0.01
			KL016619	315.00	316.00	1.00	0.01
			KL016621	316.00	317.20	1.20	0.00

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
317.20	371.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, fine grained, massive, @ 327.8 2 cm carbonate vnt @ 50 DTCA with 12 to 15% clusters of subhedral py, @ 331.1 pyritic stringers within carbonate fractures @ 50 DTCA, approx 8 to 10% clusters of subhedral py, @ 334 1 cm qtz-carb stringer @ 30 DTCA with 8 to 10% subhedral py, from 338.2 to 340.0 admixture of orange potassic granodioritic dikes within calcitic cement with crackle breccia between 2 granodioritic dikes, approx 2 to 3% disseminated py, from 340.8 to 341 cracjke brecciated vein @ 30 DTCA with 2 to 3% disseminjated py, from 341.8 to 342 crackle breccia @ 30 DTCA with 1 to 2% disseminated py within surrounding wallrock, from 342 to 345 slightly vesicular and amygdaloidal texture with seicitic alteration envelopes surrounding amygdules, from 345 to 346 slightly purplish fine grained massive mafic dike with HW and FWW ct' @ 30 and 70 DTCA, approx 2 to 3% disseminated py locd @ dike FW ct, @ 355.9 2 cm carbonate vnt @ 50 DTCA with 7 to 8% patchy py, @ 357 2 sts of sulphide, approx 15 to 20% @ 70 DTCA, from 362.1 to 362.2 approx 8 to 10% disseminated and subhedral pyritic sts aligned parallel to foliation @ 50 DTCA with slightly hematitic alteration zone	KL016622	317.20	318.00	0.80	0.00
			KL016623	318.00	319.00	1.00	0.00
			KL016624	326.00	327.00	1.00	0.00
			KL016625	327.00	327.50	0.50	0.01
			KL016626	327.50	328.00	0.50	1.41
			KL016627	328.00	329.00	1.00	0.03
			KL016628	329.00	330.00	1.00	0.02
			KL016629	330.00	330.50	0.50	0.04
			KL016631	330.50	331.00	0.50	0.01
			KL016632	331.00	331.50	0.50	0.01
			KL016633	331.50	332.00	0.50	0.01
			KL016634	332.00	333.00	1.00	0.00
			KL016635	333.00	333.50	0.50	0.00
			KL016636	333.50	334.00	0.50	0.16
			KL016637	334.00	334.50	0.50	0.01
			KL016638	334.50	335.00	0.50	0.00
			KL016639	335.00	336.00	1.00	0.01
			KL016641	336.00	337.00	1.00	0.02
			KL016642	337.00	338.00	1.00	0.01
			KL016643	338.00	339.00	1.00	0.02
			KL016644	339.00	340.00	1.00	0.01
			KL016645	340.00	341.00	1.00	0.01
			KL016646	341.00	342.00	1.00	0.00
			KL016647	342.00	343.00	1.00	0.00
			KL016648	343.00	344.00	1.00	0.00
			KL016649	344.00	345.00	1.00	0.02
			KL016651	345.00	346.00	1.00	0.00
			KL016652	346.00	347.00	1.00	0.01
			KL016653	347.00	348.00	1.00	0.00
			KL016654	348.00	349.00	1.00	0.00
			KL016655	349.00	350.00	1.00	0.00
			KL016656	353.00	354.00	1.00	0.00
			KL016657	354.00	355.00	1.00	0.00
			KL016658	355.00	355.50	0.50	0.00
			KL016659	355.50	356.00	0.50	0.01
			KL016661	356.00	356.50	0.50	0.00
			KL016662	356.50	357.00	0.50	0.00
			KL016663	357.00	358.00	1.00	0.00
			KL016664	358.00	359.00	1.00	0.00
			KL016665	359.00	360.00	1.00	0.00
			KL016666	360.00	361.00	1.00	0.01
			KL016667	361.00	362.00	1.00	0.00
			KL016668	362.00	362.50	0.50	0.01

DETAILED LOGHole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016669	362.50	363.00	0.50	0.00
			KL016671	363.00	364.00	1.00	0.00
			KL016672	364.00	365.00	1.00	0.00
			KL009961	370.00	370.50	0.50	
371.00	373.00	FZ, Fault Zone dark green, chloritic, massive, strongly fractured and blocky core, fractures predominantly oriented @ 50 to 60 DTCA, approx 1 to 2% disseminated py					

DETAILED LOG

Hole Number: **CAR-21-18**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
373.00	414.00	BaM, Melkior - Basalt; fine grained; massive SAA, dark green, chloritic, carbonaceous, fine grained, massive, scattered pyritic qtz veins throughout, @ 376.2 3 cm pyritic vnt @ 30 DTCA with 25 to 30% semi-massive py, @ 384.7 4 cm grey qtz vnt perpendicular to CA with 12 to 15% band of semi-massive py perpendicular to CA, @ 385.7 10 cm white qtz vn @ 70 DTCA with 35 to 40% clusters of subhedral coarse py, @ 386.1 1 cm pyritic stringer @ 50 DTCA, 2 386.2 5 cm wtz vn @ 50 DTCA, with approx 4 to 5% disseminated py throughout surrounding wallrock, @ 386.7 8 cm qtz vn @ 40 DTCA, with 1 to 2% disseminated py, 394.8 8 cm orange feldspathic dike @ 40 DTCA, @ 402.7 10 cm orange-white qtz-feldspar vn rimmed with potassic alteration @ 30 DTCA, @ 403.1 15 cm white-orange qtz vn rimmed with potassic alteration @ 30 DTCA, approx 12 to 15% coarse subhedral py localized @ FW ct, EOH @ 414 meters	KL016673	373.00	374.00	1.00	0.02
			KL016674	374.00	375.00	1.00	0.03
			KL016675	375.00	375.50	0.50	0.00
			KL016676	375.50	376.00	0.50	0.01
			KL016677	376.00	376.50	0.50	6.39
			KL016678	376.50	377.00	0.50	0.02
			KL016679	377.00	378.00	1.00	0.02
			KL016681	378.00	379.00	1.00	0.01
			KL016682	379.00	380.00	1.00	0.00
			KL016683	380.00	381.00	1.00	0.01
			KL016684	381.00	382.00	1.00	0.01
			KL016685	382.00	383.00	1.00	0.00
			KL016686	383.00	384.00	1.00	0.01
			KL016687	384.00	384.50	0.50	0.01
			KL016688	384.50	385.00	0.50	1.03
			KL016689	385.00	385.50	0.50	0.01
			KL016691	385.50	386.00	0.50	19.60
			KL016692	386.00	386.50	0.50	0.03
			KL016693	386.50	387.00	0.50	0.01
			KL016694	387.00	388.00	1.00	0.00
			KL016695	388.00	389.00	1.00	0.00
			KL016696	389.00	390.00	1.00	0.01
			KL016697	390.00	391.00	1.00	0.00
			KL016698	391.00	392.00	1.00	0.00
			KL016699	392.00	393.00	1.00	0.00
			KL016701	393.00	394.00	1.00	0.01
			KL016702	394.00	395.00	1.00	0.00
			KL016703	395.00	396.00	1.00	0.00
			KL016704	396.00	397.00	1.00	0.00
			KL016705	397.00	398.00	1.00	0.00
			KL016706	398.00	399.00	1.00	0.02
			KL016707	399.00	400.00	1.00	0.01
			KL016708	400.00	401.00	1.00	0.00
			KL016709	401.00	402.00	1.00	0.00
			KL016711	402.00	402.50	0.50	0.01
			KL016712	402.50	403.00	0.50	0.05
			KL016713	403.00	403.50	0.50	0.02
			KL016714	403.50	404.00	0.50	0.01
			KL016715	404.00	405.00	1.00	0.01
			KL016716	405.00	406.00	1.00	0.01
			KL016717	406.00	407.00	1.00	0.01
			KL016718	407.00	408.00	1.00	0.00

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016388	37.70	38.50	0.0170
KL016389	38.50	39.00	0.0160
KL016391	39.00	40.00	0.0160
KL016392	40.00	40.70	0.0220
KL016393	69.00	69.50	0.0180
KL016394	69.50	70.00	0.0180
KL016395	74.00	74.50	0.0170
KL016396	74.50	75.00	0.0190
KL016397	75.00	76.00	0.0240
KL016398	79.00	80.00	0.0200
KL016399	80.00	81.00	0.0220
KL016401	95.00	96.00	0.0130
KL016402	96.00	97.00	0.0090
KL016403	97.00	98.00	0.0100
KL016404	98.00	99.00	0.0160
KL016405	99.00	100.00	0.0100
KL016406	103.00	104.00	0.0130
KL016407	104.00	105.00	0.0130
KL016408	105.00	106.00	0.0130
KL016409	106.00	107.00	0.0140
KL016411	114.00	115.00	0.0180
KL016412	115.00	116.00	0.0180
KL016413	116.00	117.00	0.0180
KL016414	117.00	118.00	0.0200
KL016415	118.00	119.00	0.0230
KL016416	119.00	120.00	0.0050
KL016417	120.00	120.50	0.0430
KL016418	120.50	121.00	0.7140
KL016419	121.00	122.00	0.0070
KL016421	122.00	123.00	0.0130
KL016422	123.00	124.00	0.0025
KL016423	124.00	125.00	0.0025
KL016424	125.00	125.50	0.0060
KL016425	125.50	126.00	8.7000
KL016426	126.00	127.00	0.0140
KL016427	127.00	127.50	0.0170
KL016428	127.50	128.00	0.0120
KL016429	128.00	128.50	0.0190
KL016431	128.50	129.00	0.0025

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016432	129.00	130.00	0.0050
KL016433	130.00	131.00	0.0025
KL016434	131.00	132.00	0.0025
KL016435	132.00	133.00	0.0025
KL016436	133.00	134.00	0.0025
KL016437	134.00	134.70	0.0025
KL016438	134.70	135.50	0.0025
KL016439	135.50	136.00	0.0050
KL016441	136.00	136.50	0.7260
KL016442	136.50	137.00	0.0210
KL016443	137.00	137.50	0.0110
KL016444	137.50	138.00	0.0180
KL016445	138.00	138.50	0.0360
KL016446	138.50	139.00	0.4220
KL016447	139.00	140.00	0.0080
KL016448	140.00	140.50	0.0070
KL016449	140.50	141.00	0.1280
KL016451	141.00	142.00	0.0025
KL016452	142.00	142.60	0.0025
KL016453	142.60	143.10	0.0025
KL016454	143.10	143.60	0.0110
KL016455	143.60	144.10	0.0050
KL016456	144.10	145.00	0.0070
KL016457	145.00	145.50	0.0290
KL016458	145.50	146.00	0.0200
KL016459	146.00	147.00	0.0060
KL016461	147.00	147.50	0.0110
KL016462	147.50	148.00	0.1010
KL016463	148.00	149.00	0.0060
KL016464	149.00	150.00	0.0210
KL016465	150.00	151.00	0.0230
KL016466	151.00	151.50	0.0240
KL016467	151.50	152.00	0.0260
KL016468	152.00	152.50	0.0250
KL016469	152.50	153.00	0.0260
KL016471	153.00	154.00	0.0250
KL016472	154.00	155.00	0.0250
KL016473	155.00	156.00	0.0270
KL016474	156.00	157.00	0.0260

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016475	157.00	158.00	0.0250
KL016476	158.00	159.00	0.0270
KL016477	159.00	160.00	0.0260
KL016478	160.00	161.00	0.0260
KL016479	161.00	162.00	0.0270
KL016481	172.00	173.00	0.0290
KL016482	173.00	174.00	0.0260
KL016483	174.00	175.00	0.0025
KL016484	175.00	176.00	0.0025
KL016485	176.00	177.00	3.6500
KL016486	177.00	178.00	0.0330
KL016487	178.00	179.00	0.0170
KL016488	179.00	179.60	0.0320
KL016489	179.60	180.40	0.0310
KL016491	180.40	181.00	0.0300
KL016492	181.00	182.00	0.0610
KL016493	182.00	183.00	0.0350
KL016494	186.00	187.00	0.0025
KL016495	187.00	188.00	0.0130
KL016496	188.00	189.00	0.0130
KL016497	189.00	190.00	0.0070
KL016498	190.00	191.00	0.0025
KL016499	191.00	191.50	0.0080
KL016501	191.50	192.00	0.0060
KL016502	192.00	193.00	0.0070
KL016503	193.00	194.00	0.0080
KL016504	194.00	195.00	0.0080
KL016505	195.00	196.00	0.0050
KL016506	196.00	197.00	0.0050
KL016507	197.00	198.00	0.0025
KL016508	198.00	199.00	0.0050
KL016509	199.00	200.00	0.0070
KL016511	200.00	201.00	0.0110
KL016512	201.00	202.00	0.0110
KL016513	202.00	203.00	0.0100
KL016514	203.00	204.00	0.0090
KL016515	204.00	205.00	0.0070
KL016516	205.00	206.00	0.0080
KL016517	206.00	207.00	0.0090

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016518	207.00	207.90	0.0130
KL016519	207.90	208.50	2.1700
KL016521	208.50	209.00	0.0050
KL016522	209.00	210.00	0.0060
KL016523	210.00	211.00	0.0070
KL016524	211.00	212.00	0.0025
KL016525	212.00	213.00	0.0025
KL016526	213.00	214.00	0.0060
KL016527	214.00	215.00	0.0025
KL016528	215.00	216.00	0.0060
KL016529	216.00	217.00	0.0150
KL016531	217.00	218.00	0.0110
KL016532	218.00	219.00	0.0180
KL016533	219.00	220.00	0.0100
KL016534	227.00	228.00	0.0090
KL016535	228.00	229.00	0.0100
KL016536	229.00	230.00	0.0080
KL016537	230.00	231.00	0.0080
KL016538	231.00	232.00	0.0100
KL016539	232.00	233.00	0.0090
KL016541	233.00	234.00	0.0110
KL016542	234.00	235.00	0.0100
KL016543	235.00	236.00	0.0080
KL016544	236.00	237.00	0.0090
KL016545	237.00	238.00	0.0090
KL016546	238.00	239.00	0.0090
KL016547	239.00	240.00	0.0100
KL016548	240.00	241.00	0.0090
KL016549	241.00	242.00	0.0100
KL016551	242.00	243.00	0.0080
KL016552	243.00	244.00	0.0070
KL016553	252.00	253.00	0.0025
KL016554	253.00	253.50	0.0025
KL016555	253.50	254.20	0.0140
KL016556	254.20	255.00	0.0025
KL016557	255.00	256.00	0.0025
KL016558	256.00	257.00	0.0080
KL016559	257.00	257.50	0.0050
KL016561	257.50	258.00	0.0060

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016562	258.00	259.00	0.0070
KL016563	259.00	260.00	0.0060
KL016564	264.00	265.00	0.0050
KL016565	265.00	266.00	0.0050
KL016566	266.00	267.00	0.0025
KL016567	267.00	268.00	0.0050
KL016568	268.00	269.00	0.0050
KL016569	269.00	270.00	0.0530
KL016571	270.00	270.60	0.0025
KL016572	270.60	271.10	0.0060
KL016573	271.10	272.00	0.0090
KL016574	272.00	273.00	0.0080
KL016575	273.00	274.00	0.0050
KL016576	274.00	275.00	0.0090
KL016577	275.00	276.00	0.0060
KL016578	276.00	276.60	0.0060
KL016579	276.60	277.10	0.0080
KL016581	277.10	278.00	0.0090
KL016582	278.00	279.00	0.0070
KL016583	279.00	280.00	0.0050
KL016584	280.00	281.00	0.0140
KL016585	281.00	282.00	0.0025
KL016586	282.00	283.00	0.0120
KL016587	283.00	284.00	0.0330
KL016588	284.00	285.00	0.0110
KL016589	285.00	286.00	0.0220
KL016591	286.00	286.60	0.0260
KL016592	286.60	287.30	0.1000
KL016593	287.30	288.00	0.0060
KL016594	288.00	289.00	0.0080
KL016595	289.00	290.00	0.0025
KL016596	298.00	299.00	0.0060
KL016597	299.00	300.00	0.0090
KL016598	300.00	300.50	0.0070
KL016599	300.50	301.00	0.0270
KL016601	301.00	302.00	0.0120
KL016602	302.00	303.00	0.0070
KL016603	303.00	304.00	0.0060
KL016604	304.00	304.50	0.0060

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016605	304.50	305.00	0.0025
KL016606	305.00	306.00	0.0140
KL016607	306.00	307.00	0.0070
KL016608	307.00	308.00	0.0090
KL016609	308.00	308.50	0.0140
KL016611	308.50	309.40	0.0100
KL016612	309.40	310.00	0.0025
KL016613	310.00	310.50	0.0680
KL016614	310.50	311.40	0.0110
KL016615	311.40	312.00	0.0070
KL016616	312.00	313.00	0.0080
KL016617	313.00	314.00	0.0025
KL016618	314.00	315.00	0.0060
KL016619	315.00	316.00	0.0050
KL016621	316.00	317.20	0.0025
KL016622	317.20	318.00	0.0025
KL016623	318.00	319.00	0.0025
KL016624	326.00	327.00	0.0025
KL016625	327.00	327.50	0.0080
KL016626	327.50	328.00	1.4100
KL016627	328.00	329.00	0.0280
KL016628	329.00	330.00	0.0160
KL016629	330.00	330.50	0.0400
KL016631	330.50	331.00	0.0080
KL016632	331.00	331.50	0.0060
KL016633	331.50	332.00	0.0050
KL016634	332.00	333.00	0.0025
KL016635	333.00	333.50	0.0025
KL016636	333.50	334.00	0.1600
KL016637	334.00	334.50	0.0060
KL016638	334.50	335.00	0.0025
KL016639	335.00	336.00	0.0080
KL016641	336.00	337.00	0.0150
KL016642	337.00	338.00	0.0050
KL016643	338.00	339.00	0.0220
KL016644	339.00	340.00	0.0140
KL016645	340.00	341.00	0.0060
KL016646	341.00	342.00	0.0025
KL016647	342.00	343.00	0.0025

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016648	343.00	344.00	0.0025
KL016649	344.00	345.00	0.0170
KL016651	345.00	346.00	0.0025
KL016652	346.00	347.00	0.0060
KL016653	347.00	348.00	0.0025
KL016654	348.00	349.00	0.0025
KL016655	349.00	350.00	0.0025
KL016656	353.00	354.00	0.0025
KL016657	354.00	355.00	0.0025
KL016658	355.00	355.50	0.0025
KL016659	355.50	356.00	0.0070
KL016661	356.00	356.50	0.0025
KL016662	356.50	357.00	0.0025
KL016663	357.00	358.00	0.0025
KL016664	358.00	359.00	0.0025
KL016665	359.00	360.00	0.0025
KL016666	360.00	361.00	0.0050
KL016667	361.00	362.00	0.0025
KL016668	362.00	362.50	0.0140
KL016669	362.50	363.00	0.0025
KL016671	363.00	364.00	0.0025
KL016672	364.00	365.00	0.0025
KL016673	373.00	374.00	0.0220
KL016674	374.00	375.00	0.0290
KL016675	375.00	375.50	0.0025
KL016676	375.50	376.00	0.0130
KL016677	376.00	376.50	6.3900
KL016678	376.50	377.00	0.0180
KL016679	377.00	378.00	0.0160
KL016681	378.00	379.00	0.0050
KL016682	379.00	380.00	0.0025
KL016683	380.00	381.00	0.0080
KL016684	381.00	382.00	0.0070
KL016685	382.00	383.00	0.0025
KL016686	383.00	384.00	0.0090
KL016687	384.00	384.50	0.0060
KL016688	384.50	385.00	1.0300
KL016689	385.00	385.50	0.0080
KL016691	385.50	386.00	19.6000

Hole Number: **CAR-21-18**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL016692	386.00	386.50	0.0280
KL016693	386.50	387.00	0.0140
KL016694	387.00	388.00	0.0025
KL016695	388.00	389.00	0.0025
KL016696	389.00	390.00	0.0130
KL016697	390.00	391.00	0.0025
KL016698	391.00	392.00	0.0025
KL016699	392.00	393.00	0.0025
KL016701	393.00	394.00	0.0070
KL016702	394.00	395.00	0.0025
KL016703	395.00	396.00	0.0025
KL016704	396.00	397.00	0.0025
KL016705	397.00	398.00	0.0025
KL016706	398.00	399.00	0.0180
KL016707	399.00	400.00	0.0050
KL016708	400.00	401.00	0.0025
KL016709	401.00	402.00	0.0025
KL016711	402.00	402.50	0.0130
KL016712	402.50	403.00	0.0460
KL016713	403.00	403.50	0.0160
KL016714	403.50	404.00	0.0060
KL016715	404.00	405.00	0.0090
KL016716	405.00	406.00	0.0070
KL016717	406.00	407.00	0.0110
KL016718	407.00	408.00	0.0025
Sample Type HalfCore			
KL009958	97.50	98.00	0.0060
KL009959	200.00	200.50	0.0060
KL009960	300.00	300.50	0.0150
KL009961	370.00	370.50	

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -50.00
Project Number: MELKIOR	North: 5359006.00	North: 36047.44	Collar Az: 240.00
Location: Carscallen Township	East: 451595.00	East: -129620.76	Length: 423.00
	Elev: 346.00	Elev: 5046.00	Start Depth: 0.00
Date Started: Nov 12, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Nov 13, 2021	Multishot Survey: N	Hole Size: NQ	Final Depth: 423.00
	Pulse EM Survey: N	Casing: YES	Core Storage: Carscallen

Comments: Drill Hole: CAR21-019 was renamed to: CAR-21-19 through Fusion Client by mclarke on 2021-11-29 09:27:56

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	239.80	-49.10	EZ Sho	OK		39.00	239.80	-49.10	EZ Sho	OK	
90.00	241.60	-48.70	EZ Sho	OK		141.00	242.00	-48.80	EZ Sho	OK	
192.00	243.20	-49.10	EZ Sho	OK		243.00	242.50	-48.90	EZ Sho	OK	
294.00	241.90	-48.70	EZ Sho	OK		348.00	244.00	-48.30	EZ Sho	OK	
402.00	245.00	-48.00	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	27.00	OVB, MELKIOR - Overburden					
27.00	52.75	BaM, Melkior - Basalt; fine grained; massive Massive fine grained Mafic Volcanic. Dark Grey Massive fine grained mafic volcanic. 2-3% thin carb veining 1-2 mm wide at 45 DTCA, few localized fine grained clusters of Py at 48-49m. start of hole ground fractured. sharp lower cont 30 DTCA.	KL014001	40.00	41.00	1.00	0.03
			KL014002	41.00	42.00	1.00	0.01
			KL014003	42.00	43.00	1.00	0.01
			KL014004	43.00	44.10	1.10	0.01
			KL014005	47.00	48.00	1.00	0.01
			KL014006	48.00	49.00	1.00	0.01
			KL014007	49.00	50.00	1.00	0.01
			KL014008	52.30	52.75	0.45	0.00

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
52.75	126.90	BaFBx, Melkior - Basalt Flow Breccia	KL014009	52.75	54.00	1.25	0.01
		Aphanitic matrix	KL014011	54.00	55.00	1.00	0.01
		Light to dark grey color	KL014012	55.00	56.00	1.00	0.01
		weak green chloritic alteration, patchy	KL014013	56.00	57.00	1.00	0.01
		moderate stockwork veins of carbonate quartz	KL014014	57.00	58.00	1.00	0.01
		patch of limonite alteration	KL014015	58.00	59.00	1.00	0.00
		hetatitic alteration	KL014016	59.00	60.00	1.00	0.00
		moderate patches of sulphide (py)	KL014017	60.00	61.00	1.00	0.01
		moderate patches sericite alteration	KL014018	61.00	62.00	1.00	0.00
		weak kspar alteration in some carbonate quartz veins	KL014019	62.00	63.00	1.00	0.00
		moderate microfracturing through veins	KL014021	63.00	64.00	1.00	0.00
			KL014022	64.00	65.00	1.00	0.04
			KL014023	65.00	66.00	1.00	0.01
			KL014024	66.00	67.00	1.00	0.01
			KL014025	67.00	68.00	1.00	0.00
			KL014026	68.00	69.00	1.00	0.00
			KL014027	69.00	70.00	1.00	0.00
			KL014028	70.00	71.00	1.00	0.01
			KL014029	71.00	72.00	1.00	0.02
			KL014031	72.00	73.00	1.00	0.02
			KL014032	73.00	74.00	1.00	1.56
			KL014033	74.00	75.00	1.00	0.01
			KL014034	75.00	76.00	1.00	0.01
			KL014035	76.00	77.00	1.00	0.01
			KL014036	77.00	78.00	1.00	0.00
			KL014037	78.00	79.00	1.00	0.01
			KL014038	79.00	79.50	0.50	0.00
			KL014039	79.50	80.50	1.00	0.01
			KL014041	80.50	81.00	0.50	0.00
			KL014042	81.00	82.00	1.00	0.00
			KL014043	82.00	83.00	1.00	0.00
			KL014044	83.00	84.00	1.00	0.00
			KL014045	84.00	85.00	1.00	0.00
			KL014046	85.00	86.00	1.00	0.01
			KL014047	100.90	101.50	0.60	0.01
			KL014048	101.50	102.00	0.50	0.01
			KL014049	102.00	103.00	1.00	0.00
			KL014051	103.00	104.00	1.00	0.00
			KL014052	104.00	105.10	1.10	0.00
			KL014053	109.20	110.00	0.80	0.03
			KL014054	110.00	111.00	1.00	0.01
			KL014055	111.00	112.00	1.00	0.01
			KL014056	112.00	113.40	1.40	0.01

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL014057	117.60	119.00	1.40	0.01
			KL014058	119.00	120.00	1.00	0.01
			KL014059	120.00	121.00	1.00	0.01
			KL014061	121.00	121.70	0.70	0.01
			KL014062	126.00	126.90	0.90	0.01
126.90	127.50	GRD, Melkior-Granodiorite - medium grained Medium to coarse grain black and tan color mottled texture carbonate quartz veins crossing horizontal very minimal visible sulphide	KL014063	126.90	127.50	0.60	0.01
127.50	148.00	FV, Melkior - Felsic Volcanics Aphanitic matrix moderate to strong sericitic alteration light grey color weak carbonate quartz veinlets patch of epidote(?) clasts little to no visible sulphides MINOR INTERVALS: Minor Interval: 129.85 - 132.04 QVZ, QUARTZ VEIN ZONE Large carbonate quartz vein moderate sericite alteration weak hematite alteration	KL014064	127.50	128.00	0.50	0.00
			KL014065	128.00	129.00	1.00	0.01
			KL014066	129.00	129.85	0.85	0.01
			KL014067	129.85	130.50	0.65	0.09
			KL014068	130.50	131.00	0.50	0.00
			KL014069	131.00	131.50	0.50	0.01
			KL014071	131.50	132.04	0.54	0.01
			KL014072	132.04	133.00	0.96	0.01
			KL014073	133.00	134.10	1.10	0.01
			KL014074	138.20	139.00	0.80	0.02
			KL014075	139.00	140.00	1.00	0.02
			KL014076	140.00	141.00	1.00	0.02
			KL014077	141.00	142.00	1.00	0.02
			KL014078	142.00	143.00	1.00	0.02
			KL014079	143.00	144.00	1.00	0.02
			KL014081	144.00	145.00	1.00	0.02
			KL014082	145.00	146.00	1.00	0.01
			KL014951	146.00	146.40	0.40	
			KL014083	146.00	147.00	1.00	0.01
			KL014084	147.00	148.00	1.00	0.01

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
148.00	333.00	BaM, Melkior - Basalt; fine grained; massive Mafic Massive Volcanic Fine grained dark grey unit. 2-4% thin Qtz-carb veinlets at 50-60 DTCA. Trace to no Sulfides from 148-163m, Trace to 0.5% fine grained disseminated Py from 163-172. Trace to no sulfides from 163-201m. Bad ground/ strongly fractures core from 184-198m. Healed shear zone from 170.5-175m. increase in Qtz-Carb veining from 196-197m up to 15% Brecciated texture veining stockwork. with trace fine grained Py. increase in sil-alb(patchy) alteration at 201-216m with Trace to no sulfides, along with weak Qtz vienlets <3% diffrent orientations. Small Qtz-Carb vein at 245.5-245.55m and 247.6-247.65m with trce Py. Small Qtz-Carb vein at 262.95-263.05m with breccia texture at 40DTCA. Increase in Veinlets from 315-324m 1-2mm wide Qtz-Carb veinlets 2 diffrent orientations at 50 DTCA and 30 DTCA. MINOR INTERVALS: Minor Interval: 230.50 - 231.20 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry strong Sil-Epd-Carb alteration. Vein? Lower cont 45 DTCA. Minor Interval: 251.30 - 251.50 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry Minor Interval: 253.10 - 253.40 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry Minor Interval: 253.65 - 253.70 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry Minor Interval: 254.90 - 255.10 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry Minor Interval: 293.75 - 294.00 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry Sharp lower cont at 80 DTCA. Minor Interval: 294.65 - 295.50 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry, Sharp lower cont at 40 DTCA. Minor Interval: 307.30 - 307.90 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry, Sharp lower cont at 30 DTCA. Minor Interval: 308.50 - 309.40 QFP, QUARTZ FELDSPAR PORPHYRY Qtz-Feldspar porhpyry, Lower cont fractured and broken up.	KL014085	148.00	149.00	1.00	0.01
			KL014086	149.00	150.00	1.00	0.01
			KL014087	150.00	151.00	1.00	0.01
			KL014088	163.50	164.00	0.50	0.02
			KL014089	164.00	165.00	1.00	0.03
			KL014091	165.00	166.00	1.00	0.02
			KL014092	166.00	167.00	1.00	0.02
			KL014093	167.00	168.00	1.00	0.02
			KL014952	168.00	168.40	0.40	
			KL014094	168.00	169.00	1.00	0.02
			KL014095	169.00	170.00	1.00	0.02
			KL014096	170.00	171.00	1.00	0.02
			KL014097	171.00	172.00	1.00	0.02
			KL014098	172.00	173.00	1.00	0.02
			KL014099	173.00	174.00	1.00	0.02
			KL014101	174.00	175.00	1.00	0.01
			KL014102	175.00	175.90	0.90	0.02
			KL014103	194.50	195.00	0.50	0.02
			KL014104	195.00	196.00	1.00	0.03
			KL014105	196.00	197.30	1.30	0.02
			KL014953	200.00	200.40	0.40	
			KL014106	200.80	202.00	1.20	0.03
			KL014107	202.00	203.00	1.00	0.02
			KL014108	203.00	204.00	1.00	0.04
			KL014109	204.00	205.00	1.00	0.01
			KL014111	205.00	206.00	1.00	0.00
			KL014112	206.00	207.00	1.00	0.03
			KL014113	207.00	208.00	1.00	0.03
			KL014114	208.00	209.00	1.00	0.03
			KL014115	209.00	210.00	1.00	0.00
			KL014116	210.00	211.00	1.00	0.01
			KL014117	211.00	212.00	1.00	0.01
			KL014118	212.00	213.00	1.00	0.01
			KL014119	213.00	214.00	1.00	0.01
			KL014121	214.00	215.00	1.00	0.01
			KL014122	215.00	216.00	1.00	0.00
			KL014123	216.00	217.00	1.00	0.01
			KL014124	217.00	217.50	0.50	0.01
			KL014125	230.00	230.50	0.50	0.01
			KL014126	230.50	231.20	0.70	0.00
			KL014127	231.20	232.00	0.80	0.01
			KL014128	232.00	233.00	1.00	0.01
			KL014129	233.00	234.10	1.10	0.01

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
		MINOR INTERVALS:	KL014131	242.70	244.00	1.30	0.01
		Minor Interval:	KL014132	244.00	245.00	1.00	0.02
		317.00 - 317.50 QFP, QUARTZ FELDSPAR PORPHYRY	KL014133	245.00	246.00	1.00	0.03
		Qtz-Feldspar porhpyry, lower cont at 80 DTCA. Trace fien grained disseminated Py.	KL014134	246.00	247.00	1.00	0.02
			KL014135	247.00	248.00	1.00	0.01
			KL014136	248.00	249.00	1.00	0.02
			KL014137	249.00	250.00	1.00	0.02
			KL014138	250.00	251.00	1.00	0.01
			KL014139	251.00	252.00	1.00	0.02
			KL014141	252.00	253.00	1.00	0.02
			KL014142	253.00	254.00	1.00	0.01
			KL014143	254.00	254.50	0.50	0.01
			KL014144	254.50	255.50	1.00	0.02
			KL014145	255.50	256.00	0.50	0.01
			KL014146	262.00	262.50	0.50	0.01
			KL014147	262.50	263.10	0.60	0.02
			KL014148	263.10	263.40	0.30	0.02
			KL014149	267.10	268.00	0.90	0.02
			KL014151	268.00	269.00	1.00	0.02
			KL014152	269.00	270.00	1.00	0.02
			KL014153	270.00	271.00	1.00	0.02
			KL014154	271.00	272.00	1.00	0.02
			KL014155	272.00	273.00	1.00	0.02
			KL014156	273.00	274.00	1.00	0.07
			KL014157	274.00	275.00	1.00	0.02
			KL014158	275.00	276.00	1.00	0.02
			KL014159	276.00	277.00	1.00	0.02
			KL014161	277.00	278.00	1.00	0.02
			KL014162	278.00	279.00	1.00	0.01
			KL014163	279.00	279.70	0.70	0.01
			KL014164	292.00	293.00	1.00	0.00
			KL014165	293.00	293.50	0.50	0.00
			KL014166	293.50	294.00	0.50	0.01
			KL014167	294.00	294.65	0.65	0.01
			KL014168	294.65	295.50	0.85	0.00
			KL014954	295.00	295.50	0.50	
			KL014169	295.50	296.00	0.50	0.00
			KL014171	314.00	315.00	1.00	0.00
			KL014172	315.00	316.00	1.00	0.01
			KL014173	316.00	317.00	1.00	0.01
			KL014174	317.00	317.50	0.50	0.01
			KL014175	317.50	318.00	0.50	0.01
			KL014176	318.00	319.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL014955	319.00	319.40	0.40	
			KL014177	319.00	320.00	1.00	0.00
			KL014178	320.00	321.00	1.00	0.01
			KL014179	321.00	322.00	1.00	0.00
			KL014181	322.00	323.00	1.00	0.00
			KL014182	323.00	324.00	1.00	0.00
			KL014183	324.00	324.50	0.50	0.00
333.00	337.23	BaFBx, Melkior - Basalt Flow Breccia Aphanitic matrix stockwork carbonate veins throughout brecciated grey to black color little to no visible sulphide					
337.23	342.88	BaM, Melkior - Basalt; fine grained; massive Aphanitic texture grey color massive stockwork carbonate veins stringers to 1cm no visible sulphide					
342.88	354.00	BaFBx, Melkior - Basalt Flow Breccia Aphanitic grey to black color brecciated moderate levels carbonate veins throughout, mostly stringers but some 2cm some patches of visible sulphides around 348.7m carbonitization alteration and hematite alteration also around 348.7 MINOR INTERVALS: Minor Interval: 351.80 - 352.60 GRD, Melkior-Granodiorite - medium grained Phaneritic texture black, white, pink/orange color quartz, amphibole, plag, kspar very little visible sulphide carbonate stringers	KL014184	345.00	346.00	1.00	0.02
			KL014185	346.00	347.00	1.00	0.02
			KL014186	347.00	348.00	1.00	0.02
			KL014187	348.00	348.40	0.40	0.01
			KL014188	348.40	349.00	0.60	0.07
			KL014189	349.00	350.00	1.00	0.02
			KL014191	350.00	351.00	1.00	0.01
			KL014192	351.00	351.80	0.80	0.01
			KL014193	351.80	352.60	0.80	0.05
			KL014194	352.60	353.00	0.40	0.19
			KL014195	353.00	354.00	1.00	0.02

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
354.00	366.00	BaM, Melkior - Basalt; fine grained; massive Aphanitic texture grey/black color with weak green massive stockwork carbonate veins stringers up to 3cm patches of visible sulphide throughout MINOR INTERVALS: Minor Interval: 354.20 - 354.40 GRD, Melkior-Granodiorite - medium grained Phaneritic texture amphiboles, kspars, plag carbonate quartz veins striking through no visible sulphide Minor Interval: 356.10 - 356.40 GRD, Melkior-Granodiorite - medium grained Phaneritic texture black, tan color stringers of carbonate veins amphiboles, plag, quartz no visible sulphide Minor Interval: 358.50 - 359.40 GRD, Melkior-Granodiorite - medium grained Phaneritic texture amphibole, plag color grades from pink/black, to pink/black/white some carbonate stringers no visible sulphide	KL014196	354.00	354.50	0.50	0.01
			KL014197	354.50	355.00	0.50	0.01
			KL014198	355.00	356.00	1.00	0.00
			KL014199	356.00	356.50	0.50	0.00
			KL014201	356.50	357.00	0.50	0.03
			KL014202	357.00	358.00	1.00	0.00
			KL014203	358.00	359.00	1.00	0.01
			KL014204	359.00	360.00	1.00	0.01
			KL014205	360.00	361.00	1.00	0.01
			KL014206	361.00	362.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
366.00	423.00	BaFBx, Melkior - Basalt Flow Breccia Aphanitic grey to black color brecciated moderate levels carbonate veins throughout, mostly stringers but some 2cm or more some veins altered with albite or hematite considerable visible sulphide between 400 and 402m containing pyrite, pyrrhotite, chalcopyrite and sphalerite. some pyrite grains approx. .5cm at very end 423m	KL014207	367.00	367.50	0.50	0.01
			KL014208	367.50	369.00	1.50	0.01
			KL014209	369.00	369.50	0.50	0.01
			KL014211	369.50	370.00	0.50	0.00
			KL014212	370.00	371.00	1.00	0.00
			KL014213	380.00	381.00	1.00	0.01
			KL014214	381.00	382.00	1.00	0.00
			KL014215	382.00	382.50	0.50	
			KL014216	382.50	383.00	0.50	0.02
			KL014217	383.00	384.00	1.00	0.03
			KL014218	384.00	384.50	0.50	0.07
			KL014219	384.50	385.00	0.50	0.06
			KL014221	385.00	386.00	1.00	0.02
			KL014222	386.00	387.00	1.00	0.04
			KL014223	387.00	388.00	1.00	0.01
			KL014224	388.00	389.00	1.00	0.02
			KL014225	389.00	390.00	1.00	0.01
			KL014226	390.00	391.00	1.00	0.01
			KL014227	391.00	392.00	1.00	0.02
			KL014228	392.00	393.00	1.00	0.01
			KL014229	393.00	394.00	1.00	0.01
			KL014231	394.00	395.00	1.00	0.00
			KL014232	395.00	396.00	1.00	0.00
			KL014233	396.00	397.00	1.00	0.00
			KL014234	397.00	397.50	0.50	0.01
			KL014235	397.50	398.00	0.50	0.01
			KL014236	398.00	399.00	1.00	0.01
			KL014237	399.00	400.00	1.00	0.01
			KL014956	400.00	400.40	0.40	
			KL014238	400.00	400.50	0.50	1.43
			KL014239	400.50	401.00	0.50	0.01
			KL014241	401.00	401.50	0.50	16.10
			KL014242	401.50	402.00	0.50	0.08
		KL014243	402.00	403.00	1.00	0.01	
		KL014244	403.00	404.00	1.00	0.01	
		KL014245	404.00	405.00	1.00	0.01	
		KL014246	405.00	406.00	1.00	0.01	
		KL014247	406.00	407.00	1.00		
		KL014248	407.00	408.00	1.00	0.00	
		KL014249	408.00	409.00	1.00	0.00	
		KL014251	409.00	410.00	1.00	0.00	
		KL014252	410.00	411.00	1.00	0.00	
		KL014253	411.00	412.00	1.00	0.00	

DETAILED LOG

Hole Number: **CAR-21-19**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL014254	412.00	413.00	1.00	0.02
			KL014255	413.00	414.00	1.00	0.02
			KL014256	414.00	415.00	1.00	0.00
			KL014257	415.00	416.00	1.00	0.00
			KL014258	416.00	417.00	1.00	0.01
			KL014259	417.00	418.00	1.00	0.00
			KL014261	418.00	419.00	1.00	0.00
			KL014262	419.00	420.00	1.00	0.00
			KL014263	420.00	421.00	1.00	0.00
			KL014264	421.00	422.00	1.00	0.00
			KL014265	422.00	422.50	0.50	0.01
			KL014266	422.50	423.00	0.50	0.00

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL014001	40.00	41.00	0.0250
KL014002	41.00	42.00	0.0100
KL014003	42.00	43.00	0.0110
KL014004	43.00	44.10	0.0120
KL014005	47.00	48.00	0.0100
KL014006	48.00	49.00	0.0140
KL014007	49.00	50.00	0.0080
KL014008	52.30	52.75	0.0025
KL014009	52.75	54.00	0.0110
KL014011	54.00	55.00	0.0090
KL014012	55.00	56.00	0.0080
KL014013	56.00	57.00	0.0060
KL014014	57.00	58.00	0.0050
KL014015	58.00	59.00	0.0025
KL014016	59.00	60.00	0.0025
KL014017	60.00	61.00	0.0050
KL014018	61.00	62.00	0.0025
KL014019	62.00	63.00	0.0025
KL014021	63.00	64.00	0.0025
KL014022	64.00	65.00	0.0440
KL014023	65.00	66.00	0.0050
KL014024	66.00	67.00	0.0090
KL014025	67.00	68.00	0.0025
KL014026	68.00	69.00	0.0025
KL014027	69.00	70.00	0.0025

Hole Number: **CAR-21-19**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL014028	70.00	71.00	0.0110
KL014029	71.00	72.00	0.0170
KL014031	72.00	73.00	0.0150
KL014032	73.00	74.00	1.5600
KL014033	74.00	75.00	0.0060
KL014034	75.00	76.00	0.0090
KL014035	76.00	77.00	0.0070
KL014036	77.00	78.00	0.0025
KL014037	78.00	79.00	0.0070
KL014038	79.00	79.50	0.0025
KL014039	79.50	80.50	0.0060
KL014041	80.50	81.00	0.0025
KL014042	81.00	82.00	0.0025
KL014043	82.00	83.00	0.0025
KL014044	83.00	84.00	0.0025
KL014045	84.00	85.00	0.0025
KL014046	85.00	86.00	0.0050
KL014047	100.90	101.50	0.0080
KL014048	101.50	102.00	0.0050
KL014049	102.00	103.00	0.0025
KL014051	103.00	104.00	0.0025
KL014052	104.00	105.10	0.0025
KL014053	109.20	110.00	0.0320
KL014054	110.00	111.00	0.0110
KL014055	111.00	112.00	0.0090
KL014056	112.00	113.40	0.0100
KL014057	117.60	119.00	0.0090
KL014058	119.00	120.00	0.0110
KL014059	120.00	121.00	0.0140
KL014061	121.00	121.70	0.0110
KL014062	126.00	126.90	0.0110
KL014063	126.90	127.50	0.0070
KL014064	127.50	128.00	0.0025
KL014065	128.00	129.00	0.0050
KL014066	129.00	129.85	0.0080
KL014067	129.85	130.50	0.0880
KL014068	130.50	131.00	0.0025
KL014069	131.00	131.50	0.0050
KL014071	131.50	132.04	0.0140

Hole Number: **CAR-21-19**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL014072	132.04	133.00	0.0130
KL014073	133.00	134.10	0.0130
KL014074	138.20	139.00	0.0190
KL014075	139.00	140.00	0.0170
KL014076	140.00	141.00	0.0220
KL014077	141.00	142.00	0.0180
KL014078	142.00	143.00	0.0150
KL014079	143.00	144.00	0.0170
KL014081	144.00	145.00	0.0190
KL014082	145.00	146.00	0.0090
KL014083	146.00	147.00	0.0100
KL014084	147.00	148.00	0.0100
KL014085	148.00	149.00	0.0130
KL014086	149.00	150.00	0.0140
KL014087	150.00	151.00	0.0110
KL014088	163.50	164.00	0.0150
KL014089	164.00	165.00	0.0290
KL014091	165.00	166.00	0.0160
KL014092	166.00	167.00	0.0150
KL014093	167.00	168.00	0.0150
KL014094	168.00	169.00	0.0210
KL014095	169.00	170.00	0.0210
KL014096	170.00	171.00	0.0170
KL014097	171.00	172.00	0.0180
KL014098	172.00	173.00	0.0160
KL014099	173.00	174.00	0.0150
KL014101	174.00	175.00	0.0130
KL014102	175.00	175.90	0.0220
KL014103	194.50	195.00	0.0200
KL014104	195.00	196.00	0.0270
KL014105	196.00	197.30	0.0210
KL014106	200.80	202.00	0.0300
KL014107	202.00	203.00	0.0220
KL014108	203.00	204.00	0.0360
KL014109	204.00	205.00	0.0070
KL014111	205.00	206.00	0.0025
KL014112	206.00	207.00	0.0300
KL014113	207.00	208.00	0.0340
KL014114	208.00	209.00	0.0280

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL014115	209.00	210.00	0.0025
KL014116	210.00	211.00	0.0140
KL014117	211.00	212.00	0.0070
KL014118	212.00	213.00	0.0130
KL014119	213.00	214.00	0.0140
KL014121	214.00	215.00	0.0050
KL014122	215.00	216.00	0.0025
KL014123	216.00	217.00	0.0060
KL014124	217.00	217.50	0.0060
KL014125	230.00	230.50	0.0140
KL014126	230.50	231.20	0.0025
KL014127	231.20	232.00	0.0070
KL014128	232.00	233.00	0.0120
KL014129	233.00	234.10	0.0100
KL014131	242.70	244.00	0.0110
KL014132	244.00	245.00	0.0150
KL014133	245.00	246.00	0.0280
KL014134	246.00	247.00	0.0170
KL014135	247.00	248.00	0.0120
KL014136	248.00	249.00	0.0180
KL014137	249.00	250.00	0.0180
KL014138	250.00	251.00	0.0140
KL014139	251.00	252.00	0.0160
KL014141	252.00	253.00	0.0150
KL014142	253.00	254.00	0.0140
KL014143	254.00	254.50	0.0140
KL014144	254.50	255.50	0.0170
KL014145	255.50	256.00	0.0130
KL014146	262.00	262.50	0.0110
KL014147	262.50	263.10	0.0160
KL014148	263.10	263.40	0.0190
KL014149	267.10	268.00	0.0150
KL014151	268.00	269.00	0.0170
KL014152	269.00	270.00	0.0180
KL014153	270.00	271.00	0.0190
KL014154	271.00	272.00	0.0190
KL014155	272.00	273.00	0.0190
KL014156	273.00	274.00	0.0670
KL014157	274.00	275.00	0.0220

Hole Number: **CAR-21-19**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL014158	275.00	276.00	0.0170
KL014159	276.00	277.00	0.0220
KL014161	277.00	278.00	0.0200
KL014162	278.00	279.00	0.0090
KL014163	279.00	279.70	0.0090
KL014164	292.00	293.00	0.0025
KL014165	293.00	293.50	0.0025
KL014166	293.50	294.00	0.0070
KL014167	294.00	294.65	0.0050
KL014168	294.65	295.50	0.0025
KL014169	295.50	296.00	0.0025
KL014171	314.00	315.00	0.0025
KL014172	315.00	316.00	0.0120
KL014173	316.00	317.00	0.0110
KL014174	317.00	317.50	0.0050
KL014175	317.50	318.00	0.0110
KL014176	318.00	319.00	0.0025
KL014177	319.00	320.00	0.0025
KL014178	320.00	321.00	0.0050
KL014179	321.00	322.00	0.0025
KL014181	322.00	323.00	0.0025
KL014182	323.00	324.00	0.0025
KL014183	324.00	324.50	0.0025
KL014184	345.00	346.00	0.0200
KL014185	346.00	347.00	0.0190
KL014186	347.00	348.00	0.0180
KL014187	348.00	348.40	0.0110
KL014188	348.40	349.00	0.0720
KL014189	349.00	350.00	0.0230
KL014191	350.00	351.00	0.0070
KL014192	351.00	351.80	0.0070
KL014193	351.80	352.60	0.0470
KL014194	352.60	353.00	0.1860
KL014195	353.00	354.00	0.0180
KL014196	354.00	354.50	0.0100
KL014197	354.50	355.00	0.0050
KL014198	355.00	356.00	0.0025
KL014199	356.00	356.50	0.0025
KL014201	356.50	357.00	0.0340

Hole Number: **CAR-21-19**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL014202	357.00	358.00	0.0025
KL014203	358.00	359.00	0.0050
KL014204	359.00	360.00	0.0060
KL014205	360.00	361.00	0.0060
KL014206	361.00	362.00	0.0090
KL014207	367.00	367.50	0.0100
KL014208	367.50	369.00	0.0070
KL014209	369.00	369.50	0.0100
KL014211	369.50	370.00	0.0025
KL014212	370.00	371.00	0.0025
KL014213	380.00	381.00	0.0050
KL014214	381.00	382.00	0.0025
KL014215	382.00	382.50	
KL014216	382.50	383.00	0.0170
KL014217	383.00	384.00	0.0270
KL014218	384.00	384.50	0.0660
KL014219	384.50	385.00	0.0580
KL014221	385.00	386.00	0.0180
KL014222	386.00	387.00	0.0380
KL014223	387.00	388.00	0.0120
KL014224	388.00	389.00	0.0240
KL014225	389.00	390.00	0.0050
KL014226	390.00	391.00	0.0130
KL014227	391.00	392.00	0.0150
KL014228	392.00	393.00	0.0100
KL014229	393.00	394.00	0.0050
KL014231	394.00	395.00	0.0025
KL014232	395.00	396.00	0.0025
KL014233	396.00	397.00	0.0025
KL014234	397.00	397.50	0.0070
KL014235	397.50	398.00	0.0130
KL014236	398.00	399.00	0.0080
KL014237	399.00	400.00	0.0110
KL014238	400.00	400.50	1.4300
KL014239	400.50	401.00	0.0070
KL014241	401.00	401.50	16.1000
KL014242	401.50	402.00	0.0820
KL014243	402.00	403.00	0.0120
KL014244	403.00	404.00	0.0070

Hole Number: **CAR-21-19**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL014245	404.00	405.00	0.0060
KL014246	405.00	406.00	0.0050
KL014247	406.00	407.00	
KL014248	407.00	408.00	0.0025
KL014249	408.00	409.00	0.0025
KL014251	409.00	410.00	0.0025
KL014252	410.00	411.00	0.0025
KL014253	411.00	412.00	0.0025
KL014254	412.00	413.00	0.0180
KL014255	413.00	414.00	0.0240
KL014256	414.00	415.00	0.0025
KL014257	415.00	416.00	0.0025
KL014258	416.00	417.00	0.0050
KL014259	417.00	418.00	0.0025
KL014261	418.00	419.00	0.0025
KL014262	419.00	420.00	0.0025
KL014263	420.00	421.00	0.0025
KL014264	421.00	422.00	0.0025
KL014265	422.00	422.50	0.0070
KL014266	422.50	423.00	0.0025
Sample Type ICP			
KL014951	146.00	146.40	
KL014952	168.00	168.40	
KL014953	200.00	200.40	
KL014954	295.00	295.50	
KL014955	319.00	319.40	
KL014956	400.00	400.40	

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -55.00
Project Number: MELKIOR	North: 5358292.00	North: 35170.83	Collar Az: 240.00
Location: Carscallen Township	East: 452268.00	East: -129179.31	Length: 882.00
	Elev: 330.00	Elev: 5030.00	Start Depth: 0.00
Date Started: Nov 19, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Nov 29, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-55.00	EZ Sho	OK		24.00	237.00	-54.90	EZ Sho	OK	
126.00	238.20	-54.90	EZ Sho	OK		177.00	238.10	-55.00	EZ Sho	OK	
228.00	239.80	-55.00	EZ Sho	OK		291.00	240.40	-53.40	EZ Sho	OK	
342.00	240.90	-53.20	EZ Sho	OK		393.00	241.00	-53.20	EZ Sho	OK	
444.00	241.00	-53.00	EZ Sho	OK		495.00	242.40	-52.30	EZ Sho	OK	
546.00	243.10	-52.10	EZ Sho	OK		597.00	241.40	-52.00	EZ Sho	OK	
648.00	243.70	-51.60	EZ Sho	OK		699.00	245.10	-51.10	EZ Sho	OK	
750.00	244.10	-51.10	EZ Sho	OK		801.00	245.60	-50.20	EZ Sho	OK	
852.00	247.20	-50.30	EZ Sho	OK		882.00	246.00	-50.30	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	12.00	OVB, MELKIOR - Overburden					
12.00	65.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, medium to coarse grained, potassic, secondarily epidotitic and slightly hematitic, glomeroporphyritic texture, scattered mafic xenoliths up to 20 cm in width, tr sul, from 11.0 to 27.0 meters limonitic, blocky, locally crumbled regolith, tr sul					
65.00	68.50	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white, silicified, chloritic, slightly epidotitic, localized fractured section from 67.5 to 68.0 meters, tr sul					
68.50	115.50	GRD_POT, Granodiorite - Potassic (Melkior) SAA, pinkish orange, medium to coarse grained, potassic, secondarily epidotitic and slightly hematitic, glomeroporphyritic texture, scattered mafic xenoliths up to 20 cm in width, tr sul,	KL016719	115.00	115.50	0.50	0.01
115.50	117.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey, silicified, chloritic, weakly carbonaceous, 2 1 cm stringers with approx 5 to 6% subhedral py localized @ 116.4 and 116.8 @ 30 and 40 DTCA respectively	KL016721	115.50	116.00	0.50	0.00
			KL016722	116.00	116.50	0.50	0.03
			KL016723	116.50	117.00	0.50	0.05

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
117.00	127.50	GRD_POT, Granodiorite - Potassic (Melkior) SAA, pinkish orange, medium to coarse grained, potassic, secondarily epidotitic and slightly hematitic, glomeroporphyritic texture, scattered mafic xenoliths up to 20 cm in width, tr sul,	KL009962	117.00	117.50	0.50	0.00
			KL016724	117.00	118.00	1.00	0.01
127.50	134.60	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to pinkish hue, predominantly silicified, chloritic, weakly potassic and carbonaceous, approx 1 to 2% disseminated py, gradational HW and FW ct' @ 50 DTCA	KL016725	127.50	128.00	0.50	0.01
			KL016726	128.00	129.00	1.00	0.01
			KL016727	129.00	130.00	1.00	0.00
			KL016728	132.00	133.00	1.00	0.00
			KL016729	133.00	134.00	1.00	0.00
			KL016731	134.00	134.60	0.60	0.00
134.60	140.70	GRD_POT, Granodiorite - Potassic (Melkior) SAA, pinkish orange, medium to coarse grained, potassic, secondarily epidotitic and slightly hematitic, glomeroporphyritic texture, tr sul	KL016732	140.00	140.70	0.70	0.01
140.70	141.70	MI, Melkior - Mafic Intrusive dark grey to black, medium graine to coarse grained, chloritic, locally glomeroporphyritic texture, approx 1 to 2% disseminated py, shp HW and FW ct' @ 50 and 80 DTCA respectively	KL016733	140.70	141.70	1.00	0.00
141.70	181.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic with intercalated silicified and chloritic sections, glomeroporphyritic texture, from 166.7 to 167.7 dark grey, chloritic, silicified, approx 1 to 2% disseminated py, from 167.7 to 181.0 potassic, silicified, tr sul	KL016734	141.70	142.50	0.80	0.00
			KL016735	149.00	150.00	1.00	0.00
			KL016736	150.00	151.00	1.00	0.00
			KL016737	151.00	152.00	1.00	0.00
			KL016738	152.00	153.00	1.00	0.01
			KL016739	166.00	166.60	0.60	0.00
			KL016741	166.60	167.10	0.50	0.00
			KL016742	167.10	167.70	0.60	0.01
181.00	201.00	FZ, Fault Zone blocky crumbled core, poor RQD, protolith potassic and slightly hematitic granodiorite, tr sul					
201.00	205.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic and slightly hematitic with intercalated silicified and chloritic sections, glomeroporphyritic texture, pitted vuggy core, tr sul					
205.00	211.00	FZ, Fault Zone blocky crumbled core, poor RQD, protolith potassic and slightly hematitic granodiorite, tr sul					
211.00	222.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic and slightly hematitic with intercalated silicified and chloritic sections, glomeroporphyritic texture, pitted vuggy core, tr sul					
222.00	243.00	FZ, Fault Zone blocky crumbled core, poor RQD, protolith potassic and slightly hematitic granodiorite, tr sul					

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
243.00	252.00	GRD_POT, Granodiorite - Potassic (Melkior) SAA, pinkish orange, predominantly potassic and slightly hematitic with intercalated silicified and chloritic sections, glomeroporphyritic texture, pitted vuggy core, tr sul					
252.00	266.40	GRD_HEM, Granodiorite - Hematized (Melkior) reddish orange, predominantly hematitic and slightly potassic with intercalated silicified and chloritic sections, glomeroporphyritic texture, pitted vuggy core, tr sul, shp[FW ct @ 50 DTCA	KL016743	264.00	265.00	1.00	0.02
			KL016744	265.00	265.50	0.50	0.05
			KL016745	265.50	266.40	0.90	0.05
266.40	312.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, massive, chloritic, slightly carbonaceous, speckled with leucoxene, scattered granodioritic xenoliths and dikes notably from 271.8 to 273.1 meters, ct' @ 40 to 50 DTCA, approx 1 to 2% disseminated py throughout wallrock, from 278.2 to 279.3 silicified granodioritic dike with HW and FW ct' @ 80 DTCA, tr sul, from 282.8 to 283.6 strongly fractured and locally crumbled core with fractures parallel to CA, tr su, from 285.1 to 285.3 approx 15 to 20% wispy pyritic blebs and patches aligned parallel to foliation @ 40 DTCA, from 288 to 308.4 dark grey, fine grained, massive, chloritic, speckled with leucoxene, moderately fractured with fractures parallel to CA, from 308.4 to 308.8 approx 12 to 15% patchy and blebby py, from 309.7 to 310 approx 12 to 15% blebby and pyritic patches,	KL016746	266.40	267.00	0.60	0.03
			KL016747	267.00	268.00	1.00	0.04
			KL016748	268.00	269.00	1.00	0.08
			KL009963	268.50	269.00	0.50	0.06
			KL016749	269.00	270.00	1.00	0.00
			KL016751	270.00	271.00	1.00	0.01
			KL016752	271.00	272.00	1.00	0.01
			KL016753	272.00	273.00	1.00	0.02
			KL016754	273.00	274.00	1.00	0.01
			KL016755	274.00	275.00	1.00	0.01
			KL016756	282.00	283.00	1.00	0.01
			KL016757	283.00	284.00	1.00	3.36
			KL016758	284.00	285.00	1.00	7.85
			KL016759	285.00	286.00	1.00	0.24
			KL016761	286.00	287.00	1.00	0.00
			KL016762	287.00	288.00	1.00	0.00
			KL016763	307.50	308.40	0.90	0.00
			KL016764	308.40	309.00	0.60	0.02
			KL016765	309.00	309.50	0.50	0.00
			KL016766	309.50	310.00	0.50	0.06
			KL016767	310.00	311.00	1.00	0.01
			KL016768	311.00	312.00	1.00	0.03

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
312.00	355.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, locally sericitic, diffuse locally brecciated textures, approx 2 to 3% disseminated and scattered subhedral to euhedral py xl', from 312 to 318 mineralized zone comprised of approx 20 to 25% patchy and blebby py with pyritic stringers aligned parallel to foliation @ 40 DTCA, from 318 to 333 approx 5 to 6% scattered clusters of subhedral to euhedral py, preceding mineralized zones chloritized, from 331.6 to 331.8 pinkish granodioritic dike @ 70 DTCA with approx 1 to 2% disseminated py, from 339 to 354 approx 3 to 4% disseminated, blebby and localized patchy py, from 345.9 to 346.2 pinkish granodioritic dike @ 50 DTCA with approx 2 to 3% disseminated py throughout surrounding wallrock	KL016769	312.00	313.00	1.00	0.04
			KL016771	313.00	314.00	1.00	0.03
			KL016772	314.00	315.00	1.00	0.01
			KL016773	315.00	316.00	1.00	0.01
			KL016774	316.00	317.00	1.00	0.02
			KL016775	317.00	318.00	1.00	0.00
			KL016776	318.00	319.00	1.00	0.00
			KL016777	319.00	320.00	1.00	0.00
			KL016778	320.00	321.00	1.00	0.00
			KL009964	320.50	321.00	0.50	0.00
			KL016779	321.00	322.00	1.00	0.00
			KL016781	322.00	323.00	1.00	0.00
			KL016782	323.00	324.00	1.00	0.00
			KL016783	324.00	325.00	1.00	0.00
			KL016784	325.00	326.00	1.00	0.00
			KL016785	326.00	327.00	1.00	0.00
			KL016786	327.00	328.00	1.00	0.00
			KL016787	328.00	329.00	1.00	0.00
			KL016788	329.00	330.00	1.00	0.00
			KL016789	330.00	331.00	1.00	0.00
			KL016791	331.00	332.00	1.00	0.00
			KL016792	332.00	333.00	1.00	0.00
			KL016793	339.00	340.00	1.00	0.00
			KL016794	340.00	341.00	1.00	0.00
			KL016795	341.00	342.00	1.00	0.00
			KL016796	342.00	343.00	1.00	0.01
			KL016797	343.00	344.00	1.00	0.00
			KL016798	344.00	345.00	1.00	0.00
			KL016799	345.00	346.00	1.00	0.00
			KL016801	346.00	347.00	1.00	0.01
		KL016802	347.00	348.00	1.00	0.00	
		KL016803	348.00	349.00	1.00	0.00	
		KL016804	349.00	350.00	1.00	0.00	
		KL016805	350.00	351.00	1.00	0.00	
		KL016806	351.00	352.00	1.00	0.00	
		KL016807	352.00	353.00	1.00	0.01	
		KL016808	353.00	354.00	1.00	0.01	
355.00	370.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, massive, chloritic, slightly carbonaceous, speckled with leucoxene, strongly fractured from 368 to 370 with fractures subparallel to CA, approx 1 to 2% disseminated py, fractured FW ct @ 60 DTCA					

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
370.00	413.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, locally sericitic, diffuse locally brecciated textures, approx 2 to 3% disseminated and scattered subhedral to euhedral py xl', from 374 to 383 approx 3 to 4% disseminated and scattered subhedral to euhedral py, from 395 to 396 patches and xenoliths of potassic granodiorite, approx 1 to 2% disseminated py,	KL016809	374.00	375.00	1.00	0.01
			KL016811	375.00	376.00	1.00	0.01
			KL016812	376.00	377.00	1.00	0.01
			KL016813	377.00	378.00	1.00	0.01
			KL016814	378.00	379.00	1.00	0.01
			KL016815	379.00	380.00	1.00	0.01
			KL016816	380.00	381.00	1.00	0.06
			KL016817	381.00	382.00	1.00	0.01
			KL016818	382.00	383.00	1.00	0.01
413.00	426.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, massive, chloritic, slightly carbonaceous, slight pervasive hematitic alteration, speckled with leucoxene, granodioritic vnt' and sts parallel to foliation @ 50 DTCA, approx 1 to 2% disseminated py,					
426.00	448.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, locally sericitic, diffuse locally brecciated textures, approx 2 to 3% disseminated and scattered subhedral to euhedral py xl', from 439.8 to 440 approx 8 to 10% clusters of subhedral py aligned parallel to foliation @ 50 DTCA, between 438 to 443 meters approx 3 to 4% disseminated and clusters of subhedral py, from 443 to 448 unit mottled with subrounded to rounded qtz-chl clasts and fragments with pinkish potassic alteration envelopes, subaqueous environment,	KL009965	426.00	426.50	0.50	0.00
			KL016819	426.00	427.00	1.00	0.01
			KL016821	427.00	428.00	1.00	0.21
			KL016822	428.00	429.00	1.00	0.01
			KL016823	429.00	430.00	1.00	0.01
			KL016824	430.00	431.00	1.00	0.03
			KL016825	431.00	432.00	1.00	0.03
			KL016826	432.00	433.00	1.00	0.01
			KL016827	433.00	434.00	1.00	0.02
			KL016828	434.00	435.00	1.00	0.05
			KL016829	435.00	436.00	1.00	0.02
			KL016831	436.00	437.00	1.00	0.01
			KL016832	437.00	438.00	1.00	0.01
			KL016833	438.00	439.00	1.00	0.00
			KL016834	439.00	439.50	0.50	0.00
			KL016835	439.50	440.00	0.50	0.03
			KL016836	440.00	440.50	0.50	0.06
			KL016837	440.50	441.00	0.50	0.00
			KL016838	441.00	441.50	0.50	0.01
			KL016839	441.50	442.00	0.50	0.01
			KL016841	442.00	442.50	0.50	0.06
			KL016842	442.50	443.00	0.50	0.01
			KL016843	443.00	444.00	1.00	0.01
			KL016844	444.00	445.00	1.00	0.03
			KL016845	445.00	446.00	1.00	0.02
			KL016846	446.00	447.00	1.00	0.00
			KL016847	447.00	448.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
448.00	515.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, fine grained, massive, weakly carbonaceous, from 448 to 460 unit massive, chloritic, slightly blocky fractured core, approx 1 to 2% disseminated py, @ 464.3 5 cm carbonate patch parallel to CA with approx 1 to 2% disseminated py, from 466 to 466.3 pinkish qtz-carb-feldspar-chlorite vn parallel to CA with 5 to 6% clusters of subhedral py, from 481.8 to 482 pinkish brecciated feldspar-carbonate patch with approx 1 to 2% disseminated py, from 482.7 to 482.9 carbonated patch parallel to CA and rimmed with hematite, approx 1 to 2% disseminated py, from 488.7 to 495.0 unit mottled with light green sericitized feldspathic clasts and fragments, subaqueous environment, from 495 to 515 massive, fine grained, abundant qtz-calcite infilled tension gashes predominantly oriented @ 70 to 80 DTCA, @ 504 4 cm carbonate vnt @ 40 DTCA with 3 to 4% disseminated py, @ 506.2 6 cm carbonate vnt @ 50 DTCA with 3 to 4% clusters of subhedral py,	KL016848	463.00	464.00	1.00	0.00
			KL016849	464.00	465.00	1.00	0.00
			KL016851	465.00	465.50	0.50	0.00
			KL016852	465.50	466.30	0.80	0.00
			KL016853	466.30	467.00	0.70	0.00
			KL016854	467.00	468.00	1.00	0.01
			KL016855	468.00	469.00	1.00	0.00
			KL016856	469.00	470.00	1.00	0.01
			KL016857	470.00	471.00	1.00	0.01
			KL016858	471.00	472.00	1.00	0.01
			KL016859	479.00	480.00	1.00	0.00
			KL016861	480.00	481.00	1.00	0.01
			KL016862	481.00	482.00	1.00	0.01
			KL016863	482.00	483.00	1.00	0.10
			KL016864	483.00	484.00	1.00	0.05
			KL016865	484.00	485.00	1.00	0.03
			KL016866	500.00	500.50	0.50	0.02
			KL016867	500.50	501.00	0.50	0.01
			KL016868	501.00	501.50	0.50	0.03
			KL016869	501.50	502.00	0.50	0.03
		KL016871	502.00	503.00	1.00	0.04	
		KL009966	503.00	503.50	0.50	0.01	
		KL016872	503.00	504.00	1.00	0.02	
		KL016873	504.00	504.50	0.50	0.03	
		KL016874	504.50	505.00	0.50	0.01	
		KL016875	505.00	506.00	1.00	0.02	
		KL016876	506.00	506.50	0.50	0.03	
		KL016877	506.50	507.00	0.50	0.01	

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
515.00	623.40	BaFBx, Melkior - Basalt Flow Breccia SAA, dark green, chloritic, locally carbonaceous, locally sericitic and epidotitic, diffuse locally brecciated textures, approx 2 to 3% disseminated and scattered subhedral to euhedral py xl, from 516.0 to 517 bleached basalt, @ 517.3 5 cm fractured buff feldspar-carbonate vn parallel to CA with 1 to 2% disseminated py, @ 521.4 5 cm carbonate vn subparallel to CA with 1 to 2% disseminated py, 2 523.5 1 cm carbonate stringer @ 30 DTCA with 2 to 3% disseminated py and subhedral py throughout surrounding wallrock, @ 530.5 0.5 meters of grey carbonaceous alteration zone with approx 1 to 2% disseminated py, from 540 to 542 scattered carb vnt' @ 40 to 60 DTCA, approx 1 to 2% disseminated py, from 550 to 555 ladder-like arrangement of abundant carb vng oriented from 40 to 60 DTCA, approx 1 to 2% disseminated py, @ 566.6 7 cm carbonate vn @ 50 DTCA with scattered subhedral py, @ 574.1 15 cm qtz-carb-hematite vn @ 30 DTCA with approx 35-40% specular hematite and approx 1 to 2% disseminated py, @ 574.6 9 cm qtz-carb vn @ 50 DTCA with 1 to 2% disseminated py, @ 583.1 6 cm carbonate vn @ 60 DTCA with 1 to 2% disseminated py, @ 588.7 10 zone of brecciated hyaloclastite with 4 to 5% clusters of subhedral py, @ 590.4 10 cm zone of brecciated hyaloclastite with approx 4 to 5% disseminated and subhedral py, @ 593 brecciated carbonaceous hyaloclastite with 2 to 3% subhedral py, @ 594.6 10 cm zone of brecciated hyaloclastite with 3 to 4% disseminated py, @ 611.3 3 cm massive pyritic vn @ 40 DTCA, @ 611.85 2 cm band of semi-massive py perpendicular to CA, from 620.1 to 620.2 dark chloritic zone @ 40 DTCA with 3 to 4% subhedral py, @ 622.4 1 cm stringer of approx 10 to 15% cluster of subhedral py @ 40 DTCA, shp FW ct @ 30 DTCA	KL016878	516.00	517.00	1.00	0.01
			KL016879	517.00	518.00	1.00	0.01
			KL016881	518.00	519.00	1.00	0.01
			KL016882	519.00	520.00	1.00	0.01
			KL016883	520.00	521.00	1.00	0.01
			KL016884	521.00	521.50	0.50	0.01
			KL016885	521.50	522.00	0.50	0.07
			KL016886	522.00	523.00	1.00	0.02
			KL016887	523.00	524.00	1.00	0.01
			KL016888	530.00	530.50	0.50	0.00
			KL016889	530.50	531.00	0.50	0.00
			KL016891	531.00	532.00	1.00	0.00
			KL016892	540.00	541.00	1.00	0.00
			KL016893	541.00	542.00	1.00	0.01
			KL016894	549.00	550.00	1.00	0.00
			KL016895	550.00	551.00	1.00	0.00
			KL016896	551.00	552.00	1.00	0.00
			KL016897	552.00	553.00	1.00	0.00
			KL016898	553.00	554.00	1.00	0.01
			KL016899	554.00	555.00	1.00	0.02
			KL016901	565.00	566.00	1.00	0.00
			KL016902	566.00	567.00	1.00	0.00
			KL016903	567.00	568.00	1.00	0.01
			KL016904	568.00	569.00	1.00	0.00
			KL016905	569.00	570.00	1.00	0.01
		KL016906	570.00	571.00	1.00	0.19	
		KL016907	571.00	572.00	1.00	0.03	
		KL016908	572.00	573.00	1.00	0.01	
		KL016909	573.00	574.00	1.00	0.01	
		KL016911	574.00	575.00	1.00	0.01	
		KL016912	575.00	576.00	1.00	0.01	
		KL016913	583.00	584.00	1.00	0.02	
		KL016914	584.00	585.00	1.00	0.01	
		KL016915	585.00	586.00	1.00	0.01	
		KL016916	586.00	587.00	1.00	0.00	
		KL016917	587.00	588.00	1.00	0.01	
		KL016918	588.00	588.50	0.50	0.01	
		KL016919	588.50	589.00	0.50	0.09	
		KL016921	589.00	589.50	0.50	0.04	
		KL016922	589.50	590.00	0.50	0.01	
		KL016923	590.00	590.50	0.50	0.10	
		KL016924	590.50	591.00	0.50	0.15	
		KL016925	591.00	592.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL016926	592.00	593.00	1.00	0.00
			KL016927	593.00	594.00	1.00	0.01
			KL016928	594.00	594.50	0.50	0.10
			KL016929	594.50	595.00	0.50	0.01
			KL016931	595.00	596.00	1.00	0.01
			KL016932	600.00	601.00	1.00	0.00
			KL016933	601.00	602.00	1.00	0.00
			KL016934	602.00	603.00	1.00	0.00
			KL009967	602.50	603.00	0.50	0.00
			KL016935	603.00	604.00	1.00	0.00
			KL016936	604.00	605.00	1.00	0.00
			KL016937	605.00	606.00	1.00	0.00
			KL016938	606.00	607.00	1.00	0.00
			KL016939	607.00	608.00	1.00	0.02
			KL016941	608.00	609.00	1.00	0.00
			KL016942	609.00	610.00	1.00	0.03
			KL016943	610.00	611.00	1.00	0.02
			KL016944	611.00	611.50	0.50	0.29
			KL016945	611.50	612.00	0.50	0.17
			KL016946	612.00	613.00	1.00	0.06
			KL016947	613.00	614.00	1.00	0.02
			KL016948	614.00	615.00	1.00	0.01
			KL016949	615.00	616.00	1.00	0.01
			KL016951	616.00	617.00	1.00	0.01
			KL016952	617.00	618.00	1.00	0.00
			KL016953	618.00	619.00	1.00	0.00
			KL016954	619.00	620.00	1.00	0.00
			KL016955	620.00	621.00	1.00	0.00
			KL016956	621.00	622.00	1.00	0.02
			KL016957	622.00	622.50	0.50	0.23
			KL016958	622.50	623.00	0.50	0.00
			KL016959	623.00	623.40	0.40	0.02

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
623.40	653.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, medium grained with potassic and interstitial carbonate, strongly carbonaceous with abundant pyritic stringers and vnt', glomeroporphyritic, homogeneous, @ 625.5 5 cm carbonate-chlorite vnt @ 70 DTCA with 3 to 4% patchy subhedral py, @ 623.7 5 cm carbonaceous vnt perpendicular to CA with 4 to 5% patchy py, from 629.8 to 630.2 series of semi-massive pyritic vnt' with 3 cm semi-massive pyritic vnt @ 630 meters approx 20 to 25% py throughout 40 cm, @ 630.8 2 cm pyritic vnt @ 40 DTCA, @ 631.1 3 cm massive pyritic vnt @ 70 DTCA, @ 631.6 2 1 cm semi-massive pyritic stringers @ 60 DTCA, @ 633.1 2 cm qtz-carb stringer @ 70 DTCA with 12 to 15% subhedral py, @ 637.7 3 cm semi-massive pyritic vnt perpendicular to CA, @ 638.1 2 1 cm pyritic stringers within carbonaceous zone @ 50 DTCA, @ 639.3 2 cm semi-massive pyritic band perpendicular to CA, @ 641 10 cm carbonaceous zone with 3 1 cm pyritic stringers @ 50 DTCA, from 643.7 to 643.8 dark grey carbonaceous zone with 5 cm semi massive pyritic vn @ 70 DTCA, @ 645.1 1 cm pyritic stringer @ 60 DTCA, shp FW ct @ 30 DTCA	KL016961	623.40	624.00	0.60	0.04
			KL016962	624.00	625.00	1.00	0.00
			KL016963	625.00	626.00	1.00	0.05
			KL016964	626.00	627.00	1.00	0.00
			KL016965	627.00	628.00	1.00	0.00
			KL016966	628.00	629.00	1.00	0.01
			KL016967	629.00	629.50	0.50	0.04
			KL016968	629.50	630.00	0.50	0.86
			KL016969	630.00	630.50	0.50	7.16
			KL016971	630.50	631.00	0.50	0.81
			KL016972	631.00	631.50	0.50	5.04
			KL016973	631.50	632.00	0.50	0.86
			KL016974	632.00	633.00	1.00	0.02
			KL016975	633.00	633.50	0.50	0.35
			KL016976	633.50	634.00	0.50	0.01
			KL016977	634.00	635.00	1.00	0.00
			KL016978	635.00	635.50	0.50	0.00
			KL016979	635.50	636.00	0.50	0.01
			KL016981	636.00	637.00	1.00	0.00
			KL016982	637.00	637.50	0.50	0.00
			KL016983	637.50	638.00	0.50	1.16
			KL016984	638.00	638.50	0.50	0.17
			KL016985	638.50	639.00	0.50	0.01
			KL016986	639.00	639.50	0.50	0.96
			KL016987	639.50	640.00	0.50	0.01
			KL016988	640.00	641.00	1.00	0.01
			KL016989	641.00	641.50	0.50	0.67
			KL016991	641.50	642.00	0.50	0.01
			KL016992	642.00	642.50	0.50	1.53
			KL016993	642.50	643.00	0.50	0.17
		KL016994	643.00	643.50	0.50	0.06	
		KL016995	643.50	644.00	0.50	51.90	
		KL016996	644.00	645.00	1.00	0.44	
		KL016997	645.00	645.50	0.50	0.19	
		KL016998	645.50	646.00	0.50	0.01	
		KL016999	646.00	647.00	1.00	0.03	
		KL017001	647.00	648.00	1.00	0.03	
		KL017002	648.00	649.00	1.00	0.02	
		KL017003	649.00	650.00	1.00	0.00	
		KL017004	650.00	651.00	1.00	0.00	
		KL017005	651.00	652.00	1.00	0.01	
		KL017006	652.00	653.40	1.40	0.00	

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
653.40	683.70	BaFBx, Melkior - Basalt Flow Breccia SAA, dark green, chloritic, locally carbonaceous, locally sericitic and epidotitic, diffuse locally brecciated textures, @ 655.8 5 cm carb-pyrite vn @ 50 DTCA with approx 45 to 50% semi-massive py, @ 659.5 10 cm grey carbonate vn @ 50 DTCA, from 660 to 681 locally brecciated, patchy epidotitic alteration, moderately fractured from 671 to 678 meters, approx 1 to 2% disseminated py	KL017007	653.40	654.00	0.60	0.00
			KL017008	654.00	655.00	1.00	0.02
			KL017009	655.00	655.50	0.50	0.01
			KL017011	655.50	656.00	0.50	2.03
			KL017012	656.00	657.00	1.00	0.02
			KL017013	657.00	658.00	1.00	0.01
			KL017014	658.00	659.00	1.00	0.00
			KL017015	659.00	659.50	0.50	0.00
			KL017016	659.50	660.00	0.50	1.36
			KL017017	660.00	661.00	1.00	0.00
			KL017018	676.00	677.00	1.00	0.00
			KL017019	677.00	678.00	1.00	0.00
			KL017021	678.00	679.00	1.00	0.00
			KL017022	679.00	680.00	1.00	0.00
			KL017023	680.00	681.00	1.00	0.00
			KL017024	681.00	682.00	1.00	0.00
			KL017025	682.00	683.00	1.00	0.00
			KL017026	683.00	683.70	0.70	0.00
683.70	685.00	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, medium grained with potassic and interstitial carbonate, strongly carbonaceous, shp HW and FW ct' parallel to CA, approx 1 to 2% disseminated py	KL017027	683.70	684.50	0.80	0.02
			KL017028	684.50	685.00	0.50	0.01
685.00	694.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous and siliceous, flowy texture, moderately foliated with foliation @ 30 DTCA, approx 1 to 2% scattered subhedral py, scattered qtz-calcite infilled tension gashes @ 60 to 70 DTCA, approx 1 to 2% disseminated py	KL017029	685.00	686.00	1.00	0.02
694.90	700.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, potassic, carbonatized, medium grained, slightly silicified, massive, homogeneous, glomeroporphyritic, approx 1 to 2% disseminated py throughout, shp fractured, faulted HW and FW ct' @ 80 and 50 DTCA respectively	KL017031	694.90	696.00	1.10	0.01
			KL017032	696.00	697.00	1.00	0.00
			KL017033	697.00	698.00	1.00	0.00
			KL017034	698.00	699.00	1.00	0.00
			KL017035	699.00	699.50	0.50	0.00
			KL017036	699.50	700.40	0.90	0.04

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
700.40	775.70	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, locally sericitic and epidotitic, diffuse locally brecciated textures, from 708 to 708.2 orange potassic granodioritic dike perpendicular to CA, tr sul, from 708.8 to 709.1 carbonaceous and feldspathic alteration zone @ 50 DTCA with 2 to 3% blebby py and patch of chalcopyrite, @ 715.2 approx 4 to 5% blebby and subhedral clusters of py aligned parallel to foliation @ 50 DTCA, from 716.1 to 716.4 approx 4 to 5% patchy sphalerite within qtz-carb sts parallel to CA, @ 716.9 approx 5 to 6% clusters of subhedral py aligned parallel to foliation @ 40 DTCA, @ 747.5 4 cm semi-massive pyritic qtz-carb vn with approx 35 to 40% py, @ 749.5 2 cm carb stringer @ 70 DTCA with 8 to 10% columnar aggregates of py, @ 750.3 3 cm carb vnt @ 50 DTCA with 8 to 10% columnar aggregates of py, @ 756.2 10 cm carb alteration zone with 6 to 7% disseminated and subhedral py, @ 765.2 10 cm carb alteration zone with 6 to 7% disseminated and subhedral py, fractured FW ct marked by 2 cm qtz-carb vnt @ 40 DTCA, tr sul	KL017037	700.40	701.00	0.60	0.03
			KL009968	707.00	707.50	0.50	0.01
			KL017038	708.00	708.50	0.50	0.03
			KL017039	708.50	709.00	0.50	0.19
			KL017041	709.00	710.00	1.00	0.03
			KL017042	710.00	711.00	1.00	0.01
			KL017043	711.00	712.00	1.00	0.00
			KL017044	712.00	713.00	1.00	0.00
			KL017045	713.00	714.00	1.00	0.00
			KL017046	714.00	715.00	1.00	0.00
			KL017047	715.00	715.50	0.50	0.00
			KL017048	715.50	716.00	0.50	0.00
			KL017049	716.00	716.50	0.50	0.01
			KL017051	716.50	717.00	0.50	0.01
			KL017052	717.00	718.00	1.00	0.00
			KL017053	718.00	719.00	1.00	0.00
			KL017054	719.00	720.00	1.00	0.00
			KL017055	736.00	737.00	1.00	0.02
			KL017056	737.00	738.00	1.00	0.01
			KL017057	738.00	739.00	1.00	0.01
			KL017058	739.00	740.00	1.00	0.01
			KL017059	740.00	741.00	1.00	0.01
			KL017061	741.00	742.00	1.00	0.01
			KL017062	742.00	743.00	1.00	0.01
			KL017063	743.00	744.00	1.00	0.01
			KL017064	744.00	745.00	1.00	0.08
			KL017065	745.00	746.00	1.00	0.02
			KL017066	746.00	747.00	1.00	0.02
			KL017067	747.00	747.50	0.50	0.23
			KL017068	747.50	748.00	0.50	1.85
			KL017069	748.00	748.50	0.50	0.02
			KL017071	748.50	749.00	0.50	0.09
			KL017072	749.00	749.50	0.50	0.21
		KL017073	749.50	750.00	0.50	0.01	
		KL017074	750.00	750.50	0.50	0.36	
		KL017075	750.50	751.00	0.50	0.01	
		KL017076	751.00	752.00	1.00	0.01	
		KL017077	752.00	753.00	1.00	0.01	
		KL017078	753.00	754.00	1.00	0.01	
		KL017079	754.00	755.00	1.00	0.01	
		KL017081	755.00	756.00	1.00	0.01	
		KL017082	756.00	757.00	1.00	0.02	
		KL017083	757.00	758.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017084	758.00	759.00	1.00	0.01
			KL017085	759.00	760.00	1.00	0.01
			KL017086	760.00	761.00	1.00	0.02
			KL017087	761.00	762.00	1.00	0.01
			KL017088	762.00	763.00	1.00	0.01
			KL017089	763.00	764.00	1.00	0.03
			KL017091	764.00	765.00	1.00	0.01
			KL017092	765.00	765.50	0.50	0.12
			KL017093	765.50	766.00	0.50	0.01
			KL017094	775.00	775.70	0.70	0.01
775.70	804.20	QFP, QUARTZ FELDSPAR PORPHYRY from 775.7 to 780.7 light grey, feldspathic, siliceous and chloritic, medium grained and mottled with albitic phenocrysts, from 780.7 to 788.5 light green, silicified, sericitic, potassic, medium grained and mottled with albitic phenocrysts, from 788.5 to 804.2 burgandy reddish hue, medium grained, potassic and hematitic and mottled with albitic phenocrysts, @ 778.9 2 cm patch of semi-massive py, @ 779.1 1 cm stringer of apprx 8 to 10% columnar subhedral py @ 50 DTCA, approx 2 to 3% disseminated clots of subhedral py from 775.7 to 788.5 meters within silicified, sericitized and potassic phase of QFP	KL017095	775.70	776.50	0.80	0.01
			KL017096	776.50	777.00	0.50	0.01
			KL017097	777.00	778.00	1.00	0.01
			KL017098	778.00	778.50	0.50	0.02
			KL017099	778.50	779.00	0.50	0.05
			KL017101	779.00	779.50	0.50	0.03
			KL017102	779.50	780.00	0.50	0.02
			KL017103	780.00	780.50	0.50	0.02
			KL017104	780.50	781.00	0.50	0.03
			KL017105	781.00	782.00	1.00	0.01
			KL017106	782.00	783.00	1.00	0.02
			KL017107	783.00	784.00	1.00	0.01
			KL017108	784.00	785.00	1.00	0.08
			KL017109	785.00	786.00	1.00	0.07
			KL017111	786.00	787.00	1.00	0.10
			KL017112	787.00	788.00	1.00	0.10
			KL017113	788.00	789.00	1.00	0.11
			KL017114	789.00	790.00	1.00	0.13
			KL017115	790.00	791.00	1.00	0.12
			KL017116	791.00	792.00	1.00	0.28
			KL017117	800.00	801.00	1.00	0.04
			KL017118	801.00	802.00	1.00	0.06
			KL017119	802.00	803.00	1.00	0.32
			KL017121	803.00	804.20	1.20	0.28

Hole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
804.20	882.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, locally sericitic and epidotitic, diffuse locally brecciated textures, from 806 to 811, slightly more medium grained and massive, possible gabbro, moderately foliated with foliation @ 40 to 50 DTCA, @ 804.8 1 cm ribbon of columnar subhedral py @ 60 DTCA, @ 805.2 1 cm, smear of subhedral py @ 50 DTCA, approx 8 to 10% py, @ 809.9 2 1 cm stringers of approx 8 to 10% sunhedral py @ 50 DTCA, from 812.3 to 812.7 approx 7 to 8% clusters of subhedral py, @ 814.1 smear of chalcopyrite within 1 cm carb stringer parallel to CA, possible vg, 2 516 5 cm carb with HW and FW ct' @ 80 and 60 DTCA with 4 to 5% subhedral clusters of py localized along vn FW ct, from 823 to 824 light green sericitized and slightly siliceous alteration zone with approx 1 to 2% disseminated py, @ 827.1 3 cm carbonate vnt @ 30 DTCA with 1 to 2% disseminated py, @ 827.6 3 cm qtz vnt @ 30 DTCA with 2 to 3% subhedral py, from 829.8 to 830.2 approx 3 to 4% disseminated and subhedral py xl' within chloritized alteration zone, @ 830.9 3 cm qtz vn rimmed with carb @ 60 DTCA with 1 to 2% disseminated py, @ 846.1 15 cm white qtz vn with HW and FW ct' @ 20 and 80 DTCA respectively, approx 1 to 2% disseminated py localized along vn ct', from 846.4 to 847 flowy hematitic alteration zone, possible BIF, with specular hematite and approx 1 to 2% disseminated py, moderately foliated with foliation @ 40 to 50 DTCA, from 849 to 858 unit mottled with pinkish to green potassic and sericitic subrounded cherty clasts and fragments up to 5 cm in width, tr sul, 858 to 864 abundant qtz-calcite infilled tension gashes @ 50 to 80 DTCA, from 867 to 870 moderately fractured with fractures parallel to CA, from 872.6 to 873.1 4 cm qtz-chl-hematite vn parallel to CA with 1 to 2% disseminated py, from 876 to 877.3 3 cm white qtz-carb vn parallel to CA with 1 to 2% disseminated py throughout surrounding wallrock, from 877 to 882 scattered qtz-calcite infilled tension gashes @ 60 to 80 DTCA, approx 1 to 2% disseminated py, EOH @ 882 meters	KL017122	804.20	805.00	0.80	0.07
			KL017123	805.00	805.50	0.50	0.03
			KL017124	805.50	806.00	0.50	0.00
			KL017125	806.00	807.00	1.00	0.00
			KL017126	807.00	808.00	1.00	0.03
			KL017127	808.00	809.00	1.00	0.05
			KL017128	809.00	809.50	0.50	0.00
			KL017129	809.50	810.00	0.50	0.00
			KL017131	810.00	811.00	1.00	0.02
			KL017132	811.00	812.00	1.00	0.00
			KL017133	812.00	813.00	1.00	0.06
			KL017134	813.00	814.00	1.00	0.00
			KL017135	814.00	814.50	0.50	0.00
			KL017136	814.50	815.00	0.50	0.01
			KL017137	815.00	815.50	0.50	0.01
			KL017138	815.50	816.00	0.50	0.04
			KL017139	816.00	817.00	1.00	0.04
			KL017141	817.00	818.00	1.00	0.00
			KL009969	818.00	818.50	0.50	0.01
			KL017142	818.00	819.00	1.00	0.01
			KL017143	823.00	824.00	1.00	0.01
			KL017144	824.00	825.00	1.00	0.01
			KL017145	825.00	826.00	1.00	0.01
			KL017146	826.00	827.00	1.00	0.01
			KL017147	827.00	827.50	0.50	0.01
			KL017148	827.50	828.00	0.50	0.01
			KL017149	828.00	829.00	1.00	0.01
			KL017151	829.00	830.00	1.00	0.01
			KL017152	830.00	831.00	1.00	0.01
			KL017153	842.00	843.00	1.00	0.03
			KL017154	843.00	844.00	1.00	0.05
			KL017155	844.00	845.00	1.00	0.04
			KL017156	845.00	846.00	1.00	0.06
		KL017157	846.00	846.50	0.50	0.07	
		KL017158	846.50	847.00	0.50	0.00	
		KL017159	847.00	848.00	1.00	0.02	
		KL017161	859.00	860.00	1.00	0.01	
		KL017162	860.00	861.00	1.00	0.00	
		KL017163	861.00	862.00	1.00	0.01	
		KL017164	862.00	863.00	1.00	0.01	
		KL017165	863.00	864.00	1.00	0.01	
		KL017166	872.00	873.00	1.00	0.02	
		KL017167	873.00	874.00	1.00	0.01	

DETAILED LOGHole Number: **CAR-21-20**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017168	874.00	875.00	1.00	0.01
			KL017169	875.00	876.00	1.00	0.01
			KL017171	876.00	877.00	1.00	0.01
			KL017172	877.00	878.00	1.00	0.29
			KL017173	878.00	879.00	1.00	0.01
			KL017174	879.00	880.00	1.00	0.01
			KL017175	880.00	881.00	1.00	0.01
			KL017176	881.00	882.00	1.00	0.03

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016719	115.00	115.50	0.0070
KL016721	115.50	116.00	0.0025
KL016722	116.00	116.50	0.0320
KL016723	116.50	117.00	0.0510
KL016724	117.00	118.00	0.0060
KL016725	127.50	128.00	0.0120
KL016726	128.00	129.00	0.0070
KL016727	129.00	130.00	0.0025
KL016728	132.00	133.00	0.0025
KL016729	133.00	134.00	0.0025
KL016731	134.00	134.60	0.0025
KL016732	140.00	140.70	0.0060
KL016733	140.70	141.70	0.0025
KL016734	141.70	142.50	0.0025
KL016735	149.00	150.00	0.0025
KL016736	150.00	151.00	0.0025
KL016737	151.00	152.00	0.0025
KL016738	152.00	153.00	0.0050
KL016739	166.00	166.60	0.0025
KL016741	166.60	167.10	0.0025
KL016742	167.10	167.70	0.0050
KL016743	264.00	265.00	0.0210
KL016744	265.00	265.50	0.0500
KL016745	265.50	266.40	0.0450
KL016746	266.40	267.00	0.0280
KL016747	267.00	268.00	0.0410
KL016748	268.00	269.00	0.0760
KL016749	269.00	270.00	0.0025

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016751	270.00	271.00	0.0140
KL016752	271.00	272.00	0.0090
KL016753	272.00	273.00	0.0220
KL016754	273.00	274.00	0.0130
KL016755	274.00	275.00	0.0120
KL016756	282.00	283.00	0.0140
KL016757	283.00	284.00	3.3600
KL016758	284.00	285.00	7.8500
KL016759	285.00	286.00	0.2350
KL016761	286.00	287.00	0.0025
KL016762	287.00	288.00	0.0025
KL016763	307.50	308.40	0.0025
KL016764	308.40	309.00	0.0240
KL016765	309.00	309.50	0.0025
KL016766	309.50	310.00	0.0610
KL016767	310.00	311.00	0.0060
KL016768	311.00	312.00	0.0250
KL016769	312.00	313.00	0.0370
KL016771	313.00	314.00	0.0250
KL016772	314.00	315.00	0.0120
KL016773	315.00	316.00	0.0090
KL016774	316.00	317.00	0.0240
KL016775	317.00	318.00	0.0025
KL016776	318.00	319.00	0.0025
KL016777	319.00	320.00	0.0025
KL016778	320.00	321.00	0.0025
KL016779	321.00	322.00	0.0025
KL016781	322.00	323.00	0.0025
KL016782	323.00	324.00	0.0025
KL016783	324.00	325.00	0.0025
KL016784	325.00	326.00	0.0025
KL016785	326.00	327.00	0.0025
KL016786	327.00	328.00	0.0025
KL016787	328.00	329.00	0.0025
KL016788	329.00	330.00	0.0025
KL016789	330.00	331.00	0.0025
KL016791	331.00	332.00	0.0025
KL016792	332.00	333.00	0.0025
KL016793	339.00	340.00	0.0025

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016794	340.00	341.00	0.0025
KL016795	341.00	342.00	0.0025
KL016796	342.00	343.00	0.0050
KL016797	343.00	344.00	0.0025
KL016798	344.00	345.00	0.0025
KL016799	345.00	346.00	0.0025
KL016801	346.00	347.00	0.0060
KL016802	347.00	348.00	0.0025
KL016803	348.00	349.00	0.0025
KL016804	349.00	350.00	0.0025
KL016805	350.00	351.00	0.0025
KL016806	351.00	352.00	0.0025
KL016807	352.00	353.00	0.0060
KL016808	353.00	354.00	0.0050
KL016809	374.00	375.00	0.0050
KL016811	375.00	376.00	0.0050
KL016812	376.00	377.00	0.0060
KL016813	377.00	378.00	0.0060
KL016814	378.00	379.00	0.0110
KL016815	379.00	380.00	0.0060
KL016816	380.00	381.00	0.0570
KL016817	381.00	382.00	0.0080
KL016818	382.00	383.00	0.0070
KL016819	426.00	427.00	0.0140
KL016821	427.00	428.00	0.2140
KL016822	428.00	429.00	0.0100
KL016823	429.00	430.00	0.0120
KL016824	430.00	431.00	0.0310
KL016825	431.00	432.00	0.0330
KL016826	432.00	433.00	0.0090
KL016827	433.00	434.00	0.0230
KL016828	434.00	435.00	0.0530
KL016829	435.00	436.00	0.0240
KL016831	436.00	437.00	0.0090
KL016832	437.00	438.00	0.0050
KL016833	438.00	439.00	0.0025
KL016834	439.00	439.50	0.0025
KL016835	439.50	440.00	0.0320
KL016836	440.00	440.50	0.0620

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016837	440.50	441.00	0.0025
KL016838	441.00	441.50	0.0070
KL016839	441.50	442.00	0.0060
KL016841	442.00	442.50	0.0590
KL016842	442.50	443.00	0.0110
KL016843	443.00	444.00	0.0090
KL016844	444.00	445.00	0.0250
KL016845	445.00	446.00	0.0180
KL016846	446.00	447.00	0.0025
KL016847	447.00	448.00	0.0025
KL016848	463.00	464.00	0.0025
KL016849	464.00	465.00	0.0025
KL016851	465.00	465.50	0.0025
KL016852	465.50	466.30	0.0025
KL016853	466.30	467.00	0.0025
KL016854	467.00	468.00	0.0050
KL016855	468.00	469.00	0.0025
KL016856	469.00	470.00	0.0100
KL016857	470.00	471.00	0.0070
KL016858	471.00	472.00	0.0070
KL016859	479.00	480.00	0.0025
KL016861	480.00	481.00	0.0060
KL016862	481.00	482.00	0.0050
KL016863	482.00	483.00	0.0990
KL016864	483.00	484.00	0.0480
KL016865	484.00	485.00	0.0310
KL016866	500.00	500.50	0.0180
KL016867	500.50	501.00	0.0070
KL016868	501.00	501.50	0.0340
KL016869	501.50	502.00	0.0320
KL016871	502.00	503.00	0.0430
KL016872	503.00	504.00	0.0220
KL016873	504.00	504.50	0.0260
KL016874	504.50	505.00	0.0080
KL016875	505.00	506.00	0.0210
KL016876	506.00	506.50	0.0270
KL016877	506.50	507.00	0.0070
KL016878	516.00	517.00	0.0100
KL016879	517.00	518.00	0.0120

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016881	518.00	519.00	0.0100
KL016882	519.00	520.00	0.0090
KL016883	520.00	521.00	0.0060
KL016884	521.00	521.50	0.0090
KL016885	521.50	522.00	0.0650
KL016886	522.00	523.00	0.0170
KL016887	523.00	524.00	0.0070
KL016888	530.00	530.50	0.0025
KL016889	530.50	531.00	0.0025
KL016891	531.00	532.00	0.0025
KL016892	540.00	541.00	0.0025
KL016893	541.00	542.00	0.0050
KL016894	549.00	550.00	0.0025
KL016895	550.00	551.00	0.0025
KL016896	551.00	552.00	0.0025
KL016897	552.00	553.00	0.0025
KL016898	553.00	554.00	0.0050
KL016899	554.00	555.00	0.0200
KL016901	565.00	566.00	0.0025
KL016902	566.00	567.00	0.0025
KL016903	567.00	568.00	0.0140
KL016904	568.00	569.00	0.0025
KL016905	569.00	570.00	0.0070
KL016906	570.00	571.00	0.1880
KL016907	571.00	572.00	0.0320
KL016908	572.00	573.00	0.0130
KL016909	573.00	574.00	0.0090
KL016911	574.00	575.00	0.0140
KL016912	575.00	576.00	0.0060
KL016913	583.00	584.00	0.0170
KL016914	584.00	585.00	0.0090
KL016915	585.00	586.00	0.0070
KL016916	586.00	587.00	0.0025
KL016917	587.00	588.00	0.0110
KL016918	588.00	588.50	0.0120
KL016919	588.50	589.00	0.0900
KL016921	589.00	589.50	0.0400
KL016922	589.50	590.00	0.0140
KL016923	590.00	590.50	0.1010

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016924	590.50	591.00	0.1510
KL016925	591.00	592.00	0.0070
KL016926	592.00	593.00	0.0025
KL016927	593.00	594.00	0.0100
KL016928	594.00	594.50	0.1040
KL016929	594.50	595.00	0.0110
KL016931	595.00	596.00	0.0100
KL016932	600.00	601.00	0.0025
KL016933	601.00	602.00	0.0025
KL016934	602.00	603.00	0.0025
KL016935	603.00	604.00	0.0025
KL016936	604.00	605.00	0.0025
KL016937	605.00	606.00	0.0025
KL016938	606.00	607.00	0.0025
KL016939	607.00	608.00	0.0220
KL016941	608.00	609.00	0.0025
KL016942	609.00	610.00	0.0250
KL016943	610.00	611.00	0.0180
KL016944	611.00	611.50	0.2870
KL016945	611.50	612.00	0.1690
KL016946	612.00	613.00	0.0550
KL016947	613.00	614.00	0.0190
KL016948	614.00	615.00	0.0080
KL016949	615.00	616.00	0.0130
KL016951	616.00	617.00	0.0060
KL016952	617.00	618.00	0.0025
KL016953	618.00	619.00	0.0025
KL016954	619.00	620.00	0.0025
KL016955	620.00	621.00	0.0025
KL016956	621.00	622.00	0.0150
KL016957	622.00	622.50	0.2290
KL016958	622.50	623.00	0.0025
KL016959	623.00	623.40	0.0180
KL016961	623.40	624.00	0.0410
KL016962	624.00	625.00	0.0025
KL016963	625.00	626.00	0.0450
KL016964	626.00	627.00	0.0025
KL016965	627.00	628.00	0.0025
KL016966	628.00	629.00	0.0050

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL016967	629.00	629.50	0.0410
KL016968	629.50	630.00	0.8600
KL016969	630.00	630.50	7.1600
KL016971	630.50	631.00	0.8110
KL016972	631.00	631.50	5.0400
KL016973	631.50	632.00	0.8620
KL016974	632.00	633.00	0.0230
KL016975	633.00	633.50	0.3450
KL016976	633.50	634.00	0.0120
KL016977	634.00	635.00	0.0025
KL016978	635.00	635.50	0.0025
KL016979	635.50	636.00	0.0060
KL016981	636.00	637.00	0.0025
KL016982	637.00	637.50	0.0025
KL016983	637.50	638.00	1.1600
KL016984	638.00	638.50	0.1730
KL016985	638.50	639.00	0.0140
KL016986	639.00	639.50	0.9610
KL016987	639.50	640.00	0.0100
KL016988	640.00	641.00	0.0140
KL016989	641.00	641.50	0.6690
KL016991	641.50	642.00	0.0050
KL016992	642.00	642.50	1.5300
KL016993	642.50	643.00	0.1660
KL016994	643.00	643.50	0.0640
KL016995	643.50	644.00	51.9000
KL016996	644.00	645.00	0.4410
KL016997	645.00	645.50	0.1890
KL016998	645.50	646.00	0.0070
KL016999	646.00	647.00	0.0320
KL017001	647.00	648.00	0.0250
KL017002	648.00	649.00	0.0210
KL017003	649.00	650.00	0.0025
KL017004	650.00	651.00	0.0025
KL017005	651.00	652.00	0.0060
KL017006	652.00	653.40	0.0025
KL017007	653.40	654.00	0.0025
KL017008	654.00	655.00	0.0190
KL017009	655.00	655.50	0.0090

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017011	655.50	656.00	2.0300
KL017012	656.00	657.00	0.0170
KL017013	657.00	658.00	0.0050
KL017014	658.00	659.00	0.0025
KL017015	659.00	659.50	0.0025
KL017016	659.50	660.00	1.3600
KL017017	660.00	661.00	0.0025
KL017018	676.00	677.00	0.0025
KL017019	677.00	678.00	0.0025
KL017021	678.00	679.00	0.0025
KL017022	679.00	680.00	0.0025
KL017023	680.00	681.00	0.0025
KL017024	681.00	682.00	0.0025
KL017025	682.00	683.00	0.0025
KL017026	683.00	683.70	0.0025
KL017027	683.70	684.50	0.0240
KL017028	684.50	685.00	0.0090
KL017029	685.00	686.00	0.0190
KL017031	694.90	696.00	0.0100
KL017032	696.00	697.00	0.0025
KL017033	697.00	698.00	0.0025
KL017034	698.00	699.00	0.0025
KL017035	699.00	699.50	0.0025
KL017036	699.50	700.40	0.0390
KL017037	700.40	701.00	0.0270
KL017038	708.00	708.50	0.0290
KL017039	708.50	709.00	0.1910
KL017041	709.00	710.00	0.0300
KL017042	710.00	711.00	0.0100
KL017043	711.00	712.00	0.0025
KL017044	712.00	713.00	0.0025
KL017045	713.00	714.00	0.0025
KL017046	714.00	715.00	0.0025
KL017047	715.00	715.50	0.0025
KL017048	715.50	716.00	0.0025
KL017049	716.00	716.50	0.0100
KL017051	716.50	717.00	0.0050
KL017052	717.00	718.00	0.0025
KL017053	718.00	719.00	0.0025

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017054	719.00	720.00	0.0025
KL017055	736.00	737.00	0.0170
KL017056	737.00	738.00	0.0090
KL017057	738.00	739.00	0.0060
KL017058	739.00	740.00	0.0060
KL017059	740.00	741.00	0.0060
KL017061	741.00	742.00	0.0080
KL017062	742.00	743.00	0.0070
KL017063	743.00	744.00	0.0060
KL017064	744.00	745.00	0.0760
KL017065	745.00	746.00	0.0150
KL017066	746.00	747.00	0.0160
KL017067	747.00	747.50	0.2340
KL017068	747.50	748.00	1.8500
KL017069	748.00	748.50	0.0190
KL017071	748.50	749.00	0.0920
KL017072	749.00	749.50	0.2070
KL017073	749.50	750.00	0.0120
KL017074	750.00	750.50	0.3620
KL017075	750.50	751.00	0.0140
KL017076	751.00	752.00	0.0060
KL017077	752.00	753.00	0.0120
KL017078	753.00	754.00	0.0110
KL017079	754.00	755.00	0.0050
KL017081	755.00	756.00	0.0120
KL017082	756.00	757.00	0.0170
KL017083	757.00	758.00	0.0060
KL017084	758.00	759.00	0.0140
KL017085	759.00	760.00	0.0050
KL017086	760.00	761.00	0.0170
KL017087	761.00	762.00	0.0060
KL017088	762.00	763.00	0.0120
KL017089	763.00	764.00	0.0260
KL017091	764.00	765.00	0.0090
KL017092	765.00	765.50	0.1180
KL017093	765.50	766.00	0.0090
KL017094	775.00	775.70	0.0080
KL017095	775.70	776.50	0.0100
KL017096	776.50	777.00	0.0080

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017097	777.00	778.00	0.0050
KL017098	778.00	778.50	0.0150
KL017099	778.50	779.00	0.0480
KL017101	779.00	779.50	0.0270
KL017102	779.50	780.00	0.0150
KL017103	780.00	780.50	0.0190
KL017104	780.50	781.00	0.0340
KL017105	781.00	782.00	0.0100
KL017106	782.00	783.00	0.0240
KL017107	783.00	784.00	0.0130
KL017108	784.00	785.00	0.0810
KL017109	785.00	786.00	0.0730
KL017111	786.00	787.00	0.0950
KL017112	787.00	788.00	0.0960
KL017113	788.00	789.00	0.1100
KL017114	789.00	790.00	0.1340
KL017115	790.00	791.00	0.1150
KL017116	791.00	792.00	0.2750
KL017117	800.00	801.00	0.0360
KL017118	801.00	802.00	0.0600
KL017119	802.00	803.00	0.3190
KL017121	803.00	804.20	0.2800
KL017122	804.20	805.00	0.0730
KL017123	805.00	805.50	0.0310
KL017124	805.50	806.00	0.0025
KL017125	806.00	807.00	0.0025
KL017126	807.00	808.00	0.0250
KL017127	808.00	809.00	0.0490
KL017128	809.00	809.50	0.0025
KL017129	809.50	810.00	0.0025
KL017131	810.00	811.00	0.0180
KL017132	811.00	812.00	0.0025
KL017133	812.00	813.00	0.0550
KL017134	813.00	814.00	0.0025
KL017135	814.00	814.50	0.0025
KL017136	814.50	815.00	0.0080
KL017137	815.00	815.50	0.0070
KL017138	815.50	816.00	0.0360
KL017139	816.00	817.00	0.0420

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017141	817.00	818.00	0.0025
KL017142	818.00	819.00	0.0080
KL017143	823.00	824.00	0.0060
KL017144	824.00	825.00	0.0070
KL017145	825.00	826.00	0.0060
KL017146	826.00	827.00	0.0090
KL017147	827.00	827.50	0.0070
KL017148	827.50	828.00	0.0080
KL017149	828.00	829.00	0.0080
KL017151	829.00	830.00	0.0090
KL017152	830.00	831.00	0.0120
KL017153	842.00	843.00	0.0280
KL017154	843.00	844.00	0.0450
KL017155	844.00	845.00	0.0400
KL017156	845.00	846.00	0.0640
KL017157	846.00	846.50	0.0650
KL017158	846.50	847.00	0.0025
KL017159	847.00	848.00	0.0190
KL017161	859.00	860.00	0.0080
KL017162	860.00	861.00	0.0025
KL017163	861.00	862.00	0.0050
KL017164	862.00	863.00	0.0130
KL017165	863.00	864.00	0.0130
KL017166	872.00	873.00	0.0200
KL017167	873.00	874.00	0.0110
KL017168	874.00	875.00	0.0090
KL017169	875.00	876.00	0.0050
KL017171	876.00	877.00	0.0090
KL017172	877.00	878.00	0.2860
KL017173	878.00	879.00	0.0070
KL017174	879.00	880.00	0.0080
KL017175	880.00	881.00	0.0070
KL017176	881.00	882.00	0.0290
Sample Type HalfCore			
KL009962	117.00	117.50	0.0025
KL009963	268.50	269.00	0.0600
KL009964	320.50	321.00	0.0025
KL009965	426.00	426.50	0.0025
KL009966	503.00	503.50	0.0120

Hole Number: **CAR-21-20**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type HalfCore			
KL009967	602.50	603.00	0.0025
KL009968	707.00	707.50	0.0060
KL009969	818.00	818.50	0.0050

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -55.00
Project Number: MELKIOR	North: 5358642.00	North: 35567.18	Collar Az: 240.00
Location: Carscallen Township	East: 452055.00	East: -129283.63	Length: 960.00
	Elev: 330.00	Elev: 5030.00	Start Depth: 0.00
Date Started: Dec 06, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Dec 18, 2021	Multishot Survey: N	Hole Size: NQ	Final Depth: 960.00
	Pulse EM Survey: N	Casing: YES	Core Storage: Carscallen

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	240.00	-55.00	EZ Sho	OK		33.00	239.90	-56.10	EZ Sho	OK	
90.00	237.50	-56.50	EZ Sho	OK		141.00	239.90	-56.40	EZ Sho	OK	
192.00	240.40	-56.10	EZ Sho	OK		243.00	239.20	-56.50	EZ Sho	OK	
294.00	242.20	-55.40	EZ Sho	OK		345.00	242.80	-55.10	EZ Sho	OK	
399.00	244.10	-54.60	EZ Sho	OK		450.00	244.80	-54.40	EZ Sho	OK	
501.00	245.20	-54.00	EZ Sho	OK		552.00	245.70	-53.80	EZ Sho	OK	
603.00	246.60	-53.30	EZ Sho	OK		654.00	246.50	-52.90	EZ Sho	OK	
705.00	248.20	-52.70	EZ Sho	OK		759.00	249.10	-52.20	EZ Sho	OK	
810.00	247.90	-52.00	EZ Sho	OK		861.00	250.20	-51.30	EZ Sho	OK	
912.00	250.80	-50.80	EZ Sho	OK		960.00	254.10	-50.70	EZ Sho	OK	

Detailed Lithology			Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
0.00	21.00	OVB, MELKIOR - Overburden						
21.00	39.00	FV, Melkior - Felsic Volcanics light grey green, sericitic, siliceous, mostly massive with localized brecciated sections, scattered qtz-carb vnt' and sts varying in orientation from subparallel to CA to 40 DTCA, approx 2 to 3% disseminated py notably from 33 to 39 meters	KL017177	22.00	23.00	1.00	0.00	
			KL017178	23.00	24.00	1.00	0.00	
			KL017179	24.00	25.00	1.00	0.00	
			KL017181	32.00	33.00	1.00	0.00	
			KL017182	33.00	34.00	1.00	0.00	
			KL017183	34.00	35.00	1.00	0.00	
			KL017184	35.00	36.00	1.00	0.01	
			KL017185	36.00	37.00	1.00	0.00	
			KL017186	37.00	38.00	1.00	0.00	
			KL017187	38.00	39.00	1.00	0.00	

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
39.00	66.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, @ 47.5 6 cm white qtz vn @ 20 DTCA with 1 to 2% disseminated py localized along vn ct', @ 49.6 and 49.9 localized clusters of approx 5 to 6% subhedral py	KL017188	45.00	46.00	1.00	0.00
			KL017189	46.00	47.00	1.00	0.00
			KL017191	47.00	48.00	1.00	0.00
			KL017192	48.00	49.00	1.00	0.01
			KL017193	49.00	50.00	1.00	0.01
			KL017194	50.00	51.00	1.00	0.01
			KL017195	55.00	56.00	1.00	0.01
			KL017196	56.00	57.00	1.00	0.01
			KL017197	57.00	58.00	1.00	0.01
			KL017198	58.00	59.00	1.00	0.01
			KL017199	63.00	64.00	1.00	0.01
			KL017201	64.00	65.00	1.00	0.02
			KL017202	65.00	66.00	1.00	0.01
66.00	69.50	IF, Melkior - Iron Formation dark grey-green to black, chloritic, locally silicified and cherty, patches and bands of magnetite, moderately foliated with foliation @ 50 DTCA, approx 3 to 4% disseminated py and patchy po, shp FW ct @ 60 DTCA	KL017203	66.00	67.00	1.00	0.02
			KL017204	67.00	68.00	1.00	0.04
			KL017205	68.00	69.00	1.00	0.03
			KL017206	69.00	69.50	0.50	0.01
69.50	79.40	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, from 72 to 75 meters, sericitic and epidotitic altered fragmental with qtz-carb vng parallel to CA, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL017207	69.50	70.00	0.50	0.00
			KL017208	72.00	73.00	1.00	0.01
			KL017209	73.00	74.00	1.00	0.00
			KL017211	74.00	75.00	1.00	0.00
			KL017212	75.00	76.00	1.00	0.00
			KL017213	76.00	77.00	1.00	0.05
			KL017214	77.00	78.00	1.00	0.00
			KL017215	78.00	79.00	1.00	0.00
			KL017216	79.00	80.00	1.00	0.01
79.40	89.30	IF, Melkior - Iron Formation dark grey-green to black, chloritic, locally cherty patches, patches and bands of magnetite, moderately foliated with foliation @ 50 DTCA, approx 3 to 4% disseminated py and patchy po, shp FW ct @ 70 DTCA	KL017217	80.00	81.00	1.00	0.00
			KL017218	81.00	82.00	1.00	0.01
			KL017219	82.00	83.00	1.00	0.00
			KL017221	83.00	84.00	1.00	0.00
			KL017222	84.00	85.00	1.00	0.00
			KL017223	85.00	86.00	1.00	0.00
			KL017224	86.00	87.00	1.00	0.00
			KL017225	87.00	88.00	1.00	0.00
			KL017226	88.00	89.00	1.00	0.01
			KL017227	89.00	90.00	1.00	0.02
89.30	108.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, from 96.5 to 97.5 weakly developed magnetite iron formation with patchy magnetite and chloritic wallrock, cherty dolomitic banding @ 70 DTCA, approx 3 to 4% disseminated py,po, from 97.5 to 102 amygdaloidal with qtz vesicles within sericitic alteration envelopes, approx 1 to 2% disseminated py, irregular FW ct @ 50 DTCA	KL017228	96.00	97.00	1.00	0.06
			KL017229	97.00	98.00	1.00	0.00
			KL017231	98.00	99.00	1.00	0.00
			KL017232	107.00	108.00	1.00	0.00

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
108.00	133.70	GAB, Gabbro dark grey green, chloritic, sericitic, medium grained, generally massive and homogeneous with interstitial plagioclase and pyroxenes, @ 106.5 6 cm carbonate vn @ 70 DTCA with 2 to 3% patchy po, @ 109 7 cm carbonate vn perpendicular to CA with 1 to 2% disseminated py, @ 114.9 7 cm qtz-dolomite vn @ 70 DTCA with 2 to 3% disseminated py locd along vn ct', @ 115.4 1 cm grey qtz stringer @ 70 DTCA with 6 to 7% patchy subhedral py, from 124 to 124.8 qtz-carbonate-feldspar-dolomite vn with fractured HW ct and shp FW ct @ 60 DTCA, approx 3 to 4% disseminated py and patchy hematitic alteration, shp FW ct perpendicular to CA	KL017233	108.00	109.00	1.00	0.02
			KL017234	109.00	110.00	1.00	0.02
			KL017235	114.00	115.00	1.00	0.00
			KL017236	115.00	115.50	0.50	0.33
			KL017237	115.50	116.00	0.50	0.02
			KL017238	116.00	117.00	1.00	0.00
			KL017239	119.00	120.00	1.00	0.00
			KL017241	120.00	121.00	1.00	0.00
			KL017242	123.00	124.00	1.00	0.00
			KL017243	124.00	125.00	1.00	0.01
			KL017244	125.00	126.00	1.00	0.00
133.70	150.10	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, from 134.4 to 134.6 orange feldspathic FP dike @ 70 DTCA with 1 to 2% disseminated py,	KL017245	133.70	135.00	1.30	0.00
			KL017246	135.00	136.00	1.00	0.00
			KL017247	136.00	137.00	1.00	0.00
			KL017248	142.00	143.00	1.00	0.05
			KL017249	143.00	144.00	1.00	0.42
			KL017251	144.00	145.00	1.00	0.00
			KL017252	147.00	148.00	1.00	0.01
			KL017253	148.00	149.00	1.00	0.01
			KL017254	149.00	150.10	1.10	0.01
150.10	152.80	IF, Melkior - Iron Formation dark grey-green to black, chloritic, pervasive hematitic alteration, patches and bands of magnetite, moderately foliated with foliation @ 50 DTCA, approx 3 to 4% disseminated py and patchy po, shp FW ct @ 70 DTCA	KL017255	150.10	151.00	0.90	0.01
			KL017256	151.00	152.00	1.00	0.01
			KL017257	152.00	152.80	0.80	0.01
152.80	172.60	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite,, scattered buff dolomitic vn', scattered light grey siliceous alteration zones with streaks of hematite, from 164.7 to 169.5 strongly fractured and blocky core with fractures subparallel to CA, approx 1 to 2% disseminated py, fractured FW ct @ 60 DTCA	KL017258	152.80	154.00	1.20	0.00
			KL017259	154.00	155.00	1.00	0.00
			KL017261	155.00	156.00	1.00	0.00
			KL017262	156.00	157.00	1.00	0.02
			KL017263	157.00	158.00	1.00	0.00
			KL017264	158.00	159.00	1.00	0.03
			KL017265	159.00	160.00	1.00	0.00
172.60	182.00	FZ, Fault Zone dark green, chloritic, weakly carbonaceous, strongly fractured, blocky and vugy core with vugy feldspathic vn' on joint surfaces parallel to CA, approx 1 to 2% disseminated py					

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
182.00	229.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, chloritic, slightly carbonaceous, massive, scattered subhedral clusters of py, approx 4 to 5% overall, @ 182.7 and 182.8 2 1 cm sulphide stringers @ 60 and 70 DTCA, @ 185.3 2 cm sulphide stringer @ 70 DTCA, @ 188.0 3 cm qtz-chl vnt @ 80 DTCA with 10 to 12% subhedral py localized along vnt ct', from 212 to 228, slightly more siliceous, bleached and intermediate in composition, qtz stringer @ 20 DTCA with approx 8 to 10% subhedral pyritic cluster within sericitized alteration halo, from 219 to 219.1 carb sts @ 80 DTCA with 8 to 10% clusters of subhedral py, from 222.25 to 222.5 approx 8 to 10% subhedral py occurring within carb sts @ 30 to 40 DTCA, from 222.5 to 223 carb sts @ 40 to 80 dtca with approx 6 to 7% clusters of subhedral py, @ 226 3 cm grey qtz vnt @ 40 DTCA with 10 to 12% clusters of subhedral py, @ 226.6 3 cm grey qtz-carb vnt @ 50 DTCA with 2 to 3% disseminated py, @ @ 227.1 5 cm qtz-chl vn @ 30 DTCA with 5 to 6% clusters of subhedral py locd along FW ct vn enveloped within sericitic alteration halo	KL017266	182.00	182.50	0.50	0.00
			KL017267	182.50	183.00	0.50	0.15
			KL017268	183.00	183.50	0.50	0.00
			KL017269	183.50	184.00	0.50	0.24
			KL017271	184.00	185.00	1.00	0.00
			KL017272	185.00	185.50	0.50	0.01
			KL017273	185.50	186.00	0.50	0.01
			KL017274	186.00	186.50	0.50	0.00
			KL017275	186.50	187.00	0.50	0.00
			KL017276	187.00	188.00	1.00	0.00
			KL017277	188.00	188.50	0.50	0.06
			KL017278	188.50	189.00	0.50	0.01
			KL017279	189.00	190.00	1.00	0.07
			KL017281	190.00	191.00	1.00	0.01
			KL009970	193.00	193.50	0.50	0.01
			KL017282	195.00	196.00	1.00	0.01
			KL017283	196.00	196.50	0.50	0.13
			KL017284	196.50	197.00	0.50	0.02
			KL017285	197.00	198.00	1.00	0.01
			KL017286	198.00	199.00	1.00	0.01
			KL017287	203.00	204.00	1.00	0.01
			KL017288	204.00	205.00	1.00	0.01
			KL017289	205.00	206.00	1.00	0.01
			KL017291	206.00	207.00	1.00	0.02
			KL017292	207.00	208.00	1.00	0.38
			KL017293	208.00	209.00	1.00	0.01
			KL017294	209.00	210.00	1.00	0.31
			KL017295	210.00	211.00	1.00	0.01
			KL017296	211.00	212.00	1.00	0.01
			KL017297	212.00	213.00	1.00	0.02
			KL017298	213.00	214.00	1.00	0.24
			KL017300	214.00	215.00	1.00	0.01
			KL017301	215.00	216.00	1.00	0.01
		KL017302	216.00	217.00	1.00	0.01	
		KL017303	217.00	218.00	1.00	0.01	
		KL017304	218.00	219.00	1.00	0.03	
		KL017305	219.00	219.50	0.50	0.04	
		KL017306	219.50	220.00	0.50	0.01	
		KL017307	220.00	221.00	1.00	0.01	
		KL017308	221.00	222.00	1.00	0.02	
		KL017309	222.00	222.50	0.50	0.02	
		KL017311	222.50	223.00	0.50	0.04	
		KL017312	223.00	224.00	1.00	0.01	

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017313	224.00	225.00	1.00	0.01
			KL017314	225.00	225.50	0.50	0.16
			KL017315	225.50	226.00	0.50	0.06
			KL017316	226.00	226.50	0.50	0.04
			KL017317	226.50	227.00	0.50	0.06
			KL017318	227.00	227.50	0.50	0.17
			KL017319	227.50	228.00	0.50	0.05
			KL017321	228.00	229.00	1.00	0.07
229.00	275.30	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite,, scattered buff dolomitic vn', from 243.6 to 260 unit mottled with scattered light green sericitized albitic porphyroblasts, @ 234.2 20 cm orange feldspathic porphyritic dike @ 70 DTCA, tr sul, @ from 236.9 to 237.1 orange FP dike with HW and FW ct' @ 80 and 60 DTCA respectively, approx 1 to 2% disseminated py localized @ FW ct, @ 241.9 3 cm grey qtz-carb vnt @ 30 DTCA with 1 to 2% disseminated py, @ 250.7 2 cm qtz-carb vnt perpendicular to CA with 1 to 2% disseminated py, @ 258.6 3 cm qtz-carb-feldspathic vnt @ 80 DTCA with 2 to 3% subhedral py, from 270.4 to 275.3 light grey slightly siliceous and more intermediate in composition, from 271.2 to 271.3 orange feldsaphthic dike @ 50 DTCA with 2 to 3% subhedral py, @ 271.9 3 cm qtz-carb vnt @ 40 DTCA with 1 to 2% disseminated py, from 274.7 to 275.3 light green purplish alteration zone parallel to CA with epidotitic and hematitic alteration, tr sul	KL017322	229.00	230.00	1.00	0.02
			KL017323	230.00	231.00	1.00	0.01
			KL017324	231.00	232.00	1.00	0.02
			KL017325	232.00	233.00	1.00	0.02
			KL017326	233.00	234.00	1.00	0.02
			KL017327	234.00	235.00	1.00	0.01
			KL017328	235.00	235.50	0.50	0.01
			KL017329	235.50	236.00	0.50	0.01
			KL017331	236.00	237.00	1.00	0.02
			KL017332	237.00	238.00	1.00	0.12
			KL017333	241.00	242.00	1.00	0.01
			KL017334	242.00	243.00	1.00	0.01
			KL017335	243.00	244.00	1.00	0.01
			KL017336	244.00	245.00	1.00	0.01
			KL017337	257.00	258.00	1.00	0.01
			KL017338	258.00	258.50	0.50	0.02
			KL017339	258.50	259.00	0.50	0.01
			KL017341	259.00	260.00	1.00	0.02
			KL017342	260.00	261.00	1.00	0.01
			KL017343	270.00	270.50	0.50	0.02
			KL017344	270.50	271.00	0.50	0.02
			KL017345	271.00	271.50	0.50	0.01
			KL017346	271.50	272.00	0.50	0.01
			KL017347	272.00	273.00	1.00	0.02
275.30	291.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, fractured FW ct from 275.3 to 276.4 meters					

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
291.00	322.40	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, strongly fractured blocky core from 298 to 299.7 meters and 304 to 309 meters, probable fault zones with fractures oriented @ 50 to 60 DTCA, epidotitic banding throughout parallel to foliation @ 50 to 60 DTCA, from 301.8 to 302.1 meters pink granodioritic potassic dike @ 30 DTCA, from 301.7 to 301 approx 3 to 4% py occurring as stringers of subhedral py @ 20 to 30 DTCA, @ 303.7 stringer of 4 to 5% subhedral py within microfracture @ 60 DTCA, @ 304 joint surface with patchy cpy, gradational FW ct @ 50 DTCA	KL009971	294.00	294.50	0.50	0.01
			KL017348	299.70	300.50	0.80	0.02
			KL017349	300.50	301.00	0.50	0.04
			KL017351	301.00	301.50	0.50	0.03
			KL017352	301.50	302.00	0.50	0.08
			KL017353	302.00	302.50	0.50	0.03
			KL017354	302.50	303.00	0.50	0.02
			KL017355	303.00	303.50	0.50	0.02
			KL017356	303.50	304.00	0.50	0.03
			KL017357	304.00	305.00	1.00	0.04
			KL017358	305.00	306.00	1.00	0.01
			KL017359	318.00	319.00	1.00	0.01
			KL017361	319.00	320.00	1.00	0.01
			KL017362	320.00	321.00	1.00	0.01
			KL017363	321.00	321.50	0.50	0.00
			KL017364	321.50	322.40	0.90	0.02
322.40	330.30	QFP, QUARTZ FELDSPAR PORPHYRY pinkish reddish hue, potassic, hematitic, silicified, abundant microfractures infilled with chlorite, massive fine grained to aphanitic, may be potassic and hematitic alteration zone, @ 325 3 cm wtx vnt @ 30 DTCA with patchy cpy, strongly fractured and blocky core with fractures parallel to CA, approx 2 to 3% disseminated py, from 332.6 to 332.8 reddish hematitic fp dike @ 80 DTCA with tr sul, gradational FW ct @ 50 DTCA	KL017365	322.40	323.00	0.60	0.01
			KL017366	323.00	324.00	1.00	0.01
			KL017367	324.00	324.50	0.50	0.01
			KL017368	324.50	325.00	0.50	0.01
			KL017369	325.00	326.00	1.00	0.00
			KL017371	326.00	327.00	1.00	0.01
			KL017372	327.00	328.00	1.00	0.00
			KL017373	328.00	329.00	1.00	0.00
			KL017374	329.00	329.50	0.50	0.00
			KL017375	329.50	330.30	0.80	0.00

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
330.30	453.40	<p>BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, from 338.6 to 339.2 orange fractured potassic feldspar porphyritic dike with fractured HW and FW ct' @ 50 DTCA and approx 2 to 3% disseminated py, from 340 to 369 meters strongly fractured core, abundant qtz-carb stringers @ 50 to 60 DTCA, occasional carb-chlorite vnt' and stringers rimmed with potassic alteration envelopes, scattered epidotitic patches throughout, massive and fine grained, from 369 to 369.8 5 cm grey-qtz-carb-chlorite vn parallel to CA with 1 to 2% disseminated py, from 372.9 to 373 10 cm qtz-chl-feldspar vn @ 70 DTCA with approx 1 to 2% disseminated py, from 379 to 383.5 meters strongly fractured and blocky core with hematitic staining on fractured surfaces, probable fault zone, @ 387.3 4 cm qtz-chl-feldspar vnt @ 70 DTCA with tr sul, from 408 to 411 potassic, siliceous and sericitic alteration zone marked by white qtz 10 cm qtz vn @ 408 @ 50 DTCA @ HW ct and 30 cm qtz vn from 410.7 to 411 with HW and FW ct' @ 20 and 50 DTCA respectively, approx 5 to 6% disseminated and subhedral py within vn, from 417 to 435 dark green, chloritic, massive, abundant qtz-carb infilled tension gashes @ 40 to 50 DTCA, @ 426.7 7 cm qtz-feldspar vn with potassic alteration halo @ 70 DTCA, tr sul, from 435 to 450 meters, dark green, chloritic, massive, scattered qtz-chlorite stringers @ 40 to 50 DTCA, tr sul</p>	KL017376	330.30	331.00	0.70	0.00	
				KL017377	331.00	332.00	1.00	0.01
				KL017378	332.00	333.00	1.00	0.00
				KL017379	338.00	339.00	1.00	0.02
				KL017381	339.00	340.00	1.00	0.86
				KL017382	369.00	370.00	1.00	0.01
				KL017383	370.00	371.00	1.00	0.01
				KL017384	371.00	372.00	1.00	0.01
				KL017385	372.00	372.50	0.50	0.01
				KL017386	372.50	373.00	0.50	0.01
				KL017387	373.00	374.00	1.00	0.01
				KL017388	374.00	375.00	1.00	0.01
				KL009972	400.00	400.50	0.50	0.01
				KL017389	407.00	408.00	1.00	0.01
				KL017391	408.00	408.50	0.50	0.01
				KL017392	408.50	409.00	0.50	0.02
				KL017393	409.00	410.00	1.00	0.01
				KL017394	410.00	410.50	0.50	0.01
				KL017395	410.50	411.00	0.50	0.02
				KL017396	411.00	412.00	1.00	0.02
			KL017397	412.00	413.00	1.00	0.01	
			KL017398	413.00	414.00	1.00	0.01	
			KL017399	414.00	415.00	1.00	0.00	
			KL017401	415.00	416.00	1.00	0.01	
			KL017402	425.00	426.00	1.00	0.00	
			KL017403	426.00	426.50	0.50	0.01	
			KL017404	426.50	427.00	0.50	0.00	
			KL017405	427.00	428.00	1.00	0.00	
453.40	455.60	<p>FZ, Fault Zone strongly fractured and blocky core with localized fault gouge, protolith dark green chloritic massive basalt, fractures @ 40 to 50 DTCA, tr sul</p>						
455.60	465.60	<p>BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py</p>						
465.60	471.00	<p>FZ, Fault Zone SAA, strongly fractured and blocky core with localized fault gouge, protolith dark green chloritic massive basalt, fractures @ 40 to 50 DTCA, tr sul</p>						

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
471.00	703.90	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, from 480 to 512 slightly more siliceous and intermediate in composition, massive, fine grained, scattered epidotitic patches, occasional carb sts @ 50 to 70 DTCA, approx 1 to 2% disseminated py, @ 516 3 cm carb vn @ 60 DTCA with 1 to 2% disseminated py, @ 525.4 and 525.8 2 3 cm carb-chl vnt' @ 80 and 60 DTCA respectively, approx 1 to 2% disseminated py, @ 531.4 2 cm grey qtz-carb vnt @ 35 DTCA with 1 to 2% disseminated py, from 533 to 544 dark green, chloritic, massive, scattered qtz-carb infilled tension gashes @ 50 to 60 DTCA, approx 1 to 2% disseminated py, @ 549.4 3 cm grey qtz-carb vnt @ 80 DTCA with tr sul, from 559.7 to 560.1 orange potassic granodioritic dike with shp HW and FW ct' @ 50 DTCA, tr sul, Mineralized zone from 590.5 to 591.6 meters, @ 590.6 3 cm carb vnt @ 50 DTCA with 15-20% columnar aggregates of py, @ 590.7, 1 cm band of columnar aggregates of py, @ 590.8 3 cm carb vnt @ 60 DTCA with 8 to 10% coarse py, @ 591 7 cm grey-qtz-carb-chl vn @ 60 DTCA with 8 to 10% coarse subhedral py, @ 591.2 8 cm qtz-carb-chl vn @ 50 DTCA with 25 to 30% subhedral aggregates of py, @ 591.5 3 cm carb band @ 80 DTCA with semi-massive py, @ 621 4 cm qtz-chl vn @ 50 DTCA microfaulted with 3 to 4% disseminated py within surrounding wallrock, @ 623.5 8 cm qtz-tourmaline vn @ 80 DTCA with 1 to 2% disseminated py throughout surrounding wallrock, @ 626.2 2 3 cm qtz vnt' @ 30 DTCA within fractured zone with 4 to 5% disseminated and subedral py throughout wallrock, @ 635.2 2 1 cm carbonate sts @ 50 DTCA with approx 3 to 4% disseminated py throughout wallrock, from 651 to 653.5 buff slightly potassic and siliceous alteration zone with patchy epidotitic alteration, approx 1 to 2% disseminated py, from 658.5 to 661 Mineralized zone comprised of stringers of clusters of subhedral py within 1 cm qtz stringers parallel to CA, approx 6 to 7% disseminated and subhedral pyritic clusters notably from 60 to 660.5 meters, zone is dark grey to buff, carbonaceous and dolomitic, strongly fractured and blocky core from 671 to 674 meters, FROM 678 TO 680 light grey siliceous and chloritic alteration zone, possible weakly developed IF, approx 1 to 2% disseminated py, @ 680.8 4cm qtzcarb vn @ 20 DTCA with 1 to 2% scattered subhedral PY, FROM 688 TO 692, scattered carb vnt' and sts subparallel to CA, approx 1 to 2% disseminated py,	KL017406	483.00	484.00	1.00	0.01	
				KL017407	484.00	485.00	1.00	0.02
				KL017408	485.00	486.00	1.00	0.02
				KL017409	486.00	487.00	1.00	0.01
				KL017411	487.00	488.00	1.00	0.02
				KL017412	488.00	489.00	1.00	0.01
				KL009973	499.00	499.50	0.50	0.01
				KL017413	515.00	516.00	1.00	0.04
				KL017414	516.00	517.00	1.00	0.01
				KL017415	517.00	518.00	1.00	0.01
				KL017416	524.00	525.00	1.00	0.01
				KL017417	525.00	525.50	0.50	0.01
				KL017418	525.50	526.00	0.50	0.01
				KL017419	526.00	527.00	1.00	0.00
				KL017421	527.00	528.00	1.00	0.01
				KL017422	528.00	529.00	1.00	0.00
				KL017423	529.00	530.00	1.00	0.91
				KL017424	530.00	531.00	1.00	0.01
				KL017425	531.00	532.00	1.00	0.01
				KL017426	532.00	533.00	1.00	0.00
				KL017427	533.00	534.00	1.00	0.01
				KL017428	549.00	550.00	1.00	0.00
				KL017429	550.00	551.00	1.00	0.00
				KL017431	551.00	552.00	1.00	0.00
				KL017432	563.00	564.00	1.00	0.01
				KL017433	564.00	565.00	1.00	0.00
				KL017434	565.00	566.00	1.00	0.01
				KL017435	566.00	567.00	1.00	0.01
				KL017436	567.00	568.00	1.00	0.00
				KL017437	568.00	569.00	1.00	0.00
				KL017438	569.00	570.00	1.00	0.00
				KL017439	576.00	577.00	1.00	0.01
			KL017441	577.00	578.00	1.00	0.00	
			KL017442	578.00	579.00	1.00	0.02	
			KL017443	579.00	580.00	1.00	0.01	
			KL017444	580.00	581.00	1.00	0.00	
			KL017445	581.00	582.00	1.00	0.01	
			KL017446	582.00	583.00	1.00	0.00	
			KL017447	583.00	584.00	1.00	0.01	
			KL017448	584.00	585.00	1.00	0.01	
			KL017449	585.00	586.00	1.00	0.01	
			KL017451	586.00	587.00	1.00	0.01	
			KL017452	587.00	588.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017453	588.00	589.00	1.00	0.01
			KL017454	589.00	590.00	1.00	0.01
			KL017455	590.00	590.50	0.50	0.01
			KL017456	590.50	591.00	0.50	5.80
			KL017457	591.00	591.60	0.60	0.52
			KL017458	591.60	592.50	0.90	0.01
			KL017459	592.50	593.00	0.50	0.01
			KL017461	593.00	594.00	1.00	0.01
			KL017462	594.00	595.00	1.00	0.01
			KL017463	595.00	596.00	1.00	0.01
			KL017464	596.00	597.00	1.00	0.02
			KL017465	597.00	598.00	1.00	0.01
			KL017466	598.00	599.00	1.00	0.01
			KL017467	599.00	600.00	1.00	0.01
			KL009974	601.50	602.00	0.50	0.00
			KL017468	618.00	619.00	1.00	0.00
			KL017469	619.00	620.00	1.00	0.01
			KL017471	620.00	621.00	1.00	0.01
			KL017472	621.00	622.00	1.00	0.00
			KL017473	622.00	623.00	1.00	0.00
			KL017474	623.00	624.00	1.00	0.00
			KL017475	624.00	625.00	1.00	0.01
			KL017476	625.00	626.00	1.00	0.00
			KL017477	626.00	626.50	0.50	0.01
			KL017478	626.50	627.00	0.50	0.01
			KL017479	627.00	628.00	1.00	0.00
			KL017481	634.00	635.00	1.00	0.00
			KL017482	635.00	635.50	0.50	0.00
			KL017483	635.50	636.00	0.50	0.01
			KL017484	651.00	652.00	1.00	0.01
			KL017485	652.00	653.00	1.00	0.01
			KL017486	653.00	654.00	1.00	0.01
			KL017487	658.00	658.50	0.50	0.04
			KL017488	658.50	659.00	0.50	0.01
			KL017489	659.00	659.50	0.50	0.01
			KL017491	659.50	660.00	0.50	0.01
			KL017492	660.00	660.50	0.50	0.01
			KL017493	660.50	661.00	0.50	0.01
			KL017494	661.00	662.00	1.00	0.03
			KL017495	662.00	663.00	1.00	0.01
			KL017496	663.00	664.00	1.00	0.01
			KL017497	677.00	678.00	1.00	0.00
			KL017498	678.00	679.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017499	679.00	680.00	1.00	0.00
			KL017501	680.00	680.50	0.50	0.00
			KL017502	680.50	681.00	0.50	0.21
			KL017503	681.00	682.00	1.00	0.16
			KL009975	690.00	690.50	0.50	0.00
			KL017504	693.00	694.00	1.00	0.00
			KL017505	694.00	695.00	1.00	0.01
			KL017506	695.00	696.00	1.00	0.00
			KL017507	696.00	697.00	1.00	0.01
			KL017508	697.00	698.00	1.00	0.01
			KL017509	703.00	703.90	0.90	0.02
703.90	708.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic and epidotitic, localized brecciated hyaloclastite, scattered carbonate vnt' and sts parallel to foliation @ 50 DTCA	KL017511	703.90	705.00	1.10	0.01
			KL017512	705.00	706.00	1.00	0.01
			KL017513	706.00	707.00	1.00	0.01
			KL017514	707.00	708.00	1.00	0.01
708.00	735.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, @ 710 3 cm qtz-chl vnt @ 70 DTCA with tr sul, @ 704.7 approx 2 to 3% blebby and subhedral py, @ 625.3 approx 4 to 5% subhedral clusters and sts oriented parallel to foliation @ 50 DTCA, @ 734.2 approx 3 to 4% disseminated and subhedral clusters of py aligned parallel to foliation @ %0 DTCA	KL017515	722.00	723.00	1.00	0.01
			KL017516	723.00	724.00	1.00	0.00
			KL017517	724.00	725.00	1.00	0.01
			KL017518	725.00	725.50	0.50	0.06
			KL017519	725.50	726.00	0.50	0.00
			KL017521	726.00	727.00	1.00	0.00
			KL017522	733.00	734.00	1.00	0.01
			KL017523	734.00	734.50	0.50	0.01
			KL017524	734.50	735.00	0.50	0.01
735.00	761.80	GAB, Gabbro dark green, medium grained, chloritic, massive, homogeneous, comprised of interstitial plagioclase and pyroxenes, Mineralized zone between 756 and 761.3 meters, @ 756 7 cm orange qtz-feldspar vn @ 50 DTCA with 8 to 10% columnar bandinf of subhedral py @ 50 DTCA, @ 761.3 5 cm qtz-carb vn @ 70 DTCA with 12 to 15% patchy subhedral py, approx 2 to 3% disseminated py between 2 vn', shp FW ct @ 50 DTCA	KL017525	753.00	754.00	1.00	0.01
			KL017526	754.00	755.00	1.00	0.01
			KL017527	755.00	755.50	0.50	0.02
			KL017528	755.50	756.00	0.50	0.00
			KL017529	756.00	756.50	0.50	0.17
			KL017531	756.50	757.00	0.50	0.00
			KL017532	757.00	758.00	1.00	0.00
			KL017533	758.00	759.00	1.00	0.00
			KL017534	759.00	760.00	1.00	0.00
			KL017535	760.00	761.00	1.00	0.01
			KL017536	761.00	761.80	0.80	1.19

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
761.80	861.70	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, weakly carbonaceous, massive, abundant qtz-calcite infilled tension gashes varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, @ 770.4 20 cm hematized alteration zone with qtz-chl vnt @ 30 DTCA and 3 to 4% patchy subhedral py, @ 771.5 1 cm carv stringer @ 30 DTCA with 6 to 7% subhedral py, @ 774.5 1 cm band of semi-massive py @ 50 DTCA, @ 777.7 4 cm white qtz vn parallel to CA with 1 to 2% disseminated py along ct', from 779 to 780.6 strongly fractured with fractures parallel to CA, @ 789.6 1 cm carb vnt @ 40 DTCA with 4 to 5% disseminated and subhedral py, from 801.2 to 801.6 slightly siliceous with carb sts subparallel to CA and approx 3 to 4% disseminated py, @ 805 4 cm grey qtz-carb vn @ 30 DTCA with 2 to 3% disseminated py, @ 806 stringer of subhedral cluster of py @ 40 DTCA, @ 806.4 approx 4 to 5% cluster of subhedral py @ 30 DTCA, from 850 to 851.5 series of clusters of subhedral py along microfractures within potassic alteration envelopes @ 50 DTCA parallel to foliation, from 851.5 to 852 mineralized zone comprised of 5 cm qtz-carb vn @ 851.8 @ 50 DTCA with 25 to 30% clusters of subhedral py within vn, from 852.8 to 853 sericitic alteration zone with 1 to 2% disseminated py, @ 860.1 14 cm barren white qv @ 40 DTCA, @ 860.6 4 cm qtz vnt perpendicular to CA with 3 to 4% patchy subhedral py, irregular FW ct @ 40 DTCA	KL017537	761.80	763.00	1.20	0.01
			KL017538	763.00	764.00	1.00	0.00
			KL017539	764.00	765.00	1.00	0.00
			KL017541	765.00	766.00	1.00	0.00
			KL017542	766.00	767.00	1.00	0.00
			KL017543	767.00	768.00	1.00	0.00
			KL017544	768.00	769.00	1.00	0.01
			KL017545	769.00	770.00	1.00	0.03
			KL017546	770.00	770.50	0.50	0.00
			KL017547	770.50	771.00	0.50	0.02
			KL017548	771.00	772.00	1.00	0.02
			KL017549	772.00	773.00	1.00	0.01
			KL017551	773.00	774.00	1.00	0.01
			KL017552	774.00	774.50	0.50	0.01
			KL017553	774.50	775.00	0.50	0.00
			KL017554	775.00	776.00	1.00	0.00
			KL017555	785.00	786.00	1.00	0.00
			KL017556	786.00	787.00	1.00	0.00
			KL017557	787.00	788.00	1.00	0.00
			KL017558	788.00	788.50	0.50	0.00
			KL017559	788.50	789.00	0.50	0.00
			KL017561	789.00	789.50	0.50	0.00
			KL017562	789.50	790.00	0.50	0.00
			KL017563	790.00	791.00	1.00	0.00
			KL009976	795.00	795.50	0.50	0.00
			KL017564	801.00	802.00	1.00	0.01
			KL017565	802.00	803.00	1.00	0.00
			KL017566	803.00	804.00	1.00	0.00
			KL017567	804.00	805.00	1.00	0.00
			KL017568	805.00	806.00	1.00	0.01
			KL017569	806.00	807.00	1.00	0.11
			KL017571	807.00	808.00	1.00	0.00
			KL017572	808.00	809.00	1.00	0.00
		KL017573	809.00	810.00	1.00	0.00	
		KL017574	810.00	811.00	1.00	0.01	
		KL017575	834.00	835.00	1.00	0.01	
		KL017576	835.00	836.00	1.00	0.02	
		KL017577	836.00	837.00	1.00	0.00	
		KL017578	837.00	838.00	1.00	0.00	
		KL017579	847.00	848.00	1.00	0.00	
		KL017581	848.00	849.00	1.00	0.00	
		KL017582	849.00	850.00	1.00	0.01	
		KL017583	850.00	850.50	0.50	0.00	

DETAILED LOG

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL017584	850.50	851.00	0.50	0.00
			KL017585	851.00	851.50	0.50	0.03
			KL017586	851.50	852.00	0.50	0.03
			KL017587	852.00	852.50	0.50	2.52
			KL017588	852.50	853.00	0.50	0.43
			KL017589	853.00	854.00	1.00	0.02
			KL017591	854.00	855.00	1.00	0.01
			KL017592	855.00	856.00	1.00	0.01
			KL017593	856.00	857.00	1.00	0.01
			KL017594	857.00	858.00	1.00	0.01
			KL017595	858.00	859.00	1.00	0.00
			KL017596	859.00	860.00	1.00	0.01
			KL017597	860.00	861.00	1.00	0.02
			KL017598	861.00	862.00	1.00	0.12
861.70	870.10	QFP, QUARTZ FELDSPAR PORPHYRY reddish orange, potassic with pervasive hematitic alteration, scattered qtz-ank vnt' throughout, massive, homogeneous, aphanitic, @ 861.9 2 cm qtz-ank vnt @ 20 DTCA with 6 to 7% scattered subhedral py, @ 868.5 1 cm qtz vnt @ 20 DTCA with 4 to 5% disseminated py throughout surrounding wallrock, irregular FW ct @ 60 DTCA	KL017599	862.00	863.00	1.00	0.00
			KL017601	863.00	864.00	1.00	0.00
			KL017602	864.00	865.00	1.00	0.00
			KL017603	865.00	866.00	1.00	0.05
			KL017604	866.00	867.00	1.00	0.01
			KL017605	867.00	868.00	1.00	0.00
			KL017606	868.00	868.50	0.50	0.55
			KL017607	868.50	869.00	0.50	0.03
			KL017608	869.00	870.10	1.10	0.00
870.10	881.10	GAB, Gabbro light green, medium grained, chloritic, slightly sericitic with interstitial plagioclase and pyroxenes, massive, homogeneous, scattered diffuse potassic patches with 3 to 4% finely disseminated py, shp FW ct @ 70 DTCA, @ 881.5 3 cm qtz vn perpendicular to CA with approx 8 to 10% clusters of subhedral py within microfractures proximal to vn FW ct and oriented @ 80 DTCA	KL017609	877.00	878.00	1.00	0.00
			KL017611	878.00	879.00	1.00	0.01
			KL017612	879.00	880.00	1.00	0.01
			KL017613	880.00	881.10	1.10	0.00
881.10	885.00	QFP, QUARTZ FELDSPAR PORPHYRY from 881.1 to 881.5 light green fuscitic and sericitic HW alteration zone mottled with fuschitic porphyroblasts, from 881.5 to 885, reddish orange, massive potassic and hematitic fine grained to aphanitic, approx 2 to 3% disseminated py, shp FW ct @ 50 DTCA	KL017614	881.10	881.50	0.40	0.00
			KL017615	881.50	882.00	0.50	0.02
			KL017616	882.00	883.00	1.00	0.01
			KL017617	883.00	884.00	1.00	0.01
			KL017618	884.00	885.00	1.00	0.01

Hole Number: **CAR-21-21**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
885.00	960.00	BaM, Melkior - Basalt; fine grained; massive dark grey to buff, chloritic, feldspathic, locally hematitic, massive, scattered qtz-feldspar vnt' throughout, from 926.6 to 927.7 reddish potassic and hematitic alteration zone, @ 926.9 1 cm stringer @ 40 DTCA with 3 to 4% disseminated and subhedral py throughout wallrock, @ 930.2 15 cm white qtz-carb vn @ 70 DTCA with 3 to 4% patchy subhedral py, from 930.4 to 930.8 40 cm yellowish sericitic alteration zone with shp HW and FW ct' @ 30 and 40 DTCA, tr sul, from 931.55 to 931.65 chloritic alteration zone bounded by 2 cm qtz-carb sts @ 60 DTCA and possessing approx 12 to 15% semi-massive patches of py, from 955.5 to 956 sheared hematitic alteration zone @ 40 DTCA, hematitic stained qtz vn parallel to CA, approx 1 to 2% disseminated py, EOH @ 960 meters	KL017619	885.00	886.00	1.00	0.00
			KL017621	886.00	887.00	1.00	0.00
			KL017622	887.00	888.00	1.00	0.00
			KL017623	888.00	889.00	1.00	0.00
			KL017624	889.00	890.00	1.00	0.01
			KL017625	890.00	891.00	1.00	0.00
			KL017626	891.00	892.00	1.00	0.00
			KL017627	892.00	893.00	1.00	0.00
			KL017628	893.00	894.00	1.00	0.00
			KL017629	898.00	899.00	1.00	0.00
			KL017631	899.00	900.00	1.00	0.00
			KL017632	900.00	901.00	1.00	0.00
			KL017633	901.00	902.00	1.00	0.00
			KL009977	906.00	906.50	0.50	0.00
			KL017634	925.00	926.00	1.00	0.00
			KL017635	926.00	926.50	0.50	0.00
			KL017636	926.50	927.00	0.50	0.08
			KL017637	927.00	928.00	1.00	0.06
			KL017638	928.00	929.00	1.00	0.08
			KL017639	929.00	930.00	1.00	0.00
			KL017641	930.00	930.50	0.50	0.00
			KL017642	930.50	931.00	0.50	0.00
			KL017643	931.00	931.50	0.50	0.00
			KL017644	931.50	932.00	0.50	0.02
			KL017645	932.00	933.00	1.00	0.03
		KL017646	933.00	934.00	1.00	0.01	
		KL017647	934.00	935.00	1.00	0.01	
		KL017648	935.00	936.00	1.00	0.01	
		KL017649	955.00	955.50	0.50	0.01	
		KL017651	955.50	956.00	0.50	0.03	
		KL017652	956.00	957.00	1.00	0.01	

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017177	22.00	23.00	0.0025
KL017178	23.00	24.00	0.0025
KL017179	24.00	25.00	0.0025
KL017181	32.00	33.00	0.0025
KL017182	33.00	34.00	0.0025
KL017183	34.00	35.00	0.0025
KL017184	35.00	36.00	0.0060

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017185	36.00	37.00	0.0025
KL017186	37.00	38.00	0.0025
KL017187	38.00	39.00	0.0025
KL017188	45.00	46.00	0.0025
KL017189	46.00	47.00	0.0025
KL017191	47.00	48.00	0.0025
KL017192	48.00	49.00	0.0100
KL017193	49.00	50.00	0.0080
KL017194	50.00	51.00	0.0060
KL017195	55.00	56.00	0.0060
KL017196	56.00	57.00	0.0080
KL017197	57.00	58.00	0.0120
KL017198	58.00	59.00	0.0100
KL017199	63.00	64.00	0.0060
KL017201	64.00	65.00	0.0230
KL017202	65.00	66.00	0.0100
KL017203	66.00	67.00	0.0210
KL017204	67.00	68.00	0.0360
KL017205	68.00	69.00	0.0270
KL017206	69.00	69.50	0.0060
KL017207	69.50	70.00	0.0025
KL017208	72.00	73.00	0.0110
KL017209	73.00	74.00	0.0025
KL017211	74.00	75.00	0.0025
KL017212	75.00	76.00	0.0025
KL017213	76.00	77.00	0.0510
KL017214	77.00	78.00	0.0025
KL017215	78.00	79.00	0.0025
KL017216	79.00	80.00	0.0050
KL017217	80.00	81.00	0.0025
KL017218	81.00	82.00	0.0050
KL017219	82.00	83.00	0.0025
KL017221	83.00	84.00	0.0025
KL017222	84.00	85.00	0.0025
KL017223	85.00	86.00	0.0025
KL017224	86.00	87.00	0.0025
KL017225	87.00	88.00	0.0025
KL017226	88.00	89.00	0.0060
KL017227	89.00	90.00	0.0220

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017228	96.00	97.00	0.0550
KL017229	97.00	98.00	0.0025
KL017231	98.00	99.00	0.0025
KL017232	107.00	108.00	0.0025
KL017233	108.00	109.00	0.0170
KL017234	109.00	110.00	0.0180
KL017235	114.00	115.00	0.0025
KL017236	115.00	115.50	0.3280
KL017237	115.50	116.00	0.0160
KL017238	116.00	117.00	0.0025
KL017239	119.00	120.00	0.0025
KL017241	120.00	121.00	0.0025
KL017242	123.00	124.00	0.0025
KL017243	124.00	125.00	0.0080
KL017244	125.00	126.00	0.0025
KL017245	133.70	135.00	0.0025
KL017246	135.00	136.00	0.0025
KL017247	136.00	137.00	0.0025
KL017248	142.00	143.00	0.0470
KL017249	143.00	144.00	0.4200
KL017251	144.00	145.00	0.0025
KL017252	147.00	148.00	0.0090
KL017253	148.00	149.00	0.0060
KL017254	149.00	150.10	0.0050
KL017255	150.10	151.00	0.0080
KL017256	151.00	152.00	0.0070
KL017257	152.00	152.80	0.0060
KL017258	152.80	154.00	0.0025
KL017259	154.00	155.00	0.0025
KL017261	155.00	156.00	0.0025
KL017262	156.00	157.00	0.0240
KL017263	157.00	158.00	0.0025
KL017264	158.00	159.00	0.0280
KL017265	159.00	160.00	0.0025
KL017266	182.00	182.50	0.0025
KL017267	182.50	183.00	0.1540
KL017268	183.00	183.50	0.0025
KL017269	183.50	184.00	0.2440
KL017271	184.00	185.00	0.0025

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017272	185.00	185.50	0.0070
KL017273	185.50	186.00	0.0060
KL017274	186.00	186.50	0.0025
KL017275	186.50	187.00	0.0025
KL017276	187.00	188.00	0.0025
KL017277	188.00	188.50	0.0550
KL017278	188.50	189.00	0.0120
KL017279	189.00	190.00	0.0650
KL017281	190.00	191.00	0.0080
KL017282	195.00	196.00	0.0100
KL017283	196.00	196.50	0.1260
KL017284	196.50	197.00	0.0160
KL017285	197.00	198.00	0.0120
KL017286	198.00	199.00	0.0110
KL017287	203.00	204.00	0.0070
KL017288	204.00	205.00	0.0070
KL017289	205.00	206.00	0.0060
KL017291	206.00	207.00	0.0240
KL017292	207.00	208.00	0.3810
KL017293	208.00	209.00	0.0070
KL017294	209.00	210.00	0.3080
KL017295	210.00	211.00	0.0090
KL017296	211.00	212.00	0.0090
KL017297	212.00	213.00	0.0230
KL017298	213.00	214.00	0.2400
KL017300	214.00	215.00	0.0080
KL017301	215.00	216.00	0.0080
KL017302	216.00	217.00	0.0090
KL017303	217.00	218.00	0.0110
KL017304	218.00	219.00	0.0320
KL017305	219.00	219.50	0.0370
KL017306	219.50	220.00	0.0110
KL017307	220.00	221.00	0.0120
KL017308	221.00	222.00	0.0190
KL017309	222.00	222.50	0.0180
KL017311	222.50	223.00	0.0400
KL017312	223.00	224.00	0.0140
KL017313	224.00	225.00	0.0130
KL017314	225.00	225.50	0.1620

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017315	225.50	226.00	0.0600
KL017316	226.00	226.50	0.0380
KL017317	226.50	227.00	0.0610
KL017318	227.00	227.50	0.1710
KL017319	227.50	228.00	0.0450
KL017321	228.00	229.00	0.0680
KL017322	229.00	230.00	0.0150
KL017323	230.00	231.00	0.0130
KL017324	231.00	232.00	0.0150
KL017325	232.00	233.00	0.0150
KL017326	233.00	234.00	0.0180
KL017327	234.00	235.00	0.0120
KL017328	235.00	235.50	0.0100
KL017329	235.50	236.00	0.0140
KL017331	236.00	237.00	0.0160
KL017332	237.00	238.00	0.1200
KL017333	241.00	242.00	0.0140
KL017334	242.00	243.00	0.0110
KL017335	243.00	244.00	0.0090
KL017336	244.00	245.00	0.0140
KL017337	257.00	258.00	0.0120
KL017338	258.00	258.50	0.0200
KL017339	258.50	259.00	0.0120
KL017341	259.00	260.00	0.0170
KL017342	260.00	261.00	0.0140
KL017343	270.00	270.50	0.0240
KL017344	270.50	271.00	0.0190
KL017345	271.00	271.50	0.0140
KL017346	271.50	272.00	0.0120
KL017347	272.00	273.00	0.0170
KL017348	299.70	300.50	0.0190
KL017349	300.50	301.00	0.0430
KL017351	301.00	301.50	0.0340
KL017352	301.50	302.00	0.0780
KL017353	302.00	302.50	0.0250
KL017354	302.50	303.00	0.0210
KL017355	303.00	303.50	0.0200
KL017356	303.50	304.00	0.0270
KL017357	304.00	305.00	0.0430

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017358	305.00	306.00	0.0140
KL017359	318.00	319.00	0.0130
KL017361	319.00	320.00	0.0130
KL017362	320.00	321.00	0.0110
KL017363	321.00	321.50	0.0025
KL017364	321.50	322.40	0.0150
KL017365	322.40	323.00	0.0110
KL017366	323.00	324.00	0.0130
KL017367	324.00	324.50	0.0080
KL017368	324.50	325.00	0.0130
KL017369	325.00	326.00	0.0025
KL017371	326.00	327.00	0.0070
KL017372	327.00	328.00	0.0025
KL017373	328.00	329.00	0.0025
KL017374	329.00	329.50	0.0025
KL017375	329.50	330.30	0.0025
KL017376	330.30	331.00	0.0025
KL017377	331.00	332.00	0.0050
KL017378	332.00	333.00	0.0025
KL017379	338.00	339.00	0.0150
KL017381	339.00	340.00	0.8560
KL017382	369.00	370.00	0.0060
KL017383	370.00	371.00	0.0090
KL017384	371.00	372.00	0.0080
KL017385	372.00	372.50	0.0070
KL017386	372.50	373.00	0.0060
KL017387	373.00	374.00	0.0100
KL017388	374.00	375.00	0.0070
KL017389	407.00	408.00	0.0090
KL017391	408.00	408.50	0.0060
KL017392	408.50	409.00	0.0180
KL017393	409.00	410.00	0.0130
KL017394	410.00	410.50	0.0120
KL017395	410.50	411.00	0.0180
KL017396	411.00	412.00	0.0150
KL017397	412.00	413.00	0.0130
KL017398	413.00	414.00	0.0110
KL017399	414.00	415.00	0.0025
KL017401	415.00	416.00	0.0110

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017402	425.00	426.00	0.0025
KL017403	426.00	426.50	0.0060
KL017404	426.50	427.00	0.0025
KL017405	427.00	428.00	0.0025
KL017406	483.00	484.00	0.0110
KL017407	484.00	485.00	0.0240
KL017408	485.00	486.00	0.0150
KL017409	486.00	487.00	0.0070
KL017411	487.00	488.00	0.0170
KL017412	488.00	489.00	0.0090
KL017413	515.00	516.00	0.0370
KL017414	516.00	517.00	0.0060
KL017415	517.00	518.00	0.0140
KL017416	524.00	525.00	0.0060
KL017417	525.00	525.50	0.0060
KL017418	525.50	526.00	0.0060
KL017419	526.00	527.00	0.0025
KL017421	527.00	528.00	0.0070
KL017422	528.00	529.00	0.0025
KL017423	529.00	530.00	0.9080
KL017424	530.00	531.00	0.0070
KL017425	531.00	532.00	0.0060
KL017426	532.00	533.00	0.0025
KL017427	533.00	534.00	0.0050
KL017428	549.00	550.00	0.0025
KL017429	550.00	551.00	0.0025
KL017431	551.00	552.00	0.0025
KL017432	563.00	564.00	0.0070
KL017433	564.00	565.00	0.0025
KL017434	565.00	566.00	0.0080
KL017435	566.00	567.00	0.0060
KL017436	567.00	568.00	0.0025
KL017437	568.00	569.00	0.0025
KL017438	569.00	570.00	0.0025
KL017439	576.00	577.00	0.0080
KL017441	577.00	578.00	0.0025
KL017442	578.00	579.00	0.0210
KL017443	579.00	580.00	0.0090
KL017444	580.00	581.00	0.0025

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017445	581.00	582.00	0.0050
KL017446	582.00	583.00	0.0025
KL017447	583.00	584.00	0.0080
KL017448	584.00	585.00	0.0070
KL017449	585.00	586.00	0.0060
KL017451	586.00	587.00	0.0070
KL017452	587.00	588.00	0.0120
KL017453	588.00	589.00	0.0060
KL017454	589.00	590.00	0.0070
KL017455	590.00	590.50	0.0120
KL017456	590.50	591.00	5.8000
KL017457	591.00	591.60	0.5150
KL017458	591.60	592.50	0.0140
KL017459	592.50	593.00	0.0050
KL017461	593.00	594.00	0.0080
KL017462	594.00	595.00	0.0050
KL017463	595.00	596.00	0.0070
KL017464	596.00	597.00	0.0180
KL017465	597.00	598.00	0.0060
KL017466	598.00	599.00	0.0090
KL017467	599.00	600.00	0.0050
KL017468	618.00	619.00	0.0025
KL017469	619.00	620.00	0.0120
KL017471	620.00	621.00	0.0070
KL017472	621.00	622.00	0.0025
KL017473	622.00	623.00	0.0025
KL017474	623.00	624.00	0.0025
KL017475	624.00	625.00	0.0140
KL017476	625.00	626.00	0.0025
KL017477	626.00	626.50	0.0080
KL017478	626.50	627.00	0.0120
KL017479	627.00	628.00	0.0025
KL017481	634.00	635.00	0.0025
KL017482	635.00	635.50	0.0025
KL017483	635.50	636.00	0.0090
KL017484	651.00	652.00	0.0060
KL017485	652.00	653.00	0.0060
KL017486	653.00	654.00	0.0070
KL017487	658.00	658.50	0.0360

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017488	658.50	659.00	0.0090
KL017489	659.00	659.50	0.0100
KL017491	659.50	660.00	0.0060
KL017492	660.00	660.50	0.0120
KL017493	660.50	661.00	0.0090
KL017494	661.00	662.00	0.0320
KL017495	662.00	663.00	0.0070
KL017496	663.00	664.00	0.0090
KL017497	677.00	678.00	0.0025
KL017498	678.00	679.00	0.0025
KL017499	679.00	680.00	0.0025
KL017501	680.00	680.50	0.0025
KL017502	680.50	681.00	0.2060
KL017503	681.00	682.00	0.1590
KL017504	693.00	694.00	0.0025
KL017505	694.00	695.00	0.0080
KL017506	695.00	696.00	0.0025
KL017507	696.00	697.00	0.0080
KL017508	697.00	698.00	0.0050
KL017509	703.00	703.90	0.0220
KL017511	703.90	705.00	0.0120
KL017512	705.00	706.00	0.0120
KL017513	706.00	707.00	0.0080
KL017514	707.00	708.00	0.0080
KL017515	722.00	723.00	0.0140
KL017516	723.00	724.00	0.0025
KL017517	724.00	725.00	0.0140
KL017518	725.00	725.50	0.0590
KL017519	725.50	726.00	0.0025
KL017521	726.00	727.00	0.0025
KL017522	733.00	734.00	0.0130
KL017523	734.00	734.50	0.0120
KL017524	734.50	735.00	0.0100
KL017525	753.00	754.00	0.0130
KL017526	754.00	755.00	0.0120
KL017527	755.00	755.50	0.0200
KL017528	755.50	756.00	0.0025
KL017529	756.00	756.50	0.1700
KL017531	756.50	757.00	0.0025

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017532	757.00	758.00	0.0025
KL017533	758.00	759.00	0.0025
KL017534	759.00	760.00	0.0025
KL017535	760.00	761.00	0.0060
KL017536	761.00	761.80	1.1900
KL017537	761.80	763.00	0.0120
KL017538	763.00	764.00	0.0025
KL017539	764.00	765.00	0.0025
KL017541	765.00	766.00	0.0025
KL017542	766.00	767.00	0.0025
KL017543	767.00	768.00	0.0025
KL017544	768.00	769.00	0.0060
KL017545	769.00	770.00	0.0280
KL017546	770.00	770.50	0.0025
KL017547	770.50	771.00	0.0210
KL017548	771.00	772.00	0.0160
KL017549	772.00	773.00	0.0090
KL017551	773.00	774.00	0.0110
KL017552	774.00	774.50	0.0130
KL017553	774.50	775.00	0.0025
KL017554	775.00	776.00	0.0025
KL017555	785.00	786.00	0.0025
KL017556	786.00	787.00	0.0025
KL017557	787.00	788.00	0.0025
KL017558	788.00	788.50	0.0025
KL017559	788.50	789.00	0.0025
KL017561	789.00	789.50	0.0025
KL017562	789.50	790.00	0.0025
KL017563	790.00	791.00	0.0025
KL017564	801.00	802.00	0.0110
KL017565	802.00	803.00	0.0025
KL017566	803.00	804.00	0.0025
KL017567	804.00	805.00	0.0025
KL017568	805.00	806.00	0.0060
KL017569	806.00	807.00	0.1110
KL017571	807.00	808.00	0.0025
KL017572	808.00	809.00	0.0025
KL017573	809.00	810.00	0.0025
KL017574	810.00	811.00	0.0080

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017575	834.00	835.00	0.0080
KL017576	835.00	836.00	0.0230
KL017577	836.00	837.00	0.0025
KL017578	837.00	838.00	0.0025
KL017579	847.00	848.00	0.0025
KL017581	848.00	849.00	0.0025
KL017582	849.00	850.00	0.0070
KL017583	850.00	850.50	0.0025
KL017584	850.50	851.00	0.0025
KL017585	851.00	851.50	0.0280
KL017586	851.50	852.00	0.0290
KL017587	852.00	852.50	2.5200
KL017588	852.50	853.00	0.4250
KL017589	853.00	854.00	0.0210
KL017591	854.00	855.00	0.0050
KL017592	855.00	856.00	0.0110
KL017593	856.00	857.00	0.0120
KL017594	857.00	858.00	0.0080
KL017595	858.00	859.00	0.0025
KL017596	859.00	860.00	0.0110
KL017597	860.00	861.00	0.0220
KL017598	861.00	862.00	0.1240
KL017599	862.00	863.00	0.0025
KL017601	863.00	864.00	0.0025
KL017602	864.00	865.00	0.0025
KL017603	865.00	866.00	0.0470
KL017604	866.00	867.00	0.0120
KL017605	867.00	868.00	0.0025
KL017606	868.00	868.50	0.5460
KL017607	868.50	869.00	0.0290
KL017608	869.00	870.10	0.0025
KL017609	877.00	878.00	0.0025
KL017611	878.00	879.00	0.0070
KL017612	879.00	880.00	0.0050
KL017613	880.00	881.10	0.0025
KL017614	881.10	881.50	0.0025
KL017615	881.50	882.00	0.0170
KL017616	882.00	883.00	0.0070
KL017617	883.00	884.00	0.0060

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017618	884.00	885.00	0.0060
KL017619	885.00	886.00	0.0025
KL017621	886.00	887.00	0.0025
KL017622	887.00	888.00	0.0025
KL017623	888.00	889.00	0.0025
KL017624	889.00	890.00	0.0080
KL017625	890.00	891.00	0.0025
KL017626	891.00	892.00	0.0025
KL017627	892.00	893.00	0.0025
KL017628	893.00	894.00	0.0025
KL017629	898.00	899.00	0.0025
KL017631	899.00	900.00	0.0025
KL017632	900.00	901.00	0.0025
KL017633	901.00	902.00	0.0025
KL017634	925.00	926.00	0.0025
KL017635	926.00	926.50	0.0025
KL017636	926.50	927.00	0.0790
KL017637	927.00	928.00	0.0550
KL017638	928.00	929.00	0.0820
KL017639	929.00	930.00	0.0025
KL017641	930.00	930.50	0.0025
KL017642	930.50	931.00	0.0025
KL017643	931.00	931.50	0.0025
KL017644	931.50	932.00	0.0210
KL017645	932.00	933.00	0.0330
KL017646	933.00	934.00	0.0060
KL017647	934.00	935.00	0.0060
KL017648	935.00	936.00	0.0060
KL017649	955.00	955.50	0.0050
KL017651	955.50	956.00	0.0250
KL017652	956.00	957.00	0.0090
Sample Type HalfCore			
KL009970	193.00	193.50	0.0080
KL009971	294.00	294.50	0.0090
KL009972	400.00	400.50	0.0050
KL009973	499.00	499.50	0.0080
KL009974	601.50	602.00	0.0025
KL009975	690.00	690.50	0.0025
KL009976	795.00	795.50	0.0025

Hole Number: **CAR-21-21**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type HalfCore			
KL009977	906.00	906.50	0.0025

DETAILED LOG

Hole Number: **CAR-21-22**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -55.00
Project Number: MELKIOR	North: 5356606.00	North: 33720.52	Collar Az: 190.00
Location: Carscallen Township	East: 451686.00	East: -130218.50	Length: 303.00
	Elev: 390.00	Elev: 5090.00	Start Depth: 0.00
Date Started: Dec 19, 2021	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Dec 22, 2021	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 303.00

Comments:

Sample Averages

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	190.00	-55.00	EZ Sho	OK		75.00	188.30	-56.10	EZ Sho	OK	
126.00	189.50	-55.80	EZ Sho	OK		177.00	189.90	-55.20	EZ Sho	OK	
228.00	189.30	-54.50	EZ Sho	OK		279.00	191.90	-52.90	EZ Sho	OK	
303.00	191.80	-52.60	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	63.00	OVB, MELKIOR - Overburden					
63.00	69.50	GRD_POT, Granodiorite - Potassic (Melkior) predominantly potassic, slightly epidotitic, glomeroporphyritic texture, medium grained, interstitial feldspar and hornblende,	KL017653	67.00	68.00	1.00	0.02
			KL017654	68.00	69.00	1.00	0.02
			KL017655	69.00	69.50	0.50	0.02
69.50	72.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, weakly carbonatized, silica-rich with blue qtz eyes, mineralized zone from 69.5 to 71 comprised of approx 8 to 10% clusters of subhedral py aligned parallel to CA, gradational FW ct perpendicular to CA, strongest concentration of sulphides from 70 to 71 meters with approx 12 to 15% clusters of subhedral py, gradational FW ct perpendicular to CA	KL017656	69.50	70.00	0.50	0.94
			KL017657	70.00	70.50	0.50	0.73
			KL017658	70.50	71.00	0.50	2.45
			KL017659	71.00	71.50	0.50	0.22
			KL017661	71.50	72.00	0.50	0.02

DETAILED LOG

Hole Number: **CAR-21-22**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
72.00	84.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, irregular FW ct @ 50 DTCA	KL017662	72.00	73.00	1.00	0.03
			KL017663	73.00	74.00	1.00	0.01
			KL017664	74.00	75.00	1.00	0.01
			KL017665	75.00	75.50	0.50	0.01
			KL017666	75.50	76.00	0.50	0.28
			KL017667	76.00	77.00	1.00	0.02
			KL017668	77.00	78.00	1.00	0.01
			KL017669	78.00	79.00	1.00	0.00
			KL017671	79.00	80.00	1.00	0.01
			KL017672	80.00	81.00	1.00	0.41
			KL017673	81.00	82.00	1.00	0.00
			KL017674	82.00	83.00	1.00	0.01
			KL017675	83.00	84.00	1.00	0.00
			KL017676	84.00	84.90	0.90	0.01
84.90	89.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark reddish grey, carbonatized, slightly potassic and hematitic, abundant sulphides notably from 88.5 to 89.4 meters, approx 12 to 15% subhedral clusters of py occurring within carbonate vnt' and sts subparallel to CA, gradational FW ct @ 30 DTCA	KL017677	84.90	85.50	0.60	0.03
			KL017678	85.50	86.20	0.70	0.03
			KL017679	86.20	87.00	0.80	0.01
			KL017681	87.00	88.00	1.00	0.02
			KL017682	88.00	88.50	0.50	1.45
			KL017683	88.50	89.00	0.50	0.69
			KL017684	89.00	89.40	0.40	0.98
89.40	93.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, irregular FW ct perpendicular to CA	KL017685	89.40	90.00	0.60	0.65
			KL017686	90.00	91.00	1.00	0.02
			KL017687	91.00	92.00	1.00	0.01
			KL017688	92.00	93.00	1.00	0.01
93.00	94.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark reddish grey, carbonatized, slightly potassic and hematitic,, approx 8 to 10% subhedral clusters of py occurring within microfractures @ 20 to 40 DTCA, glomeroporphyritic texture with blue qtz eyes, slightly silicified, gradational FW ct @ 50 DTCA	KL017689	93.00	94.00	1.00	0.66
			KL017691	94.00	94.50	0.50	0.21
94.50	97.20	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, potassic, slightly epidotitic, glomeroporphyritic, @ 96.3 5 cm ark grey carbonaceous band @ 40 DTCA with 4 to 5% scattered euhedral to subhedral py xl', gradational FW ct perpendicular to CA	KL017692	94.50	95.00	0.50	0.02
			KL017693	95.00	96.00	1.00	0.02
			KL017694	96.00	96.50	0.50	0.01
			KL017695	96.50	97.20	0.70	0.01
97.20	103.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, irregular FW ct perpendicular to CA	KL017696	97.20	98.00	0.80	0.01
			KL017697	98.00	99.00	1.00	0.01
			KL017698	99.00	100.00	1.00	0.02
			KL017699	100.00	101.00	1.00	0.02
			KL017701	101.00	102.00	1.00	0.02
			KL017702	102.00	103.00	1.00	0.01

Hole Number: **CAR-21-22**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
103.00	105.40	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, potassic, slightly epidotitic, interstitial carbonate, glomeroporphyritic, from 103.2 to 103.4 orange feldspar porphyritic dike @ 50 DTCA, tr sul, gradational FW ct perpendicular to CA	KL017703	103.00	104.00	1.00	0.01
			KL017704	104.00	104.50	0.50	0.01
			KL017705	104.50	105.40	0.90	0.01
105.40	109.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, irregular FW ct perpendicular to CA	KL017706	105.40	106.00	0.60	0.01
			KL017707	106.00	107.00	1.00	0.02
			KL017708	107.00	108.00	1.00	0.01
			KL017709	108.00	109.10	1.10	0.02
109.10	113.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, carbonatized, potassic, silicified, approx 4 to 5% disseminated py, from 109.1 to 109.4 approx 12 to 15% scattered clusters and smears of subhedral py aligned parallel to moderately foliated and slightly sheared interval @ 60 DTCA, shp sheared FW ct @ 60 DTCA	KL017711	109.10	109.60	0.50	0.07
			KL017712	109.60	110.10	0.50	0.02
			KL017713	110.10	111.00	0.90	0.01
			KL017714	111.00	111.50	0.50	0.01
			KL017715	111.50	112.00	0.50	0.02
			KL017716	112.00	112.50	0.50	0.01
			KL017717	112.50	113.40	0.90	0.01
113.40	143.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, @ 116.4 6 cm qtz-chl vn @ 80 DTCA with tr sul, @ 119.1 6 cm qtz-chl vn @ 50 DTCA with tr sul, @ 119.3 20 cm orange feldspar porphyry dike @ 70 DTCA with tr sul, @ 125.1 8 cm dark grey carbonatized zone @ 50 DTCA with 3 to 4% scattered subhedral py, from 126.9 to 127.2 30 cm white qtz-chl vn with patchy chloritic xenoliths and approx 1 to 2% disseminated py, FW and HW ct' @ 50 DTCA, gradational FW ct perpendicular to CA	KL017718	113.40	114.00	0.60	0.01
			KL017719	124.00	125.00	1.00	0.00
			KL017721	125.00	125.50	0.50	0.02
			KL017722	125.50	126.00	0.50	0.01
			KL017723	126.00	126.50	0.50	0.01
			KL017724	126.50	127.00	0.50	0.03
			KL017725	127.00	127.50	0.50	0.02
			KL017726	127.50	128.00	0.50	0.01
			KL017727	128.00	129.00	1.00	0.01
			KL017728	129.00	129.50	0.50	0.01
			KL017729	143.00	143.80	0.80	0.00
143.80	146.20	GRD_HEM, Granodiorite - Hematized (Melkior) pinkish reddish hue, hematitic, potassic, glomeroporphyritic texture, scattered carbonate sts subparallel to CA, approx 1 to 2% disseminated py, fractured FW ct @ 50 DTCA	KL017731	143.80	144.50	0.70	0.00
			KL017732	144.50	145.00	0.50	0.00
			KL017733	145.00	145.50	0.50	0.00
			KL017734	145.50	146.20	0.70	0.00
146.20	152.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, silicified, carbonatized, glomeroporphyritic texture, from 150 to 150.7 mineralized zone with approx 5 to 6% clusters of subhedral py occurring within brecciated silicified section with network of microfractures infilled with chlorite, from 151.7 to 152.2 silicified brecciated mineralized zone with approx 5 to 6% clusters of subhedral py, sheared FW ct @ 60 DTCA	KL017735	146.20	147.00	0.80	0.02
			KL017736	147.00	148.00	1.00	0.01
			KL017737	148.00	149.00	1.00	0.00
			KL017738	149.00	149.50	0.50	0.00
			KL017739	149.50	150.00	0.50	0.00
			KL017741	150.00	150.50	0.50	0.03
			KL017742	150.50	151.00	0.50	0.03
			KL017743	151.00	151.50	0.50	0.00
			KL017744	151.50	152.20	0.70	0.05
152.20	158.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL017745	152.20	153.00	0.80	0.00
			KL017746	153.00	154.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-21-22**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
158.10	162.60	GRD_POT, Granodiorite - Potassic (Melkior) pinkish reddish hue, hematitic, potassic, slightly epidotitic, glomeroporphyritic texture, mottled with white calcite, slightly micaeous abd/or sausseritized, tr sul, gradational FW ct @ 30 DTCA					
162.60	191.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, locally potassic glomeroporphyritic texture, patchy chloritic xenoliths throughout, approx 1 to 2% disseminated py, from 171.2 to 171.6 fractured section with fractures parallel to CA, @ 181.2 8 cm carbonatized and silicified sec @ 50 DTCA with 3 to 4% disseminated py, gradational FW ct	KL017747	178.00	179.00	1.00	0.01
			KL017748	179.00	180.00	1.00	0.01
			KL017749	180.00	181.00	1.00	0.01
			KL017751	181.00	181.50	0.50	0.04
			KL017752	181.50	182.00	0.50	0.01
			KL017753	182.00	183.00	1.00	0.01
191.20	192.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, from 192.4 to 192.7 sheared slightly faulted chloritic and leucoxene phyric section with foliation @ 80 DTCA and approx 1 to 2% disseminated py,	KL017754	192.00	192.70	0.70	0.00
192.70	195.60	GRD_POT, Granodiorite - Potassic (Melkior) pinkish reddish hue, hematitic, potassic, glomeroporphyritic texture, interstitial blue qtz eyes throughout unit, scattered carbonate sts and vnt' subparallel to CA, approx 1 to 2% disseminated py,	KL017755	192.70	193.50	0.80	0.00
			KL017756	193.50	194.00	0.50	0.01
			KL017757	194.00	195.00	1.00	0.01
195.60	206.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, from 199 to 201 increasingly potassic and slightly hematitic,					
206.00	208.80	GRD_POT, Granodiorite - Potassic (Melkior) pinkish reddish hue, hematitic, potassic, glomeroporphyritic texture, interstitial blue qtz eyes throughout unit, scattered carbonate sts and vnt' @ 50 to 70 DTCA, from 207.25 to 207.6 dark green chloritic mafic dike with HW and FW ct' @ 50 and 40 DTCA respectively, tr sul	KL017758	206.00	207.00	1.00	0.01
			KL017759	207.00	208.00	1.00	0.01
			KL017761	208.00	208.80	0.80	0.01
208.80	215.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green hue, epidotitic, slightly potassic glomeroporphyritic texture, tr sul, gradational FW ct @ 40 DTCA	KL017762	213.50	214.40	0.90	0.01
			KL017763	214.40	215.30	0.90	0.02
215.30	220.80	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange hue, potassic, slightly hematitic, glomeroporphyritic texture, from 215.6 to 215.9 orange feldspar porphyritic dike with HW and FW ct' @ 80 and 70 DTCA respectively, tr sul	KL017764	215.30	216.00	0.70	0.03
			KL017765	216.00	217.00	1.00	0.02
			KL017766	217.00	217.50	0.50	0.02
			KL017767	217.50	218.00	0.50	0.03
			KL017768	218.00	219.00	1.00	0.02
			KL017769	219.00	220.00	1.00	0.02
			KL017771	220.00	220.80	0.80	0.02
220.80	221.70	FZ, Fault Zone dark green quartzose, chloritic and sericitic, fragmented, fractured and blocky core with fractures @ 50 to 60 DTCA, tr sul	KL017772	220.80	221.70	0.90	0.01
221.70	228.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, potassic, epidotitic, glomeroporphyritic texture, interstitial blue qtz eyes throughout, scattered carb sts varying in orientation from 40 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL017773	221.70	222.50	0.80	0.01
			KL017774	222.50	223.00	0.50	0.01
			KL017775	223.00	224.00	1.00	0.03
			KL017776	224.00	225.00	1.00	0.01
			KL017777	225.00	226.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-21-22**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
228.00	234.00	GRD_EP, Granodiorite - Epidotized (Melkior) light grey-green, epidotitic, slightly potassic glomeroporphyritic texture, scattered carb sts subparallel to CA, approx 1 to 2% disseminated py					
234.00	237.80	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, silicified, carbonatized, glomeroporphyritic texture, scattered carb sts @ 30 to 40 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA	KL017778	235.00	236.00	1.00	0.01
			KL017779	236.00	237.00	1.00	0.01
			KL017781	237.00	237.80	0.80	0.01
237.80	242.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, locally brecciated texture, approx 2 to 3% scattered subhedral py xl', shp FW ct @ 40 DTCA	KL017782	237.80	239.00	1.20	0.00
			KL017783	239.00	240.00	1.00	0.00
			KL017784	240.00	241.00	1.00	0.01
			KL017785	241.00	242.00	1.00	0.02
242.00	246.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white, silicified, carbonatized, slightly potassic with interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA	KL017786	242.00	243.00	1.00	0.00
			KL017787	243.00	244.00	1.00	0.00
246.20	264.80	GRD_EP, Granodiorite - Epidotized (Melkior) light grey-green, epidotitic, slightly potassic glomeroporphyritic texture, from 251.25 to 251.45 orange medium grained feldspar porphyritic dike with sericitized albitic phenocrysts @ 50 DTCA, from 252.3 to 252.6 orange feldspar porphyritic dike, SAA, @ 40 DTCA with tr sulphide, shp FW ct @ 50 DTCA	KL017788	261.00	262.00	1.00	0.03
			KL017789	262.00	263.00	1.00	0.01
			KL017791	263.00	264.00	1.00	0.01
			KL017792	264.00	265.00	1.00	0.02
264.80	266.00	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, slight potassic and silicified with interstitial blue qtz eyes, from 265.4 to 265.9 approx 12 to 15% disseminated and clusters of subhedral py aligned parallel to foliation @ 50 DTCA, gradational FW ct perpendicular to CA,	KL017793	265.00	265.50	0.50	0.07
			KL017794	265.50	266.00	0.50	0.30
266.00	267.40	GRD_EP, Granodiorite - Epidotized (Melkior) light grey-green, epidotitic, slightly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, shp FW ct @ 40 DTCA	KL017795	266.00	266.50	0.50	0.02
			KL017796	266.50	267.40	0.90	0.01
267.40	267.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonatized, silicified, locally brecciated texture, slightly sheared with foliation @ 40 DDTCA, approx 2 to 3% scattered subhedral py xl', gradational FW ct perp to CA	KL017797	267.40	267.90	0.50	0.02

DETAILED LOG

Hole Number: **CAR-21-22**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
267.90	303.00	GRD_EP, Granodiorite - Epidotized (Melkior) light grey-green, epidotitic, slightly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, from 286.9 to 287.1 orange feldspar porphyritic dike @ 50 DTCA with 1 to 2% disseminated py locd along dike ct', @ 301.7 10 cm grey carbonatized zone @ 50 DTCA with light gteen sericitized streaks and approx 3 to 4% disseminated and clusters of subhedral py aligned parallel to foliation, 303 meters EOH	KL017798	267.90	269.00	1.10	0.01
			KL017799	291.00	292.00	1.00	0.01
			KL017801	292.00	293.00	1.00	0.01
			KL017802	293.00	294.00	1.00	0.00
			KL017803	294.00	295.00	1.00	0.00
			KL017804	295.00	296.00	1.00	0.00
			KL017805	296.00	297.00	1.00	0.00
			KL017806	297.00	298.00	1.00	0.01
			KL017807	298.00	299.00	1.00	0.01
			KL017808	299.00	300.00	1.00	0.01
			KL017809	300.00	301.00	1.00	0.01
			KL017811	301.00	302.00	1.00	0.02
			KL017812	302.00	303.00	1.00	0.01

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017653	67.00	68.00	0.0180
KL017654	68.00	69.00	0.0180
KL017655	69.00	69.50	0.0200
KL017656	69.50	70.00	0.9360
KL017657	70.00	70.50	0.7300
KL017658	70.50	71.00	2.4500
KL017659	71.00	71.50	0.2180
KL017661	71.50	72.00	0.0220
KL017662	72.00	73.00	0.0290
KL017663	73.00	74.00	0.0100
KL017664	74.00	75.00	0.0060
KL017665	75.00	75.50	0.0090
KL017666	75.50	76.00	0.2810
KL017667	76.00	77.00	0.0170
KL017668	77.00	78.00	0.0070
KL017669	78.00	79.00	0.0025
KL017671	79.00	80.00	0.0060
KL017672	80.00	81.00	0.4080
KL017673	81.00	82.00	0.0025
KL017674	82.00	83.00	0.0090
KL017675	83.00	84.00	0.0025
KL017676	84.00	84.90	0.0090
KL017677	84.90	85.50	0.0250
KL017678	85.50	86.20	0.0280

Hole Number: **CAR-21-22**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017679	86.20	87.00	0.0130
KL017681	87.00	88.00	0.0210
KL017682	88.00	88.50	1.4500
KL017683	88.50	89.00	0.6870
KL017684	89.00	89.40	0.9820
KL017685	89.40	90.00	0.6530
KL017686	90.00	91.00	0.0150
KL017687	91.00	92.00	0.0110
KL017688	92.00	93.00	0.0130
KL017689	93.00	94.00	0.6570
KL017691	94.00	94.50	0.2070
KL017692	94.50	95.00	0.0190
KL017693	95.00	96.00	0.0160
KL017694	96.00	96.50	0.0120
KL017695	96.50	97.20	0.0070
KL017696	97.20	98.00	0.0110
KL017697	98.00	99.00	0.0090
KL017698	99.00	100.00	0.0200
KL017699	100.00	101.00	0.0180
KL017701	101.00	102.00	0.0150
KL017702	102.00	103.00	0.0130
KL017703	103.00	104.00	0.0120
KL017704	104.00	104.50	0.0140
KL017705	104.50	105.40	0.0110
KL017706	105.40	106.00	0.0130
KL017707	106.00	107.00	0.0160
KL017708	107.00	108.00	0.0120
KL017709	108.00	109.10	0.0150
KL017711	109.10	109.60	0.0660
KL017712	109.60	110.10	0.0170
KL017713	110.10	111.00	0.0110
KL017714	111.00	111.50	0.0130
KL017715	111.50	112.00	0.0170
KL017716	112.00	112.50	0.0090
KL017717	112.50	113.40	0.0110
KL017718	113.40	114.00	0.0090
KL017719	124.00	125.00	0.0025
KL017721	125.00	125.50	0.0150
KL017722	125.50	126.00	0.0090

Hole Number: **CAR-21-22**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL017723	126.00	126.50	0.0090
KL017724	126.50	127.00	0.0290
KL017725	127.00	127.50	0.0160
KL017726	127.50	128.00	0.0110
KL017727	128.00	129.00	0.0110
KL017728	129.00	129.50	0.0120
KL017729	143.00	143.80	0.0025
KL017731	143.80	144.50	0.0025
KL017732	144.50	145.00	0.0025
KL017733	145.00	145.50	0.0025
KL017734	145.50	146.20	0.0025
KL017735	146.20	147.00	0.0160
KL017736	147.00	148.00	0.0110
KL017737	148.00	149.00	0.0025
KL017738	149.00	149.50	0.0025
KL017739	149.50	150.00	0.0025
KL017741	150.00	150.50	0.0260
KL017742	150.50	151.00	0.0260
KL017743	151.00	151.50	0.0025
KL017744	151.50	152.20	0.0510
KL017745	152.20	153.00	0.0025
KL017746	153.00	154.00	0.0025
KL017747	178.00	179.00	0.0070
KL017748	179.00	180.00	0.0060
KL017749	180.00	181.00	0.0050
KL017751	181.00	181.50	0.0350
KL017752	181.50	182.00	0.0080
KL017753	182.00	183.00	0.0070
KL017754	192.00	192.70	0.0025
KL017755	192.70	193.50	0.0025
KL017756	193.50	194.00	0.0060
KL017757	194.00	195.00	0.0080
KL017758	206.00	207.00	0.0140
KL017759	207.00	208.00	0.0070
KL017761	208.00	208.80	0.0090
KL017762	213.50	214.40	0.0110
KL017763	214.40	215.30	0.0220
KL017764	215.30	216.00	0.0280
KL017765	216.00	217.00	0.0190

Hole Number: **CAR-21-22**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017766	217.00	217.50	0.0210
KL017767	217.50	218.00	0.0330
KL017768	218.00	219.00	0.0220
KL017769	219.00	220.00	0.0200
KL017771	220.00	220.80	0.0170
KL017772	220.80	221.70	0.0070
KL017773	221.70	222.50	0.0100
KL017774	222.50	223.00	0.0100
KL017775	223.00	224.00	0.0330
KL017776	224.00	225.00	0.0090
KL017777	225.00	226.00	0.0110
KL017778	235.00	236.00	0.0080
KL017779	236.00	237.00	0.0110
KL017781	237.00	237.80	0.0050
KL017782	237.80	239.00	0.0025
KL017783	239.00	240.00	0.0025
KL017784	240.00	241.00	0.0050
KL017785	241.00	242.00	0.0200
KL017786	242.00	243.00	0.0025
KL017787	243.00	244.00	0.0025
KL017788	261.00	262.00	0.0310
KL017789	262.00	263.00	0.0050
KL017791	263.00	264.00	0.0080
KL017792	264.00	265.00	0.0220
KL017793	265.00	265.50	0.0650
KL017794	265.50	266.00	0.2990
KL017795	266.00	266.50	0.0240
KL017796	266.50	267.40	0.0090
KL017797	267.40	267.90	0.0240
KL017798	267.90	269.00	0.0090
KL017799	291.00	292.00	0.0050
KL017801	292.00	293.00	0.0050
KL017802	293.00	294.00	0.0025
KL017803	294.00	295.00	0.0025
KL017804	295.00	296.00	0.0025
KL017805	296.00	297.00	0.0025
KL017806	297.00	298.00	0.0090
KL017807	298.00	299.00	0.0060
KL017808	299.00	300.00	0.0050

Hole Number: **CAR-21-22**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL017809	300.00	301.00	0.0080
KL017811	301.00	302.00	0.0230
KL017812	302.00	303.00	0.0070



KIRKLAND LAKE GOLD

Appendix D

Assay Certificates

Drill Hole Assay Certificates

Rock (Grab) Sample Assay Certificates

Soil Geochemical Sampling Certificates



KIRKLAND LAKE GOLD

**Appendix D:
Drill Hole Assay Certificates**



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A20-13809-Revised
 Report Date: 02-Dec-20
 Date Submitted: 30-Oct-20
 Your Reference: CAR200801

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

133 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2020-11-27 09:25:24
Weight Rpt (kg)-Timmins	Received Weights	2020-12-02 09:19:06

REPORT **A20-13809-Revised**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290501	1.03	< 0.005	-	-
ASSAY	290502	0.890	< 0.005	-	-
ASSAY	290503	1.02	< 0.005	-	-
ASSAY	290504	0.844	< 0.005	-	-
ASSAY	290505	1.10	< 0.005	-	-
ASSAY	290506	1.42	< 0.005	-	-
ASSAY	290507	1.12	0.006	-	-
ASSAY	290508	2.05	0.009	-	-
ASSAY	290509	2.08	< 0.005	-	-
ASSAY	290510	2.07	< 0.005	-	-
ASSAY	290511	0.904	< 0.005	-	-
ASSAY	290512	0.845	< 0.005	-	-
ASSAY	290513	1.73	0.009	-	-
ASSAY	290514	1.75	< 0.005	-	-
ASSAY	290515	1.50	0.007	-	-
ASSAY	290516	1.18	0.035	-	-
ASSAY	290517	1.02	0.113	-	-
ASSAY	290518	0.764	2.20	-	-
ASSAY	290519	0.880	< 0.005	-	-
ASSAY	290520	0.0650	0.328	-	-
ASSAY	290521	0.741	< 0.005	-	-
ASSAY	290522	0.688	< 0.005	-	-
ASSAY	290523	0.708	< 0.005	-	-
ASSAY	290524	0.843	< 0.005	-	-
ASSAY	290525	0.830	< 0.005	-	-
ASSAY	290526	1.12	< 0.005	-	-
ASSAY	290527	1.41	< 0.005	-	-
ASSAY	290528	1.75	0.005	-	-
ASSAY	290529	1.77	0.009	-	-
ASSAY	290530	1.25	0.006	-	-
ASSAY	290531	0.481	0.010	-	-
ASSAY	290532	0.717	0.029	-	-
ASSAY	290533	0.925	< 0.005	-	-
ASSAY	290534	1.94	< 0.005	-	-
ASSAY	290535	2.07	0.005	-	-
ASSAY	290536	1.95	< 0.005	-	-
ASSAY	290537	0.883	0.022	-	-
ASSAY	290538	0.867	< 0.005	-	-
ASSAY	290539	1.00	0.005	-	-
ASSAY	290540	0.559	0.023	-	-
ASSAY	290541	1.25	< 0.005	-	-
ASSAY	290542	1.44	0.087	-	-
ASSAY	290543	1.78	0.190	-	-
ASSAY	290544	1.80	< 0.005	-	-
ASSAY	290545	1.94	0.009	-	-
ASSAY	290546	2.66	0.013	-	-
ASSAY	290547	1.76	0.012	-	-
ASSAY	290548	2.05	0.008	-	-
ASSAY	290549	1.98	0.006	-	-
ASSAY	290550	1.84	< 0.005	-	-
ASSAY	290551	1.92	< 0.005	-	-
ASSAY	290552	1.53	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290553	2.11	< 0.005	-	-
ASSAY	290554	1.25	< 0.005	-	-
ASSAY	290555	1.42	0.006	-	-
ASSAY	290556	1.04	< 0.005	-	-
ASSAY	290557	2.24	0.031	-	-
ASSAY	290558	2.31	< 0.005	-	-
ASSAY	290559	1.47	0.007	-	-
ASSAY	290560	0.0650	0.334	-	-
ASSAY	290561	0.921	< 0.005	-	-
ASSAY	290562	0.802	< 0.005	-	-
ASSAY	290563	2.23	< 0.005	-	-
ASSAY	290564	2.05	< 0.005	-	-
ASSAY	290565	1.54	0.005	-	-
ASSAY	290566	1.39	< 0.005	-	-
ASSAY	290567	0.631	< 0.005	-	-
ASSAY	290568	1.37	< 0.005	-	-
ASSAY	290569	1.89	< 0.005	-	-
ASSAY	290570	1.33	0.005	-	-
ASSAY	290571	1.62	0.013	-	-
ASSAY	290572	1.93	0.009	-	-
ASSAY	290573	1.65	< 0.005	-	-
ASSAY	290574	2.01	< 0.005	-	-
ASSAY	290575	1.41	0.237	-	-
ASSAY	290576	0.586	0.008	-	-
ASSAY	290577	1.01	0.080	-	-
ASSAY	290578	1.91	0.393	-	-
ASSAY	290579	1.57	< 0.005	-	-
ASSAY	290580	1.05	< 0.005	-	-
ASSAY	290581	1.02	0.095	-	-
ASSAY	290582	1.20	< 0.005	-	-
ASSAY	290583	0.825	< 0.005	-	-
ASSAY	290584	1.16	0.097	-	-
ASSAY	290585	0.961	0.006	-	-
ASSAY	290586	0.824	< 0.005	-	-
ASSAY	290587	1.69	< 0.005	-	-
ASSAY	290588	1.75	< 0.005	-	-
ASSAY	290589	0.503	< 0.005	-	-
ASSAY	290590	0.893	< 0.005	-	-
ASSAY	290591	1.00	< 0.005	-	-
ASSAY	290592	0.820	0.008	-	-
ASSAY	290593	1.46	< 0.005	-	-
ASSAY	290594	1.62	< 0.005	-	-
ASSAY	290595	1.08	0.268	-	-
ASSAY	290596	1.83	< 0.005	-	-
ASSAY	290597	1.41	< 0.005	-	-
ASSAY	290598	1.04	< 0.005	-	-
ASSAY	290599	0.626	0.106	-	-
ASSAY	290600	0.105	6.56	-	-
ASSAY	290601	1.42	< 0.005	-	-
ASSAY	290602	1.10	< 0.005	-	-
ASSAY	290603	0.809	< 0.005	-	-
ASSAY	290604	1.71	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290605	1.77	< 0.005	-	-
ASSAY	290606	1.71	< 0.005	-	-
ASSAY	290607	1.06	< 0.005	-	-
ASSAY	290608	1.23	0.005	-	-
ASSAY	290609	1.27	< 0.005	-	-
ASSAY	290610	1.52	< 0.005	-	-
ASSAY	290611	1.36	< 0.005	-	-
ASSAY	290612	2.14	0.007	-	-
ASSAY	290613	1.72	< 0.005	-	-
ASSAY	290614	1.40	< 0.005	-	-
ASSAY	290615	1.24	0.005	-	-
ASSAY	290616	1.35	< 0.005	-	-
ASSAY	290617	1.03	< 0.005	-	-
ASSAY	290618	0.635	< 0.005	-	-
ASSAY	290619	1.71	0.015	-	-
ASSAY	290620	1.86	< 0.005	-	-
ASSAY	290621	1.86	< 0.005	-	-
ASSAY	290622	1.16	< 0.005	-	-
ASSAY	290623	1.34	< 0.005	-	-
ASSAY	290624	0.512	< 0.005	-	-
ASSAY	290625	1.90	0.009	-	-
ASSAY	290626	1.39	< 0.005	-	-
ASSAY	290627	0.498	< 0.005	-	-
ASSAY	290628	1.01	< 0.005	-	-
ASSAY	290629	1.10	< 0.005	-	-
ASSAY	290630	1.26	< 0.005	-	-
ASSAY	290631	2.00	< 0.005	-	-
ASSAY	290632	1.74	< 0.005	-	-
ASSAY	290633	0.641	0.053	-	-
PULPDUP	290510	-	< 0.005	-	-
PULPDUP	290521	-	< 0.005	-	-
PULPDUP	290530	-	0.005	-	-
PULPDUP	290545	-	0.006	-	-
PREPDUP	290550	-	0.005	-	-
PULPDUP	290554	-	< 0.005	-	-
PULPDUP	290564	-	< 0.005	-	-
PULPDUP	290579	-	< 0.005	-	-
PULPDUP	290589	-	< 0.005	-	-
PREPDUP	290601	-	0.005	-	-
PULPDUP	290613	-	< 0.005	-	-
PULPDUP	290623	-	< 0.005	-	-
PULPDUP	290633	-	0.025	-	-



Report No.: A20-14165
 Report Date: 26-Jan-21
 Date Submitted: 06-Nov-20
 Your Reference: CAR200801

Kirkland Lake Gold
 1350 Government Road West,
 Kirkland Lake ON P2N 3J1 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

135 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2020-12-05 10:01:05

REPORT **A20-14165**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: A20-14165
Report Date: 26-Jan-21
Date Submitted: 06-Nov-20
Your Reference: CAR200801

Kirkland Lake Gold
1350 Government Road West,
Kirkland Lake ON P2N 3J1 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

135 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3	QOP AquaGeo (Aqua Regia ICPOES)	2021-01-14 12:44:06

REPORT A20-14165

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290634	1.07	0.034	-	-
ASSAY	290635	1.69	0.012	-	-
ASSAY	290636	1.92	< 0.005	-	-
ASSAY	290637	1.77	0.011	-	-
ASSAY	290638	2.22	< 0.005	-	-
ASSAY	290639	1.42	< 0.005	-	-
ASSAY	290640	1.05	0.334	-	-
ASSAY	290641	2.03	0.009	-	-
ASSAY	290642	1.88	0.013	-	-
ASSAY	290643	1.93	0.012	-	-
ASSAY	290644	1.61	0.005	-	-
ASSAY	290645	0.937	0.022	-	-
ASSAY	290646	1.24	0.018	-	-
ASSAY	290647	1.08	1.17	-	-
ASSAY	290648	1.84	0.468	-	-
ASSAY	290649	1.85	0.010	-	-
ASSAY	290650	1.84	< 0.005	-	-
ASSAY	290651	0.797	0.165	-	-
ASSAY	290652	0.913	0.108	-	-
ASSAY	290653	0.736	0.017	-	-
ASSAY	290654	0.814	0.007	-	-
ASSAY	290655	0.867	0.171	-	-
ASSAY	290656	0.830	0.036	-	-
ASSAY	290657	0.787	0.012	-	-
ASSAY	290658	0.936	0.009	-	-
ASSAY	290659	1.06	0.878	-	-
ASSAY	290660	0.627	0.005	-	-
ASSAY	290661	0.594	< 0.005	-	-
ASSAY	290662	0.768	< 0.005	-	-
ASSAY	290663	0.873	< 0.005	-	-
ASSAY	290664	1.79	< 0.005	-	-
ASSAY	290665	0.871	< 0.005	-	-
ASSAY	290666	0.956	0.170	-	-
ASSAY	290667	0.758	0.096	-	-
ASSAY	290668	0.938	< 0.005	-	-
ASSAY	290669	0.794	0.288	-	-
ASSAY	290670	0.717	< 0.005	-	-
ASSAY	290671	1.59	< 0.005	-	-
ASSAY	290672	0.716	< 0.005	-	-
ASSAY	290673	0.896	0.005	-	-
ASSAY	290674	1.06	< 0.005	-	-
ASSAY	290675	1.39	< 0.005	-	-
ASSAY	290676	0.903	0.020	-	-
ASSAY	290677	1.79	0.016	-	-
ASSAY	290678	2.09	0.006	-	-
ASSAY	290679	0.797	0.014	-	-
ASSAY	290680	1.10	1.61	-	-
ASSAY	290681	1.05	0.010	-	-
ASSAY	290682	0.873	0.724	-	-
ASSAY	290683	0.480	0.016	-	-
ASSAY	290684	2.07	0.010	-	-
ASSAY	290685	0.814	0.063	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290686	0.824	1.44	-	-
ASSAY	290687	1.07	0.325	-	-
ASSAY	290688	0.634	0.022	-	-
ASSAY	290689	1.52	0.007	-	-
ASSAY	290690	1.27	0.146	-	-
ASSAY	290691	0.830	< 0.005	-	-
ASSAY	290692	0.895	0.023	-	-
ASSAY	290693	1.54	< 0.005	-	-
ASSAY	290694	1.18	< 0.005	-	-
ASSAY	290695	2.00	< 0.005	-	-
ASSAY	290696	1.91	< 0.005	-	-
ASSAY	290697	1.71	< 0.005	-	-
ASSAY	290698	0.882	1.93	-	-
ASSAY	290699	0.884	0.016	-	-
ASSAY	290700	0.813	< 0.005	-	-
ASSAY	290701	1.92	< 0.005	-	-
ASSAY	290702	1.63	< 0.005	-	-
ASSAY	290703	1.55	0.926	-	-
ASSAY	290704	0.822	0.068	-	-
ASSAY	290705	1.75	0.106	-	-
ASSAY	290706	1.70	0.025	-	-
ASSAY	290707	1.75	< 0.005	-	-
ASSAY	290708	2.02	0.007	-	-
ASSAY	290709	1.17	0.504	-	-
ASSAY	290710	1.05	0.056	-	-
ASSAY	290711	1.92	0.024	-	-
ASSAY	290712	2.02	< 0.005	-	-
ASSAY	290713	2.16	< 0.005	-	-
ASSAY	290714	2.05	< 0.005	-	-
ASSAY	290715	1.67	0.015	-	-
ASSAY	290716	1.74	0.020	-	-
ASSAY	290717	2.20	0.529	-	-
ASSAY	290718	2.00	< 0.005	-	-
ASSAY	290719	2.25	< 0.005	-	-
ASSAY	290720	1.10	6.43	-	-
ASSAY	290721	1.04	0.011	-	-
ASSAY	290722	0.766	2.70	-	-
ASSAY	290723	1.36	0.029	-	-
ASSAY	290724	0.891	0.148	-	-
ASSAY	290725	0.932	0.005	-	-
ASSAY	290726	0.628	< 0.005	-	-
ASSAY	290727	0.986	7.39	-	-
ASSAY	290728	1.80	0.122	-	-
ASSAY	290729	0.654	< 0.005	-	-
ASSAY	290730	1.08	0.015	-	-
ASSAY	290731	2.40	< 0.005	-	-
ASSAY	290732	2.23	0.008	-	-
ASSAY	290733	1.70	0.007	-	-
ASSAY	290734	0.871	< 0.005	-	-
ASSAY	290735	0.825	0.006	-	-
ASSAY	290736	0.930	0.021	-	-
ASSAY	290737	0.924	0.245	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290738	0.870	0.019	-	-
ASSAY	290739	0.854	< 0.005	-	-
ASSAY	290740	0.495	< 0.005	-	-
ASSAY	290741	2.21	0.052	-	-
ASSAY	290742	1.82	< 0.005	-	-
ASSAY	290743	1.98	0.030	-	-
ASSAY	290744	0.750	0.246	-	-
ASSAY	290745	0.824	0.008	-	-
ASSAY	290746	0.717	0.007	-	-
ASSAY	290747	0.865	0.007	-	-
ASSAY	290748	2.00	0.008	-	-
ASSAY	290749	0.848	0.492	-	-
ASSAY	290750	0.885	0.031	-	-
ASSAY	290751	1.89	0.022	-	-
ASSAY	290752	1.03	0.389	-	-
ASSAY	290753	1.03	< 0.005	-	-
ASSAY	290754	1.55	0.020	-	-
ASSAY	290755	1.95	0.012	-	-
ASSAY	290756	2.08	0.011	-	-
ASSAY	290757	0.849	0.016	-	-
ASSAY	290758	1.04	< 0.005	-	-
ASSAY	290759	0.878	< 0.005	-	-
ASSAY	290760	1.05	0.333	-	-
ASSAY	290761	0.711	< 0.005	-	-
ASSAY	290762	2.06	< 0.005	-	-
ASSAY	290763	2.05	0.008	-	-
ASSAY	290764	1.80	< 0.005	-	-
ASSAY	290765	1.99	0.149	-	-
ASSAY	290766	2.14	0.007	-	-
ASSAY	290767	0.817	0.450	-	-
ASSAY	290768	0.769	0.012	-	-
PULPDUP	290643	-	0.005	-	-
PULPDUP	290653	-	0.038	-	-
PULPDUP	290663	-	0.005	-	-
PULPDUP	290678	-	0.009	-	-
PREPDUP	290683	-	0.019	-	-
PULPDUP	290697	-	0.006	-	-
PULPDUP	290708	-	-	-	-
PULPDUP	290712	-	< 0.005	-	-
PULPDUP	290722	-	2.73	-	-
PULPDUP	290726	-	-	-	-
PULPDUP	290732	-	0.015	-	-
PREPDUP	290733	-	0.007	-	-
PULPDUP	290742	-	-	-	-
PULPDUP	290746	-	0.008	-	-
PULPDUP	290756	-	0.013	-	-
PULPDUP	290762	-	-	-	-
PULPDUP	290766	-	0.009	-	-

SAMPLE TYPE



Report No.: A20-14439-Au
Report Date: 26-Jan-21
Date Submitted: 12-Nov-20
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

198 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (10g/m t) | QOP AA-Au (Au - Fire Assay AA) | 2020-11-20 16:47:45

REPORT A20-14439-Au

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Notes:

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

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290769	1.59	< 0.005	-	-
ASSAY	290770	0.763	< 0.005	-	-
ASSAY	290771	0.604	< 0.005	-	-
ASSAY	290772	1.91	0.031	-	-
ASSAY	290773	0.982	0.067	-	-
ASSAY	290774	1.03	0.010	-	-
ASSAY	290775	0.700	0.009	-	-
ASSAY	290776	1.47	< 0.005	-	-
ASSAY	290777	1.72	< 0.005	-	-
ASSAY	290778	0.754	0.021	-	-
ASSAY	290779	0.995	0.016	-	-
ASSAY	290780	1.05	< 0.005	-	-
ASSAY	290781	1.11	0.014	-	-
ASSAY	290782	0.732	< 0.005	-	-
ASSAY	290783	0.669	0.169	-	-
ASSAY	290784	0.872	0.032	-	-
ASSAY	290785	0.954	0.054	-	-
ASSAY	290786	1.08	0.136	-	-
ASSAY	290787	1.79	0.112	-	-
ASSAY	290788	1.94	0.010	-	-
ASSAY	290789	0.976	0.036	-	-
ASSAY	290790	0.876	< 0.005	-	-
ASSAY	290791	0.945	< 0.005	-	-
ASSAY	290792	0.814	< 0.005	-	-
ASSAY	290793	2.00	< 0.005	-	-
ASSAY	290794	2.14	< 0.005	-	-
ASSAY	290795	1.00	< 0.005	-	-
ASSAY	290796	1.09	< 0.005	-	-
ASSAY	290797	0.999	0.005	-	-
ASSAY	290798	0.964	< 0.005	-	-
ASSAY	290799	0.746	0.014	-	-
ASSAY	290800	0.0650	1.64	-	-
ASSAY	290801	0.917	0.594	-	-
ASSAY	290802	1.86	0.012	-	-
ASSAY	290803	0.908	< 0.005	-	-
ASSAY	290804	0.853	0.010	-	-
ASSAY	290805	0.850	0.007	-	-
ASSAY	290806	2.04	0.006	-	-
ASSAY	290807	1.95	< 0.005	-	-
ASSAY	290808	1.07	0.071	-	-
ASSAY	290809	1.42	0.014	-	-
ASSAY	290810	0.680	0.013	-	-
ASSAY	290811	0.806	0.010	-	-
ASSAY	290812	1.51	0.006	-	-
ASSAY	290813	1.52	0.020	-	-
ASSAY	290814	2.06	0.145	-	-
ASSAY	290815	1.78	0.038	-	-
ASSAY	290816	1.42	0.006	-	-
ASSAY	290817	1.72	< 0.005	-	-
ASSAY	290818	1.46	0.005	-	-
ASSAY	290819	0.880	0.070	-	-
ASSAY	290820	1.05	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290821	1.05	0.018	-	-
ASSAY	290822	1.80	< 0.005	-	-
ASSAY	290823	1.41	< 0.005	-	-
ASSAY	290824	1.82	< 0.005	-	-
ASSAY	290825	1.60	< 0.005	-	-
ASSAY	290826	2.19	< 0.005	-	-
ASSAY	290827	1.73	< 0.005	-	-
ASSAY	290828	1.94	0.009	-	-
ASSAY	290829	0.847	0.008	-	-
ASSAY	290830	0.802	0.055	-	-
ASSAY	290831	0.742	0.018	-	-
ASSAY	290832	1.08	0.104	-	-
ASSAY	290833	0.884	< 0.005	-	-
ASSAY	290834	1.09	< 0.005	-	-
ASSAY	290835	1.11	< 0.005	-	-
ASSAY	290836	1.83	0.006	-	-
ASSAY	290837	1.98	< 0.005	-	-
ASSAY	290838	1.77	< 0.005	-	-
ASSAY	290839	1.69	< 0.005	-	-
ASSAY	290840	0.0650	6.36	-	-
ASSAY	290841	1.53	< 0.005	-	-
ASSAY	290842	1.57	< 0.005	-	-
ASSAY	290843	0.877	0.020	-	-
ASSAY	290844	0.706	0.012	-	-
ASSAY	290845	1.13	0.010	-	-
ASSAY	290846	1.28	0.013	-	-
ASSAY	290847	1.06	0.008	-	-
ASSAY	290848	1.18	< 0.005	-	-
ASSAY	290849	1.32	< 0.005	-	-
ASSAY	290850	1.87	< 0.005	-	-
ASSAY	290851	2.39	< 0.005	-	-
ASSAY	290852	2.14	0.008	-	-
ASSAY	290853	1.74	< 0.005	-	-
ASSAY	290854	2.18	< 0.005	-	-
ASSAY	290855	1.13	< 0.005	-	-
ASSAY	290856	0.259	0.243	-	-
ASSAY	290857	1.67	0.013	-	-
ASSAY	290858	1.87	< 0.005	-	-
ASSAY	290859	1.46	< 0.005	-	-
ASSAY	290860	0.796	< 0.005	-	-
ASSAY	290861	1.01	< 0.005	-	-
ASSAY	290862	2.05	0.005	-	-
ASSAY	290863	2.53	0.008	-	-
ASSAY	290864	1.05	< 0.005	-	-
ASSAY	290865	1.48	0.058	-	-
ASSAY	290866	0.370	0.016	-	-
ASSAY	290867	0.950	0.005	-	-
ASSAY	290868	0.439	0.006	-	-
ASSAY	290869	0.974	0.019	-	-
ASSAY	290870	0.775	0.026	-	-
ASSAY	290871	0.657	0.005	-	-
ASSAY	290872	1.05	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290873	0.667	< 0.005	-	-
ASSAY	290874	0.868	< 0.005	-	-
ASSAY	290875	0.805	0.009	-	-
ASSAY	290876	1.31	0.009	-	-
ASSAY	290877	1.74	< 0.005	-	-
ASSAY	290878	1.72	< 0.005	-	-
ASSAY	290879	1.47	< 0.005	-	-
ASSAY	290880	0.0650	0.346	-	-
ASSAY	290881	0.746	< 0.005	-	-
ASSAY	290882	0.803	0.090	-	-
ASSAY	290883	1.53	0.006	-	-
ASSAY	290884	1.48	< 0.005	-	-
ASSAY	290885	1.91	< 0.005	-	-
ASSAY	290886	1.63	< 0.005	-	-
ASSAY	290887	1.75	< 0.005	-	-
ASSAY	290888	0.949	< 0.005	-	-
ASSAY	290889	0.751	< 0.005	-	-
ASSAY	290890	0.586	< 0.005	-	-
ASSAY	290891	0.702	< 0.005	-	-
ASSAY	290892	0.652	0.005	-	-
ASSAY	290893	0.534	< 0.005	-	-
ASSAY	290894	0.736	< 0.005	-	-
ASSAY	290895	1.86	< 0.005	-	-
ASSAY	290896	0.784	< 0.005	-	-
ASSAY	290897	1.25	< 0.005	-	-
ASSAY	290898	1.21	0.011	-	-
ASSAY	290899	1.71	0.060	-	-
ASSAY	290900	1.05	< 0.005	-	-
ASSAY	290901	1.07	0.547	-	-
ASSAY	290902	1.66	< 0.005	-	-
ASSAY	290903	0.437	< 0.005	-	-
ASSAY	290904	1.13	< 0.005	-	-
ASSAY	290905	1.43	< 0.005	-	-
ASSAY	290906	1.54	< 0.005	-	-
ASSAY	290907	1.38	< 0.005	-	-
ASSAY	290908	1.54	< 0.005	-	-
ASSAY	290909	0.740	0.008	-	-
ASSAY	290910	0.688	< 0.005	-	-
ASSAY	290911	1.61	< 0.005	-	-
ASSAY	290912	0.891	< 0.005	-	-
ASSAY	290913	0.802	< 0.005	-	-
ASSAY	290914	1.62	< 0.005	-	-
ASSAY	290915	1.60	< 0.005	-	-
ASSAY	290916	0.643	0.059	-	-
ASSAY	290917	0.768	0.252	-	-
ASSAY	290918	0.532	0.123	-	-
ASSAY	290919	0.436	0.056	-	-
ASSAY	290920	0.0650	1.58	-	-
ASSAY	290921	1.20	< 0.005	-	-
ASSAY	290922	0.898	< 0.005	-	-
ASSAY	290923	1.58	< 0.005	-	-
ASSAY	290924	2.08	0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290925	1.85	< 0.005	-	-
ASSAY	290926	1.81	0.005	-	-
ASSAY	290927	1.29	0.013	-	-
ASSAY	290928	1.17	< 0.005	-	-
ASSAY	290929	1.77	< 0.005	-	-
ASSAY	290930	2.55	0.006	-	-
ASSAY	290931	1.43	0.008	-	-
ASSAY	290932	1.66	0.020	-	-
ASSAY	290933	1.28	0.009	-	-
ASSAY	290934	0.708	< 0.005	-	-
ASSAY	290935	1.55	< 0.005	-	-
ASSAY	290936	1.25	< 0.005	-	-
ASSAY	290937	0.815	< 0.005	-	-
ASSAY	290938	0.773	0.009	-	-
ASSAY	290939	0.361	0.054	-	-
ASSAY	290940	1.05	< 0.005	-	-
ASSAY	290941	0.792	0.091	-	-
ASSAY	290942	1.28	0.116	-	-
ASSAY	290943	0.365	0.005	-	-
ASSAY	290944	0.580	< 0.005	-	-
ASSAY	290945	0.799	< 0.005	-	-
ASSAY	290946	0.907	< 0.005	-	-
ASSAY	290947	1.04	0.022	-	-
ASSAY	290948	1.26	0.013	-	-
ASSAY	290949	0.905	< 0.005	-	-
ASSAY	290950	0.0650	0.344	-	-
ASSAY	290951	0.663	< 0.005	-	-
ASSAY	290952	1.03	< 0.005	-	-
ASSAY	290953	0.512	0.016	-	-
ASSAY	290954	0.763	< 0.005	-	-
ASSAY	290955	1.50	< 0.005	-	-
ASSAY	290956	1.48	< 0.005	-	-
ASSAY	290957	1.68	0.008	-	-
ASSAY	290958	1.70	0.008	-	-
ASSAY	290959	1.52	0.009	-	-
ASSAY	290960	0.786	1.90	-	-
ASSAY	290961	1.51	0.139	-	-
ASSAY	290962	1.95	0.039	-	-
ASSAY	290963	1.65	< 0.005	-	-
ASSAY	290964	1.73	< 0.005	-	-
ASSAY	290965	1.28	< 0.005	-	-
ASSAY	290966	1.68	< 0.005	-	-
PULPDUP	290778	-	0.024	-	-
PULPDUP	290788	-	0.007	-	-
PULPDUP	290798	-	< 0.005	-	-
PULPDUP	290813	-	0.009	-	-
PREPDUP	290818	-	< 0.005	-	-
PULPDUP	290823	-	< 0.005	-	-
PULPDUP	290833	-	< 0.005	-	-
PULPDUP	290848	-	< 0.005	-	-
PULPDUP	290858	-	< 0.005	-	-
PREPDUP	290868	-	0.008	-	-

Results

Activation Laboratories Ltd.

Report: A20-14439

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
PULPDUP	290868	-	0.006	-	-
PULPDUP	290883	-	< 0.005	-	-
PULPDUP	290893	-	< 0.005	-	-
PULPDUP	290903	-	< 0.005	-	-
PREPDUP	290918	-	0.083	-	-
PULPDUP	290918	-	0.097	-	-
PULPDUP	290928	-	< 0.005	-	-
PULPDUP	290938	-	0.018	-	-
PULPDUP	290953	-	0.013	-	-
PULPDUP	290963	-	< 0.005	-	-



Report No.: A20-14950-Au
 Report Date: 21-Dec-20
 Date Submitted: 20-Nov-20
 Your Reference: CAR200801

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

165 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	GOP AA-Au (Au - Fire Assay AA)	2020-12-09 12:05:55

REPORT **A20-14950-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	290967	1.74	< 0.005	-	-
ASSAY	290968	1.80	0.005	-	-
ASSAY	290969	1.80	0.011	-	-
ASSAY	290970	1.07	< 0.005	-	-
ASSAY	290971	1.86	0.005	-	-
ASSAY	290972	0.906	< 0.005	-	-
ASSAY	290973	0.876	0.027	-	-
ASSAY	290974	0.853	0.008	-	-
ASSAY	290975	0.970	0.008	-	-
ASSAY	290976	0.714	0.009	-	-
ASSAY	290977	0.579	1.50	-	-
ASSAY	290978	0.971	0.259	-	-
ASSAY	290979	0.823	0.025	-	-
ASSAY	290980	0.977	0.010	-	-
ASSAY	290981	1.03	0.024	-	-
ASSAY	290982	1.58	< 0.005	-	-
ASSAY	290983	1.95	0.009	-	-
ASSAY	290984	1.96	< 0.005	-	-
ASSAY	290985	2.47	0.005	-	-
ASSAY	290986	1.62	0.006	-	-
ASSAY	290987	1.90	0.007	-	-
ASSAY	290988	1.98	0.006	-	-
ASSAY	290989	1.73	0.009	-	-
ASSAY	290990	2.17	0.010	-	-
ASSAY	290991	1.92	< 0.005	-	-
ASSAY	290992	1.88	< 0.005	-	-
ASSAY	290993	0.0650	1.62	-	-
ASSAY	290994	0.886	< 0.005	-	-
ASSAY	290995	0.866	< 0.005	-	-
ASSAY	290996	0.810	< 0.005	-	-
ASSAY	290997	1.02	< 0.005	-	-
ASSAY	290998	1.00	0.009	-	-
ASSAY	290999	1.77	0.014	-	-
ASSAY	291000	0.782	0.011	-	-
ASSAY	291001	0.927	0.025	-	-
ASSAY	291002	0.816	< 0.005	-	-
ASSAY	291003	0.988	< 0.005	-	-
ASSAY	291004	2.06	< 0.005	-	-
ASSAY	291005	0.894	< 0.005	-	-
ASSAY	291006	1.07	< 0.005	-	-
ASSAY	291007	1.90	< 0.005	-	-
ASSAY	291008	1.70	< 0.005	-	-
ASSAY	291009	1.02	< 0.005	-	-
ASSAY	291010	0.974	0.005	-	-
ASSAY	291011	1.02	< 0.005	-	-
ASSAY	291012	0.475	< 0.005	-	-
ASSAY	291013	1.05	0.022	-	-
ASSAY	291014	0.942	0.018	-	-
ASSAY	291015	0.923	0.005	-	-
ASSAY	291016	0.889	0.009	-	-
ASSAY	291017	1.04	0.020	-	-
ASSAY	291018	0.883	0.011	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291019	0.879	0.007	-	-
ASSAY	291020	0.887	0.006	-	-
ASSAY	291021	0.989	0.007	-	-
ASSAY	291022	0.960	0.007	-	-
ASSAY	291023	0.893	0.015	-	-
ASSAY	291024	1.11	0.007	-	-
ASSAY	291025	1.07	< 0.005	-	-
ASSAY	291026	0.885	0.081	-	-
ASSAY	291027	1.55	0.027	-	-
ASSAY	291028	0.675	0.024	-	-
ASSAY	291029	1.06	0.024	-	-
ASSAY	291030	0.0650	6.49	-	-
ASSAY	291031	0.946	0.008	-	-
ASSAY	291032	1.02	< 0.005	-	-
ASSAY	291033	0.855	0.009	-	-
ASSAY	291034	0.927	0.009	-	-
ASSAY	291035	1.71	< 0.005	-	-
ASSAY	291036	2.01	0.006	-	-
ASSAY	291037	1.01	< 0.005	-	-
ASSAY	291038	1.17	0.008	-	-
ASSAY	291039	0.993	0.019	-	-
ASSAY	291040	0.940	0.014	-	-
ASSAY	291041	1.33	0.011	-	-
ASSAY	291042	1.03	0.006	-	-
ASSAY	291043	1.00	0.007	-	-
ASSAY	291044	0.762	0.006	-	-
ASSAY	291045	1.29	0.018	-	-
ASSAY	291046	1.56	< 0.005	-	-
ASSAY	291047	1.77	< 0.005	-	-
ASSAY	291048	1.83	< 0.005	-	-
ASSAY	291049	1.62	0.005	-	-
ASSAY	291050	1.10	0.005	-	-
ASSAY	291051	1.03	0.006	-	-
ASSAY	291052	1.40	0.644	-	-
ASSAY	291053	1.12	0.009	-	-
ASSAY	291054	2.17	0.038	-	-
ASSAY	291055	1.17	0.022	-	-
ASSAY	291056	0.937	0.031	-	-
ASSAY	291057	1.62	< 0.005	-	-
ASSAY	291058	0.856	< 0.005	-	-
ASSAY	291059	1.73	< 0.005	-	-
ASSAY	291060	0.791	0.005	-	-
ASSAY	291061	1.20	0.005	-	-
ASSAY	291062	0.697	0.027	-	-
ASSAY	291063	0.962	< 0.005	-	-
ASSAY	291064	0.631	0.009	-	-
ASSAY	291065	0.796	0.010	-	-
ASSAY	291066	0.514	0.005	-	-
ASSAY	291067	1.58	0.005	-	-
ASSAY	291068	1.80	< 0.005	-	-
ASSAY	291069	0.778	0.507	-	-
ASSAY	291070	0.0650	0.342	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	291071	1.52	0.086	-	-
ASSAY	291072	1.08	< 0.005	-	-
ASSAY	291073	1.30	< 0.005	-	-
ASSAY	291074	0.939	< 0.005	-	-
ASSAY	291075	0.903	< 0.005	-	-
ASSAY	291076	1.92	0.005	-	-
ASSAY	291077	1.96	0.019	-	-
ASSAY	291078	1.74	0.010	-	-
ASSAY	291079	1.80	0.049	-	-
ASSAY	291080	1.86	< 0.005	-	-
ASSAY	291081	1.42	0.011	-	-
ASSAY	291082	1.25	< 0.005	-	-
ASSAY	291083	1.26	< 0.005	-	-
ASSAY	291084	0.782	< 0.005	-	-
ASSAY	291085	1.61	0.005	-	-
ASSAY	291086	1.53	0.005	-	-
ASSAY	291087	0.817	0.005	-	-
ASSAY	291088	0.763	0.027	-	-
ASSAY	291089	1.61	0.008	-	-
ASSAY	291090	1.07	0.007	-	-
ASSAY	291091	0.761	0.008	-	-
ASSAY	291092	0.983	0.010	-	-
ASSAY	291093	0.740	0.009	-	-
ASSAY	291094	0.858	< 0.005	-	-
ASSAY	291095	0.844	0.008	-	-
ASSAY	291096	0.647	0.023	-	-
ASSAY	291097	0.830	0.007	-	-
ASSAY	291098	0.794	0.006	-	-
ASSAY	291099	0.919	0.006	-	-
ASSAY	291100	0.857	0.013	-	-
ASSAY	291101	0.735	0.018	-	-
ASSAY	291102	1.57	0.008	-	-
ASSAY	291103	1.04	0.012	-	-
ASSAY	291104	1.19	0.007	-	-
ASSAY	291105	1.77	0.009	-	-
ASSAY	291106	0.955	0.005	-	-
ASSAY	291107	1.67	0.032	-	-
ASSAY	291108	1.51	0.021	-	-
ASSAY	291109	1.30	0.012	-	-
ASSAY	291110	1.80	0.008	-	-
ASSAY	291111	0.822	< 0.005	-	-
ASSAY	291112	0.918	0.005	-	-
ASSAY	291113	0.0650	1.62	-	-
ASSAY	291114	0.795	< 0.005	-	-
ASSAY	291115	0.846	< 0.005	-	-
ASSAY	291116	0.610	0.006	-	-
ASSAY	291117	1.37	< 0.005	-	-
ASSAY	291118	0.984	0.008	-	-
ASSAY	291119	1.32	0.005	-	-
ASSAY	291120	1.60	0.006	-	-
ASSAY	291121	1.18	0.005	-	-
ASSAY	291122	1.37	0.017	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291123	1.59	0.012	-	-
ASSAY	291124	1.96	0.008	-	-
ASSAY	291125	1.98	0.360	-	-
ASSAY	291126	1.48	0.009	-	-
ASSAY	291127	0.982	< 0.005	-	-
ASSAY	291128	0.801	0.006	-	-
ASSAY	291129	0.927	0.042	-	-
ASSAY	291130	1.08	< 0.005	-	-
ASSAY	291131	0.880	< 0.005	-	-
PULPDUP	290976	-	0.009	-	-
PULPDUP	290986	-	0.006	-	-
PULPDUP	290996	-	< 0.005	-	-
PULPDUP	291011	-	< 0.005	-	-
PREPDUP	291016	-	0.014	-	-
PULPDUP	291020	-	0.006	-	-
PULPDUP	291031	-	0.010	-	-
PULPDUP	291045	-	0.014	-	-
PULPDUP	291055	-	< 0.005	-	-
PULPDUP	291065	-	0.006	-	-
PREPDUP	291066	-	0.006	-	-
PULPDUP	291089	-	0.007	-	-
PULPDUP	291099	-	0.006	-	-
PULPDUP	291114	-	0.009	-	-
PREPDUP	291116	-	0.009	-	-
PULPDUP	291123	-	0.011	-	-



Report No.: A20-15352
Report Date: 21-Dec-20
Date Submitted: 30-Nov-20
Your Reference: CAR200801

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

209 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (10g/m t) | QOP AA-Au (Au - Fire Assay AA) | 2020-12-16 14:49:27

REPORT A20-15352

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Notes:

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

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
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Report No.: A20-15352
Report Date: 21-Dec-20
Date Submitted: 30-Nov-20
Your Reference: CAR200801

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

209 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
Weight Rpt (kg)-Geraldton	Received Weights	2020-12-16 21:45:20

REPORT A20-15352

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Notes:

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

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291132	1.09	0.006	-	-
ASSAY	291133	2.22	< 0.005	-	-
ASSAY	291134	2.51	0.005	-	-
ASSAY	291135	2.60	0.005	-	-
ASSAY	291136	1.27	0.009	-	-
ASSAY	291137	2.36	< 0.005	-	-
ASSAY	291138	1.18	0.008	-	-
ASSAY	291139	1.02	< 0.005	-	-
ASSAY	291140	1.29	0.012	-	-
ASSAY	291141	1.35	0.006	-	-
ASSAY	291142	1.15	0.006	-	-
ASSAY	291143	1.24	0.010	-	-
ASSAY	291144	1.20	0.033	-	-
ASSAY	291145	1.43	0.005	-	-
ASSAY	291146	2.06	0.013	-	-
ASSAY	291147	0.786	0.019	-	-
ASSAY	291148	1.21	0.021	-	-
ASSAY	291149	1.29	0.022	-	-
ASSAY	291150	0.0840	6.95	-	-
ASSAY	291151	1.78	0.013	-	-
ASSAY	291152	1.99	< 0.005	-	-
ASSAY	291153	2.03	< 0.005	-	-
ASSAY	291154	1.50	0.009	-	-
ASSAY	291155	1.23	< 0.005	-	-
ASSAY	291156	1.21	< 0.005	-	-
ASSAY	291157	1.26	< 0.005	-	-
ASSAY	291158	1.28	0.411	-	-
ASSAY	291159	1.22	0.045	-	-
ASSAY	291160	1.15	0.006	-	-
ASSAY	291161	1.36	< 0.005	-	-
ASSAY	291162	2.34	< 0.005	-	-
ASSAY	291163	2.33	< 0.005	-	-
ASSAY	291164	1.14	0.011	-	-
ASSAY	291165	1.39	0.037	-	-
ASSAY	291166	1.10	0.025	-	-
ASSAY	291167	1.41	0.031	-	-
ASSAY	291168	1.24	0.016	-	-
ASSAY	291169	1.34	0.039	-	-
ASSAY	291170	0.686	< 0.005	-	-
ASSAY	291171	1.49	0.055	-	-
ASSAY	291172	2.53	0.058	-	-
ASSAY	291173	2.66	0.018	-	-
ASSAY	291174	2.34	0.102	-	-
ASSAY	291175	2.42	< 0.005	-	-
ASSAY	291176	2.55	< 0.005	-	-
ASSAY	291177	2.69	< 0.005	-	-
ASSAY	291178	1.27	< 0.005	-	-
ASSAY	291179	1.21	0.007	-	-
ASSAY	291180	2.51	< 0.005	-	-
ASSAY	291181	1.16	0.017	-	-
ASSAY	291182	1.49	< 0.005	-	-
ASSAY	291183	2.39	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt	g/tonne	
ASSAY	291184	1.27	< 0.005	-	-
ASSAY	291185	1.18	0.005	-	-
ASSAY	291186	1.09	< 0.005	-	-
ASSAY	291187	1.13	0.062	-	-
ASSAY	291188	0.988	0.030	-	-
ASSAY	291189	1.32	0.013	-	-
ASSAY	291190	0.0820	0.346	-	-
ASSAY	291191	1.36	< 0.005	-	-
ASSAY	291192	1.15	< 0.005	-	-
ASSAY	291193	1.10	0.005	-	-
ASSAY	291194	2.35	< 0.005	-	-
ASSAY	291195	1.50	< 0.005	-	-
ASSAY	291196	1.04	0.010	-	-
ASSAY	291197	1.20	< 0.005	-	-
ASSAY	291198	2.22	< 0.005	-	-
ASSAY	291199	2.45	< 0.005	-	-
ASSAY	291200	1.03	< 0.005	-	-
ASSAY	291201	2.50	< 0.005	-	-
ASSAY	291202	1.51	< 0.005	-	-
ASSAY	291203	2.23	< 0.005	-	-
ASSAY	291204	1.33	0.008	-	-
ASSAY	291205	1.30	0.043	-	-
ASSAY	291206	1.58	0.028	-	-
ASSAY	291207	1.27	0.014	-	-
ASSAY	291208	2.11	< 0.005	-	-
ASSAY	291209	2.43	< 0.005	-	-
ASSAY	291210	0.708	< 0.005	-	-
ASSAY	291211	1.44	< 0.005	-	-
ASSAY	291212	1.30	0.070	-	-
ASSAY	291213	2.53	0.006	-	-
ASSAY	291214	1.50	0.019	-	-
ASSAY	291215	1.26	0.057	-	-
ASSAY	291216	1.29	0.010	-	-
ASSAY	291217	1.44	0.025	-	-
ASSAY	291218	2.63	0.008	-	-
ASSAY	291219	1.31	0.007	-	-
ASSAY	291220	1.27	0.026	-	-
ASSAY	291221	1.19	0.185	-	-
ASSAY	291222	1.56	< 0.005	-	-
ASSAY	291223	2.16	< 0.005	-	-
ASSAY	291224	1.66	< 0.005	-	-
ASSAY	291225	1.58	0.179	-	-
ASSAY	291226	1.24	0.009	-	-
ASSAY	291227	1.21	< 0.005	-	-
ASSAY	291228	1.97	< 0.005	-	-
ASSAY	291229	1.55	0.117	-	-
ASSAY	291230	0.0860	1.60	-	-
ASSAY	291231	2.00	0.098	-	-
ASSAY	291232	1.90	< 0.005	-	-
ASSAY	291233	2.44	< 0.005	-	-
ASSAY	291234	1.32	< 0.005	-	-
ASSAY	291235	1.22	0.064	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291236	2.25	0.006	-	-
ASSAY	291237	2.31	< 0.005	-	-
ASSAY	291238	1.53	0.035	-	-
ASSAY	291239	1.24	< 0.005	-	-
ASSAY	291240	2.38	< 0.005	-	-
ASSAY	291241	2.42	< 0.005	-	-
ASSAY	291242	1.29	< 0.005	-	-
ASSAY	291243	1.32	< 0.005	-	-
ASSAY	291244	2.60	< 0.005	-	-
ASSAY	291245	2.50	0.022	-	-
ASSAY	291246	2.01	0.006	-	-
ASSAY	291247	2.39	< 0.005	-	-
ASSAY	291248	2.47	< 0.005	-	-
ASSAY	291249	2.78	< 0.005	-	-
ASSAY	291250	0.716	< 0.005	-	-
ASSAY	291251	2.59	< 0.005	-	-
ASSAY	291252	2.47	< 0.005	-	-
ASSAY	291253	2.27	< 0.005	-	-
ASSAY	291254	0.904	0.306	-	-
ASSAY	291255	1.10	1.45	-	-
ASSAY	291256	1.11	3.19	-	-
ASSAY	291257	1.40	5.33	-	-
ASSAY	291258	1.25	1.18	-	-
ASSAY	291259	1.61	3.65	-	-
ASSAY	291260	1.24	> 10.0	38.8	-
ASSAY	291261	2.37	0.821	-	-
ASSAY	291262	1.31	0.258	-	-
ASSAY	291263	3.13	0.219	-	-
ASSAY	291264	2.01	0.008	-	-
ASSAY	291265	2.68	0.006	-	-
ASSAY	291266	2.37	0.006	-	-
ASSAY	291267	1.37	0.008	-	-
ASSAY	291268	1.12	0.034	-	-
ASSAY	291269	1.35	0.292	-	-
ASSAY	291270	0.0840	6.72	-	-
ASSAY	291271	1.17	2.36	-	-
ASSAY	291272	1.19	0.023	-	-
ASSAY	291273	1.60	0.084	-	-
ASSAY	291274	1.23	< 0.005	-	-
ASSAY	291275	1.35	< 0.005	-	-
ASSAY	291276	2.51	0.007	-	-
ASSAY	291277	2.79	0.509	-	-
ASSAY	291278	1.31	< 0.005	-	-
ASSAY	291279	1.28	0.008	-	-
ASSAY	291280	2.20	< 0.005	-	-
ASSAY	291281	2.38	0.009	-	-
ASSAY	291282	1.25	0.034	-	-
ASSAY	291283	1.16	0.110	-	-
ASSAY	291284	1.15	5.75	-	-
ASSAY	291285	1.35	0.027	-	-
ASSAY	291286	2.22	0.017	-	-
ASSAY	291287	1.24	0.034	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt	g/tonne	
ASSAY	291288	1.07	5.66	-	-
ASSAY	291289	1.48	0.879	-	-
ASSAY	291290	0.618	0.006	-	-
ASSAY	291291	1.43	0.025	-	-
ASSAY	291292	1.24	0.005	-	-
ASSAY	291293	1.39	0.129	-	-
ASSAY	291294	1.25	0.080	-	-
ASSAY	291295	1.27	0.304	-	-
ASSAY	291296	1.25	0.231	-	-
ASSAY	291297	1.09	0.397	-	-
ASSAY	291298	2.32	0.011	-	-
ASSAY	291299	1.27	< 0.005	-	-
ASSAY	291300	1.53	< 0.005	-	-
ASSAY	291301	1.16	< 0.005	-	-
ASSAY	291302	1.20	< 0.005	-	-
ASSAY	291303	2.34	< 0.005	-	-
ASSAY	291304	1.34	0.006	-	-
ASSAY	291305	1.42	< 0.005	-	-
ASSAY	291306	1.61	< 0.005	-	-
ASSAY	291307	0.992	< 0.005	-	-
ASSAY	291308	2.10	< 0.005	-	-
ASSAY	291309	1.22	3.56	-	-
ASSAY	291310	0.0780	0.332	-	-
ASSAY	291311	1.44	0.068	-	-
ASSAY	291312	2.37	0.007	-	-
ASSAY	291313	2.39	0.009	-	-
ASSAY	291314	2.52	0.022	-	-
ASSAY	291315	2.50	0.006	-	-
ASSAY	291316	2.49	< 0.005	-	-
ASSAY	291317	2.38	0.068	-	-
ASSAY	291318	2.52	0.015	-	-
ASSAY	291319	2.19	< 0.005	-	-
ASSAY	291320	2.64	0.005	-	-
ASSAY	291321	2.22	0.007	-	-
ASSAY	291322	2.38	< 0.005	-	-
ASSAY	291323	1.13	0.006	-	-
ASSAY	291324	1.21	0.666	-	-
ASSAY	291325	2.58	< 0.005	-	-
ASSAY	291326	2.45	< 0.005	-	-
ASSAY	291327	2.60	< 0.005	-	-
ASSAY	291328	1.90	0.024	-	-
ASSAY	291329	2.35	0.139	-	-
ASSAY	291330	0.674	< 0.005	-	-
ASSAY	291331	2.27	< 0.005	-	-
ASSAY	291332	2.76	< 0.005	-	-
ASSAY	291333	2.42	< 0.005	-	-
ASSAY	291334	2.22	< 0.005	-	-
ASSAY	291335	1.72	0.029	-	-
ASSAY	291336	1.32	0.047	-	-
ASSAY	291337	1.18	0.044	-	-
ASSAY	291338	2.31	0.005	-	-
ASSAY	291339	1.97	0.012	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291340	1.30	< 0.005	-	-
PULPDUP	291141	-	0.005	-	-
PULPDUP	291151	-	0.013	-	-
PULPDUP	291161	-	< 0.005	-	-
PULPDUP	291176	-	< 0.005	-	-
PREPDUP	291181	-	0.019	-	-
PULPDUP	291185	-	< 0.005	-	-
PULPDUP	291195	-	< 0.005	-	-
PULPDUP	291210	-	< 0.005	-	-
PULPDUP	291220	-	0.035	-	-
PULPDUP	291229	-	0.097	-	-
PREPDUP	291231	-	0.092	-	-
PULPDUP	291244	-	< 0.005	-	-
PULPDUP	291254	-	0.266	-	-
PULPDUP	291264	-	0.007	-	-
PULPDUP	291279	-	0.007	-	-
PREPDUP	291281	-	0.009	-	-
PULPDUP	291288	-	5.26	-	-
PULPDUP	291298	-	0.009	-	-
PULPDUP	291313	-	< 0.005	-	-
PULPDUP	291323	-	0.006	-	-
PREPDUP	291331	-	< 0.005	-	-
PULPDUP	291332	-	< 0.005	-	-



Report No.: A20-15536
Report Date: 25-Jan-21
Date Submitted: 03-Dec-20
Your Reference: CAR200801

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

160 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Timmins (10g/m t) | QOP AA-Au (Au - Fire Assay AA) | 2021-01-21 11:25:27

REPORT A20-15536

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Notes:

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

CERTIFIED BY:

[Handwritten signature]

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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Report No.: A20-15536
Report Date: 25-Jan-21
Date Submitted: 03-Dec-20
Your Reference: CAR200801

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

160 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
Weight Rpt (kg)-Geraldton	Received Weights	2021-01-22 06:17:32

REPORT **A20-15536**

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Notes:

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

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
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	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291341	1.65	< 0.005	-	-
ASSAY	291342	2.28	< 0.005	-	-
ASSAY	291343	1.02	0.045	-	-
ASSAY	291344	2.49	0.008	-	-
ASSAY	291345	2.78	< 0.005	-	-
ASSAY	291346	2.57	0.012	-	-
ASSAY	291347	1.20	0.052	-	-
ASSAY	291348	1.08	7.05	-	-
ASSAY	291349	1.32	0.732	-	-
ASSAY	291350	0.0800	1.59	-	-
ASSAY	291351	1.57	0.005	-	-
ASSAY	291352	2.41	< 0.005	-	-
ASSAY	291353	1.33	< 0.005	-	-
ASSAY	291354	1.20	< 0.005	-	-
ASSAY	291355	1.29	0.011	-	-
ASSAY	291356	1.26	0.012	-	-
ASSAY	291357	2.13	< 0.005	-	-
ASSAY	291358	1.21	< 0.005	-	-
ASSAY	291359	1.23	< 0.005	-	-
ASSAY	291360	2.44	< 0.005	-	-
ASSAY	291361	1.22	< 0.005	-	-
ASSAY	291362	1.38	< 0.005	-	-
ASSAY	291363	1.07	0.076	-	-
ASSAY	291364	1.23	0.201	-	-
ASSAY	291365	1.09	0.070	-	-
ASSAY	291366	1.29	0.056	-	-
ASSAY	291367	2.35	0.015	-	-
ASSAY	291368	1.21	0.012	-	-
ASSAY	291369	2.29	0.065	-	-
ASSAY	291370	0.674	< 0.005	-	-
ASSAY	291371	1.29	0.045	-	-
ASSAY	291372	1.16	0.008	-	-
ASSAY	291373	1.26	0.008	-	-
ASSAY	291374	1.29	0.008	-	-
ASSAY	291375	1.22	< 0.005	-	-
ASSAY	291376	1.36	0.006	-	-
ASSAY	291377	1.08	0.017	-	-
ASSAY	291378	2.41	< 0.005	-	-
ASSAY	291379	1.25	< 0.005	-	-
ASSAY	291380	1.53	< 0.005	-	-
ASSAY	291381	1.35	< 0.005	-	-
ASSAY	291382	1.37	0.007	-	-
ASSAY	291383	2.56	< 0.005	-	-
ASSAY	291384	2.50	0.010	-	-
ASSAY	291385	0.966	0.016	-	-
ASSAY	291386	1.62	0.007	-	-
ASSAY	291387	1.70	0.009	-	-
ASSAY	291388	2.14	0.011	-	-
ASSAY	291389	2.20	< 0.005	-	-
ASSAY	291390	0.0800	6.51	-	-
ASSAY	291391	1.34	0.013	-	-
ASSAY	291392	2.24	0.008	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	291393	2.86	< 0.005	-	-
ASSAY	291394	1.21	< 0.005	-	-
ASSAY	291395	2.56	0.017	-	-
ASSAY	291396	2.78	0.009	-	-
ASSAY	291397	2.44	0.050	-	-
ASSAY	291398	2.06	< 0.005	-	-
ASSAY	291399	2.51	< 0.005	-	-
ASSAY	291400	2.27	< 0.005	-	-
ASSAY	291401	2.39	< 0.005	-	-
ASSAY	291402	2.39	< 0.005	-	-
ASSAY	291403	2.22	< 0.005	-	-
ASSAY	291404	2.26	0.006	-	-
ASSAY	291405	2.31	0.009	-	-
ASSAY	291406	1.16	0.042	-	-
ASSAY	291407	1.21	0.007	-	-
ASSAY	291408	1.05	0.105	-	-
ASSAY	291409	1.25	1.26	-	-
ASSAY	291410	0.668	< 0.005	-	-
ASSAY	291411	2.42	0.054	-	-
ASSAY	291412	2.44	0.051	-	-
ASSAY	291413	1.14	0.032	-	-
ASSAY	291414	1.02	0.767	-	-
ASSAY	291415	1.36	< 0.005	-	-
ASSAY	291416	1.04	3.28	-	-
ASSAY	291417	1.24	0.051	-	-
ASSAY	291418	1.29	0.008	-	-
ASSAY	291419	2.49	0.010	-	-
ASSAY	291420	2.65	0.005	-	-
ASSAY	291421	1.87	0.025	-	-
ASSAY	291422	1.15	0.066	-	-
ASSAY	291423	2.09	< 0.005	-	-
ASSAY	291424	2.25	< 0.005	-	-
ASSAY	291425	1.21	< 0.005	-	-
ASSAY	291426	1.31	0.076	-	-
ASSAY	291427	2.64	< 0.005	-	-
ASSAY	291428	1.19	0.218	-	-
ASSAY	291429	1.38	0.351	-	-
ASSAY	291430	0.0800	0.344	-	-
ASSAY	291431	2.10	0.025	-	-
ASSAY	291432	2.97	< 0.005	-	-
ASSAY	291433	2.55	< 0.005	-	-
ASSAY	291434	2.38	< 0.005	-	-
ASSAY	291435	2.62	< 0.005	-	-
ASSAY	291436	2.67	< 0.005	-	-
ASSAY	291437	2.62	0.007	-	-
ASSAY	291438	1.21	0.054	-	-
ASSAY	291439	1.37	0.152	-	-
ASSAY	291440	2.27	0.037	-	-
ASSAY	291441	2.37	0.995	-	-
ASSAY	291442	1.73	1.30	-	-
ASSAY	291443	1.36	4.15	-	-
ASSAY	291444	1.64	0.251	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	291445	1.26	0.005	-	-
ASSAY	291446	1.09	0.025	-	-
ASSAY	291447	2.52	< 0.005	-	-
ASSAY	291448	1.27	0.011	-	-
ASSAY	291449	1.36	0.009	-	-
ASSAY	291450	0.774	< 0.005	-	-
ASSAY	291451	2.42	< 0.005	-	-
ASSAY	291452	1.29	< 0.005	-	-
ASSAY	291453	1.28	< 0.005	-	-
ASSAY	291454	2.58	< 0.005	-	-
ASSAY	291455	2.67	< 0.005	-	-
ASSAY	291456	2.57	< 0.005	-	-
ASSAY	291457	2.36	0.007	-	-
ASSAY	291458	2.43	0.016	-	-
ASSAY	291459	2.51	< 0.005	-	-
ASSAY	291460	2.39	0.007	-	-
ASSAY	291461	2.32	0.005	-	-
ASSAY	291462	2.44	0.007	-	-
ASSAY	291463	2.28	0.006	-	-
ASSAY	291464	2.68	< 0.005	-	-
ASSAY	291465	2.55	< 0.005	-	-
ASSAY	291466	2.30	< 0.005	-	-
ASSAY	291467	2.05	< 0.005	-	-
ASSAY	291468	2.31	< 0.005	-	-
ASSAY	291469	1.01	0.009	-	-
ASSAY	291470	0.0800	1.58	-	-
ASSAY	291471	1.28	< 0.005	-	-
ASSAY	291472	1.07	< 0.005	-	-
ASSAY	291473	1.41	0.055	-	-
ASSAY	291474	2.38	0.032	-	-
ASSAY	291475	2.39	< 0.005	-	-
ASSAY	291476	2.12	0.212	-	-
ASSAY	291477	0.982	< 0.005	-	-
ASSAY	291478	1.54	0.382	-	-
ASSAY	291479	2.22	0.008	-	-
ASSAY	291480	1.07	0.071	-	-
ASSAY	291481	1.36	< 0.005	-	-
ASSAY	291482	2.21	1.28	-	-
ASSAY	291483	1.23	0.027	-	-
ASSAY	291484	1.30	0.018	-	-
ASSAY	291485	2.77	0.010	-	-
ASSAY	291486	2.25	0.266	-	-
ASSAY	291487	2.28	0.039	-	-
ASSAY	291488	2.16	0.033	-	-
ASSAY	291489	1.95	< 0.005	-	-
ASSAY	291490	0.856	< 0.005	-	-
ASSAY	291491	2.72	< 0.005	-	-
ASSAY	291492	1.17	< 0.005	-	-
ASSAY	291493	1.09	< 0.005	-	-
ASSAY	291494	2.11	< 0.005	-	-
ASSAY	291495	2.32	< 0.005	-	-
ASSAY	291496	2.20	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291497	2.17	< 0.005	-	-
ASSAY	291498	2.11	< 0.005	-	-
ASSAY	291499	2.03	< 0.005	-	-
ASSAY	291500	1.20	< 0.005	-	-
PULPDUP	291351	-	< 0.005	-	-
PULPDUP	291360	-	< 0.005	-	-
PULPDUP	291370	-	< 0.005	-	-
PULPDUP	291385	-	0.019	-	-
PREPDUP	291389	-	< 0.005	-	-
PULPDUP	291394	-	< 0.005	-	-
PULPDUP	291404	-	< 0.005	-	-
PULPDUP	291419	-	0.008	-	-
PULPDUP	291429	-	0.369	-	-
PULPDUP	291439	-	0.164	-	-
PREPDUP	291440	-	0.027	-	-
PULPDUP	291453	-	< 0.005	-	-
PULPDUP	291463	-	0.005	-	-
PULPDUP	291473	-	0.063	-	-
PULPDUP	291488	-	0.047	-	-
PREPDUP	291490	-	< 0.005	-	-
PULPDUP	291497	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A20-15915
 Report Date: 14-Jan-21
 Date Submitted: 10-Dec-20
 Your Reference: CAR200801

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

190 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-01-09 15:28:14
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-01-13 17:23:59
Weight Rpt (kg)-Timmins	Received Weights	2021-01-11 10:45:50

REPORT **A20-15915**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291501	2.29	0.019	-	-
ASSAY	291502	2.00	< 0.005	-	-
ASSAY	291503	1.59	0.006	-	-
ASSAY	291504	2.26	0.010	-	-
ASSAY	291505	2.11	0.085	-	-
ASSAY	291506	1.32	0.005	-	-
ASSAY	291507	2.10	0.008	-	-
ASSAY	291508	2.17	0.019	-	-
ASSAY	291509	2.28	0.023	-	-
ASSAY	291510	0.0530	6.87	-	-
ASSAY	291511	2.87	0.642	-	-
ASSAY	291512	2.05	0.041	-	-
ASSAY	291513	1.71	0.040	-	-
ASSAY	291514	1.91	0.011	-	-
ASSAY	291515	1.61	0.014	-	-
ASSAY	291516	1.59	< 0.005	-	-
ASSAY	291517	2.08	0.021	-	-
ASSAY	291518	2.16	< 0.005	-	-
ASSAY	291519	1.32	< 0.005	-	-
ASSAY	291520	1.65	< 0.005	-	-
ASSAY	291521	2.24	< 0.005	-	-
ASSAY	291522	2.14	< 0.005	-	-
ASSAY	291523	1.58	0.016	-	-
ASSAY	291524	1.86	0.015	-	-
ASSAY	291525	2.66	< 0.005	-	-
ASSAY	291526	2.44	< 0.005	-	-
ASSAY	291527	1.33	0.014	-	-
ASSAY	291528	1.76	0.009	-	-
ASSAY	291529	2.29	< 0.005	-	-
ASSAY	291530	0.661	< 0.005	-	-
ASSAY	291531	2.28	0.018	-	-
ASSAY	291532	3.70	0.026	-	-
ASSAY	291533	1.34	0.031	-	-
ASSAY	291534	1.22	4.36	-	-
ASSAY	291535	1.13	3.46	-	-
ASSAY	291536	1.26	5.90	-	-
ASSAY	291537	1.35	0.024	-	-
ASSAY	291538	1.03	1.95	-	-
ASSAY	291539	1.27	0.010	-	-
ASSAY	291540	2.30	0.335	-	-
ASSAY	291541	3.77	> 10.0	40.1	-
ASSAY	291542	1.03	0.337	-	-
ASSAY	291543	1.22	1.91	-	-
ASSAY	291544	1.36	0.198	-	-
ASSAY	291545	1.15	0.012	-	-
ASSAY	291546	1.37	0.008	-	-
ASSAY	291547	1.66	0.043	-	-
ASSAY	291548	1.72	0.020	-	-
ASSAY	291549	1.32	0.026	-	-
ASSAY	291550	0.0530	0.364	-	-
ASSAY	291551	1.09	0.023	-	-
ASSAY	291552	1.13	0.028	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291553	1.30	0.011	-	-
ASSAY	291554	1.33	0.006	-	-
ASSAY	291555	1.27	0.049	-	-
ASSAY	291556	2.21	0.017	-	-
ASSAY	291557	2.65	0.006	-	-
ASSAY	291558	1.81	0.007	-	-
ASSAY	291559	2.15	< 0.005	-	-
ASSAY	291560	1.01	0.018	-	-
ASSAY	291561	1.22	0.007	-	-
ASSAY	291562	1.50	< 0.005	-	-
ASSAY	291563	1.78	0.204	-	-
ASSAY	291564	2.15	0.489	-	-
ASSAY	291565	1.38	0.030	-	-
ASSAY	291566	1.95	0.032	-	-
ASSAY	291567	2.41	0.104	-	-
ASSAY	291568	1.27	0.156	-	-
ASSAY	291569	1.04	0.145	-	-
ASSAY	291570	0.784	0.006	-	-
ASSAY	291571	1.41	0.009	-	-
ASSAY	291572	2.12	0.031	-	-
ASSAY	291573	1.27	0.008	-	-
ASSAY	291574	1.29	0.009	-	-
ASSAY	291575	1.42	< 0.005	-	-
ASSAY	291576	1.98	0.009	-	-
ASSAY	291577	1.84	0.204	-	-
ASSAY	291578	1.36	0.137	-	-
ASSAY	291579	1.45	0.022	-	-
ASSAY	291580	1.25	0.586	-	-
ASSAY	291581	2.14	0.023	-	-
ASSAY	291582	1.18	0.016	-	-
ASSAY	291583	1.49	0.018	-	-
ASSAY	291584	1.94	0.011	-	-
ASSAY	291585	1.74	0.022	-	-
ASSAY	291586	1.51	0.024	-	-
ASSAY	291587	2.28	0.009	-	-
ASSAY	291588	2.41	0.005	-	-
ASSAY	291589	2.27	0.037	-	-
ASSAY	291590	0.0530	1.60	-	-
ASSAY	291591	2.18	0.008	-	-
ASSAY	291592	1.72	0.005	-	-
ASSAY	291593	2.68	0.008	-	-
ASSAY	291594	2.26	0.036	-	-
ASSAY	291595	1.76	0.043	-	-
ASSAY	291596	1.76	0.005	-	-
ASSAY	291597	3.06	< 0.005	-	-
ASSAY	291598	2.04	0.019	-	-
ASSAY	291599	1.30	0.026	-	-
ASSAY	291600	1.16	< 0.005	-	-
ASSAY	291601	1.64	< 0.005	-	-
ASSAY	291602	2.01	< 0.005	-	-
ASSAY	291603	2.50	< 0.005	-	-
ASSAY	291604	1.30	0.019	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291605	1.21	0.031	-	-
ASSAY	291606	1.07	0.014	-	-
ASSAY	291607	2.43	0.005	-	-
ASSAY	291608	2.75	0.032	-	-
ASSAY	291609	2.06	< 0.005	-	-
ASSAY	291610	0.548	0.005	-	-
ASSAY	291611	1.85	0.011	-	-
ASSAY	291612	2.17	0.014	-	-
ASSAY	291613	1.09	0.035	-	-
ASSAY	291614	1.36	0.006	-	-
ASSAY	291615	1.60	0.053	-	-
ASSAY	291616	1.04	0.507	-	-
ASSAY	291617	1.82	0.480	-	-
ASSAY	291618	1.48	0.114	-	-
ASSAY	291619	1.22	0.080	-	-
ASSAY	291620	2.60	0.009	-	-
ASSAY	291621	2.22	< 0.005	-	-
ASSAY	291622	1.11	0.013	-	-
ASSAY	291623	1.74	0.009	-	-
ASSAY	291624	1.24	< 0.005	-	-
ASSAY	291625	1.04	< 0.005	-	-
ASSAY	291626	2.09	< 0.005	-	-
ASSAY	291627	1.65	< 0.005	-	-
ASSAY	291628	1.31	0.005	-	-
ASSAY	291629	1.49	< 0.005	-	-
ASSAY	291630	0.0530	6.93	-	-
ASSAY	291631	1.29	0.005	-	-
ASSAY	291632	1.88	< 0.005	-	-
ASSAY	291633	2.47	< 0.005	-	-
ASSAY	291634	2.55	< 0.005	-	-
ASSAY	291635	1.86	0.008	-	-
ASSAY	291636	1.29	0.011	-	-
ASSAY	291637	1.24	0.007	-	-
ASSAY	291638	1.26	0.027	-	-
ASSAY	291639	1.19	0.018	-	-
ASSAY	291640	1.32	0.122	-	-
ASSAY	291641	1.28	0.019	-	-
ASSAY	291642	1.35	0.186	-	-
ASSAY	291643	1.28	0.021	-	-
ASSAY	291644	2.32	0.005	-	-
ASSAY	291645	2.04	0.015	-	-
ASSAY	291646	1.22	0.021	-	-
ASSAY	291647	1.33	< 0.005	-	-
ASSAY	291648	1.34	0.588	-	-
ASSAY	291649	1.38	0.037	-	-
ASSAY	291650	0.708	< 0.005	-	-
ASSAY	291651	1.30	0.012	-	-
ASSAY	291652	1.19	0.012	-	-
ASSAY	291653	1.33	0.006	-	-
ASSAY	291654	1.21	0.008	-	-
ASSAY	291655	2.22	0.009	-	-
ASSAY	291656	1.18	0.013	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	291657	1.34	< 0.005	-	-
ASSAY	291658	2.37	0.006	-	-
ASSAY	291659	1.72	0.015	-	-
ASSAY	291660	2.49	0.054	-	-
ASSAY	291661	2.24	0.030	-	-
ASSAY	291662	2.30	0.007	-	-
ASSAY	291663	2.74	0.027	-	-
ASSAY	291664	2.34	0.005	-	-
ASSAY	291665	2.42	0.008	-	-
ASSAY	291666	2.72	0.011	-	-
ASSAY	291667	2.48	0.035	-	-
ASSAY	291668	2.51	0.007	-	-
ASSAY	291669	1.82	0.027	-	-
ASSAY	291670	0.0530	0.350	-	-
ASSAY	291671	2.27	0.018	-	-
ASSAY	291672	2.82	0.007	-	-
ASSAY	291673	1.96	< 0.005	-	-
ASSAY	291674	1.41	0.009	-	-
ASSAY	291675	1.11	0.022	-	-
ASSAY	291676	1.32	0.032	-	-
ASSAY	291677	1.06	0.007	-	-
ASSAY	291678	1.33	< 0.005	-	-
ASSAY	291679	1.58	< 0.005	-	-
ASSAY	291680	2.22	0.005	-	-
ASSAY	291681	1.66	< 0.005	-	-
ASSAY	291682	2.19	0.006	-	-
ASSAY	291683	1.20	0.018	-	-
ASSAY	291684	1.43	0.009	-	-
ASSAY	291685	1.21	0.006	-	-
ASSAY	291686	1.03	0.009	-	-
ASSAY	291687	2.28	0.006	-	-
ASSAY	291688	1.83	0.009	-	-
ASSAY	291689	2.55	0.018	-	-
ASSAY	291690	0.718	< 0.005	-	-
PULPDUP	291511	-	0.589	-	-
PULPDUP	291520	-	< 0.005	-	-
PULPDUP	291530	-	< 0.005	-	-
PULPDUP	291545	-	0.007	-	-
PREPDUP	291551	-	0.014	-	-
PULPDUP	291554	-	< 0.005	-	-
PULPDUP	291564	-	0.451	-	-
PULPDUP	291589	-	< 0.005	-	-
PULPDUP	291599	-	0.024	-	-
PREPDUP	291600	-	< 0.005	-	-
PULPDUP	291613	-	0.008	-	-
PULPDUP	291623	-	< 0.005	-	-
PULPDUP	291633	-	0.007	-	-
PULPDUP	291648	-	0.692	-	-
PREPDUP	291650	-	< 0.005	-	-
PULPDUP	291657	-	0.006	-	-
PULPDUP	291667	-	0.036	-	-
PULPDUP	291682	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A20-16637
 Report Date: 14-Jan-21
 Date Submitted: 23-Dec-20
 Your Reference: CAR2001101

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

220 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-01-11 09:56:25
Weight Rpt (kg)-Timmins	Received Weights	2021-01-11 13:19:05

REPORT **A20-16637**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	121691	2.13	0.009	-	-
ASSAY	121692	2.31	0.015	-	-
ASSAY	121693	2.06	0.007	-	-
ASSAY	121694	2.46	< 0.005	-	-
ASSAY	121695	1.64	0.005	-	-
ASSAY	121696	1.01	0.016	-	-
ASSAY	121697	1.66	< 0.005	-	-
ASSAY	121698	1.11	< 0.005	-	-
ASSAY	121699	1.13	0.302	-	-
ASSAY	121700	1.03	0.018	-	-
ASSAY	121701	1.56	< 0.005	-	-
ASSAY	121702	1.93	0.013	-	-
ASSAY	121703	1.27	< 0.005	-	-
ASSAY	121704	1.39	0.007	-	-
ASSAY	121705	2.21	0.008	-	-
ASSAY	121706	2.47	0.005	-	-
ASSAY	121707	1.13	< 0.005	-	-
ASSAY	121708	1.93	< 0.005	-	-
ASSAY	121709	2.16	< 0.005	-	-
ASSAY	121710	0.0980	1.55	-	-
ASSAY	121711	2.17	0.015	-	-
ASSAY	121712	1.89	< 0.005	-	-
ASSAY	121713	1.43	< 0.005	-	-
ASSAY	121714	1.01	< 0.005	-	-
ASSAY	121715	1.27	< 0.005	-	-
ASSAY	121716	1.58	< 0.005	-	-
ASSAY	121717	2.25	< 0.005	-	-
ASSAY	121718	1.14	0.008	-	-
ASSAY	121719	2.18	< 0.005	-	-
ASSAY	121720	2.25	< 0.005	-	-
ASSAY	121721	2.11	< 0.005	-	-
ASSAY	121722	2.02	0.006	-	-
ASSAY	121723	1.25	0.018	-	-
ASSAY	121724	1.02	< 0.005	-	-
ASSAY	121725	1.18	0.017	-	-
ASSAY	121726	1.01	0.006	-	-
ASSAY	121727	1.74	< 0.005	-	-
ASSAY	121728	1.13	0.030	-	-
ASSAY	121729	1.42	< 0.005	-	-
ASSAY	121730	0.903	< 0.005	-	-
ASSAY	121731	1.67	0.005	-	-
ASSAY	121732	1.09	0.021	-	-
ASSAY	121733	1.03	0.011	-	-
ASSAY	121734	1.15	0.013	-	-
ASSAY	121735	1.11	< 0.005	-	-
ASSAY	121736	2.00	0.007	-	-
ASSAY	121737	2.08	< 0.005	-	-
ASSAY	121738	2.11	< 0.005	-	-
ASSAY	121739	2.08	0.124	-	-
ASSAY	121740	2.19	0.007	-	-
ASSAY	121741	1.84	0.008	-	-
ASSAY	121742	3.38	0.014	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	121743	2.18	0.022	-	-
ASSAY	121744	1.86	0.027	-	-
ASSAY	121745	2.32	< 0.005	-	-
ASSAY	121746	2.18	0.065	-	-
ASSAY	121747	2.22	0.005	-	-
ASSAY	121748	1.39	0.008	-	-
ASSAY	121749	2.49	< 0.005	-	-
ASSAY	121750	0.0970	0.349	-	-
ASSAY	121751	2.32	0.007	-	-
ASSAY	121752	2.07	< 0.005	-	-
ASSAY	121753	2.21	< 0.005	-	-
ASSAY	121754	2.02	< 0.005	-	-
ASSAY	121755	1.28	0.047	-	-
ASSAY	121756	1.40	0.006	-	-
ASSAY	121757	1.27	0.073	-	-
ASSAY	121758	1.02	0.036	-	-
ASSAY	121759	1.14	< 0.005	-	-
ASSAY	121760	1.09	< 0.005	-	-
ASSAY	121761	1.12	0.007	-	-
ASSAY	121762	1.16	< 0.005	-	-
ASSAY	121763	1.15	< 0.005	-	-
ASSAY	121764	1.08	< 0.005	-	-
ASSAY	121765	1.22	< 0.005	-	-
ASSAY	121766	1.03	0.259	-	-
ASSAY	121767	1.49	3.91	-	-
ASSAY	121768	1.01	0.018	-	-
ASSAY	121769	2.36	0.010	-	-
ASSAY	121770	0.684	< 0.005	-	-
ASSAY	121771	1.78	< 0.005	-	-
ASSAY	121772	2.14	< 0.005	-	-
ASSAY	121773	2.14	0.007	-	-
ASSAY	121774	2.13	0.327	-	-
ASSAY	121775	2.41	0.006	-	-
ASSAY	121776	2.20	0.011	-	-
ASSAY	121777	1.38	0.005	-	-
ASSAY	121778	1.13	0.010	-	-
ASSAY	121779	2.28	0.010	-	-
ASSAY	121780	1.05	0.052	-	-
ASSAY	121781	1.29	0.621	-	-
ASSAY	121782	1.15	0.469	-	-
ASSAY	121783	1.07	1.08	-	-
ASSAY	121784	1.18	0.036	-	-
ASSAY	121785	1.08	0.215	-	-
ASSAY	121786	1.20	0.028	-	-
ASSAY	121787	1.00	0.057	-	-
ASSAY	121788	1.88	1.80	-	-
ASSAY	121789	2.38	0.010	-	-
ASSAY	121790	0.0960	6.60	-	-
ASSAY	121791	2.33	0.017	-	-
ASSAY	121792	2.38	0.005	-	-
ASSAY	121793	1.16	< 0.005	-	-
ASSAY	121794	1.39	0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt	g/tonne	
ASSAY	121795	1.11	< 0.005	-	-
ASSAY	121796	1.75	0.016	-	-
ASSAY	121797	2.30	< 0.005	-	-
ASSAY	121798	2.18	0.034	-	-
ASSAY	121799	2.27	< 0.005	-	-
ASSAY	121800	1.53	0.006	-	-
ASSAY	121801	1.24	> 10.0	12.3	-
ASSAY	121802	1.78	0.031	-	-
ASSAY	121803	1.55	0.020	-	-
ASSAY	121804	1.54	0.767	-	-
ASSAY	121805	1.23	0.748	-	-
ASSAY	121806	1.12	0.011	-	-
ASSAY	121807	2.02	0.011	-	-
ASSAY	121808	1.93	5.48	-	-
ASSAY	121809	2.45	0.118	-	-
ASSAY	121810	0.765	< 0.005	-	-
ASSAY	121811	1.71	0.012	-	-
ASSAY	121812	2.86	0.052	-	-
ASSAY	121813	2.19	0.024	-	-
ASSAY	121814	2.29	0.044	-	-
ASSAY	121815	2.39	0.125	-	-
ASSAY	121816	2.19	0.012	-	-
ASSAY	121817	2.28	0.005	-	-
ASSAY	121818	2.10	0.085	-	-
ASSAY	121819	1.75	0.013	-	-
ASSAY	121820	1.28	0.008	-	-
ASSAY	121821	1.35	0.010	-	-
ASSAY	121822	2.44	< 0.005	-	-
ASSAY	121823	1.86	0.008	-	-
ASSAY	121824	3.29	< 0.005	-	-
ASSAY	121825	1.13	0.005	-	-
ASSAY	121826	1.11	0.008	-	-
ASSAY	121827	1.15	0.143	-	-
ASSAY	121828	1.10	0.030	-	-
ASSAY	121829	1.23	0.022	-	-
ASSAY	121830	0.0980	1.57	-	-
ASSAY	121831	1.18	0.015	-	-
ASSAY	121832	1.62	0.025	-	-
ASSAY	121833	1.99	0.013	-	-
ASSAY	121834	2.16	0.024	-	-
ASSAY	121835	2.19	< 0.005	-	-
ASSAY	121836	1.22	< 0.005	-	-
ASSAY	121837	1.11	< 0.005	-	-
ASSAY	121838	1.50	0.009	-	-
ASSAY	121839	1.65	0.021	-	-
ASSAY	121840	1.84	0.149	-	-
ASSAY	121841	2.13	0.018	-	-
ASSAY	121842	1.93	0.018	-	-
ASSAY	121843	2.04	0.005	-	-
ASSAY	121844	1.16	0.011	-	-
ASSAY	121845	2.61	< 0.005	-	-
ASSAY	121846	1.45	0.075	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	121847	1.23	0.029	-	-
ASSAY	121848	1.41	0.067	-	-
ASSAY	121849	1.05	0.012	-	-
ASSAY	121850	0.582	0.009	-	-
ASSAY	121851	1.34	< 0.005	-	-
ASSAY	121852	2.00	0.181	-	-
ASSAY	121853	2.40	0.008	-	-
ASSAY	121854	2.54	0.025	-	-
ASSAY	121855	2.66	0.012	-	-
ASSAY	121856	2.19	0.005	-	-
ASSAY	121857	2.67	0.035	-	-
ASSAY	121858	2.24	0.030	-	-
ASSAY	121859	1.38	0.012	-	-
ASSAY	121860	1.04	0.146	-	-
ASSAY	121861	2.66	0.005	-	-
ASSAY	121862	2.25	0.007	-	-
ASSAY	121863	1.13	< 0.005	-	-
ASSAY	121864	1.17	0.049	-	-
ASSAY	121865	2.49	0.007	-	-
ASSAY	121866	2.50	0.015	-	-
ASSAY	121867	2.19	0.009	-	-
ASSAY	121868	2.34	< 0.005	-	-
ASSAY	121869	2.14	0.009	-	-
ASSAY	121870	0.0960	0.351	-	-
ASSAY	121871	2.90	0.071	-	-
ASSAY	121872	1.08	0.045	-	-
ASSAY	121873	1.14	0.015	-	-
ASSAY	121874	1.32	0.009	-	-
ASSAY	121875	1.01	< 0.005	-	-
ASSAY	121876	1.18	0.036	-	-
ASSAY	121877	1.31	0.008	-	-
ASSAY	121878	2.46	0.008	-	-
ASSAY	121879	2.16	0.032	-	-
ASSAY	121880	1.71	0.007	-	-
ASSAY	121881	1.10	0.006	-	-
ASSAY	121882	1.23	< 0.005	-	-
ASSAY	121883	1.47	0.007	-	-
ASSAY	121884	1.29	0.025	-	-
ASSAY	121885	1.50	0.250	-	-
ASSAY	121886	1.67	0.008	-	-
ASSAY	121887	2.52	0.007	-	-
ASSAY	121888	2.09	< 0.005	-	-
ASSAY	121889	2.33	0.005	-	-
ASSAY	121890	0.718	< 0.005	-	-
ASSAY	121891	2.51	0.007	-	-
ASSAY	121892	1.13	0.025	-	-
ASSAY	121893	1.24	0.235	-	-
ASSAY	121894	1.25	0.015	-	-
ASSAY	121895	1.03	0.029	-	-
ASSAY	121896	1.14	0.010	-	-
ASSAY	121897	1.28	1.98	-	-
ASSAY	121898	1.15	5.67	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	121899	1.11	0.014	-	-
ASSAY	121900	2.23	0.017	-	-
ASSAY	121901	2.44	0.006	-	-
ASSAY	121902	2.50	0.007	-	-
ASSAY	121903	1.10	0.009	-	-
ASSAY	121904	1.11	0.012	-	-
ASSAY	121905	1.33	0.040	-	-
ASSAY	121906	1.43	0.008	-	-
ASSAY	121907	1.86	0.009	-	-
ASSAY	121908	2.32	0.006	-	-
ASSAY	121909	2.35	< 0.005	-	-
ASSAY	121910	0.0950	6.53	-	-
PULPDUP	121700	-	0.020	-	-
PULPDUP	121711	-	0.007	-	-
PULPDUP	121720	-	< 0.005	-	-
PULPDUP	121735	-	< 0.005	-	-
PREPDUP	121740	-	< 0.005	-	-
PULPDUP	121744	-	< 0.005	-	-
PULPDUP	121754	-	0.010	-	-
PULPDUP	121769	-	0.009	-	-
PULPDUP	121770	-	< 0.005	-	-
PULPDUP	121779	-	0.007	-	-
PULPDUP	121789	-	0.009	-	-
PREPDUP	121791	-	0.009	-	-
PULPDUP	121803	-	0.011	-	-
PULPDUP	121813	-	0.030	-	-
PULPDUP	121823	-	0.007	-	-
PULPDUP	121838	-	< 0.005	-	-
PREPDUP	121840	-	0.140	-	-
PULPDUP	121847	-	< 0.005	-	-
PULPDUP	121857	-	0.012	-	-
PULPDUP	121872	-	0.037	-	-
PULPDUP	121882	-	0.007	-	-
PREPDUP	121890	-	< 0.005	-	-
PULPDUP	121906	-	0.016	-	-



Report No.: A21-00388
 Report Date: 02-Feb-21
 Date Submitted: 08-Jan-21
 Your Reference: Carscallen

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

49 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-01 14:31:28
Weight Rpt (kg)-Timmins	Received Weights	2021-02-02 06:36:32

REPORT **A21-00388**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291911	1.30	0.012	-	-
ASSAY	291912	1.11	0.016	-	-
ASSAY	291913	1.05	< 0.005	-	-
ASSAY	291914	1.14	0.006	-	-
ASSAY	291915	3.18	0.005	-	-
ASSAY	291916	1.08	0.026	-	-
ASSAY	291917	1.03	0.015	-	-
ASSAY	291918	2.43	0.009	-	-
ASSAY	291919	2.08	< 0.005	-	-
ASSAY	291920	2.47	< 0.005	-	-
ASSAY	291921	2.49	0.009	-	-
ASSAY	291922	1.88	0.005	-	-
ASSAY	291923	2.55	< 0.005	-	-
ASSAY	291924	1.23	0.007	-	-
ASSAY	291925	1.26	0.010	-	-
ASSAY	291926	2.37	0.016	-	-
ASSAY	291927	2.43	0.013	-	-
ASSAY	291928	2.37	0.018	-	-
ASSAY	291929	2.51	0.008	-	-
ASSAY	291930	0.673	0.007	-	-
ASSAY	291931	2.51	0.010	-	-
ASSAY	291932	2.94	0.014	-	-
ASSAY	291933	2.39	0.008	-	-
ASSAY	291934	2.44	0.019	-	-
ASSAY	291935	2.64	< 0.005	-	-
ASSAY	291936	2.85	0.008	-	-
ASSAY	291937	1.26	0.007	-	-
ASSAY	291938	1.18	0.006	-	-
ASSAY	291939	1.07	0.024	-	-
ASSAY	291940	1.18	0.007	-	-
ASSAY	291941	2.41	0.005	-	-
ASSAY	291942	2.41	0.022	-	-
ASSAY	291943	2.24	0.006	-	-
ASSAY	291944	2.28	0.006	-	-
ASSAY	291945	2.12	< 0.005	-	-
ASSAY	291946	2.52	0.008	-	-
ASSAY	291947	1.15	0.006	-	-
ASSAY	291948	1.66	0.007	-	-
ASSAY	291949	1.93	0.056	-	-
ASSAY	291950	0.0980	1.56	-	-
ASSAY	291951	2.31	0.013	-	-
ASSAY	291952	2.22	0.053	-	-
ASSAY	291953	2.62	0.095	-	-
ASSAY	291954	2.24	< 0.005	-	-
ASSAY	291955	2.55	0.035	-	-
ASSAY	291956	2.26	< 0.005	-	-
ASSAY	291957	1.22	< 0.005	-	-
ASSAY	291958	1.08	< 0.005	-	-
ASSAY	291959	1.17	< 0.005	-	-
PULPDUP	291920	-	< 0.005	-	-
PULPDUP	291930	-	0.007	-	-
PULPDUP	291940	-	0.007	-	-

Results**Activation Laboratories Ltd.****Report: A21-00388**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE	Wgt	Au	Au	Au
	DESCRIPTION	Kg	g/mt		
PULPDUP	291955	-	0.035	-	-



Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

Report No.: A21-00566
Report Date: 02-Feb-21
Date Submitted: 13-Jan-21
Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	GOP AA-Au (Au - Fire Assay AA)	2021-02-02 10:45:03

REPORT **A21-00566**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	291960	2.17	< 0.005	-	-
ASSAY	291961	2.16	< 0.005	-	-
ASSAY	291962	0.967	< 0.005	-	-
ASSAY	291963	1.22	< 0.005	-	-
ASSAY	291964	1.71	0.011	-	-
ASSAY	291965	2.11	< 0.005	-	-
ASSAY	291966	2.08	< 0.005	-	-
ASSAY	291967	2.05	< 0.005	-	-
ASSAY	291968	2.11	< 0.005	-	-
ASSAY	291969	1.35	< 0.005	-	-
ASSAY	291970	0.720	< 0.005	-	-
ASSAY	291971	1.19	< 0.005	-	-
ASSAY	291972	2.11	< 0.005	-	-
ASSAY	291973	2.10	< 0.005	-	-
ASSAY	291974	2.10	< 0.005	-	-
ASSAY	291975	2.20	< 0.005	-	-
ASSAY	291976	2.12	< 0.005	-	-
ASSAY	291977	2.23	< 0.005	-	-
ASSAY	291978	2.28	< 0.005	-	-
ASSAY	291979	2.09	< 0.005	-	-
ASSAY	291980	1.90	< 0.005	-	-
ASSAY	291981	1.79	< 0.005	-	-
ASSAY	291982	1.84	< 0.005	-	-
ASSAY	291983	2.22	< 0.005	-	-
ASSAY	291984	0.919	< 0.005	-	-
ASSAY	291985	0.831	< 0.005	-	-
ASSAY	291986	2.05	< 0.005	-	-
ASSAY	291987	1.96	< 0.005	-	-
ASSAY	291988	1.95	< 0.005	-	-
ASSAY	291989	1.94	< 0.005	-	-
ASSAY	291990	0.0720	0.301	-	-
ASSAY	291991	2.07	< 0.005	-	-
ASSAY	291992	1.98	< 0.005	-	-
ASSAY	291993	2.07	< 0.005	-	-
ASSAY	291994	2.18	< 0.005	-	-
ASSAY	291995	1.92	0.405	-	-
ASSAY	291996	1.93	0.391	-	-
ASSAY	291997	2.36	0.324	-	-
ASSAY	291998	1.98	0.234	-	-
ASSAY	291999	1.83	0.008	-	-
ASSAY	292000	1.13	< 0.005	-	-
ASSAY	292001	2.23	< 0.005	-	-
ASSAY	292002	1.79	< 0.005	-	-
ASSAY	292003	2.33	< 0.005	-	-
ASSAY	292004	1.85	< 0.005	-	-
ASSAY	292005	2.35	< 0.005	-	-
ASSAY	292006	1.64	0.058	-	-
ASSAY	292007	1.11	0.078	-	-
ASSAY	292008	2.09	< 0.005	-	-
ASSAY	292009	1.49	0.069	-	-
ASSAY	292010	0.610	< 0.005	-	-
ASSAY	292011	1.08	0.040	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292012	2.49	0.009	-	-
ASSAY	292013	2.40	< 0.005	-	-
ASSAY	292014	1.23	< 0.005	-	-
ASSAY	292015	1.21	< 0.005	-	-
ASSAY	292016	2.39	< 0.005	-	-
ASSAY	292017	2.48	< 0.005	-	-
ASSAY	292018	2.38	< 0.005	-	-
ASSAY	292019	2.39	< 0.005	-	-
ASSAY	292020	1.17	< 0.005	-	-
ASSAY	292021	1.29	< 0.005	-	-
ASSAY	292022	1.15	< 0.005	-	-
ASSAY	292023	1.23	< 0.005	-	-
ASSAY	292024	1.37	< 0.005	-	-
ASSAY	292025	1.21	< 0.005	-	-
ASSAY	292026	1.19	0.009	-	-
ASSAY	292027	1.29	0.012	-	-
ASSAY	292028	1.25	< 0.005	-	-
ASSAY	292029	1.18	< 0.005	-	-
PULPDUP	291969	-	< 0.005	-	-
PULPDUP	291979	-	< 0.005	-	-
PULPDUP	291989	-	< 0.005	-	-
PULPDUP	292004	-	< 0.005	-	-
PREPDUP	292009	-	0.066	-	-
PULPDUP	292013	-	< 0.005	-	-
PULPDUP	292023	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-00623
 Report Date: 26-Jan-21
 Date Submitted: 14-Jan-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-01-25 08:35:19
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-01-26 10:17:03

REPORT **A21-00623**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	292030	0.0720	1.48	-	-
ASSAY	292031	1.26	< 0.005	-	-
ASSAY	292032	1.25	< 0.005	-	-
ASSAY	292033	1.21	< 0.005	-	-
ASSAY	292034	1.22	< 0.005	-	-
ASSAY	292035	2.46	< 0.005	-	-
ASSAY	292036	2.44	< 0.005	-	-
ASSAY	292037	2.34	< 0.005	-	-
ASSAY	292038	1.84	< 0.005	-	-
ASSAY	292039	2.37	< 0.005	-	-
ASSAY	292040	2.42	0.013	-	-
ASSAY	292041	2.48	< 0.005	-	-
ASSAY	292042	1.08	0.017	-	-
ASSAY	292043	1.17	< 0.005	-	-
ASSAY	292044	1.44	< 0.005	-	-
ASSAY	292045	1.06	< 0.005	-	-
ASSAY	292046	1.11	< 0.005	-	-
ASSAY	292047	1.57	0.096	-	-
ASSAY	292048	1.22	< 0.005	-	-
ASSAY	292049	1.47	< 0.005	-	-
ASSAY	292050	0.613	< 0.005	-	-
ASSAY	292051	2.43	1.61	-	-
ASSAY	292052	2.47	0.076	-	-
ASSAY	292053	2.38	0.005	-	-
ASSAY	292054	2.37	0.006	-	-
ASSAY	292055	2.21	0.008	-	-
ASSAY	292056	2.37	0.005	-	-
ASSAY	292057	2.20	3.09	-	-
ASSAY	292058	2.27	< 0.005	-	-
ASSAY	292059	2.74	0.017	-	-
ASSAY	292060	2.26	< 0.005	-	-
ASSAY	292061	2.44	< 0.005	-	-
ASSAY	292062	2.40	< 0.005	-	-
ASSAY	292063	2.34	0.016	-	-
ASSAY	292064	2.50	0.011	-	-
ASSAY	292065	2.14	0.008	-	-
ASSAY	292066	2.23	0.027	-	-
ASSAY	292067	1.09	0.007	-	-
ASSAY	292068	1.13	0.736	-	-
ASSAY	292069	1.44	0.021	-	-
ASSAY	292070	0.0720	6.44	-	-
ASSAY	292071	2.67	< 0.005	-	-
ASSAY	292072	1.19	0.246	-	-
ASSAY	292073	1.23	< 0.005	-	-
ASSAY	292074	2.30	0.006	-	-
ASSAY	292075	0.973	0.012	-	-
ASSAY	292076	1.31	0.041	-	-
ASSAY	292077	1.09	0.130	-	-
ASSAY	292078	1.41	1.52	-	-
ASSAY	292079	2.59	0.123	-	-
ASSAY	292080	2.30	0.017	-	-
ASSAY	292081	2.34	0.045	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	292082	1.14	0.452	-	-
ASSAY	292083	1.25	7.46	-	-
ASSAY	292084	2.28	0.076	-	-
ASSAY	292085	2.48	0.025	-	-
ASSAY	292086	2.01	0.135	-	-
ASSAY	292087	1.25	0.043	-	-
ASSAY	292088	1.87	0.821	-	-
ASSAY	292089	1.86	0.007	-	-
ASSAY	292090	0.660	< 0.005	-	-
ASSAY	292091	2.31	< 0.005	-	-
ASSAY	292092	3.04	< 0.005	-	-
ASSAY	292093	1.20	< 0.005	-	-
ASSAY	292094	1.15	0.307	-	-
ASSAY	292095	1.19	> 10.0	60.5	-
ASSAY	292096	1.25	0.068	-	-
ASSAY	292097	1.30	0.021	-	-
ASSAY	292098	1.15	1.38	-	-
ASSAY	292099	1.19	0.020	-	-
PULPDUP	292039	-	< 0.005	-	-
PULPDUP	292049	-	0.013	-	-
PULPDUP	292059	-	0.014	-	-
PULPDUP	292074	-	< 0.005	-	-
PREPDUP	292079	-	0.081	-	-
PULPDUP	292084	-	0.064	-	-
PULPDUP	292094	-	0.334	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-00821-Au
 Report Date: 08-Feb-21
 Date Submitted: 18-Jan-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

39 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-05 08:54:46
Weight Rpt (kg)-Timmins	Received Weights	2021-02-05 10:48:58

REPORT **A21-00821-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292170	0.516	0.006	-	-
ASSAY	292171	1.19	< 0.005	-	-
ASSAY	292172	1.97	< 0.005	-	-
ASSAY	292173	2.62	0.005	-	-
ASSAY	292174	1.43	0.051	-	-
ASSAY	292175	1.11	0.006	-	-
ASSAY	292176	2.50	0.005	-	-
ASSAY	292177	1.14	0.006	-	-
ASSAY	292178	1.20	0.024	-	-
ASSAY	292179	1.16	0.355	-	-
ASSAY	292180	1.23	0.013	-	-
ASSAY	292181	2.08	0.008	-	-
ASSAY	292182	2.29	0.114	-	-
ASSAY	292183	2.96	0.049	-	-
ASSAY	292184	2.49	0.028	-	-
ASSAY	292185	2.88	0.019	-	-
ASSAY	292186	2.61	0.005	-	-
ASSAY	292187	1.17	0.012	-	-
ASSAY	292188	1.28	0.034	-	-
ASSAY	292189	1.28	0.009	-	-
ASSAY	292190	0.105	6.51	-	-
ASSAY	292191	2.28	0.005	-	-
ASSAY	292192	2.35	0.305	-	-
ASSAY	292193	2.56	0.164	-	-
ASSAY	292194	2.58	0.347	-	-
ASSAY	292195	2.15	1.05	-	-
ASSAY	292196	1.35	0.014	-	-
ASSAY	292197	1.82	0.009	-	-
ASSAY	292198	1.46	0.142	-	-
ASSAY	292199	1.97	0.064	-	-
ASSAY	292200	1.26	0.089	-	-
ASSAY	292201	2.11	0.039	-	-
ASSAY	292202	2.49	0.080	-	-
ASSAY	292203	2.51	0.057	-	-
ASSAY	292204	1.99	0.008	-	-
ASSAY	292205	1.37	0.073	-	-
ASSAY	292206	1.82	0.335	-	-
ASSAY	292207	2.16	0.022	-	-
ASSAY	292208	1.23	0.032	-	-
PULPDUP	292189	-	0.006	-	-



Report No.: A21-00836
Report Date: 20-Jan-21
Date Submitted: 18-Jan-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-00836

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Notes:

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292100	1.25	0.105	-	-
ASSAY	292101	1.20	0.468	-	-
ASSAY	292102	1.39	0.127	-	-
ASSAY	292103	1.14	0.012	-	-
ASSAY	292104	1.26	0.006	-	-
ASSAY	292105	1.12	0.061	-	-
ASSAY	292106	1.27	0.053	-	-
ASSAY	292107	2.65	0.011	-	-
ASSAY	292108	2.66	0.015	-	-
ASSAY	292109	2.41	< 0.005	-	-
ASSAY	292110	0.0940	0.341	-	-
ASSAY	292111	2.64	0.009	-	-
ASSAY	292112	2.51	0.011	-	-
ASSAY	292113	1.74	0.009	-	-
ASSAY	292114	1.92	0.005	-	-
ASSAY	292115	1.26	0.006	-	-
ASSAY	292116	2.41	< 0.005	-	-
ASSAY	292117	2.49	0.011	-	-
ASSAY	292118	2.63	0.387	-	-
ASSAY	292119	2.56	0.043	-	-
ASSAY	292120	2.61	0.008	-	-
ASSAY	292121	2.16	0.016	-	-
ASSAY	292122	2.37	0.508	-	-
ASSAY	292123	2.86	0.032	-	-
ASSAY	292124	2.11	0.022	-	-
ASSAY	292125	2.55	0.041	-	-
ASSAY	292126	2.65	0.018	-	-
ASSAY	292127	2.38	0.009	-	-
ASSAY	292128	2.31	0.036	-	-
ASSAY	292129	1.98	0.007	-	-
ASSAY	292130	0.692	< 0.005	-	-
ASSAY	292131	2.17	< 0.005	-	-
ASSAY	292132	1.89	0.006	-	-
ASSAY	292133	1.87	< 0.005	-	-
ASSAY	292134	2.10	0.068	-	-
ASSAY	292135	2.03	0.024	-	-
ASSAY	292136	2.18	0.125	-	-
ASSAY	292137	2.31	0.063	-	-
ASSAY	292138	1.04	0.020	-	-
ASSAY	292139	1.35	1.17	-	-
ASSAY	292140	2.27	0.074	-	-
ASSAY	292141	2.33	0.009	-	-
ASSAY	292142	2.22	0.014	-	-
ASSAY	292143	2.13	0.156	-	-
ASSAY	292144	2.32	0.006	-	-
ASSAY	292145	2.39	0.041	-	-
ASSAY	292146	2.44	< 0.005	-	-
ASSAY	292147	2.35	0.006	-	-
ASSAY	292148	2.35	0.271	-	-
ASSAY	292149	2.21	< 0.005	-	-
ASSAY	292150	0.0950	1.57	-	-
ASSAY	292151	2.43	0.033	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292152	1.07	0.511	-	-
ASSAY	292153	1.75	0.018	-	-
ASSAY	292154	1.41	0.036	-	-
ASSAY	292155	1.02	0.005	-	-
ASSAY	292156	1.20	0.062	-	-
ASSAY	292157	1.18	0.040	-	-
ASSAY	292158	2.51	0.012	-	-
ASSAY	292159	2.26	0.049	-	-
ASSAY	292160	2.44	0.023	-	-
ASSAY	292161	1.55	0.012	-	-
ASSAY	292162	1.06	0.123	-	-
ASSAY	292163	1.24	0.028	-	-
ASSAY	292164	1.23	0.020	-	-
ASSAY	292165	1.17	0.022	-	-
ASSAY	292166	1.12	0.183	-	-
ASSAY	292167	1.06	0.037	-	-
ASSAY	292168	1.73	0.006	-	-
ASSAY	292169	1.23	< 0.005	-	-
PULPDUP	292109	-	0.006	-	-
PULPDUP	292119	-	0.034	-	-
PULPDUP	292129	-	0.008	-	-
PULPDUP	292144	-	0.009	-	-
PREPDUP	292149	-	< 0.005	-	-
PULPDUP	292153	-	0.020	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-01312
 Report Date: 01-Mar-21
 Date Submitted: 25-Jan-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-26 10:11:35
Weight Rpt (kg)-Timmins	Received Weights	2021-02-26 18:59:39

REPORT **A21-01312**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292209	1.70	< 0.005	-	-
ASSAY	292210	0.514	< 0.005	-	-
ASSAY	292211	1.25	0.028	-	-
ASSAY	292212	1.19	0.374	-	-
ASSAY	292213	2.59	0.068	-	-
ASSAY	292214	1.27	< 0.005	-	-
ASSAY	292215	1.14	< 0.005	-	-
ASSAY	292216	1.27	< 0.005	-	-
ASSAY	292217	2.24	< 0.005	-	-
ASSAY	292218	2.36	< 0.005	-	-
ASSAY	292219	1.21	0.036	-	-
ASSAY	292220	1.44	< 0.005	-	-
ASSAY	292221	2.45	< 0.005	-	-
ASSAY	292222	2.49	< 0.005	-	-
ASSAY	292223	1.61	< 0.005	-	-
ASSAY	292224	2.42	0.007	-	-
ASSAY	292225	1.22	0.355	-	-
ASSAY	292226	1.51	0.009	-	-
ASSAY	292227	2.00	< 0.005	-	-
ASSAY	292228	2.47	< 0.005	-	-
ASSAY	292229	2.54	< 0.005	-	-
ASSAY	292230	0.0940	1.67	-	-
ASSAY	292231	2.36	< 0.005	-	-
ASSAY	292232	1.35	< 0.005	-	-
ASSAY	292233	1.20	< 0.005	-	-
ASSAY	292234	1.79	< 0.005	-	-
ASSAY	292235	1.29	0.029	-	-
ASSAY	292236	1.27	< 0.005	-	-
ASSAY	292237	1.29	0.020	-	-
ASSAY	292238	1.28	< 0.005	-	-
ASSAY	292239	1.99	0.005	-	-
ASSAY	292240	1.38	< 0.005	-	-
ASSAY	292241	1.39	0.049	-	-
ASSAY	292242	1.72	0.106	-	-
ASSAY	292243	1.92	< 0.005	-	-
ASSAY	292244	1.18	< 0.005	-	-
ASSAY	292245	1.31	< 0.005	-	-
ASSAY	292246	1.63	< 0.005	-	-
ASSAY	292247	2.16	0.028	-	-
ASSAY	292248	2.47	0.025	-	-
ASSAY	292249	1.66	0.017	-	-
ASSAY	292250	0.575	< 0.005	-	-
ASSAY	292251	1.78	< 0.005	-	-
ASSAY	292252	1.67	0.081	-	-
ASSAY	292253	2.35	< 0.005	-	-
ASSAY	292254	1.24	0.008	-	-
ASSAY	292255	1.19	< 0.005	-	-
ASSAY	292256	2.68	0.010	-	-
ASSAY	292257	1.15	< 0.005	-	-
ASSAY	292258	1.41	< 0.005	-	-
ASSAY	292259	1.17	0.005	-	-
ASSAY	292260	1.26	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292261	2.65	< 0.005	-	-
ASSAY	292262	2.49	< 0.005	-	-
ASSAY	292263	1.61	< 0.005	-	-
ASSAY	292264	2.58	0.015	-	-
ASSAY	292265	1.21	0.012	-	-
ASSAY	292266	1.18	0.027	-	-
ASSAY	292267	2.36	0.007	-	-
ASSAY	292268	1.24	0.005	-	-
ASSAY	292269	1.36	< 0.005	-	-
ASSAY	292270	0.0900	0.356	-	-
ASSAY	292271	1.14	< 0.005	-	-
ASSAY	292272	2.21	0.022	-	-
ASSAY	292273	2.40	< 0.005	-	-
ASSAY	292274	1.59	< 0.005	-	-
ASSAY	292275	1.11	< 0.005	-	-
ASSAY	292276	2.51	0.008	-	-
ASSAY	292277	2.68	< 0.005	-	-
ASSAY	292278	2.62	< 0.005	-	-
PULPDUP	292218	-	< 0.005	-	-
PULPDUP	292228	-	< 0.005	-	-
PULPDUP	292238	-	< 0.005	-	-
PULPDUP	292253	-	< 0.005	-	-
PREPDUP	292258	-	< 0.005	-	-
PULPDUP	292263	-	< 0.005	-	-
PULPDUP	292273	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-01315
 Report Date: 25-Feb-21
 Date Submitted: 25-Jan-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-25 09:51:33
Weight Rpt (kg)-Timmins	Received Weights	2021-02-25 12:13:15

REPORT **A21-01315**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292279	1.32	0.016	-	-
ASSAY	292280	1.21	0.036	-	-
ASSAY	292281	1.22	0.033	-	-
ASSAY	292282	1.59	0.025	-	-
ASSAY	292283	2.43	0.102	-	-
ASSAY	292284	1.80	0.030	-	-
ASSAY	292285	1.42	2.08	-	-
ASSAY	292286	2.55	< 0.005	-	-
ASSAY	292287	1.32	0.046	-	-
ASSAY	292288	1.17	0.007	-	-
ASSAY	292289	1.38	< 0.005	-	-
ASSAY	292290	0.616	< 0.005	-	-
ASSAY	292291	2.44	< 0.005	-	-
ASSAY	292292	2.35	< 0.005	-	-
ASSAY	292293	2.48	0.011	-	-
ASSAY	292294	2.43	0.009	-	-
ASSAY	292295	2.59	0.005	-	-
ASSAY	292296	2.39	< 0.005	-	-
ASSAY	292297	2.87	< 0.005	-	-
ASSAY	292298	2.42	< 0.005	-	-
ASSAY	292299	2.32	< 0.005	-	-
ASSAY	292300	2.55	< 0.005	-	-
ASSAY	292301	2.48	< 0.005	-	-
ASSAY	292302	1.97	0.044	-	-
ASSAY	292303	1.07	< 0.005	-	-
ASSAY	292304	1.14	< 0.005	-	-
ASSAY	292305	1.49	< 0.005	-	-
ASSAY	292306	1.24	< 0.005	-	-
ASSAY	292307	1.66	< 0.005	-	-
ASSAY	292308	1.76	< 0.005	-	-
ASSAY	292309	1.54	0.189	-	-
ASSAY	292310	0.0970	6.86	-	-
ASSAY	292311	2.59	0.006	-	-
ASSAY	292312	2.49	< 0.005	-	-
ASSAY	292313	2.47	< 0.005	-	-
ASSAY	292314	2.32	0.007	-	-
ASSAY	292315	2.95	0.006	-	-
ASSAY	292316	1.22	0.006	-	-
ASSAY	292317	1.38	0.009	-	-
ASSAY	292318	1.39	0.009	-	-
ASSAY	292319	1.19	0.012	-	-
ASSAY	292320	1.16	< 0.005	-	-
ASSAY	292321	1.38	0.026	-	-
ASSAY	292322	1.26	0.006	-	-
ASSAY	292323	1.67	< 0.005	-	-
ASSAY	292324	1.39	0.022	-	-
ASSAY	292325	1.92	0.008	-	-
ASSAY	292326	1.20	< 0.005	-	-
ASSAY	292327	2.41	< 0.005	-	-
ASSAY	292328	2.39	0.005	-	-
ASSAY	292329	2.41	0.005	-	-
ASSAY	292330	0.650	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292331	2.29	0.005	-	-
ASSAY	292332	1.32	< 0.005	-	-
ASSAY	292333	1.14	0.016	-	-
ASSAY	292334	1.23	0.008	-	-
ASSAY	292335	1.77	0.098	-	-
ASSAY	292336	1.93	0.005	-	-
ASSAY	292337	1.18	0.010	-	-
ASSAY	292338	1.21	0.017	-	-
ASSAY	292339	1.13	0.009	-	-
ASSAY	292340	1.42	0.009	-	-
ASSAY	292341	1.21	0.005	-	-
ASSAY	292342	1.14	< 0.005	-	-
ASSAY	292343	1.19	0.008	-	-
ASSAY	292344	1.48	< 0.005	-	-
ASSAY	292345	2.22	0.007	-	-
ASSAY	292346	2.32	< 0.005	-	-
ASSAY	292347	2.27	< 0.005	-	-
ASSAY	292348	2.48	< 0.005	-	-
PULPDUP	292288	-	< 0.005	-	-
PULPDUP	292298	-	< 0.005	-	-
PULPDUP	292308	-	< 0.005	-	-
PULPDUP	292323	-	< 0.005	-	-
PREPDUP	292328	-	< 0.005	-	-
PULPDUP	292333	-	0.015	-	-
PULPDUP	292343	-	0.006	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-01441-Au
 Report Date: 01-Mar-21
 Date Submitted: 26-Jan-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-26 10:11:35
Weight Rpt (kg)-Timmins	Received Weights	2021-02-26 19:01:32

REPORT A21-01441-Au

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292349	2.35	0.010	-	-
ASSAY	292350	0.102	1.58	-	-
ASSAY	292351	1.76	0.084	-	-
ASSAY	292352	1.12	0.006	-	-
ASSAY	292353	1.88	< 0.005	-	-
ASSAY	292354	2.47	< 0.005	-	-
ASSAY	292355	2.49	< 0.005	-	-
ASSAY	292356	2.61	< 0.005	-	-
ASSAY	292357	2.53	< 0.005	-	-
ASSAY	292358	2.39	< 0.005	-	-
ASSAY	292359	2.11	< 0.005	-	-
ASSAY	292360	2.69	< 0.005	-	-
ASSAY	292361	2.58	< 0.005	-	-
ASSAY	292362	2.71	< 0.005	-	-
ASSAY	292363	2.65	< 0.005	-	-
ASSAY	292364	1.30	0.005	-	-
ASSAY	292365	1.46	0.045	-	-
ASSAY	292366	1.11	0.071	-	-
ASSAY	292367	1.32	0.007	-	-
ASSAY	292368	2.53	< 0.005	-	-
ASSAY	292369	2.43	< 0.005	-	-
ASSAY	292370	0.578	< 0.005	-	-
ASSAY	292371	2.61	0.008	-	-
ASSAY	292372	1.31	< 0.005	-	-
ASSAY	292373	1.20	0.016	-	-
ASSAY	292374	2.59	0.005	-	-
ASSAY	292375	1.75	< 0.005	-	-
ASSAY	292376	1.27	0.032	-	-
ASSAY	292377	2.12	0.008	-	-
ASSAY	292378	1.81	0.005	-	-
ASSAY	292379	1.28	0.022	-	-
ASSAY	292380	2.15	< 0.005	-	-
ASSAY	292381	2.57	0.025	-	-
ASSAY	292382	2.30	0.067	-	-
ASSAY	292383	2.52	< 0.005	-	-
ASSAY	292384	2.37	< 0.005	-	-
ASSAY	292385	2.59	< 0.005	-	-
ASSAY	292386	2.81	< 0.005	-	-
ASSAY	292387	2.48	< 0.005	-	-
ASSAY	292388	2.42	< 0.005	-	-
ASSAY	292389	2.66	0.005	-	-
ASSAY	292390	0.100	0.323	-	-
ASSAY	292391	1.15	< 0.005	-	-
ASSAY	292392	1.33	0.005	-	-
ASSAY	292393	1.36	< 0.005	-	-
ASSAY	292394	1.33	< 0.005	-	-
ASSAY	292395	1.30	0.005	-	-
ASSAY	292396	1.59	< 0.005	-	-
ASSAY	292397	2.15	0.005	-	-
ASSAY	292398	1.78	0.020	-	-
ASSAY	292399	1.50	0.028	-	-
ASSAY	292400	2.96	0.010	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292401	2.36	0.055	-	-
ASSAY	292402	2.97	0.162	-	-
ASSAY	292403	1.49	0.092	-	-
ASSAY	292404	2.10	0.078	-	-
ASSAY	292405	1.78	0.037	-	-
ASSAY	292406	1.75	0.213	-	-
ASSAY	292407	1.93	0.345	-	-
ASSAY	292408	1.48	0.043	-	-
ASSAY	292409	1.28	0.130	-	-
ASSAY	292410	0.452	< 0.005	-	-
ASSAY	292411	1.77	0.038	-	-
ASSAY	292412	2.82	0.024	-	-
ASSAY	292413	2.76	0.028	-	-
ASSAY	292414	2.85	0.043	-	-
ASSAY	292415	2.59	0.015	-	-
ASSAY	292416	2.80	0.012	-	-
ASSAY	292417	2.59	0.010	-	-
ASSAY	292418	1.21	0.087	-	-
PULPDUP	292358	-	< 0.005	-	-
PULPDUP	292368	-	< 0.005	-	-
PULPDUP	292378	-	< 0.005	-	-
PULPDUP	292393	-	< 0.005	-	-
PREPDUP	292398	-	0.020	-	-
PREPDUP	292398	-	0.020	-	-
PULPDUP	292403	-	0.090	-	-
PULPDUP	292413	-	0.031	-	-



Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

Report No.: A21-01542-Au
Report Date: 04-Feb-21
Date Submitted: 28-Jan-21
Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
Weight Rpt (kg)-Timmins	Received Weights	2021-02-04 09:51:57

REPORT **A21-01542-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: A21-01542-Au
Report Date: 04-Feb-21
Date Submitted: 28-Jan-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Geraldton (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-04 09:28:21

REPORT **A21-01542-Au**

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Notes:

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

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292419	1.48	0.076	-	-
ASSAY	292420	1.39	0.050	-	-
ASSAY	292421	1.45	0.021	-	-
ASSAY	292422	2.88	0.011	-	-
ASSAY	292423	2.83	0.009	-	-
ASSAY	292424	2.67	0.015	-	-
ASSAY	292425	1.55	0.046	-	-
ASSAY	292426	1.38	0.107	-	-
ASSAY	292427	1.40	0.019	-	-
ASSAY	292428	1.29	0.014	-	-
ASSAY	292429	1.59	0.019	-	-
ASSAY	292430	0.0980	6.45	-	-
ASSAY	292431	1.65	0.050	-	-
ASSAY	292432	2.31	0.016	-	-
ASSAY	292433	1.48	0.017	-	-
ASSAY	292434	1.09	0.013	-	-
ASSAY	292435	2.52	0.014	-	-
ASSAY	292436	2.55	< 0.005	-	-
ASSAY	292437	1.25	< 0.005	-	-
ASSAY	292438	1.25	< 0.005	-	-
ASSAY	292439	1.20	0.006	-	-
ASSAY	292440	1.23	0.005	-	-
ASSAY	292441	2.47	< 0.005	-	-
ASSAY	292442	2.25	< 0.005	-	-
ASSAY	292443	2.22	0.008	-	-
ASSAY	292444	2.51	0.010	-	-
ASSAY	292445	1.19	0.006	-	-
ASSAY	292446	1.41	0.005	-	-
ASSAY	292447	2.38	0.008	-	-
ASSAY	292448	1.11	< 0.005	-	-
ASSAY	292449	1.07	< 0.005	-	-
ASSAY	292450	0.491	0.006	-	-
ASSAY	292451	2.50	0.005	-	-
ASSAY	292452	1.10	0.014	-	-
ASSAY	292453	1.12	< 0.005	-	-
ASSAY	292454	2.43	0.010	-	-
ASSAY	292455	2.43	0.005	-	-
ASSAY	292456	2.19	0.006	-	-
ASSAY	292457	1.18	0.008	-	-
ASSAY	292458	1.13	0.006	-	-
ASSAY	292459	2.37	0.014	-	-
ASSAY	292460	2.18	0.006	-	-
ASSAY	292461	2.29	0.007	-	-
ASSAY	292462	2.56	0.005	-	-
ASSAY	292463	2.51	0.006	-	-
ASSAY	292464	2.26	0.009	-	-
ASSAY	292465	2.17	0.007	-	-
ASSAY	292466	1.11	0.008	-	-
ASSAY	292467	1.40	0.008	-	-
ASSAY	292468	1.38	< 0.005	-	-
ASSAY	292469	1.07	< 0.005	-	-
ASSAY	292470	0.101	1.57	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292471	2.58	< 0.005	-	-
ASSAY	292472	1.92	0.013	-	-
ASSAY	292473	1.21	< 0.005	-	-
ASSAY	292474	1.27	< 0.005	-	-
ASSAY	292475	1.06	< 0.005	-	-
ASSAY	292476	1.50	0.007	-	-
ASSAY	292477	1.35	0.009	-	-
ASSAY	292478	1.12	< 0.005	-	-
ASSAY	292479	1.11	0.005	-	-
ASSAY	292480	1.85	0.006	-	-
ASSAY	292481	1.67	0.005	-	-
ASSAY	292482	2.38	< 0.005	-	-
ASSAY	292483	2.32	< 0.005	-	-
ASSAY	292484	2.26	< 0.005	-	-
ASSAY	292485	2.35	< 0.005	-	-
ASSAY	292486	2.38	0.007	-	-
ASSAY	292487	2.66	0.008	-	-
ASSAY	292488	2.66	< 0.005	-	-
PULPDUP	292428	-	0.015	-	-
PULPDUP	292438	-	< 0.005	-	-
PULPDUP	292448	-	0.005	-	-
PULPDUP	292463	-	0.006	-	-
PREPDUP	292468	-	< 0.005	-	-
PULPDUP	292473	-	< 0.005	-	-
PULPDUP	292483	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-01686-Au
 Report Date: 05-Feb-21
 Date Submitted: 01-Feb-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-03 11:43:02
Weight Rpt (kg)-Timmins	Received Weights	2021-02-03 13:24:11

REPORT **A21-01686-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292489	2.46	< 0.005	-	-
ASSAY	292490	0.848	< 0.005	-	-
ASSAY	292491	2.44	< 0.005	-	-
ASSAY	292492	2.51	0.077	-	-
ASSAY	292493	2.61	0.007	-	-
ASSAY	292494	2.44	0.009	-	-
ASSAY	292495	3.15	0.013	-	-
ASSAY	292496	1.91	0.021	-	-
ASSAY	292497	2.77	< 0.005	-	-
ASSAY	292498	3.12	0.039	-	-
ASSAY	292499	1.67	0.020	-	-
ASSAY	292500	1.69	< 0.005	-	-
ASSAY	292501	1.72	< 0.005	-	-
ASSAY	292502	1.57	0.019	-	-
ASSAY	292503	2.00	0.005	-	-
ASSAY	292504	3.05	0.009	-	-
ASSAY	292505	1.45	0.017	-	-
ASSAY	292506	1.30	0.081	-	-
ASSAY	292507	2.48	0.029	-	-
ASSAY	292508	2.49	0.078	-	-
ASSAY	292509	2.38	< 0.005	-	-
ASSAY	292510	0.137	0.347	-	-
ASSAY	292511	2.32	0.008	-	-
ASSAY	292512	2.43	0.008	-	-
ASSAY	292513	2.15	< 0.005	-	-
ASSAY	292514	2.51	< 0.005	-	-
ASSAY	292515	2.05	< 0.005	-	-
ASSAY	292516	1.37	0.012	-	-
ASSAY	292517	2.53	< 0.005	-	-
ASSAY	292518	2.46	0.025	-	-
ASSAY	292519	2.47	< 0.005	-	-
ASSAY	292520	3.09	0.013	-	-
ASSAY	292521	2.71	< 0.005	-	-
ASSAY	292522	1.29	< 0.005	-	-
ASSAY	292523	1.79	< 0.005	-	-
ASSAY	292524	1.57	0.097	-	-
ASSAY	292525	1.23	0.106	-	-
ASSAY	292526	1.23	0.074	-	-
ASSAY	292527	1.18	0.048	-	-
ASSAY	292528	1.22	0.106	-	-
ASSAY	292529	1.25	0.040	-	-
ASSAY	292530	0.566	0.006	-	-
ASSAY	292531	1.23	0.023	-	-
ASSAY	292532	1.26	0.027	-	-
ASSAY	292533	1.34	0.025	-	-
ASSAY	292534	1.09	0.041	-	-
ASSAY	292535	1.92	0.023	-	-
ASSAY	292536	1.51	0.012	-	-
ASSAY	292537	1.36	0.021	-	-
ASSAY	292538	1.27	0.007	-	-
ASSAY	292539	1.07	0.006	-	-
ASSAY	292540	1.08	0.013	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292541	2.08	0.006	-	-
ASSAY	292542	2.55	0.007	-	-
ASSAY	292543	2.51	0.010	-	-
ASSAY	292544	2.24	0.005	-	-
ASSAY	292545	1.14	0.006	-	-
ASSAY	292546	1.26	0.008	-	-
ASSAY	292547	2.49	0.005	-	-
ASSAY	292548	1.22	0.005	-	-
ASSAY	292549	1.11	0.008	-	-
ASSAY	292550	0.139	6.51	-	-
ASSAY	292551	1.18	0.043	-	-
ASSAY	292552	1.21	0.022	-	-
ASSAY	292553	1.15	0.041	-	-
ASSAY	292554	1.26	0.006	-	-
ASSAY	292555	1.07	0.021	-	-
ASSAY	292556	1.22	< 0.005	-	-
ASSAY	292557	2.26	0.008	-	-
ASSAY	292558	2.39	0.031	-	-
PULPDUP	292498	-	0.026	-	-
PULPDUP	292508	-	0.080	-	-
PULPDUP	292518	-	0.028	-	-
PULPDUP	292533	-	0.009	-	-
PREPDUP	292538	-	0.008	-	-
PULPDUP	292542	-	0.007	-	-
PULPDUP	292552	-	0.028	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-01997-Au
 Report Date: 19-Feb-21
 Date Submitted: 05-Feb-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

27 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-19 13:45:33
Weight Rpt (kg)-Timmins	Received Weights	2021-02-19 14:30:16

REPORT **A21-01997-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292559	2.71	< 0.005	-	-
ASSAY	292560	2.41	< 0.005	-	-
ASSAY	292561	2.54	< 0.005	-	-
ASSAY	292562	2.26	< 0.005	-	-
ASSAY	292563	1.29	< 0.005	-	-
ASSAY	292564	2.00	< 0.005	-	-
ASSAY	292565	0.990	< 0.005	-	-
ASSAY	292566	1.43	< 0.005	-	-
ASSAY	292567	2.04	< 0.005	-	-
ASSAY	292568	1.73	< 0.005	-	-
ASSAY	292569	2.29	< 0.005	-	-
ASSAY	292570	0.431	< 0.005	-	-
ASSAY	292571	2.86	< 0.005	-	-
ASSAY	292572	2.65	< 0.005	-	-
ASSAY	292573	1.36	< 0.005	-	-
ASSAY	292574	2.29	< 0.005	-	-
ASSAY	292575	2.63	< 0.005	-	-
ASSAY	292576	2.54	< 0.005	-	-
ASSAY	292577	2.72	< 0.005	-	-
ASSAY	292578	1.89	< 0.005	-	-
ASSAY	292579	2.52	< 0.005	-	-
ASSAY	292580	2.67	< 0.005	-	-
ASSAY	292581	2.43	< 0.005	-	-
ASSAY	292582	1.97	< 0.005	-	-
ASSAY	292583	2.65	< 0.005	-	-
ASSAY	292584	1.99	< 0.005	-	-
ASSAY	292585	2.38	< 0.005	-	-
PULPDUP	292568	-	< 0.005	-	-
PULPDUP	292578	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-02064
 Report Date: 17-Feb-21
 Date Submitted: 08-Feb-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-17 14:30:37
Weight Rpt (kg)-Timmins	Received Weights	2021-02-17 15:28:06

REPORT **A21-02064**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292586	1.19	0.005	-	-
ASSAY	292587	1.08	0.008	-	-
ASSAY	292588	1.16	< 0.005	-	-
ASSAY	292589	1.25	< 0.005	-	-
ASSAY	292590	0.100	1.58	-	-
ASSAY	292591	1.59	< 0.005	-	-
ASSAY	292592	1.74	< 0.005	-	-
ASSAY	292593	1.18	< 0.005	-	-
ASSAY	292594	2.26	< 0.005	-	-
ASSAY	292595	2.20	< 0.005	-	-
ASSAY	292596	2.14	< 0.005	-	-
ASSAY	292597	2.33	< 0.005	-	-
ASSAY	292598	1.76	< 0.005	-	-
ASSAY	292599	2.26	0.011	-	-
ASSAY	292600	2.33	< 0.005	-	-
ASSAY	292601	2.26	< 0.005	-	-
ASSAY	292602	1.34	< 0.005	-	-
ASSAY	292603	1.72	< 0.005	-	-
ASSAY	292604	1.44	< 0.005	-	-
ASSAY	292605	2.03	< 0.005	-	-
ASSAY	292606	2.41	< 0.005	-	-
ASSAY	292607	2.43	< 0.005	-	-
ASSAY	292608	2.10	< 0.005	-	-
ASSAY	292609	2.63	< 0.005	-	-
ASSAY	292610	0.428	< 0.005	-	-
ASSAY	292611	2.25	< 0.005	-	-
ASSAY	292612	2.21	< 0.005	-	-
ASSAY	292613	2.21	< 0.005	-	-
ASSAY	292614	2.15	< 0.005	-	-
ASSAY	292615	1.17	< 0.005	-	-
ASSAY	292616	1.32	0.007	-	-
ASSAY	292617	1.28	< 0.005	-	-
ASSAY	292618	1.17	0.008	-	-
ASSAY	292619	2.09	< 0.005	-	-
ASSAY	292620	2.13	< 0.005	-	-
ASSAY	292621	2.10	< 0.005	-	-
ASSAY	292622	2.42	< 0.005	-	-
ASSAY	292623	2.34	< 0.005	-	-
ASSAY	292624	2.30	< 0.005	-	-
ASSAY	292625	1.53	< 0.005	-	-
ASSAY	292626	2.28	< 0.005	-	-
ASSAY	292627	2.08	< 0.005	-	-
ASSAY	292628	2.28	< 0.005	-	-
ASSAY	292629	2.28	< 0.005	-	-
ASSAY	292630	0.0990	0.356	-	-
ASSAY	292631	2.54	0.027	-	-
ASSAY	292632	1.96	< 0.005	-	-
ASSAY	292633	2.00	< 0.005	-	-
ASSAY	292634	1.60	< 0.005	-	-
ASSAY	292635	2.11	0.005	-	-
ASSAY	292636	2.29	< 0.005	-	-
ASSAY	292637	2.23	0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292638	2.20	< 0.005	-	-
ASSAY	292639	2.13	< 0.005	-	-
ASSAY	292640	2.23	< 0.005	-	-
ASSAY	292641	2.19	< 0.005	-	-
ASSAY	292642	2.21	< 0.005	-	-
ASSAY	292643	2.02	< 0.005	-	-
ASSAY	292644	2.15	0.006	-	-
ASSAY	292645	1.13	0.011	-	-
ASSAY	292646	1.62	< 0.005	-	-
ASSAY	292647	1.05	< 0.005	-	-
ASSAY	292648	1.76	< 0.005	-	-
ASSAY	292649	1.41	< 0.005	-	-
ASSAY	292650	0.370	< 0.005	-	-
ASSAY	292651	2.15	< 0.005	-	-
ASSAY	292652	2.18	< 0.005	-	-
ASSAY	292653	2.31	0.006	-	-
ASSAY	292654	2.18	< 0.005	-	-
ASSAY	292655	1.52	0.025	-	-
PULPDUP	292595	-	< 0.005	-	-
PULPDUP	292605	-	< 0.005	-	-
PULPDUP	292615	-	< 0.005	-	-
PREPDUP	292635	-	< 0.005	-	-
PULPDUP	292639	-	< 0.005	-	-
PULPDUP	292649	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-02170-Au
 Report Date: 18-Feb-21
 Date Submitted: 09-Feb-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-02-16 15:41:44
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-02-18 15:59:14
Weight Rpt (kg)-Timmins	Received Weights	2021-02-16 16:59:31

REPORT **A21-02170-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	292656	1.24	0.014	-	-
ASSAY	292657	2.26	0.022	-	-
ASSAY	292658	2.36	0.067	-	-
ASSAY	292659	1.45	0.069	-	-
ASSAY	292660	1.34	0.610	-	-
ASSAY	292661	2.44	0.077	-	-
ASSAY	292662	2.38	0.024	-	-
ASSAY	292663	2.29	< 0.005	-	-
ASSAY	292664	2.22	0.018	-	-
ASSAY	292665	2.33	0.011	-	-
ASSAY	292666	2.31	< 0.005	-	-
ASSAY	292667	2.27	< 0.005	-	-
ASSAY	292668	2.21	0.335	-	-
ASSAY	292669	2.36	0.117	-	-
ASSAY	292670	0.0980	3.60	-	-
ASSAY	292671	2.29	0.025	-	-
ASSAY	292672	2.51	0.109	-	-
ASSAY	292673	2.39	> 10.0	9.37	-
ASSAY	292674	2.29	2.98	-	-
ASSAY	292675	1.13	0.040	-	-
ASSAY	292676	1.98	0.176	-	-
ASSAY	292677	2.34	< 0.005	-	-
ASSAY	292678	2.84	< 0.005	-	-
ASSAY	292679	2.41	< 0.005	-	-
ASSAY	292680	2.27	< 0.005	-	-
ASSAY	292681	1.40	0.412	-	-
ASSAY	292682	1.07	< 0.005	-	-
ASSAY	292683	1.09	< 0.005	-	-
ASSAY	292684	1.30	0.089	-	-
ASSAY	292685	1.07	> 10.0	31.0	-
ASSAY	292686	1.13	0.147	-	-
ASSAY	292687	2.60	0.010	-	-
ASSAY	292688	2.52	0.117	-	-
ASSAY	292689	1.25	0.011	-	-
ASSAY	292690	0.444	0.015	-	-
ASSAY	292691	1.11	0.074	-	-
ASSAY	292692	1.19	0.081	-	-
ASSAY	292693	1.23	< 0.005	-	-
ASSAY	292694	2.42	< 0.005	-	-
ASSAY	292695	2.51	0.006	-	-
ASSAY	292696	2.31	0.007	-	-
ASSAY	292697	2.38	< 0.005	-	-
ASSAY	292698	2.34	< 0.005	-	-
ASSAY	292699	2.24	< 0.005	-	-
ASSAY	292700	1.19	0.716	-	-
ASSAY	292701	1.25	< 0.005	-	-
ASSAY	292702	2.28	< 0.005	-	-
ASSAY	292703	2.07	< 0.005	-	-
ASSAY	292704	1.23	0.413	-	-
ASSAY	292705	0.975	0.028	-	-
ASSAY	292706	2.38	0.021	-	-
ASSAY	292707	1.20	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	292708	1.23	< 0.005	-	-
ASSAY	292709	1.11	0.008	-	-
ASSAY	292710	0.0990	1.53	-	-
ASSAY	292711	1.50	< 0.005	-	-
ASSAY	292712	2.24	0.191	-	-
ASSAY	292713	1.06	0.168	-	-
ASSAY	292714	1.26	0.107	-	-
ASSAY	292715	1.95	< 0.005	-	-
ASSAY	292716	1.94	< 0.005	-	-
ASSAY	292717	2.42	< 0.005	-	-
ASSAY	292718	2.17	< 0.005	-	-
ASSAY	292719	2.64	0.009	-	-
ASSAY	292720	2.38	0.056	-	-
ASSAY	292721	2.35	< 0.005	-	-
ASSAY	292722	2.11	< 0.005	-	-
ASSAY	292723	2.16	< 0.005	-	-
ASSAY	292724	2.03	< 0.005	-	-
ASSAY	292725	2.15	< 0.005	-	-
PULPDUP	292665	-	< 0.005	-	-
PULPDUP	292675	-	0.042	-	-
PULPDUP	292685	-	> 10.0	-	-
PULPDUP	292700	-	0.689	-	-
PREPDUP	292705	-	0.035	-	-
PULPDUP	292709	-	0.006	-	-
PULPDUP	292719	-	0.008	-	-



Report No.: A21-02473-Au
 Report Date: 05-Mar-21
 Date Submitted: 16-Feb-21
 Your Reference: Carscallen

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

74 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-03-01 09:43:14
Weight Rpt (kg)-Timmins	Received Weights	2021-03-01 17:23:01

REPORT **A21-02473-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292726	2.13	< 0.005	-	-
ASSAY	292727	1.64	0.090	-	-
ASSAY	292728	1.26	0.005	-	-
ASSAY	292729	1.82	0.013	-	-
ASSAY	292730	0.465	< 0.005	-	-
ASSAY	292731	1.02	< 0.005	-	-
ASSAY	292732	2.77	< 0.005	-	-
ASSAY	292733	2.64	0.020	-	-
ASSAY	292734	2.20	0.015	-	-
ASSAY	292735	1.17	< 0.005	-	-
ASSAY	292736	1.20	< 0.005	-	-
ASSAY	292737	1.11	0.598	-	-
ASSAY	292738	1.34	0.022	-	-
ASSAY	292739	2.17	< 0.005	-	-
ASSAY	292740	1.73	0.077	-	-
ASSAY	292741	1.38	0.011	-	-
ASSAY	292742	2.71	< 0.005	-	-
ASSAY	292743	1.30	< 0.005	-	-
ASSAY	292744	1.32	0.007	-	-
ASSAY	292745	1.29	0.022	-	-
ASSAY	292746	1.03	0.022	-	-
ASSAY	292747	1.17	0.008	-	-
ASSAY	292748	1.29	0.005	-	-
ASSAY	292749	1.21	0.009	-	-
ASSAY	292750	0.0930	0.346	-	-
ASSAY	292751	1.19	< 0.005	-	-
ASSAY	292752	1.07	0.046	-	-
ASSAY	292753	1.22	< 0.005	-	-
ASSAY	292754	2.58	< 0.005	-	-
ASSAY	292755	1.65	< 0.005	-	-
ASSAY	292756	2.14	0.005	-	-
ASSAY	292757	1.20	< 0.005	-	-
ASSAY	292758	1.19	0.018	-	-
ASSAY	292759	1.14	< 0.005	-	-
ASSAY	292760	2.36	0.015	-	-
ASSAY	292761	1.14	< 0.005	-	-
ASSAY	292762	1.34	0.006	-	-
ASSAY	292763	1.56	0.076	-	-
ASSAY	292764	1.24	0.014	-	-
ASSAY	292765	0.880	< 0.005	-	-
ASSAY	292766	1.63	0.007	-	-
ASSAY	292767	1.22	0.037	-	-
ASSAY	292768	1.10	0.006	-	-
ASSAY	292769	1.37	< 0.005	-	-
ASSAY	292770	0.415	< 0.005	-	-
ASSAY	292771	1.07	< 0.005	-	-
ASSAY	292772	2.56	0.005	-	-
ASSAY	292773	2.42	< 0.005	-	-
ASSAY	292774	2.39	0.056	-	-
ASSAY	292775	2.19	0.018	-	-
ASSAY	292776	2.69	0.026	-	-
ASSAY	292777	2.54	0.010	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292778	1.28	0.006	-	-
ASSAY	292779	1.20	0.005	-	-
ASSAY	292780	1.34	0.008	-	-
ASSAY	292781	1.43	0.871	-	-
ASSAY	292782	1.25	0.014	-	-
ASSAY	292783	1.14	0.082	-	-
ASSAY	292784	2.50	0.006	-	-
ASSAY	292785	2.38	< 0.005	-	-
ASSAY	292786	2.10	0.006	-	-
ASSAY	292787	2.13	< 0.005	-	-
ASSAY	292788	2.28	< 0.005	-	-
ASSAY	292789	2.35	< 0.005	-	-
ASSAY	292790	0.0940	6.70	-	-
ASSAY	292791	2.40	< 0.005	-	-
ASSAY	292792	2.51	< 0.005	-	-
ASSAY	292793	2.49	< 0.005	-	-
ASSAY	292794	1.18	< 0.005	-	-
ASSAY	292795	2.23	< 0.005	-	-
ASSAY	292796	2.19	< 0.005	-	-
ASSAY	292797	1.23	< 0.005	-	-
ASSAY	292798	1.40	< 0.005	-	-
ASSAY	292799	1.63	< 0.005	-	-
PULPDUP	292735	-	< 0.005	-	-
PULPDUP	292744	-	0.009	-	-
PULPDUP	292754	-	< 0.005	-	-
PREPDUP	292775	-	0.018	-	-
PULPDUP	292776	-	0.024	-	-
PULPDUP	292786	-	< 0.005	-	-



Report No.: A21-02730
 Report Date: 10-Mar-21
 Date Submitted: 19-Feb-21
 Your Reference: Carscallen

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-03-09 09:59:01

REPORT **A21-02730**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292800	2.27	< 0.005	-	-
ASSAY	292801	1.94	< 0.005	-	-
ASSAY	292802	2.99	< 0.005	-	-
ASSAY	292803	1.22	< 0.005	-	-
ASSAY	292804	1.89	< 0.005	-	-
ASSAY	292805	1.35	< 0.005	-	-
ASSAY	292806	2.18	< 0.005	-	-
ASSAY	292807	2.54	< 0.005	-	-
ASSAY	292808	2.15	< 0.005	-	-
ASSAY	292809	2.44	< 0.005	-	-
ASSAY	292810	0.535	< 0.005	-	-
ASSAY	292811	2.21	< 0.005	-	-
ASSAY	292812	2.39	< 0.005	-	-
ASSAY	292813	2.18	< 0.005	-	-
ASSAY	292814	1.16	0.005	-	-
ASSAY	292815	2.30	< 0.005	-	-
ASSAY	292816	2.78	< 0.005	-	-
ASSAY	292817	1.65	0.005	-	-
ASSAY	292818	2.51	< 0.005	-	-
ASSAY	292819	2.19	< 0.005	-	-
ASSAY	292820	1.02	< 0.005	-	-
ASSAY	292821	2.20	< 0.005	-	-
ASSAY	292822	2.64	< 0.005	-	-
ASSAY	292823	1.25	< 0.005	-	-
ASSAY	292824	1.08	0.013	-	-
ASSAY	292825	1.16	< 0.005	-	-
ASSAY	292826	2.21	< 0.005	-	-
ASSAY	292827	2.32	< 0.005	-	-
ASSAY	292828	2.43	< 0.005	-	-
ASSAY	292829	2.12	< 0.005	-	-
ASSAY	292830	0.0660	1.55	-	-
ASSAY	292831	2.38	< 0.005	-	-
ASSAY	292832	1.77	< 0.005	-	-
ASSAY	292833	2.13	< 0.005	-	-
ASSAY	292834	1.19	< 0.005	-	-
ASSAY	292835	1.40	0.015	-	-
ASSAY	292836	1.37	0.102	-	-
ASSAY	292837	0.955	< 0.005	-	-
ASSAY	292838	2.12	< 0.005	-	-
ASSAY	292839	1.46	< 0.005	-	-
ASSAY	292840	2.23	0.008	-	-
ASSAY	292841	2.26	0.008	-	-
ASSAY	292842	2.44	< 0.005	-	-
ASSAY	292843	2.88	< 0.005	-	-
ASSAY	292844	2.21	< 0.005	-	-
ASSAY	292845	2.11	< 0.005	-	-
ASSAY	292846	2.38	< 0.005	-	-
ASSAY	292847	2.16	< 0.005	-	-
ASSAY	292848	2.36	< 0.005	-	-
ASSAY	292849	1.11	< 0.005	-	-
ASSAY	292850	2.63	< 0.005	-	-
ASSAY	292851	2.90	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292852	1.82	< 0.005	-	-
ASSAY	292853	2.38	< 0.005	-	-
ASSAY	292854	1.88	< 0.005	-	-
ASSAY	292855	2.39	< 0.005	-	-
ASSAY	292856	2.30	< 0.005	-	-
ASSAY	292857	1.35	< 0.005	-	-
ASSAY	292858	0.899	0.099	-	-
ASSAY	292859	1.84	< 0.005	-	-
ASSAY	292860	0.516	< 0.005	-	-
ASSAY	292861	1.14	< 0.005	-	-
ASSAY	292862	2.00	< 0.005	-	-
ASSAY	292863	1.48	< 0.005	-	-
ASSAY	292864	1.27	0.009	-	-
ASSAY	292865	2.28	< 0.005	-	-
ASSAY	292866	1.20	< 0.005	-	-
ASSAY	292867	2.06	0.037	-	-
ASSAY	292868	1.84	< 0.005	-	-
ASSAY	292869	0.858	0.020	-	-
PULPDUP	292809	-	< 0.005	-	-
PULPDUP	292819	-	< 0.005	-	-
PULPDUP	292829	-	< 0.005	-	-
PULPDUP	292844	-	< 0.005	-	-
PREPDUP	292849	-	< 0.005	-	-
PULPDUP	292853	-	< 0.005	-	-
PULPDUP	292863	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-02997-Au
 Report Date: 10-Mar-21
 Date Submitted: 23-Feb-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-03-09 20:34:12
Weight Rpt (kg)-Timmins	Received Weights	2021-03-10 10:33:57

REPORT **A21-02997-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

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

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292870	0.0681	0.334	-	-
ASSAY	292871	1.63	0.005	-	-
ASSAY	292872	1.61	< 0.005	-	-
ASSAY	292873	1.04	< 0.005	-	-
ASSAY	292874	1.91	< 0.005	-	-
ASSAY	292875	1.96	0.588	-	-
ASSAY	292876	1.37	5.06	-	-
ASSAY	292877	1.47	1.40	-	-
ASSAY	292878	1.23	0.076	-	-
ASSAY	292879	2.20	0.040	-	-
ASSAY	292880	2.32	0.030	-	-
ASSAY	292881	2.10	0.017	-	-
ASSAY	292882	2.28	0.022	-	-
ASSAY	292883	2.26	< 0.005	-	-
ASSAY	292884	2.29	0.011	-	-
ASSAY	292885	2.16	< 0.005	-	-
ASSAY	292886	2.31	0.481	-	-
ASSAY	292887	2.26	0.871	-	-
ASSAY	292888	2.30	0.060	-	-
ASSAY	292889	1.48	0.008	-	-
ASSAY	292890	0.425	< 0.005	-	-
ASSAY	292891	2.04	0.425	-	-
ASSAY	292892	1.23	0.018	-	-
ASSAY	292893	2.33	0.009	-	-
ASSAY	292894	1.09	0.022	-	-
ASSAY	292895	1.53	0.020	-	-
ASSAY	292896	1.68	0.008	-	-
ASSAY	292897	2.29	0.025	-	-
ASSAY	292898	2.54	0.015	-	-
ASSAY	292899	1.97	< 0.005	-	-
ASSAY	292900	2.03	< 0.005	-	-
ASSAY	292901	2.29	< 0.005	-	-
ASSAY	292902	2.09	0.031	-	-
ASSAY	292903	2.06	< 0.005	-	-
ASSAY	292904	2.15	4.89	-	-
ASSAY	292905	2.13	0.008	-	-
ASSAY	292906	2.32	< 0.005	-	-
ASSAY	292907	1.18	0.236	-	-
ASSAY	292908	1.91	0.012	-	-
ASSAY	292909	1.43	0.005	-	-
ASSAY	292910	0.0669	6.57	-	-
ASSAY	292911	2.65	< 0.005	-	-
ASSAY	292912	1.07	< 0.005	-	-
ASSAY	292913	1.04	< 0.005	-	-
ASSAY	292914	2.23	< 0.005	-	-
ASSAY	292915	3.07	< 0.005	-	-
ASSAY	292916	1.24	< 0.005	-	-
ASSAY	292917	1.83	< 0.005	-	-
ASSAY	292918	1.26	0.021	-	-
ASSAY	292919	2.74	0.010	-	-
ASSAY	292920	1.02	< 0.005	-	-
ASSAY	292921	1.25	0.339	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292922	1.95	< 0.005	-	-
ASSAY	292923	1.79	< 0.005	-	-
ASSAY	292924	1.36	0.005	-	-
ASSAY	292925	1.65	0.180	-	-
ASSAY	292926	2.23	< 0.005	-	-
ASSAY	292927	2.15	< 0.005	-	-
ASSAY	292928	2.78	< 0.005	-	-
ASSAY	292929	2.52	< 0.005	-	-
ASSAY	292930	0.492	< 0.005	-	-
ASSAY	292931	2.26	< 0.005	-	-
ASSAY	292932	1.39	0.233	-	-
ASSAY	292933	1.31	0.005	-	-
ASSAY	292934	1.11	< 0.005	-	-
ASSAY	292935	1.11	< 0.005	-	-
ASSAY	292936	1.18	< 0.005	-	-
ASSAY	292937	1.24	< 0.005	-	-
ASSAY	292938	1.29	0.011	-	-
ASSAY	292939	0.992	0.011	-	-
PULPDUP	292879	-	0.046	-	-
PULPDUP	292889	-	0.009	-	-
PULPDUP	292899	-	< 0.005	-	-
PULPDUP	292914	-	< 0.005	-	-
PREPDUP	292919	-	0.011	-	-
PULPDUP	292923	-	< 0.005	-	-
PULPDUP	292933	-	0.005	-	-



Report No.: A21-03178-Au
Report Date: 25-Mar-21
Date Submitted: 25-Feb-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

79 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-03178-Au

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Notes:

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292940	2.16	0.023	-	-
ASSAY	292941	1.27	0.084	-	-
ASSAY	292942	1.52	< 0.005	-	-
ASSAY	292943	2.20	0.218	-	-
ASSAY	292944	2.60	0.139	-	-
ASSAY	292945	1.15	< 0.005	-	-
ASSAY	292946	0.927	0.012	-	-
ASSAY	292947	0.946	< 0.005	-	-
ASSAY	292948	1.47	0.013	-	-
ASSAY	292949	1.92	0.010	-	-
ASSAY	292950	0.0711	1.54	-	-
ASSAY	292951	2.77	0.014	-	-
ASSAY	292952	2.29	< 0.005	-	-
ASSAY	292953	2.14	< 0.005	-	-
ASSAY	292954	3.03	0.006	-	-
ASSAY	292955	1.08	0.006	-	-
ASSAY	292956	1.38	0.012	-	-
ASSAY	292957	1.37	0.023	-	-
ASSAY	292958	1.03	0.032	-	-
ASSAY	292959	2.10	0.011	-	-
ASSAY	292960	0.936	0.056	-	-
ASSAY	292961	1.34	0.331	-	-
ASSAY	292962	2.13	0.135	-	-
ASSAY	292963	2.69	0.059	-	-
ASSAY	292964	2.17	0.005	-	-
ASSAY	292965	2.54	0.019	-	-
ASSAY	292966	2.16	4.51	-	-
ASSAY	292967	1.56	0.071	-	-
ASSAY	292968	2.75	0.754	-	-
ASSAY	292969	2.85	0.016	-	-
ASSAY	292970	0.413	0.013	-	-
ASSAY	292971	2.32	< 0.005	-	-
ASSAY	292972	2.50	0.017	-	-
ASSAY	292973	2.26	0.009	-	-
ASSAY	292974	2.39	< 0.005	-	-
ASSAY	292975	2.21	0.008	-	-
ASSAY	292976	1.44	0.452	-	-
ASSAY	292977	1.44	0.019	-	-
ASSAY	292978	1.26	0.110	-	-
ASSAY	292979	1.42	0.013	-	-
ASSAY	292980	2.56	0.007	-	-
ASSAY	292981	2.22	0.154	-	-
ASSAY	292982	2.66	0.064	-	-
ASSAY	292983	2.33	0.101	-	-
ASSAY	292984	3.38	0.011	-	-
ASSAY	292985	2.49	0.008	-	-
ASSAY	292986	2.54	0.009	-	-
ASSAY	292987	1.10	0.006	-	-
ASSAY	292988	1.08	0.034	-	-
ASSAY	292989	2.59	0.095	-	-
ASSAY	292990	0.191	0.345	-	-
ASSAY	292991	2.35	0.039	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	292992	2.03	0.007	-	-
ASSAY	292993	1.24	< 0.005	-	-
ASSAY	292994	1.03	0.020	-	-
ASSAY	292995	3.24	0.070	-	-
ASSAY	292996	2.80	< 0.005	-	-
ASSAY	292997	1.66	< 0.005	-	-
ASSAY	292998	2.45	0.010	-	-
ASSAY	292999	1.35	0.019	-	-
ASSAY	293000	2.13	0.040	-	-
ASSAY	293001	2.55	0.058	-	-
ASSAY	293002	1.44	0.135	-	-
ASSAY	293003	1.07	0.016	-	-
ASSAY	293004	1.14	0.157	-	-
ASSAY	293005	1.12	0.118	-	-
ASSAY	293006	1.01	< 0.005	-	-
ASSAY	293007	1.47	0.014	-	-
ASSAY	293008	0.972	0.094	-	-
ASSAY	293009	1.49	0.022	-	-
ASSAY	293010	0.838	< 0.005	-	-
ASSAY	293011	1.99	0.014	-	-
ASSAY	293012	1.19	0.051	-	-
ASSAY	293013	1.17	0.468	-	-
ASSAY	293014	1.20	0.016	-	-
ASSAY	293015	1.03	< 0.005	-	-
ASSAY	293016	1.24	< 0.005	-	-
ASSAY	293017	1.97	< 0.005	-	-
ASSAY	293018	2.26	< 0.005	-	-
PULPDUP	292949	-	0.010	-	-
PULPDUP	292959	-	0.011	-	-
PULPDUP	292969	-	0.016	-	-
PULPDUP	292984	-	0.007	-	-
PREPDUP	292989	-	0.118	-	-
PULPDUP	292994	-	0.021	-	-
PULPDUP	293004	-	0.141	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-03694
 Report Date: 26-Mar-21
 Date Submitted: 05-Mar-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-03-26 07:14:39
1E3-Timmins	QOP AquaGeo (Aqua Regia ICPOES)	
Weight Rpt (kg)-Timmins	Received Weights	2021-03-26 09:27:23

REPORT **A21-03694**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
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	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	293019	1.42	0.011	-	-
ASSAY	293020	1.79	0.005	-	-
ASSAY	293021	1.29	0.005	-	-
ASSAY	293022	1.96	< 0.005	-	-
ASSAY	293023	2.15	0.006	-	-
ASSAY	293024	2.28	0.007	-	-
ASSAY	293025	2.39	0.007	-	-
ASSAY	293026	1.89	0.008	-	-
ASSAY	293027	2.37	< 0.005	-	-
ASSAY	293028	2.35	0.007	-	-
ASSAY	293029	1.22	< 0.005	-	-
ASSAY	293030	0.0660	6.83	-	-
ASSAY	293031	1.20	< 0.005	-	-
ASSAY	293032	2.20	< 0.005	-	-
ASSAY	293033	1.37	< 0.005	-	-
ASSAY	293034	1.34	< 0.005	-	-
ASSAY	293035	1.78	< 0.005	-	-
ASSAY	293036	2.51	< 0.005	-	-
ASSAY	293037	2.26	< 0.005	-	-
ASSAY	293038	2.32	< 0.005	-	-
ASSAY	293039	2.36	< 0.005	-	-
ASSAY	293040	1.74	< 0.005	-	-
ASSAY	293041	2.16	< 0.005	-	-
ASSAY	293042	1.92	< 0.005	-	-
ASSAY	293043	2.36	< 0.005	-	-
ASSAY	293044	2.16	< 0.005	-	-
ASSAY	293045	2.01	< 0.005	-	-
ASSAY	293046	2.02	< 0.005	-	-
ASSAY	293047	2.02	0.009	-	-
ASSAY	293048	2.06	< 0.005	-	-
ASSAY	293049	1.29	0.009	-	-
ASSAY	293050	0.718	< 0.005	-	-
ASSAY	293051	1.03	< 0.005	-	-
ASSAY	293052	2.23	0.203	-	-
ASSAY	293053	2.11	0.425	-	-
ASSAY	293054	2.10	0.260	-	-
ASSAY	293055	2.17	0.033	-	-
ASSAY	293056	2.46	0.008	-	-
ASSAY	293057	2.44	0.047	-	-
ASSAY	293058	2.12	0.175	-	-
ASSAY	293059	2.34	0.096	-	-
ASSAY	293060	2.33	0.039	-	-
ASSAY	293061	2.40	0.062	-	-
ASSAY	293062	2.26	0.007	-	-
ASSAY	293063	2.29	0.006	-	-
ASSAY	293064	2.19	< 0.005	-	-
ASSAY	293065	1.86	< 0.005	-	-
ASSAY	293066	1.55	< 0.005	-	-
ASSAY	293067	1.11	< 0.005	-	-
ASSAY	293068	2.40	< 0.005	-	-
ASSAY	293069	2.04	< 0.005	-	-
ASSAY	293070	0.0660	1.54	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	293071	2.16	< 0.005	-	-
ASSAY	293072	1.06	0.015	-	-
ASSAY	293073	1.15	0.005	-	-
ASSAY	293074	2.46	0.021	-	-
ASSAY	293075	2.11	0.016	-	-
ASSAY	293076	1.37	0.025	-	-
ASSAY	293077	0.973	0.027	-	-
ASSAY	293078	2.48	0.038	-	-
ASSAY	293079	2.20	0.018	-	-
ASSAY	293080	2.31	0.029	-	-
ASSAY	293081	2.22	0.011	-	-
ASSAY	293082	1.18	< 0.005	-	-
ASSAY	293083	1.11	< 0.005	-	-
ASSAY	293084	0.945	< 0.005	-	-
ASSAY	293085	1.38	< 0.005	-	-
ASSAY	293086	1.92	0.179	-	-
ASSAY	293087	1.55	0.162	-	-
ASSAY	293088	1.93	0.177	-	-
PULPDUP	293028	-	0.009	-	-
PULPDUP	293038	-	< 0.005	-	-
PULPDUP	293048	-	< 0.005	-	-
PULPDUP	293063	-	0.005	-	-
PREPDUP	293068	-	< 0.005	-	-
PULPDUP	293073	-	0.011	-	-
PULPDUP	293083	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-03971-Au
 Report Date: 30-Mar-21
 Date Submitted: 09-Mar-21
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

95 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-03-29 17:39:02
Weight Rpt (kg)-Timmins	Received Weights	2021-03-29 20:04:34

REPORT **A21-03971-Au**

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Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	293089	1.33	0.005	-	-
ASSAY	293090	0.937	< 0.005	-	-
ASSAY	293091	1.13	0.005	-	-
ASSAY	293092	1.09	< 0.005	-	-
ASSAY	293093	1.23	< 0.005	-	-
ASSAY	293094	1.05	0.051	-	-
ASSAY	293095	1.16	0.071	-	-
ASSAY	293096	2.55	< 0.005	-	-
ASSAY	293097	3.06	0.007	-	-
ASSAY	293098	2.29	0.007	-	-
ASSAY	293099	0.966	< 0.005	-	-
ASSAY	293100	0.943	< 0.005	-	-
ASSAY	293101	2.11	< 0.005	-	-
ASSAY	293102	2.02	0.093	-	-
ASSAY	293103	2.65	0.012	-	-
ASSAY	293104	1.20	0.178	-	-
ASSAY	293105	1.06	0.018	-	-
ASSAY	293106	2.22	0.006	-	-
ASSAY	293107	1.92	0.005	-	-
ASSAY	293108	1.51	0.005	-	-
ASSAY	293109	1.24	0.005	-	-
ASSAY	293110	0.0660	0.351	-	-
ASSAY	293111	1.05	0.033	-	-
ASSAY	293112	1.33	< 0.005	-	-
ASSAY	293113	2.68	0.007	-	-
ASSAY	293114	2.29	< 0.005	-	-
ASSAY	293115	2.26	< 0.005	-	-
ASSAY	293116	2.56	< 0.005	-	-
ASSAY	293117	2.32	< 0.005	-	-
ASSAY	293118	2.33	< 0.005	-	-
ASSAY	293119	2.59	< 0.005	-	-
ASSAY	293120	2.14	0.005	-	-
ASSAY	293121	2.29	0.020	-	-
ASSAY	293122	2.26	< 0.005	-	-
ASSAY	293123	1.56	< 0.005	-	-
ASSAY	293124	1.06	0.014	-	-
ASSAY	293125	2.42	< 0.005	-	-
ASSAY	293126	1.83	< 0.005	-	-
ASSAY	293127	1.03	< 0.005	-	-
ASSAY	293128	1.27	< 0.005	-	-
ASSAY	293129	2.58	< 0.005	-	-
ASSAY	293130	0.894	< 0.005	-	-
ASSAY	293131	2.21	< 0.005	-	-
ASSAY	293132	1.33	< 0.005	-	-
ASSAY	293133	2.17	< 0.005	-	-
ASSAY	293134	1.97	< 0.005	-	-
ASSAY	293135	2.32	< 0.005	-	-
ASSAY	293136	2.40	< 0.005	-	-
ASSAY	293137	2.42	< 0.005	-	-
ASSAY	293138	2.78	< 0.005	-	-
ASSAY	293139	2.02	0.010	-	-
ASSAY	293140	0.825	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	293141	2.14	0.006	-	-
ASSAY	293142	1.95	< 0.005	-	-
ASSAY	293143	1.08	4.64	-	-
ASSAY	293144	1.22	0.040	-	-
ASSAY	293145	1.32	0.015	-	-
ASSAY	293146	1.06	0.025	-	-
ASSAY	293147	1.18	0.012	-	-
ASSAY	293148	1.05	0.014	-	-
ASSAY	293149	2.29	0.011	-	-
ASSAY	293150	0.0660	6.43	-	-
ASSAY	293151	2.35	0.090	-	-
ASSAY	293152	1.09	0.019	-	-
ASSAY	293153	1.22	0.018	-	-
ASSAY	293154	1.12	1.23	-	-
ASSAY	293155	1.07	1.08	-	-
ASSAY	293156	1.35	0.020	-	-
ASSAY	293157	1.11	0.020	-	-
ASSAY	293158	1.20	0.507	-	-
ASSAY	293159	1.30	0.224	-	-
ASSAY	293160	0.973	0.005	-	-
ASSAY	293161	2.23	0.015	-	-
ASSAY	293162	2.18	0.019	-	-
ASSAY	293163	1.98	0.014	-	-
ASSAY	293164	2.66	0.018	-	-
ASSAY	293165	1.09	0.027	-	-
ASSAY	293166	1.06	0.045	-	-
ASSAY	293167	2.00	0.021	-	-
ASSAY	293168	2.66	0.013	-	-
ASSAY	293169	2.05	0.036	-	-
ASSAY	293170	1.07	< 0.005	-	-
ASSAY	293171	2.03	0.039	-	-
ASSAY	293172	3.00	0.018	-	-
ASSAY	293173	1.77	0.059	-	-
ASSAY	293174	2.31	0.029	-	-
ASSAY	293175	2.28	< 0.005	-	-
ASSAY	293176	2.78	0.030	-	-
ASSAY	293177	1.61	< 0.005	-	-
ASSAY	293178	1.10	< 0.005	-	-
ASSAY	293179	1.61	0.099	-	-
ASSAY	293180	2.42	0.051	-	-
ASSAY	293181	1.24	0.012	-	-
ASSAY	293182	1.35	0.021	-	-
ASSAY	293183	2.44	0.028	-	-
PULPDUP	293098	-	0.008	-	-
PULPDUP	293108	-	0.005	-	-
PULPDUP	293118	-	< 0.005	-	-
PULPDUP	293133	-	< 0.005	-	-
PULPDUP	293143	-	4.91	-	-
PULPDUP	293153	-	0.015	-	-
PULPDUP	293168	-	0.011	-	-
PULPDUP	293178	-	0.008	-	-



Report No.: A21-19164
Report Date: 11-Nov-21
Date Submitted: 08-Oct-21
Your Reference: Melkior

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

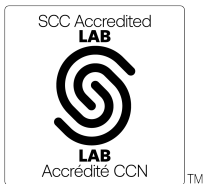
Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: Weight Rpt (kg)-Timmins, Received Weights, 2021-10-12 13:25:15

REPORT A21-19164

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

[Handwritten signature]

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Report No.: A21-19164
Report Date: 11-Nov-21
Date Submitted: 08-Oct-21
Your Reference: Melkior

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

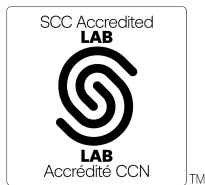
The following analytical package(s) were requested:		Testing Date:
UT-4M	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2021-10-21 14:58:37

REPORT A21-19164

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 266

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
	SAMPLE	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
SAMPLE TYPE	DESCRIPTION	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
ASSAY	KL015012	7.66	< 0.1	13	684	< 1	< 0.1	2.89	< 0.1	65	< 0.1	4.3
ASSAY	KL015013	7.14	2.3	7990	124	< 1	2.5	2.82	26.4	69	2.2	
ASSAY	KL015014	7.84	< 0.1	18	599	1	0.1	2.51	< 0.1	80	1.5	
ASSAY	KL015015	4.02	3.4	444	40	< 1	27.3	2.46	< 0.1	37	22.6	
ASSAY	KL015016	8.95	< 0.1	6	511	1	1.3	2.79	< 0.1	77	2.4	
ASSAY	KL015017	10.2	0.2	31	117	< 1	0.6	1.11	< 0.1	76	38.6	
ASSAY	KL015018	7.15	2.3	84	155	1	6.9	1.78	< 0.1	66	8.2	
ASSAY	KL015019	7.38	< 0.1	26	493	< 1	0.2	3.09	< 0.1	65	1.5	
ASSAY	KL015020	0.27	< 0.1	< 1	15	< 1	< 0.1	0.02	< 0.1	17	0.4	
ASSAY	KL015021	10.2	3.0	25	253	1	3.4	0.42	< 0.1	54	25.1	
ASSAY	KL015022	9.64	< 0.1	5	193	1	0.2	0.64	< 0.1	81	4.6	
PULPDUP	KL015014	8.43	< 0.1	14	601	1	0.1	2.71	< 0.1	79	1.1	

	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th
SAMPLE TYPE	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	53.5	3.9	< 1	1.01	552	1.5	< 0.1	8	0.8	173	< 0.1	
ASSAY	64.1	54.6	2	0.82	522	2.0	4.1	8	1.0	114	0.4	
ASSAY	58.7	2.9	< 1	0.97	468	0.7	< 0.1	8	0.6	206	< 0.1	
ASSAY	54.2	10.8	5	0.82	413	2.2	0.4	4	1.5	43	0.2	
ASSAY	74.2	2.8	< 1	1.33	525	0.4	< 0.1	11	0.4	208	< 0.1	
ASSAY	12.5	2.0	< 1	2.18	616	5.4	0.1	10	1.7	160	0.7	
ASSAY	89.3	10.4	2	1.01	344	1.6	0.2	8	1.7	94	0.4	
ASSAY	58.3	3.8	< 1	0.99	659	0.7	0.2	7	0.7	167	0.1	
ASSAY	1.6	0.5	< 1	0.02	43	1.0	< 0.1	< 1	0.2	1	< 0.1	
ASSAY	29.2	8.3	< 1	2.61	479	6.7	0.2	10	1.7	132	0.6	
ASSAY	21.9	4.1	< 1	2.34	437	0.6	< 0.1	9	0.6	210	< 0.1	
PULPDUP	58.3	2.9	< 1	0.95	463	0.5	< 0.1	9	0.3	208	< 0.1	



Report No.: A21-20760
Report Date: 08-Nov-21
Date Submitted: 04-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

96 Rock samples were submitted for analysis.

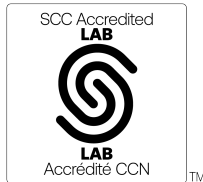
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-20760

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015821	2.55	< 0.005	-	-
ASSAY	KL015822	1.12	< 0.005	-	-
ASSAY	KL015823	1.18	0.098	-	-
ASSAY	KL015824	2.19	< 0.005	-	-
ASSAY	KL015825	0.984	0.305	-	-
ASSAY	KL015826	0.990	0.005	-	-
ASSAY	KL015827	2.62	< 0.005	-	-
ASSAY	KL015828	2.07	0.006	-	-
ASSAY	KL015829	2.18	< 0.005	-	-
ASSAY	KL015830	0.0660	3.40	-	-
ASSAY	KL015831	2.14	0.008	-	-
ASSAY	KL015832	2.56	0.025	-	-
ASSAY	KL015833	2.25	< 0.005	-	-
ASSAY	KL015834	2.33	0.010	-	-
ASSAY	KL015835	2.51	0.037	-	-
ASSAY	KL015836	1.98	0.069	-	-
ASSAY	KL015837	2.27	0.005	-	-
ASSAY	KL015838	1.08	< 0.005	-	-
ASSAY	KL015839	1.25	0.012	-	-
ASSAY	KL015840	1.26	< 0.005	-	-
ASSAY	KL015841	1.14	0.159	-	-
ASSAY	KL015842	1.28	< 0.005	-	-
ASSAY	KL015843	2.06	< 0.005	-	-
ASSAY	KL015844	2.21	< 0.005	-	-
ASSAY	KL015845	2.29	< 0.005	-	-
ASSAY	KL015846	2.62	< 0.005	-	-
ASSAY	KL015847	2.26	< 0.005	-	-
ASSAY	KL015848	2.29	< 0.005	-	-
ASSAY	KL015849	2.35	0.006	-	-
ASSAY	KL015850	0.0660	0.344	-	-
ASSAY	KL015851	2.29	< 0.005	-	-
ASSAY	KL015852	2.26	0.053	-	-
ASSAY	KL015853	2.33	< 0.005	-	-
ASSAY	KL015854	2.18	< 0.005	-	-
ASSAY	KL015855	2.21	< 0.005	-	-
ASSAY	KL015856	2.31	< 0.005	-	-
ASSAY	KL015857	2.18	< 0.005	-	-
ASSAY	KL015858	1.23	< 0.005	-	-
ASSAY	KL015859	1.08	< 0.005	-	-
ASSAY	KL015860	1.20	< 0.005	-	-
ASSAY	KL015861	2.41	< 0.005	-	-
ASSAY	KL015862	2.14	< 0.005	-	-
ASSAY	KL015863	2.22	< 0.005	-	-
ASSAY	KL015864	1.17	< 0.005	-	-
ASSAY	KL015865	1.03	0.195	-	-
ASSAY	KL015866	2.21	< 0.005	-	-
ASSAY	KL015867	2.24	< 0.005	-	-
ASSAY	KL015868	2.36	< 0.005	-	-
ASSAY	KL015869	2.59	0.162	-	-
ASSAY	KL015870	0.0660	3.37	-	-
ASSAY	KL015871	2.06	0.020	-	-
ASSAY	KL015872	2.39	0.021	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015873	2.41	0.011	-	-
ASSAY	KL015874	2.46	0.021	-	-
ASSAY	KL015875	1.73	< 0.005	-	-
ASSAY	KL015876	0.756	< 0.005	-	-
ASSAY	KL015877	2.57	< 0.005	-	-
ASSAY	KL015878	1.25	< 0.005	-	-
ASSAY	KL015879	1.06	< 0.005	-	-
ASSAY	KL015880	1.33	< 0.005	-	-
ASSAY	KL015881	2.66	0.010	-	-
ASSAY	KL015882	2.46	< 0.005	-	-
ASSAY	KL015883	1.54	0.006	-	-
ASSAY	KL015884	3.29	< 0.005	-	-
ASSAY	KL015885	2.36	< 0.005	-	-
ASSAY	KL015886	2.22	0.006	-	-
ASSAY	KL015887	1.06	0.014	-	-
ASSAY	KL015888	1.33	0.011	-	-
ASSAY	KL015889	1.48	0.006	-	-
ASSAY	KL015890	0.0660	0.351	-	-
ASSAY	KL015891	1.13	0.012	-	-
ASSAY	KL015892	1.24	0.008	-	-
ASSAY	KL015893	1.31	0.230	-	-
ASSAY	KL015894	1.13	0.424	-	-
ASSAY	KL015895	0.971	0.948	-	-
ASSAY	KL015896	2.48	0.007	-	-
ASSAY	KL015897	1.96	0.008	-	-
ASSAY	KL015898	2.59	0.025	-	-
ASSAY	KL015899	2.46	0.324	-	-
ASSAY	KL015900	1.31	< 0.005	-	-
ASSAY	KL015901	2.15	0.006	-	-
ASSAY	KL015902	2.34	0.028	-	-
ASSAY	KL015903	2.37	0.007	-	-
ASSAY	KL015904	2.13	< 0.005	-	-
ASSAY	KL015905	2.13	< 0.005	-	-
ASSAY	KL015906	2.21	0.005	-	-
ASSAY	KL015907	2.50	< 0.005	-	-
ASSAY	KL015908	2.50	0.009	-	-
ASSAY	KL015909	2.22	0.006	-	-
ASSAY	KL015910	0.0660	0.336	-	-
ASSAY	KL015911	2.38	0.005	-	-
ASSAY	KL015912	2.26	< 0.005	-	-
ASSAY	KL015913	0.950	< 0.005	-	-
ASSAY	KL015914	1.34	0.599	-	-
ASSAY	KL015915	2.05	0.005	-	-
ASSAY	KL015916	2.20	0.005	-	-
PULPDUP	KL015831	-	< 0.005	-	-
PULPDUP	KL015840	-	< 0.005	-	-
PULPDUP	KL015851	-	< 0.005	-	-
PREPDUP	KL015869	-	0.143	-	-
PULPDUP	KL015869	-	0.160	-	-
PULPDUP	KL015877	-	< 0.005	-	-
PULPDUP	KL015878	-	< 0.005	-	-
PULPDUP	KL015888	-	0.009	-	-

Results**Activation Laboratories Ltd.****Report: A21-20760**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL015891	-	0.011	-	-
PULPDUP	KL015906	-	< 0.005	-	-
PULPDUP	KL015916	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-20903
 Report Date: 08-Nov-21
 Date Submitted: 05-Nov-21
 Your Reference: Cars Grab

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

51 Rock samples were submitted for analysis.

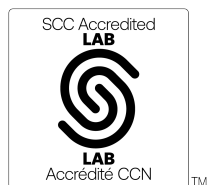
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-07 14:03:45
Weight Rpt (kg)-Timmins	Received Weights	2021-11-05 14:56:07

REPORT **A21-20903**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015948	1.98	< 0.005	-	-
ASSAY	KL015949	2.26	< 0.005	-	-
ASSAY	KL015950	0.0660	0.350	-	-
ASSAY	KL015951	2.15	< 0.005	-	-
ASSAY	KL015952	1.30	< 0.005	-	-
ASSAY	KL015953	1.13	6.38	-	-
ASSAY	KL015954	2.78	0.049	-	-
ASSAY	KL015955	2.16	< 0.005	-	-
ASSAY	KL015956	2.29	< 0.005	-	-
ASSAY	KL015957	2.26	< 0.005	-	-
ASSAY	KL015958	2.55	< 0.005	-	-
ASSAY	KL015959	2.14	< 0.005	-	-
ASSAY	KL015960	1.27	< 0.005	-	-
ASSAY	KL015961	2.19	< 0.005	-	-
ASSAY	KL015962	2.44	< 0.005	-	-
ASSAY	KL015963	2.01	< 0.005	-	-
ASSAY	KL015964	1.99	0.006	-	-
ASSAY	KL015965	2.33	< 0.005	-	-
ASSAY	KL015966	2.62	< 0.005	-	-
ASSAY	KL015967	2.81	< 0.005	-	-
ASSAY	KL015968	2.33	< 0.005	-	-
ASSAY	KL015969	2.17	< 0.005	-	-
ASSAY	KL015970	0.0660	0.782	-	-
ASSAY	KL015971	2.59	< 0.005	-	-
ASSAY	KL015972	2.08	< 0.005	-	-
ASSAY	KL015973	1.42	< 0.005	-	-
ASSAY	KL015974	1.71	< 0.005	-	-
ASSAY	KL015975	1.40	0.005	-	-
ASSAY	KL015976	2.47	< 0.005	-	-
ASSAY	KL015977	2.04	< 0.005	-	-
ASSAY	KL015978	2.92	< 0.005	-	-
ASSAY	KL015979	2.13	< 0.005	-	-
ASSAY	KL015980	1.23	< 0.005	-	-
ASSAY	KL015981	2.37	< 0.005	-	-
ASSAY	KL015982	2.57	< 0.005	-	-
ASSAY	KL015983	2.23	0.019	-	-
ASSAY	KL015984	3.03	< 0.005	-	-
ASSAY	KL015985	2.31	0.014	-	-
ASSAY	KL015986	2.07	< 0.005	-	-
ASSAY	KL015987	2.43	< 0.005	-	-
ASSAY	KL015988	2.51	< 0.005	-	-
ASSAY	KL015989	2.38	< 0.005	-	-
ASSAY	KL015990	0.0660	3.25	-	-
ASSAY	KL015991	2.69	0.007	-	-
ASSAY	KL015992	1.98	0.007	-	-
ASSAY	KL015993	2.30	< 0.005	-	-
ASSAY	KL015994	1.16	0.892	-	-
ASSAY	KL015995	1.31	3.13	-	-
ASSAY	KL015996	2.27	0.028	-	-
ASSAY	KL015997	2.25	0.005	-	-
ASSAY	KL015998	2.06	< 0.005	-	-
PULPDUP	KL015957	-	< 0.005	-	-

Results

Activation Laboratories Ltd.

Report: A21-20903

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL015967	-	< 0.005	-	-
PULPDUP	KL015977	-	< 0.005	-	-
PREPDUP	KL015997	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-20995
 Report Date: 10-Nov-21
 Date Submitted: 08-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

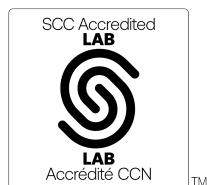
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-10 08:26:59
Weight Rpt (kg)-Timmins	Received Weights	2021-11-08 14:45:01

REPORT **A21-20995**

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016116	2.21	< 0.005	-	-
ASSAY	KL016117	2.25	< 0.005	-	-
ASSAY	KL016118	1.14	0.372	-	-
ASSAY	KL016119	1.12	2.22	-	-
ASSAY	KL016120	0.0660	0.347	-	-
ASSAY	KL016121	2.27	0.028	-	-
ASSAY	KL016122	2.38	< 0.005	-	-
ASSAY	KL016123	2.06	< 0.005	-	-
ASSAY	KL016124	2.13	< 0.005	-	-
ASSAY	KL016125	2.49	< 0.005	-	-
ASSAY	KL016126	2.02	0.029	-	-
ASSAY	KL016127	1.18	0.244	-	-
ASSAY	KL016128	1.44	7.13	-	-
ASSAY	KL016129	0.682	0.012	-	-
ASSAY	KL016130	1.24	< 0.005	-	-
ASSAY	KL016131	0.979	< 0.005	-	-
ASSAY	KL016132	1.23	< 0.005	-	-
ASSAY	KL016133	1.46	0.768	-	-
ASSAY	KL016134	2.35	< 0.005	-	-
ASSAY	KL016135	1.18	1.13	-	-
ASSAY	KL016136	1.29	0.005	-	-
ASSAY	KL016137	0.858	0.289	-	-
ASSAY	KL016138	1.58	< 0.005	-	-
ASSAY	KL016139	2.59	< 0.005	-	-
ASSAY	KL016140	0.0660	0.783	-	-
ASSAY	KL016141	2.90	< 0.005	-	-
ASSAY	KL016142	1.14	0.068	-	-
ASSAY	KL016143	0.778	< 0.005	-	-
ASSAY	KL016144	2.30	< 0.005	-	-
ASSAY	KL016145	2.38	< 0.005	-	-
ASSAY	KL016146	1.10	0.433	-	-
ASSAY	KL016147	1.31	< 0.005	-	-
ASSAY	KL016148	1.18	< 0.005	-	-
ASSAY	KL016149	0.937	< 0.005	-	-
ASSAY	KL016150	1.27	< 0.005	-	-
ASSAY	KL016151	2.33	0.005	-	-
ASSAY	KL016152	1.10	< 0.005	-	-
ASSAY	KL016153	1.38	3.31	-	-
ASSAY	KL016154	1.19	0.099	-	-
ASSAY	KL016155	1.18	0.032	-	-
ASSAY	KL016156	1.24	0.018	-	-
ASSAY	KL016157	1.17	0.043	-	-
ASSAY	KL016158	2.47	0.007	-	-
ASSAY	KL016159	2.32	0.014	-	-
PULPDUP	KL016122	-	< 0.005	-	-
PULPDUP	KL016132	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-21165
 Report Date: 15-Nov-21
 Date Submitted: 10-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

46 Rock samples were submitted for analysis.

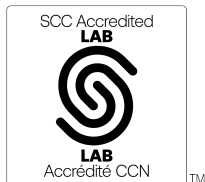
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-12 11:16:35
Weight Rpt (kg)-Timmins	Received Weights	2021-11-10 14:52:19

REPORT **A21-21165**

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Notes:

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



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016319	1.92	< 0.005	-	-
ASSAY	KL016320	0.0660	0.804	-	-
ASSAY	KL016321	2.50	< 0.005	-	-
ASSAY	KL016322	0.963	< 0.005	-	-
ASSAY	KL016323	1.31	3.72	-	-
ASSAY	KL016324	2.24	0.010	-	-
ASSAY	KL016325	2.46	0.023	-	-
ASSAY	KL016326	2.41	< 0.005	-	-
ASSAY	KL016327	2.71	< 0.005	-	-
ASSAY	KL016328	2.33	< 0.005	-	-
ASSAY	KL016329	2.41	< 0.005	-	-
ASSAY	KL016330	1.29	< 0.005	-	-
ASSAY	KL016331	2.34	< 0.005	-	-
ASSAY	KL016332	2.34	0.013	-	-
ASSAY	KL016333	2.35	0.027	-	-
ASSAY	KL016334	2.61	0.019	-	-
ASSAY	KL016335	2.30	0.006	-	-
ASSAY	KL016336	1.38	0.006	-	-
ASSAY	KL016337	1.02	5.17	-	-
ASSAY	KL016338	2.46	0.012	-	-
ASSAY	KL016339	2.45	0.008	-	-
ASSAY	KL016340	0.0660	3.32	-	-
ASSAY	KL016341	0.967	0.005	-	-
ASSAY	KL016342	1.37	0.103	-	-
ASSAY	KL016343	2.51	< 0.005	-	-
ASSAY	KL016344	2.52	< 0.005	-	-
ASSAY	KL016345	1.96	< 0.005	-	-
ASSAY	KL016346	2.78	< 0.005	-	-
ASSAY	KL016347	2.45	< 0.005	-	-
ASSAY	KL016348	2.53	< 0.005	-	-
ASSAY	KL016349	2.49	< 0.005	-	-
ASSAY	KL016350	1.27	< 0.005	-	-
ASSAY	KL016351	2.44	0.019	-	-
ASSAY	KL016352	2.33	0.005	-	-
ASSAY	KL016353	2.58	0.007	-	-
ASSAY	KL016354	2.41	0.012	-	-
ASSAY	KL016355	2.51	< 0.005	-	-
ASSAY	KL016356	2.42	0.005	-	-
ASSAY	KL016357	2.40	< 0.005	-	-
ASSAY	KL016358	2.27	< 0.005	-	-
ASSAY	KL016359	2.38	0.035	-	-
ASSAY	KL016360	0.0660	0.775	-	-
ASSAY	KL016361	2.53	< 0.005	-	-
ASSAY	KL016362	2.49	< 0.005	-	-
ASSAY	KL016363	1.20	0.149	-	-
ASSAY	KL016364	1.35	< 0.005	-	-
PULPDUP	KL016328	-	< 0.005	-	-
PULPDUP	KL016338	-	0.007	-	-
PULPDUP	KL016348	-	< 0.005	-	-
PULPDUP	KL016363	-	0.149	-	-



Report No.: A21-21233
 Report Date: 15-Nov-21
 Date Submitted: 11-Nov-21
 Your Reference: Carscallen

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

26 Rock samples were submitted for analysis.

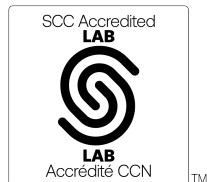
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-15 11:12:37
Weight Rpt (kg)-Timmins	Received Weights	2021-11-11 14:50:28

REPORT A21-21233

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016218	2.29	0.011	-	-
ASSAY	KL016219	1.33	< 0.005	-	-
ASSAY	KL016220	0.0660	3.11	-	-
ASSAY	KL016221	2.62	0.007	-	-
ASSAY	KL016222	2.32	< 0.005	-	-
ASSAY	KL016223	2.50	0.005	-	-
ASSAY	KL016224	2.46	0.015	-	-
ASSAY	KL016225	1.91	0.007	-	-
ASSAY	KL016226	1.19	< 0.005	-	-
ASSAY	KL016227	1.16	0.412	-	-
ASSAY	KL016228	2.32	0.005	-	-
ASSAY	KL016229	2.59	0.022	-	-
ASSAY	KL016230	1.24	< 0.005	-	-
ASSAY	KL016231	1.17	0.669	-	-
ASSAY	KL016232	0.985	0.025	-	-
ASSAY	KL016233	2.32	0.007	-	-
ASSAY	KL016234	1.25	0.017	-	-
ASSAY	KL016235	1.26	0.007	-	-
ASSAY	KL016236	2.43	< 0.005	-	-
ASSAY	KL016237	1.90	0.017	-	-
ASSAY	KL016238	1.03	0.079	-	-
ASSAY	KL016239	1.70	0.064	-	-
ASSAY	KL016240	0.0660	0.345	-	-
ASSAY	KL016241	1.16	0.024	-	-
ASSAY	KL016242	1.33	0.711	-	-
ASSAY	KL016243	2.40	< 0.005	-	-
PULPDUP	KL016227	-	0.420	-	-
PULPDUP	KL016237	-	0.019	-	-



Report No.: A21-21314
Report Date: 15-Nov-21
Date Submitted: 12-Nov-21
Your Reference: Taylor

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

48 Rock samples were submitted for analysis.

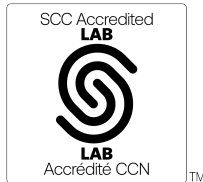
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-21314

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016416	2.61	0.005	-	-
ASSAY	KL016417	1.36	0.043	-	-
ASSAY	KL016418	1.04	0.714	-	-
ASSAY	KL016419	2.57	0.007	-	-
ASSAY	KL016420	0.0660	0.817	-	-
ASSAY	KL016421	2.65	0.013	-	-
ASSAY	KL016422	2.50	< 0.005	-	-
ASSAY	KL016423	2.58	< 0.005	-	-
ASSAY	KL016424	1.17	0.006	-	-
ASSAY	KL016425	1.84	8.70	-	-
ASSAY	KL016426	2.56	0.014	-	-
ASSAY	KL016427	1.23	0.017	-	-
ASSAY	KL016428	1.37	0.012	-	-
ASSAY	KL016429	1.10	0.019	-	-
ASSAY	KL016430	1.09	< 0.005	-	-
ASSAY	KL016431	1.19	< 0.005	-	-
ASSAY	KL016432	2.45	0.005	-	-
ASSAY	KL016433	2.61	< 0.005	-	-
ASSAY	KL016434	2.55	< 0.005	-	-
ASSAY	KL016435	2.47	< 0.005	-	-
ASSAY	KL016436	2.18	< 0.005	-	-
ASSAY	KL016437	1.57	< 0.005	-	-
ASSAY	KL016438	2.33	< 0.005	-	-
ASSAY	KL016439	1.15	0.005	-	-
ASSAY	KL016440	0.0660	0.351	-	-
ASSAY	KL016441	1.40	0.726	-	-
ASSAY	KL016442	1.47	0.021	-	-
ASSAY	KL016443	1.31	0.011	-	-
ASSAY	KL016444	1.37	0.018	-	-
ASSAY	KL016445	1.40	0.036	-	-
ASSAY	KL016446	1.12	0.422	-	-
ASSAY	KL016447	2.65	0.008	-	-
ASSAY	KL016448	1.29	0.007	-	-
ASSAY	KL016449	1.43	0.128	-	-
ASSAY	KL016450	1.21	< 0.005	-	-
ASSAY	KL016451	2.41	< 0.005	-	-
ASSAY	KL016452	1.95	< 0.005	-	-
ASSAY	KL016453	1.10	< 0.005	-	-
ASSAY	KL016454	1.26	0.011	-	-
ASSAY	KL016455	1.62	0.005	-	-
ASSAY	KL016456	2.32	0.007	-	-
ASSAY	KL016457	1.16	0.029	-	-
ASSAY	KL016458	1.47	0.020	-	-
ASSAY	KL016459	2.30	0.006	-	-
ASSAY	KL016460	0.0660	3.28	-	-
ASSAY	KL016461	1.32	0.011	-	-
ASSAY	KL016462	1.35	0.101	-	-
ASSAY	KL016463	2.90	0.006	-	-
PULPDUP	KL016425	-	9.06	-	-
PULPDUP	KL016435	-	< 0.005	-	-
PULPDUP	KL016445	-	0.034	-	-
PULPDUP	KL016461	-	0.007	-	-



Report No.: A21-21481
Report Date: 18-Nov-21
Date Submitted: 16-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

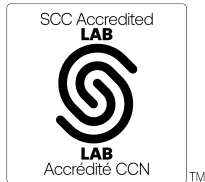
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A21-21481

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016514	2.56	0.009	-	-
ASSAY	KL016515	2.44	0.007	-	-
ASSAY	KL016516	2.48	0.008	-	-
ASSAY	KL016517	2.57	0.009	-	-
ASSAY	KL016518	2.36	0.013	-	-
ASSAY	KL016519	1.30	2.17	-	-
ASSAY	KL016520	0.0660	3.07	-	-
ASSAY	KL016521	0.982	0.005	-	-
ASSAY	KL016522	2.67	0.006	-	-
ASSAY	KL016523	2.91	0.007	-	-
ASSAY	KL016524	1.96	< 0.005	-	-
ASSAY	KL016525	2.79	< 0.005	-	-
ASSAY	KL016526	2.58	0.006	-	-
ASSAY	KL016527	2.59	< 0.005	-	-
ASSAY	KL016528	2.70	0.006	-	-
PULPDUP	KL016524	-	< 0.005	-	-



Report No.: A21-21485
Report Date: 17-Dec-21
Date Submitted: 16-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

46 Rock samples were submitted for analysis.

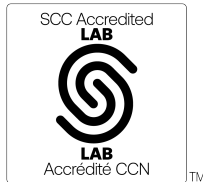
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-21485

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014001	2.67	0.025	-	-
ASSAY	KL014002	2.54	0.010	-	-
ASSAY	KL014003	3.14	0.011	-	-
ASSAY	KL014004	2.25	0.012	-	-
ASSAY	KL014005	2.82	0.010	-	-
ASSAY	KL014006	3.04	0.014	-	-
ASSAY	KL014007	2.74	0.008	-	-
ASSAY	KL014008	1.04	< 0.005	-	-
ASSAY	KL014009	3.42	0.011	-	-
ASSAY	KL014010	1.22	0.007	-	-
ASSAY	KL014011	2.48	0.009	-	-
ASSAY	KL014012	2.42	0.008	-	-
ASSAY	KL014013	2.27	0.006	-	-
ASSAY	KL014014	2.73	0.005	-	-
ASSAY	KL014015	2.39	< 0.005	-	-
ASSAY	KL014016	1.93	< 0.005	-	-
ASSAY	KL014017	2.11	0.005	-	-
ASSAY	KL014018	2.11	< 0.005	-	-
ASSAY	KL014019	2.43	< 0.005	-	-
ASSAY	KL014020	0.0660	0.346	-	-
ASSAY	KL014021	2.58	< 0.005	-	-
ASSAY	KL014022	2.73	0.044	-	-
ASSAY	KL014023	1.94	0.005	-	-
ASSAY	KL014024	2.13	0.009	-	-
ASSAY	KL014025	2.37	< 0.005	-	-
ASSAY	KL014026	2.31	< 0.005	-	-
ASSAY	KL014027	2.65	< 0.005	-	-
ASSAY	KL014028	2.18	0.011	-	-
ASSAY	KL014029	2.78	0.017	-	-
ASSAY	KL014030	1.11	< 0.005	-	-
ASSAY	KL014031	2.80	0.015	-	-
ASSAY	KL014032	2.15	1.56	-	-
ASSAY	KL014033	2.28	0.006	-	-
ASSAY	KL014034	2.45	0.009	-	-
ASSAY	KL014035	2.62	0.007	-	-
ASSAY	KL014036	2.46	< 0.005	-	-
ASSAY	KL014037	1.91	0.007	-	-
ASSAY	KL014038	1.35	< 0.005	-	-
ASSAY	KL014039	3.50	0.006	-	-
ASSAY	KL014040	0.0660	0.789	-	-
ASSAY	KL014041	0.796	< 0.005	-	-
ASSAY	KL014042	2.66	< 0.005	-	-
ASSAY	KL014043	1.97	< 0.005	-	-
ASSAY	KL014044	3.01	< 0.005	-	-
ASSAY	KL014045	3.28	< 0.005	-	-
ASSAY	KL014046	2.46	0.005	-	-
PULPDUP	KL014010	-	0.007	-	-
PULPDUP	KL014021	-	0.005	-	-
PULPDUP	KL014030	-	< 0.005	-	-



Report No.: A21-21688
Report Date: 22-Nov-21
Date Submitted: 18-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

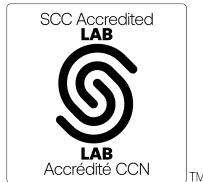
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Includes rows for 1A2-Timmins (10g/m t) and Weight Rpt (kg)-Timmins.

REPORT A21-21688

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-21688

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016587	2.39	0.033	-	-
ASSAY	KL016588	2.07	0.011	-	-
ASSAY	KL016589	2.21	0.022	-	-
ASSAY	KL016590	1.05	0.007	-	-
ASSAY	KL016591	1.37	0.026	-	-
ASSAY	KL016592	1.85	0.100	-	-
ASSAY	KL016593	1.25	0.006	-	-
ASSAY	KL016594	2.43	0.008	-	-
ASSAY	KL016595	2.31	< 0.005	-	-



Report No.: A21-21689
Report Date: 22-Nov-21
Date Submitted: 18-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

23 Rock samples were submitted for analysis.

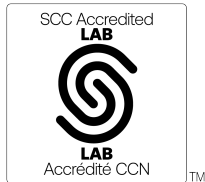
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-21689

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016624	2.44	< 0.005	-	-
ASSAY	KL016625	0.000	0.008	-	-
ASSAY	KL016626	0.000	1.41	-	-
ASSAY	KL016627	0.000	0.028	-	-
ASSAY	KL016628	0.000	0.016	-	-
ASSAY	KL016629	0.000	0.040	-	-
ASSAY	KL016630	0.000	0.006	-	-
ASSAY	KL016631	0.000	0.008	-	-
ASSAY	KL016632	0.767	0.006	-	-
ASSAY	KL016633	1.09	0.005	-	-
ASSAY	KL016634	2.23	< 0.005	-	-
ASSAY	KL016635	1.08	< 0.005	-	-
ASSAY	KL016636	1.38	0.160	-	-
ASSAY	KL016637	1.22	0.006	-	-
ASSAY	KL016638	0.920	< 0.005	-	-
ASSAY	KL016639	2.01	0.008	-	-
ASSAY	KL016640	0.0660	3.10	-	-
ASSAY	KL016641	3.01	0.015	-	-
ASSAY	KL016642	1.87	0.005	-	-
ASSAY	KL016643	2.56	0.022	-	-
ASSAY	KL016644	2.22	0.014	-	-
ASSAY	KL016645	2.23	0.006	-	-
ASSAY	KL016646	2.56	< 0.005	-	-
PULPDUP	KL016624	-	< 0.005	-	-
PULPDUP	KL016634	-	< 0.005	-	-
PULPDUP	KL016644	-	< 0.005	-	-



Report No.: A21-21691
Report Date: 30-Dec-21
Date Submitted: 18-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

102 Rock samples were submitted for analysis.

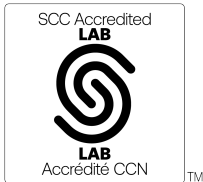
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-21691

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014047	2.49	0.008	-	-
ASSAY	KL014048	0.782	0.005	-	-
ASSAY	KL014049	2.69	< 0.005	-	-
ASSAY	KL014050	1.24	< 0.005	-	-
ASSAY	KL014051	3.19	< 0.005	-	-
ASSAY	KL014052	2.91	< 0.005	-	-
ASSAY	KL014053	1.97	0.032	-	-
ASSAY	KL014054	2.67	0.011	-	-
ASSAY	KL014055	3.13	0.009	-	-
ASSAY	KL014056	3.94	0.010	-	-
ASSAY	KL014057	3.39	0.009	-	-
ASSAY	KL014058	2.74	0.011	-	-
ASSAY	KL014059	2.53	0.014	-	-
ASSAY	KL014060	0.0660	0.318	-	-
ASSAY	KL014061	1.82	0.011	-	-
ASSAY	KL014062	2.16	0.011	-	-
ASSAY	KL014063	1.46	0.007	-	-
ASSAY	KL014064	1.45	< 0.005	-	-
ASSAY	KL014065	2.06	0.005	-	-
ASSAY	KL014066	2.52	0.008	-	-
ASSAY	KL014067	1.29	0.088	-	-
ASSAY	KL014068	1.22	< 0.005	-	-
ASSAY	KL014069	1.03	0.005	-	-
ASSAY	KL014070	1.34	< 0.005	-	-
ASSAY	KL014071	1.70	0.014	-	-
ASSAY	KL014072	2.19	0.013	-	-
ASSAY	KL014073	2.98	0.013	-	-
ASSAY	KL014074	2.13	0.019	-	-
ASSAY	KL014075	2.83	0.017	-	-
ASSAY	KL014076	2.70	0.022	-	-
ASSAY	KL014077	2.70	0.018	-	-
ASSAY	KL014078	2.16	0.015	-	-
ASSAY	KL014079	2.63	0.017	-	-
ASSAY	KL014080	1.37	0.007	-	-
ASSAY	KL014081	2.54	0.019	-	-
ASSAY	KL014082	2.90	0.009	-	-
ASSAY	KL014083	2.28	0.010	-	-
ASSAY	KL014084	2.68	0.010	-	-
ASSAY	KL014085	2.33	0.013	-	-
ASSAY	KL014086	2.47	0.014	-	-
ASSAY	KL014087	2.30	0.011	-	-
ASSAY	KL014088	1.26	0.015	-	-
ASSAY	KL014089	2.59	0.029	-	-
ASSAY	KL014090	0.0660	0.336	-	-
ASSAY	KL014091	2.36	0.016	-	-
ASSAY	KL014092	2.47	0.015	-	-
ASSAY	KL014093	2.26	0.015	-	-
ASSAY	KL014094	2.39	0.021	-	-
ASSAY	KL014095	2.56	0.021	-	-
ASSAY	KL014096	2.03	0.017	-	-
ASSAY	KL014097	2.69	0.018	-	-
ASSAY	KL014098	2.48	0.016	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014099	2.91	0.015	-	-
ASSAY	KL014100	1.15	0.009	-	-
ASSAY	KL014101	2.86	0.013	-	-
ASSAY	KL014102	1.88	0.022	-	-
ASSAY	KL014103	1.12	0.020	-	-
ASSAY	KL014104	2.93	0.027	-	-
ASSAY	KL014105	3.70	0.021	-	-
ASSAY	KL014106	3.53	0.030	-	-
ASSAY	KL014107	2.43	0.022	-	-
ASSAY	KL014108	2.60	0.036	-	-
ASSAY	KL014109	2.66	0.007	-	-
ASSAY	KL014110	1.33	< 0.005	-	-
ASSAY	KL014111	3.34	< 0.005	-	-
ASSAY	KL014112	2.62	0.030	-	-
ASSAY	KL014113	2.80	0.034	-	-
ASSAY	KL014114	3.32	0.028	-	-
ASSAY	KL014115	2.20	< 0.005	-	-
ASSAY	KL014116	2.64	0.014	-	-
ASSAY	KL014117	2.29	0.007	-	-
ASSAY	KL014118	2.57	0.013	-	-
ASSAY	KL014119	2.75	0.014	-	-
ASSAY	KL014120	0.0660	2.81	-	-
ASSAY	KL014121	3.12	0.005	-	-
ASSAY	KL014122	2.31	< 0.005	-	-
ASSAY	KL014123	2.53	0.006	-	-
ASSAY	KL014124	1.51	0.006	-	-
ASSAY	KL014125	1.80	0.014	-	-
ASSAY	KL014126	1.58	< 0.005	-	-
ASSAY	KL014127	2.13	0.007	-	-
ASSAY	KL014128	2.50	0.012	-	-
ASSAY	KL014129	2.94	0.010	-	-
ASSAY	KL014130	1.22	0.005	-	-
ASSAY	KL014131	3.56	0.011	-	-
ASSAY	KL014132	2.55	0.015	-	-
ASSAY	KL014133	2.20	0.028	-	-
ASSAY	KL014134	2.57	0.017	-	-
ASSAY	KL014135	2.25	0.012	-	-
ASSAY	KL014136	2.60	0.018	-	-
ASSAY	KL014137	2.87	0.018	-	-
ASSAY	KL014138	2.22	0.014	-	-
ASSAY	KL014139	2.33	0.016	-	-
ASSAY	KL014140	0.0660	0.341	-	-
ASSAY	KL014141	2.79	0.015	-	-
ASSAY	KL014142	2.59	0.014	-	-
ASSAY	KL014143	1.23	0.014	-	-
ASSAY	KL014144	2.84	0.017	-	-
ASSAY	KL014145	1.21	0.013	-	-
ASSAY	KL014146	1.25	0.011	-	-
ASSAY	KL014147	1.55	0.016	-	-
ASSAY	KL014148	0.753	0.019	-	-
PULPDUP	KL014065	-	0.007	-	-
PULPDUP	KL014075	-	0.016	-	-

Results

Activation Laboratories Ltd.

Report: A21-21691

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL014082	-	0.011	-	-
PULPDUP	KL014094	-	0.019	-	-
PREPDUP	KL014096	-	0.018	-	-
PULPDUP	KL014104	-	0.025	-	-
PULPDUP	KL014114	-	0.029	-	-
PULPDUP	KL014129	-	0.011	-	-
PULPDUP	KL014139	-	0.016	-	-
PREPDUP	KL014146	-	0.012	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-21693
 Report Date: 23-Dec-21
 Date Submitted: 18-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

166 Rock samples were submitted for analysis.

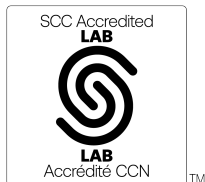
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-21 13:10:07
Weight Rpt (kg)-Timmins	Received Weights	2021-12-20 14:33:31

REPORT **A21-21693**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015501	2.09	< 0.005	-	-
ASSAY	KL015502	2.59	0.005	-	-
ASSAY	KL015503	2.14	0.005	-	-
ASSAY	KL015504	2.57	< 0.005	-	-
ASSAY	KL015505	2.60	0.005	-	-
ASSAY	KL015506	2.75	0.005	-	-
ASSAY	KL015507	2.56	< 0.005	-	-
ASSAY	KL015508	2.36	< 0.005	-	-
ASSAY	KL015509	2.80	0.007	-	-
ASSAY	KL015510	0.0700	0.352	-	-
ASSAY	KL015511	2.65	0.007	-	-
ASSAY	KL015512	2.54	0.010	-	-
ASSAY	KL015513	2.44	< 0.005	-	-
ASSAY	KL015514	2.60	0.009	-	-
ASSAY	KL015515	2.78	0.005	-	-
ASSAY	KL015516	2.49	0.005	-	-
ASSAY	KL015517	2.44	0.009	-	-
ASSAY	KL015518	2.65	0.007	-	-
ASSAY	KL015519	2.64	0.005	-	-
ASSAY	KL015520	0.867	< 0.005	-	-
ASSAY	KL015521	2.41	0.008	-	-
ASSAY	KL015522	2.44	0.009	-	-
ASSAY	KL015523	2.60	0.005	-	-
ASSAY	KL015524	2.41	< 0.005	-	-
ASSAY	KL015525	2.90	< 0.005	-	-
ASSAY	KL015526	2.79	< 0.005	-	-
ASSAY	KL015527	2.18	0.009	-	-
ASSAY	KL015528	2.38	< 0.005	-	-
ASSAY	KL015529	2.33	< 0.005	-	-
ASSAY	KL015530	0.0700	3.11	-	-
ASSAY	KL015531	2.74	< 0.005	-	-
ASSAY	KL015532	2.42	< 0.005	-	-
ASSAY	KL015533	2.71	< 0.005	-	-
ASSAY	KL015534	2.71	< 0.005	-	-
ASSAY	KL015535	2.07	0.005	-	-
ASSAY	KL015536	2.77	0.005	-	-
ASSAY	KL015537	2.53	< 0.005	-	-
ASSAY	KL015538	2.43	0.005	-	-
ASSAY	KL015539	2.64	0.005	-	-
ASSAY	KL015540	1.21	0.005	-	-
ASSAY	KL015541	2.50	0.006	-	-
ASSAY	KL015542	2.38	< 0.005	-	-
ASSAY	KL015543	2.73	0.006	-	-
ASSAY	KL015544	2.63	< 0.005	-	-
ASSAY	KL015545	2.42	< 0.005	-	-
ASSAY	KL015546	2.46	0.010	-	-
ASSAY	KL015547	2.35	< 0.005	-	-
ASSAY	KL015548	2.63	< 0.005	-	-
ASSAY	KL015549	2.78	0.008	-	-
ASSAY	KL015550	0.0700	0.870	-	-
ASSAY	KL015551	2.51	0.009	-	-
ASSAY	KL015552	2.83	0.006	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015553	2.66	0.008	-	-
ASSAY	KL015554	2.49	0.010	-	-
ASSAY	KL015555	2.67	0.013	-	-
ASSAY	KL015556	2.35	0.006	-	-
ASSAY	KL015557	2.65	< 0.005	-	-
ASSAY	KL015558	2.59	< 0.005	-	-
ASSAY	KL015559	3.07	0.005	-	-
ASSAY	KL015560	1.08	< 0.005	-	-
ASSAY	KL015561	2.53	0.006	-	-
ASSAY	KL015562	2.50	< 0.005	-	-
ASSAY	KL015563	3.29	0.006	-	-
ASSAY	KL015564	2.54	0.007	-	-
ASSAY	KL015565	2.34	< 0.005	-	-
ASSAY	KL015566	2.60	0.007	-	-
ASSAY	KL015567	2.72	< 0.005	-	-
ASSAY	KL015568	2.43	< 0.005	-	-
ASSAY	KL015569	2.67	< 0.005	-	-
ASSAY	KL015570	0.0700	0.351	-	-
ASSAY	KL015571	1.29	< 0.005	-	-
ASSAY	KL015572	1.27	< 0.005	-	-
ASSAY	KL015573	2.75	0.005	-	-
ASSAY	KL015574	2.25	< 0.005	-	-
ASSAY	KL015575	1.44	< 0.005	-	-
ASSAY	KL015576	1.25	< 0.005	-	-
ASSAY	KL015577	2.66	0.011	-	-
ASSAY	KL015578	2.64	0.006	-	-
ASSAY	KL015579	2.56	< 0.005	-	-
ASSAY	KL015580	1.09	< 0.005	-	-
ASSAY	KL015581	2.70	0.008	-	-
ASSAY	KL015582	2.45	< 0.005	-	-
ASSAY	KL015583	2.49	0.005	-	-
ASSAY	KL015584	2.30	< 0.005	-	-
ASSAY	KL015585	2.67	< 0.005	-	-
ASSAY	KL015586	2.34	< 0.005	-	-
ASSAY	KL015587	2.42	0.007	-	-
ASSAY	KL015588	2.61	0.005	-	-
ASSAY	KL015589	2.43	0.009	-	-
ASSAY	KL015590	0.0700	3.16	-	-
ASSAY	KL015591	2.56	0.007	-	-
ASSAY	KL015592	2.10	0.007	-	-
ASSAY	KL015593	2.75	0.008	-	-
ASSAY	KL015594	2.35	< 0.005	-	-
ASSAY	KL015595	2.76	0.005	-	-
ASSAY	KL015596	2.65	< 0.005	-	-
ASSAY	KL015597	2.47	< 0.005	-	-
ASSAY	KL015598	2.96	0.005	-	-
ASSAY	KL015599	2.16	0.005	-	-
ASSAY	KL015600	0.927	0.005	-	-
ASSAY	KL015601	2.88	< 0.005	-	-
ASSAY	KL015602	2.53	0.005	-	-
ASSAY	KL015603	2.06	< 0.005	-	-
ASSAY	KL015604	2.75	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015605	1.16	0.026	-	-
ASSAY	KL015606	2.28	0.006	-	-
ASSAY	KL015607	2.05	0.017	-	-
ASSAY	KL015608	1.86	< 0.005	-	-
ASSAY	KL015609	2.29	0.006	-	-
ASSAY	KL015610	0.0700	0.835	-	-
ASSAY	KL015611	2.54	< 0.005	-	-
ASSAY	KL015612	2.28	0.005	-	-
ASSAY	KL015613	2.68	< 0.005	-	-
ASSAY	KL015614	2.44	0.010	-	-
ASSAY	KL015615	2.57	< 0.005	-	-
ASSAY	KL015616	2.33	< 0.005	-	-
ASSAY	KL015617	2.30	< 0.005	-	-
ASSAY	KL015618	2.27	< 0.005	-	-
ASSAY	KL015619	2.50	< 0.005	-	-
ASSAY	KL015620	0.998	< 0.005	-	-
ASSAY	KL015621	2.47	0.018	-	-
ASSAY	KL015622	2.30	< 0.005	-	-
ASSAY	KL015623	2.77	< 0.005	-	-
ASSAY	KL015624	2.50	< 0.005	-	-
ASSAY	KL015625	2.52	0.005	-	-
ASSAY	KL015626	2.35	0.080	-	-
ASSAY	KL015627	2.39	0.006	-	-
ASSAY	KL015628	2.75	< 0.005	-	-
ASSAY	KL015629	2.61	< 0.005	-	-
ASSAY	KL015630	0.0700	0.339	-	-
ASSAY	KL015631	2.31	< 0.005	-	-
ASSAY	KL015632	2.89	< 0.005	-	-
ASSAY	KL015633	2.43	< 0.005	-	-
ASSAY	KL015634	2.53	0.006	-	-
ASSAY	KL015635	2.60	< 0.005	-	-
ASSAY	KL015636	2.35	< 0.005	-	-
ASSAY	KL015637	2.42	0.021	-	-
ASSAY	KL015638	2.46	< 0.005	-	-
ASSAY	KL015639	2.77	< 0.005	-	-
ASSAY	KL015640	1.01	< 0.005	-	-
ASSAY	KL015641	2.61	< 0.005	-	-
ASSAY	KL015642	2.52	0.023	-	-
ASSAY	KL015643	2.52	< 0.005	-	-
ASSAY	KL015644	2.93	< 0.005	-	-
ASSAY	KL015645	2.33	< 0.005	-	-
ASSAY	KL015646	2.30	< 0.005	-	-
ASSAY	KL015647	2.54	< 0.005	-	-
ASSAY	KL015648	2.44	< 0.005	-	-
ASSAY	KL015649	2.53	< 0.005	-	-
ASSAY	KL015650	0.0700	3.05	-	-
ASSAY	KL015651	2.33	0.009	-	-
ASSAY	KL015652	2.38	< 0.005	-	-
ASSAY	KL015653	2.42	0.011	-	-
ASSAY	KL015654	2.41	0.006	-	-
ASSAY	KL015655	2.47	< 0.005	-	-
ASSAY	KL015656	2.69	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015657	2.51	0.006	-	-
ASSAY	KL015658	2.52	< 0.005	-	-
ASSAY	KL015659	2.46	0.009	-	-
ASSAY	KL015660	1.13	< 0.005	-	-
ASSAY	KL015661	2.54	0.008	-	-
ASSAY	KL015662	2.31	< 0.005	-	-
ASSAY	KL015663	2.61	< 0.005	-	-
ASSAY	KL015664	2.62	< 0.005	-	-
ASSAY	KL015665	2.41	0.024	-	-
ASSAY	KL015666	2.79	< 0.005	-	-
PULPDUP	KL015511	-	< 0.005	-	-
PULPDUP	KL015520	-	< 0.005	-	-
PULPDUP	KL015531	-	< 0.005	-	-
PULPDUP	KL015545	-	0.005	-	-
PREPDUP	KL015549	-	0.008	-	-
PULPDUP	KL015554	-	0.006	-	-
PULPDUP	KL015564	-	0.006	-	-
PULPDUP	KL015579	-	< 0.005	-	-
PULPDUP	KL015589	-	< 0.005	-	-
PREPDUP	KL015599	-	< 0.005	-	-
PREPDUP	KL015599	-	< 0.005	-	-
PULPDUP	KL015613	-	< 0.005	-	-
PULPDUP	KL015623	-	< 0.005	-	-
PULPDUP	KL015633	-	< 0.005	-	-
PULPDUP	KL015648	-	< 0.005	-	-
PREPDUP	KL015649	-	< 0.005	-	-
PULPDUP	KL015657	-	0.007	-	-



Report No.: A21-21751
Report Date: 23-Nov-21
Date Submitted: 19-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

46 Rock samples were submitted for analysis.

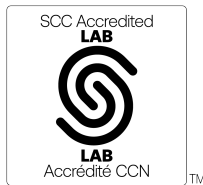
Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

REPORT A21-21751

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL016673	1.74	0.022	-	-
ASSAY	KL016674	3.63	0.029	-	-
ASSAY	KL016675	1.18	< 0.005	-	-
ASSAY	KL016676	1.25	0.013	-	-
ASSAY	KL016677	1.27	6.39	-	-
ASSAY	KL016678	1.19	0.018	-	-
ASSAY	KL016679	2.43	0.016	-	-
ASSAY	KL016680	0.0660	0.845	-	-
ASSAY	KL016681	2.30	0.005	-	-
ASSAY	KL016682	2.43	< 0.005	-	-
ASSAY	KL016683	2.53	0.008	-	-
ASSAY	KL016684	2.48	0.007	-	-
ASSAY	KL016685	2.45	< 0.005	-	-
ASSAY	KL016686	2.24	0.009	-	-
ASSAY	KL016687	1.18	0.006	-	-
ASSAY	KL016688	1.03	1.03	-	-
ASSAY	KL016689	1.17	0.008	-	-
ASSAY	KL016690	1.02	< 0.005	-	-
ASSAY	KL016691	1.30	> 10.0	19.6	-
ASSAY	KL016692	1.17	0.028	-	-
ASSAY	KL016693	1.53	0.014	-	-
ASSAY	KL016694	2.21	< 0.005	-	-
ASSAY	KL016695	2.29	< 0.005	-	-
ASSAY	KL016696	2.63	0.013	-	-
ASSAY	KL016697	2.35	< 0.005	-	-
ASSAY	KL016698	2.70	< 0.005	-	-
ASSAY	KL016699	2.24	< 0.005	-	-
ASSAY	KL016700	0.0660	3.03	-	-
ASSAY	KL016701	2.42	0.007	-	-
ASSAY	KL016702	2.30	< 0.005	-	-
ASSAY	KL016703	2.54	< 0.005	-	-
ASSAY	KL016704	2.59	< 0.005	-	-
ASSAY	KL016705	2.62	< 0.005	-	-
ASSAY	KL016706	2.02	0.018	-	-
ASSAY	KL016707	2.38	0.005	-	-
ASSAY	KL016708	2.25	< 0.005	-	-
ASSAY	KL016709	2.19	< 0.005	-	-
ASSAY	KL016710	1.10	< 0.005	-	-
ASSAY	KL016711	1.18	0.013	-	-
ASSAY	KL016712	1.37	0.046	-	-
ASSAY	KL016713	0.942	0.016	-	-
ASSAY	KL016714	0.463	0.006	-	-
ASSAY	KL016715	2.82	0.009	-	-
ASSAY	KL016716	2.48	0.007	-	-
ASSAY	KL016717	2.25	0.011	-	-
ASSAY	KL016718	2.43	< 0.005	-	-
PULPDUP	KL016682	-	< 0.005	-	-
PULPDUP	KL016692	-	0.027	-	-
PULPDUP	KL016702	-	< 0.005	-	-
PULPDUP	KL016717	-	0.028	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-21931-Au
 Report Date: 26-Nov-21
 Date Submitted: 23-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

14 Rock samples were submitted for analysis.

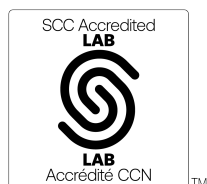
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-11-24 12:38:20
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-11-25 15:00:06
Weight Rpt (kg)-Timmins	Received Weights	2021-11-24 13:34:38

REPORT **A21-21931-Au**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL014233	2140	< 0.005	-	-
ASSAY	KL014234	1350	0.007	-	-
ASSAY	KL014235	1080	0.013	-	-
ASSAY	KL014236	2610	0.008	-	-
ASSAY	KL014237	2510	0.011	-	-
ASSAY	KL014238	1060	1.43	-	-
ASSAY	KL014239	1230	0.007	-	-
ASSAY	KL014240	36.0	0.337	-	-
ASSAY	KL014241	1230	> 10.0	16.1	-
ASSAY	KL014242	1180	0.082	-	-
ASSAY	KL014243	2300	0.012	-	-
ASSAY	KL014244	2370	0.007	-	-
ASSAY	KL014245	2450	0.006	-	-
ASSAY	KL014246	2360	0.005	-	-
PULPDUP	KL014241	-	-	15.8	-



Report No.: A21-21937
Report Date: 13-Jan-22
Date Submitted: 23-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

67 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

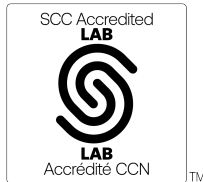
REPORT A21-21937

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Notes:

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

Footnote: no material for sample KL014215.



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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014149	2.33	0.015	-	-
ASSAY	KL014150	1.04	0.016	-	-
ASSAY	KL014151	3.13	0.017	-	-
ASSAY	KL014152	2.42	0.018	-	-
ASSAY	KL014153	2.88	0.019	-	-
ASSAY	KL014154	2.48	0.019	-	-
ASSAY	KL014155	2.61	0.019	-	-
ASSAY	KL014156	2.61	0.067	-	-
ASSAY	KL014157	2.98	0.022	-	-
ASSAY	KL014158	2.40	0.017	-	-
ASSAY	KL014159	2.37	0.022	-	-
ASSAY	KL014160	0.0700	0.356	-	-
ASSAY	KL014161	2.19	0.020	-	-
ASSAY	KL014162	2.98	0.009	-	-
ASSAY	KL014163	1.69	0.009	-	-
ASSAY	KL014164	2.52	< 0.005	-	-
ASSAY	KL014165	1.25	< 0.005	-	-
ASSAY	KL014166	0.962	0.007	-	-
ASSAY	KL014167	1.73	0.005	-	-
ASSAY	KL014168	1.73	< 0.005	-	-
ASSAY	KL014169	1.75	< 0.005	-	-
ASSAY	KL014170	1.08	< 0.005	-	-
ASSAY	KL014171	2.94	< 0.005	-	-
ASSAY	KL014172	2.34	0.012	-	-
ASSAY	KL014173	2.47	0.011	-	-
ASSAY	KL014174	1.23	0.005	-	-
ASSAY	KL014175	1.22	0.011	-	-
ASSAY	KL014176	2.32	< 0.005	-	-
ASSAY	KL014177	2.60	< 0.005	-	-
ASSAY	KL014178	2.16	0.005	-	-
ASSAY	KL014179	2.39	< 0.005	-	-
ASSAY	KL014180	0.0700	0.352	-	-
ASSAY	KL014181	2.40	< 0.005	-	-
ASSAY	KL014182	2.81	< 0.005	-	-
ASSAY	KL014183	1.29	< 0.005	-	-
ASSAY	KL014184	2.86	0.020	-	-
ASSAY	KL014185	2.52	0.019	-	-
ASSAY	KL014186	2.55	0.018	-	-
ASSAY	KL014187	1.13	0.011	-	-
ASSAY	KL014188	1.36	0.072	-	-
ASSAY	KL014189	2.44	0.023	-	-
ASSAY	KL014190	1.13	0.009	-	-
ASSAY	KL014191	2.13	0.007	-	-
ASSAY	KL014192	1.93	0.007	-	-
ASSAY	KL014193	1.85	0.047	-	-
ASSAY	KL014194	0.952	0.186	-	-
ASSAY	KL014195	2.57	0.018	-	-
ASSAY	KL014196	1.20	0.010	-	-
ASSAY	KL014197	1.25	0.005	-	-
ASSAY	KL014198	2.38	< 0.005	-	-
ASSAY	KL014199	1.10	< 0.005	-	-
ASSAY	KL014200	0.0700	0.367	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014201	1.30	0.034	-	-
ASSAY	KL014202	2.52	< 0.005	-	-
ASSAY	KL014203	2.45	0.005	-	-
ASSAY	KL014204	2.23	0.006	-	-
ASSAY	KL014205	2.64	0.006	-	-
ASSAY	KL014206	2.57	0.009	-	-
ASSAY	KL014207	1.34	0.010	-	-
ASSAY	KL014208	3.93	0.007	-	-
ASSAY	KL014209	1.24	0.010	-	-
ASSAY	KL014210	1.24	< 0.005	-	-
ASSAY	KL014211	1.34	< 0.005	-	-
ASSAY	KL014212	2.31	< 0.005	-	-
ASSAY	KL014213	2.87	0.005	-	-
ASSAY	KL014214	2.96	< 0.005	-	-
ASSAY	KL014215	0.000	-	-	-
PULPDUP	KL014158	-	0.017	-	-
PULPDUP	KL014168	-	< 0.005	-	-
PULPDUP	KL014178	-	< 0.005	-	-
PULPDUP	KL014193	-	0.031	-	-
PREPDUP	KL014198	-	0.005	-	-
PULPDUP	KL014202	-	0.006	-	-
PULPDUP	KL014212	-	0.009	-	-



Report No.: A21-21940
Report Date: 04-Jan-22
Date Submitted: 23-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

125 Rock samples were submitted for analysis.

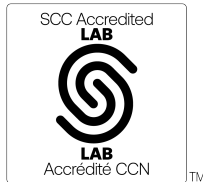
Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A21-21940

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015667	2.47	< 0.005	-	-
ASSAY	KL015668	2.07	< 0.005	-	-
ASSAY	KL015669	2.96	< 0.005	-	-
ASSAY	KL015670	0.0660	0.886	-	-
ASSAY	KL015671	2.41	< 0.005	-	-
ASSAY	KL015672	2.30	< 0.005	-	-
ASSAY	KL015673	1.41	< 0.005	-	-
ASSAY	KL015674	1.86	< 0.005	-	-
ASSAY	KL015675	2.12	< 0.005	-	-
ASSAY	KL015676	2.99	< 0.005	-	-
ASSAY	KL015677	2.17	0.018	-	-
ASSAY	KL015678	2.35	< 0.005	-	-
ASSAY	KL015679	2.57	< 0.005	-	-
ASSAY	KL015680	1.24	< 0.005	-	-
ASSAY	KL015681	2.51	< 0.005	-	-
ASSAY	KL015682	2.33	< 0.005	-	-
ASSAY	KL015683	2.44	0.005	-	-
ASSAY	KL015684	2.33	< 0.005	-	-
ASSAY	KL015685	2.14	0.006	-	-
ASSAY	KL015686	1.05	< 0.005	-	-
ASSAY	KL015687	1.63	0.006	-	-
ASSAY	KL015688	2.23	< 0.005	-	-
ASSAY	KL015689	2.63	< 0.005	-	-
ASSAY	KL015690	0.0660	0.358	-	-
ASSAY	KL015691	2.04	< 0.005	-	-
ASSAY	KL015692	1.76	< 0.005	-	-
ASSAY	KL015693	2.12	< 0.005	-	-
ASSAY	KL015694	1.23	< 0.005	-	-
ASSAY	KL015695	2.60	< 0.005	-	-
ASSAY	KL015696	2.24	< 0.005	-	-
ASSAY	KL015697	2.48	< 0.005	-	-
ASSAY	KL015698	2.08	< 0.005	-	-
ASSAY	KL015699	2.60	< 0.005	-	-
ASSAY	KL015700	1.33	< 0.005	-	-
ASSAY	KL015701	3.02	< 0.005	-	-
ASSAY	KL015702	2.34	< 0.005	-	-
ASSAY	KL015703	2.58	< 0.005	-	-
ASSAY	KL015704	2.75	< 0.005	-	-
ASSAY	KL015705	2.63	< 0.005	-	-
ASSAY	KL015706	1.88	< 0.005	-	-
ASSAY	KL015707	2.38	< 0.005	-	-
ASSAY	KL015708	2.32	< 0.005	-	-
ASSAY	KL015709	2.50	< 0.005	-	-
ASSAY	KL015710	0.0660	3.10	-	-
ASSAY	KL015711	2.76	< 0.005	-	-
ASSAY	KL015712	2.36	< 0.005	-	-
ASSAY	KL015713	1.76	< 0.005	-	-
ASSAY	KL015714	2.47	< 0.005	-	-
ASSAY	KL015715	2.48	< 0.005	-	-
ASSAY	KL015716	2.45	0.011	-	-
ASSAY	KL015717	2.17	< 0.005	-	-
ASSAY	KL015718	2.20	0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015719	2.95	< 0.005	-	-
ASSAY	KL015720	1.18	< 0.005	-	-
ASSAY	KL015721	2.61	< 0.005	-	-
ASSAY	KL015722	2.42	< 0.005	-	-
ASSAY	KL015723	2.08	< 0.005	-	-
ASSAY	KL015724	2.46	< 0.005	-	-
ASSAY	KL015725	2.73	< 0.005	-	-
ASSAY	KL015726	2.08	< 0.005	-	-
ASSAY	KL015727	2.56	< 0.005	-	-
ASSAY	KL015728	1.91	< 0.005	-	-
ASSAY	KL015729	2.32	< 0.005	-	-
ASSAY	KL015730	0.0660	0.342	-	-
ASSAY	KL015731	2.15	< 0.005	-	-
ASSAY	KL015732	2.63	< 0.005	-	-
ASSAY	KL015733	2.28	< 0.005	-	-
ASSAY	KL015734	2.16	< 0.005	-	-
ASSAY	KL015735	1.42	< 0.005	-	-
ASSAY	KL015736	2.11	< 0.005	-	-
ASSAY	KL015737	1.60	< 0.005	-	-
ASSAY	KL015738	2.53	< 0.005	-	-
ASSAY	KL015739	2.59	< 0.005	-	-
ASSAY	KL015740	1.17	< 0.005	-	-
ASSAY	KL015741	2.86	< 0.005	-	-
ASSAY	KL015742	2.41	< 0.005	-	-
ASSAY	KL015743	1.25	< 0.005	-	-
ASSAY	KL015744	1.74	< 0.005	-	-
ASSAY	KL015745	1.75	< 0.005	-	-
ASSAY	KL015746	2.21	< 0.005	-	-
ASSAY	KL015747	2.57	< 0.005	-	-
ASSAY	KL015748	2.27	< 0.005	-	-
ASSAY	KL015749	2.42	< 0.005	-	-
ASSAY	KL015750	0.0660	0.872	-	-
ASSAY	KL015751	2.30	< 0.005	-	-
ASSAY	KL015752	2.15	< 0.005	-	-
ASSAY	KL015753	2.65	< 0.005	-	-
ASSAY	KL015754	2.44	< 0.005	-	-
ASSAY	KL015755	2.63	< 0.005	-	-
ASSAY	KL015756	2.36	< 0.005	-	-
ASSAY	KL015757	2.13	< 0.005	-	-
ASSAY	KL015758	2.07	< 0.005	-	-
ASSAY	KL015759	1.86	< 0.005	-	-
ASSAY	KL015760	1.21	< 0.005	-	-
ASSAY	KL015761	2.46	0.037	-	-
ASSAY	KL015762	2.59	< 0.005	-	-
ASSAY	KL015763	2.33	< 0.005	-	-
ASSAY	KL015764	2.56	< 0.005	-	-
ASSAY	KL015765	2.60	< 0.005	-	-
ASSAY	KL015766	2.29	< 0.005	-	-
ASSAY	KL015767	2.87	< 0.005	-	-
ASSAY	KL015768	2.37	< 0.005	-	-
ASSAY	KL015769	1.90	0.083	-	-
ASSAY	KL015770	0.0660	3.09	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015771	2.43	< 0.005	-	-
ASSAY	KL015772	2.39	0.059	-	-
ASSAY	KL015773	1.99	< 0.005	-	-
ASSAY	KL015774	1.86	0.012	-	-
ASSAY	KL015775	3.04	0.011	-	-
ASSAY	KL015776	1.75	0.009	-	-
ASSAY	KL015777	2.24	0.010	-	-
ASSAY	KL015778	2.93	0.010	-	-
ASSAY	KL015779	2.00	0.012	-	-
ASSAY	KL015780	1.18	0.006	-	-
ASSAY	KL015781	2.13	< 0.005	-	-
ASSAY	KL015782	2.55	< 0.005	-	-
ASSAY	KL015783	1.77	< 0.005	-	-
ASSAY	KL015784	2.01	< 0.005	-	-
ASSAY	KL015785	1.96	< 0.005	-	-
ASSAY	KL015786	2.30	< 0.005	-	-
ASSAY	KL015787	2.35	< 0.005	-	-
ASSAY	KL015788	2.49	< 0.005	-	-
ASSAY	KL015789	2.55	< 0.005	-	-
ASSAY	KL015790	0.0660	0.343	-	-
ASSAY	KL015791	2.29	< 0.005	-	-
PULPDUP	KL015673	-	< 0.005	-	-
PULPDUP	KL015683	-	< 0.005	-	-
PULPDUP	KL015693	-	< 0.005	-	-
PULPDUP	KL015713	-	< 0.005	-	-
PREPDUP	KL015716	-	< 0.005	-	-
PULPDUP	KL015722	-	< 0.005	-	-
PULPDUP	KL015732	-	< 0.005	-	-
PULPDUP	KL015737	-	< 0.005	-	-
PULPDUP	KL015752	-	< 0.005	-	-
PULPDUP	KL015762	-	< 0.005	-	-
PREPDUP	KL015766	-	< 0.005	-	-
PULPDUP	KL015775	-	0.008	-	-
PULPDUP	KL015791	-	< 0.005	-	-



Report No.: A21-22108
Report Date: 25-Jan-22
Date Submitted: 25-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

51 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A21-22108

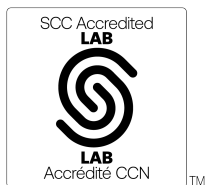
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Notes:

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

Footnote: Sample KL014233, KL014234 to KL014246 belong to A21-21931.

Footnote: no material for sample KL014234-KL014247.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014216	1.26	0.017	-	-
ASSAY	KL014217	2.76	0.027	-	-
ASSAY	KL014218	1.19	0.066	-	-
ASSAY	KL014219	1.21	0.058	-	-
ASSAY	KL014220	0.0660	0.348	-	-
ASSAY	KL014221	2.22	0.018	-	-
ASSAY	KL014222	2.41	0.038	-	-
ASSAY	KL014223	2.62	0.012	-	-
ASSAY	KL014224	2.51	0.024	-	-
ASSAY	KL014225	2.65	0.005	-	-
ASSAY	KL014226	2.62	0.013	-	-
ASSAY	KL014227	2.27	0.015	-	-
ASSAY	KL014228	2.53	0.010	-	-
ASSAY	KL014229	2.29	0.005	-	-
ASSAY	KL014230	1.31	< 0.005	-	-
ASSAY	KL014231	2.24	< 0.005	-	-
ASSAY	KL014232	2.30	< 0.005	-	-
ASSAY	KL014233	0.000	< 0.005	-	-
ASSAY	KL014234	0.000	-	-	-
ASSAY	KL014235	0.000	-	-	-
ASSAY	KL014236	0.000	-	-	-
ASSAY	KL014237	0.000	-	-	-
ASSAY	KL014238	0.000	-	-	-
ASSAY	KL014239	0.000	-	-	-
ASSAY	KL014240	0.000	-	-	-
ASSAY	KL014241	0.000	-	-	-
ASSAY	KL014242	0.000	-	-	-
ASSAY	KL014243	0.000	-	-	-
ASSAY	KL014244	0.000	-	-	-
ASSAY	KL014245	0.000	-	-	-
ASSAY	KL014246	0.000	-	-	-
ASSAY	KL014247	2.41	-	-	-
ASSAY	KL014248	2.86	< 0.005	-	-
ASSAY	KL014249	2.50	< 0.005	-	-
ASSAY	KL014250	1.36	< 0.005	-	-
ASSAY	KL014251	2.54	< 0.005	-	-
ASSAY	KL014252	2.42	< 0.005	-	-
ASSAY	KL014253	2.46	< 0.005	-	-
ASSAY	KL014254	2.54	0.018	-	-
ASSAY	KL014255	2.40	0.024	-	-
ASSAY	KL014256	2.46	< 0.005	-	-
ASSAY	KL014257	2.67	< 0.005	-	-
ASSAY	KL014258	2.54	0.005	-	-
ASSAY	KL014259	2.27	< 0.005	-	-
ASSAY	KL014260	0.0660	0.345	-	-
ASSAY	KL014261	2.36	< 0.005	-	-
ASSAY	KL014262	2.54	< 0.005	-	-
ASSAY	KL014263	2.28	< 0.005	-	-
ASSAY	KL014264	2.66	< 0.005	-	-
ASSAY	KL014265	1.18	0.007	-	-
ASSAY	KL014266	0.877	< 0.005	-	-
PULPDUP	KL014225	-	0.007	-	-

Results**Activation Laboratories Ltd.****Report: A21-22108**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL014249	-	< 0.005	-	-
PULPDUP	KL014259	-	< 0.005	-	-
PREPDUP	KL014265	-	0.006	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22109
 Report Date: 19-Jan-22
 Date Submitted: 25-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

142 Rock samples were submitted for analysis.

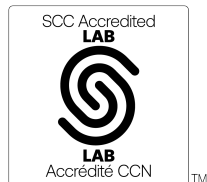
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-01-19 08:35:14
Weight Rpt (kg)-Timmins	Received Weights	2022-01-19 11:45:07

REPORT **A21-22109**

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Notes:

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



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015792	2.58	0.008	-	-
ASSAY	KL015793	2.31	< 0.005	-	-
ASSAY	KL015794	1.95	0.006	-	-
ASSAY	KL015795	2.31	< 0.005	-	-
ASSAY	KL015796	2.40	< 0.005	-	-
ASSAY	KL015797	1.75	< 0.005	-	-
ASSAY	KL015798	1.06	0.007	-	-
ASSAY	KL015799	2.48	0.013	-	-
ASSAY	KL015800	1.22	0.006	-	-
ASSAY	KL015801	2.26	0.030	-	-
ASSAY	KL015802	2.74	0.005	-	-
ASSAY	KL015803	2.01	0.009	-	-
ASSAY	KL015804	2.20	0.011	-	-
ASSAY	KL015805	2.78	0.008	-	-
ASSAY	KL015806	2.24	0.007	-	-
ASSAY	KL015807	1.55	< 0.005	-	-
ASSAY	KL015808	1.75	0.008	-	-
ASSAY	KL015809	1.35	0.019	-	-
ASSAY	KL015810	0.0660	0.878	-	-
ASSAY	KL015811	2.38	0.007	-	-
ASSAY	KL015812	2.33	< 0.005	-	-
ASSAY	KL015813	2.10	< 0.005	-	-
ASSAY	KL015814	2.48	0.009	-	-
ASSAY	KL015815	2.40	0.005	-	-
ASSAY	KL015816	2.16	0.062	-	-
ASSAY	KL015817	2.30	< 0.005	-	-
ASSAY	KL015818	1.24	0.006	-	-
ASSAY	KL015819	0.958	< 0.005	-	-
ASSAY	KL015820	1.47	< 0.005	-	-
ASSAY	KL015917	2.38	< 0.005	-	-
ASSAY	KL015918	1.99	< 0.005	-	-
ASSAY	KL015919	2.63	< 0.005	-	-
ASSAY	KL015920	1.32	0.005	-	-
ASSAY	KL015921	2.00	< 0.005	-	-
ASSAY	KL015922	2.54	< 0.005	-	-
ASSAY	KL015923	2.51	< 0.005	-	-
ASSAY	KL015924	2.37	< 0.005	-	-
ASSAY	KL015925	2.28	0.006	-	-
ASSAY	KL015926	2.38	0.005	-	-
ASSAY	KL015927	1.64	0.032	-	-
ASSAY	KL015928	3.04	0.008	-	-
ASSAY	KL015929	2.14	0.012	-	-
ASSAY	KL015930	0.0660	3.14	-	-
ASSAY	KL015931	2.47	0.010	-	-
ASSAY	KL015932	2.10	< 0.005	-	-
ASSAY	KL015933	2.16	< 0.005	-	-
ASSAY	KL015934	2.51	0.007	-	-
ASSAY	KL015935	2.32	0.005	-	-
ASSAY	KL015936	2.66	< 0.005	-	-
ASSAY	KL015937	2.27	0.007	-	-
ASSAY	KL015938	2.48	0.005	-	-
ASSAY	KL015939	2.30	0.007	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL015940	1.24	0.006	-	-
ASSAY	KL015941	2.14	0.006	-	-
ASSAY	KL015942	2.52	0.019	-	-
ASSAY	KL015943	2.95	0.012	-	-
ASSAY	KL015944	1.73	0.007	-	-
ASSAY	KL015945	2.31	0.008	-	-
ASSAY	KL015946	2.84	< 0.005	-	-
ASSAY	KL015947	2.19	0.027	-	-
ASSAY	KL015999	2.58	< 0.005	-	-
ASSAY	KL016000	1.36	0.006	-	-
ASSAY	KL016051	2.21	0.007	-	-
ASSAY	KL016052	2.48	0.007	-	-
ASSAY	KL016053	2.78	< 0.005	-	-
ASSAY	KL016054	2.31	0.008	-	-
ASSAY	KL016055	2.26	0.008	-	-
ASSAY	KL016056	1.99	< 0.005	-	-
ASSAY	KL016057	0.989	0.054	-	-
ASSAY	KL016058	1.29	0.007	-	-
ASSAY	KL016059	1.89	0.005	-	-
ASSAY	KL016060	0.0660	0.334	-	-
ASSAY	KL016061	2.74	0.005	-	-
ASSAY	KL016062	2.34	0.007	-	-
ASSAY	KL016063	2.84	0.006	-	-
ASSAY	KL016064	2.09	0.007	-	-
ASSAY	KL016065	2.59	0.006	-	-
ASSAY	KL016066	2.23	< 0.005	-	-
ASSAY	KL016067	2.14	< 0.005	-	-
ASSAY	KL016068	2.41	< 0.005	-	-
ASSAY	KL016069	2.48	< 0.005	-	-
ASSAY	KL016070	1.31	< 0.005	-	-
ASSAY	KL016071	2.34	< 0.005	-	-
ASSAY	KL016072	2.56	0.005	-	-
ASSAY	KL016073	2.75	0.014	-	-
ASSAY	KL016074	1.87	0.009	-	-
ASSAY	KL016075	2.40	0.006	-	-
ASSAY	KL016076	2.62	< 0.005	-	-
ASSAY	KL016077	2.42	0.005	-	-
ASSAY	KL016078	2.42	0.009	-	-
ASSAY	KL016079	2.33	< 0.005	-	-
ASSAY	KL016080	0.0660	0.764	-	-
ASSAY	KL016081	2.73	< 0.005	-	-
ASSAY	KL016082	1.50	< 0.005	-	-
ASSAY	KL016083	1.85	< 0.005	-	-
ASSAY	KL016084	2.70	< 0.005	-	-
ASSAY	KL016085	1.29	< 0.005	-	-
ASSAY	KL016086	1.66	< 0.005	-	-
ASSAY	KL016087	1.69	0.005	-	-
ASSAY	KL016088	2.13	< 0.005	-	-
ASSAY	KL016089	2.33	< 0.005	-	-
ASSAY	KL016090	1.16	< 0.005	-	-
ASSAY	KL016091	2.47	< 0.005	-	-
ASSAY	KL016092	2.23	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016093	2.54	< 0.005	-	-
ASSAY	KL016094	2.57	< 0.005	-	-
ASSAY	KL016095	2.54	0.005	-	-
ASSAY	KL016096	1.96	< 0.005	-	-
ASSAY	KL016097	2.02	< 0.005	-	-
ASSAY	KL016098	2.52	< 0.005	-	-
ASSAY	KL016099	2.39	< 0.005	-	-
ASSAY	KL016100	0.0660	3.13	-	-
ASSAY	KL016101	2.18	< 0.005	-	-
ASSAY	KL016102	2.42	0.015	-	-
ASSAY	KL016103	2.35	< 0.005	-	-
ASSAY	KL016104	2.19	< 0.005	-	-
ASSAY	KL016105	2.09	< 0.005	-	-
ASSAY	KL016106	2.38	< 0.005	-	-
ASSAY	KL016107	2.35	< 0.005	-	-
ASSAY	KL016108	2.49	< 0.005	-	-
ASSAY	KL016109	2.27	0.021	-	-
ASSAY	KL016110	1.35	< 0.005	-	-
ASSAY	KL016111	2.07	< 0.005	-	-
ASSAY	KL016112	2.27	< 0.005	-	-
ASSAY	KL016113	2.35	< 0.005	-	-
ASSAY	KL016114	2.25	< 0.005	-	-
ASSAY	KL016115	2.40	< 0.005	-	-
ASSAY	KL016160	0.0660	3.04	-	-
ASSAY	KL016161	2.51	0.012	-	-
ASSAY	KL016162	2.14	< 0.005	-	-
ASSAY	KL016163	2.63	0.018	-	-
ASSAY	KL016164	1.60	0.050	-	-
ASSAY	KL016165	2.30	< 0.005	-	-
ASSAY	KL016166	2.13	< 0.005	-	-
ASSAY	KL016167	2.28	< 0.005	-	-
ASSAY	KL016168	2.30	0.012	-	-
ASSAY	KL016169	2.26	< 0.005	-	-
ASSAY	KL016170	1.26	< 0.005	-	-
ASSAY	KL016171	2.45	< 0.005	-	-
ASSAY	KL016172	1.92	0.009	-	-
ASSAY	KL016173	1.57	< 0.005	-	-
ASSAY	KL016174	2.10	0.008	-	-
PULPDUP	KL015801	-	0.018	-	-
PULPDUP	KL015811	-	0.007	-	-
PULPDUP	KL015820	-	< 0.005	-	-
PULPDUP	KL015931	-	0.008	-	-
PREPDUP	KL015937	-	0.008	-	-
PULPDUP	KL015938	-	0.008	-	-
PULPDUP	KL015947	-	< 0.005	-	-
PULPDUP	KL016063	-	0.005	-	-
PULPDUP	KL016072	-	< 0.005	-	-
PULPDUP	KL016081	-	0.005	-	-
PREPDUP	KL016088	-	< 0.005	-	-
PULPDUP	KL016094	-	< 0.005	-	-
PULPDUP	KL016104	-	< 0.005	-	-
PULPDUP	KL016113	-	< 0.005	-	-

Results**Activation Laboratories Ltd.****Report: A21-22109**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE	Wgt	Au	Au	Au
DESCRIPTION		Kg	g/mt		
PULPDUP	KL016171	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22329-Au
 Report Date: 08-Feb-22
 Date Submitted: 30-Nov-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

148 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-01-24 07:24:18
Weight Rpt (kg)-Timmins	Received Weights	2022-02-08 09:53:41

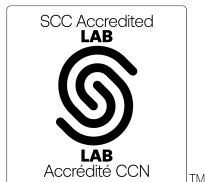
REPORT **A21-22329-Au**

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Notes:

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

Footnote: no material for sample KL009954.



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016175	1.94	0.017	-	-
ASSAY	KL016176	2.32	0.015	-	-
ASSAY	KL016177	2.14	0.030	-	-
ASSAY	KL016178	2.26	0.019	-	-
ASSAY	KL016179	2.16	0.048	-	-
ASSAY	KL016180	0.0660	0.367	-	-
ASSAY	KL016181	2.37	0.012	-	-
ASSAY	KL016182	2.26	< 0.005	-	-
ASSAY	KL016183	2.29	< 0.005	-	-
ASSAY	KL016184	2.44	< 0.005	-	-
ASSAY	KL016185	2.44	< 0.005	-	-
ASSAY	KL016186	2.41	< 0.005	-	-
ASSAY	KL016187	2.00	< 0.005	-	-
ASSAY	KL016188	2.63	< 0.005	-	-
ASSAY	KL016189	2.22	< 0.005	-	-
ASSAY	KL016190	1.46	< 0.005	-	-
ASSAY	KL016191	2.37	< 0.005	-	-
ASSAY	KL016192	2.57	< 0.005	-	-
ASSAY	KL016193	1.46	< 0.005	-	-
ASSAY	KL016194	2.18	< 0.005	-	-
ASSAY	KL016195	2.86	< 0.005	-	-
ASSAY	KL016196	2.31	< 0.005	-	-
ASSAY	KL016197	1.56	< 0.005	-	-
ASSAY	KL016198	3.14	< 0.005	-	-
ASSAY	KL016199	1.85	0.005	-	-
ASSAY	KL016200	0.0660	0.812	-	-
ASSAY	KL016201	1.30	0.035	-	-
ASSAY	KL016202	1.45	0.005	-	-
ASSAY	KL016203	1.95	< 0.005	-	-
ASSAY	KL016204	2.07	< 0.005	-	-
ASSAY	KL016205	2.10	< 0.005	-	-
ASSAY	KL016206	2.56	< 0.005	-	-
ASSAY	KL016207	2.16	< 0.005	-	-
ASSAY	KL016208	1.93	< 0.005	-	-
ASSAY	KL016209	2.38	< 0.005	-	-
ASSAY	KL016210	1.43	< 0.005	-	-
ASSAY	KL016211	2.56	< 0.005	-	-
ASSAY	KL016212	2.50	< 0.005	-	-
ASSAY	KL016213	2.15	0.036	-	-
ASSAY	KL016214	1.28	0.017	-	-
ASSAY	KL016215	1.34	< 0.005	-	-
ASSAY	KL016216	2.12	0.025	-	-
ASSAY	KL016217	1.70	0.009	-	-
ASSAY	KL016244	2.50	< 0.005	-	-
ASSAY	KL016245	2.35	< 0.005	-	-
ASSAY	KL016246	2.49	0.063	-	-
ASSAY	KL016247	2.21	< 0.005	-	-
ASSAY	KL016248	2.31	< 0.005	-	-
ASSAY	KL016249	1.22	0.007	-	-
ASSAY	KL016250	1.44	< 0.005	-	-
ASSAY	KL016251	1.03	< 0.005	-	-
ASSAY	KL016252	2.27	0.022	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016253	2.87	< 0.005	-	-
ASSAY	KL016254	2.06	< 0.005	-	-
ASSAY	KL016255	2.22	0.138	-	-
ASSAY	KL016256	2.36	< 0.005	-	-
ASSAY	KL016257	1.68	< 0.005	-	-
ASSAY	KL016258	2.37	0.007	-	-
ASSAY	KL016259	2.17	< 0.005	-	-
ASSAY	KL016260	0.0660	0.766	-	-
ASSAY	KL016261	2.56	0.021	-	-
ASSAY	KL016262	2.20	< 0.005	-	-
ASSAY	KL016263	2.72	< 0.005	-	-
ASSAY	KL016264	2.48	0.006	-	-
ASSAY	KL016265	1.94	< 0.005	-	-
ASSAY	KL016266	2.23	0.008	-	-
ASSAY	KL016267	2.49	0.007	-	-
ASSAY	KL016268	2.25	0.009	-	-
ASSAY	KL016269	1.08	0.032	-	-
ASSAY	KL016270	1.36	0.006	-	-
ASSAY	KL016271	1.15	0.047	-	-
ASSAY	KL016272	2.45	0.010	-	-
ASSAY	KL016273	2.13	0.015	-	-
ASSAY	KL016274	2.32	0.011	-	-
ASSAY	KL016275	2.38	0.009	-	-
ASSAY	KL016276	2.63	0.010	-	-
ASSAY	KL016277	2.55	< 0.005	-	-
ASSAY	KL016278	2.27	< 0.005	-	-
ASSAY	KL016279	2.66	0.008	-	-
ASSAY	KL016280	0.0660	2.99	-	-
ASSAY	KL016281	1.28	0.013	-	-
ASSAY	KL016282	1.62	0.044	-	-
ASSAY	KL016283	1.99	0.006	-	-
ASSAY	KL016284	2.27	< 0.005	-	-
ASSAY	KL016285	1.94	< 0.005	-	-
ASSAY	KL016286	1.92	< 0.005	-	-
ASSAY	KL016287	1.17	< 0.005	-	-
ASSAY	KL016288	2.32	< 0.005	-	-
ASSAY	KL016289	2.27	< 0.005	-	-
ASSAY	KL016290	1.32	< 0.005	-	-
ASSAY	KL016291	2.34	0.006	-	-
ASSAY	KL016292	2.10	< 0.005	-	-
ASSAY	KL016293	2.38	0.013	-	-
ASSAY	KL016294	2.38	0.037	-	-
ASSAY	KL016295	3.48	< 0.005	-	-
ASSAY	KL016296	2.46	0.006	-	-
ASSAY	KL016297	2.15	< 0.005	-	-
ASSAY	KL016298	2.49	0.010	-	-
ASSAY	KL016299	2.46	< 0.005	-	-
ASSAY	KL016300	0.0660	0.342	-	-
ASSAY	KL016301	2.24	0.005	-	-
ASSAY	KL016302	2.60	0.007	-	-
ASSAY	KL016303	2.56	0.009	-	-
ASSAY	KL016304	2.35	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016305	2.76	< 0.005	-	-
ASSAY	KL016306	1.75	0.006	-	-
ASSAY	KL016307	1.23	< 0.005	-	-
ASSAY	KL016308	1.95	0.028	-	-
ASSAY	KL016309	1.99	0.005	-	-
ASSAY	KL016310	1.34	< 0.005	-	-
ASSAY	KL016311	2.31	0.005	-	-
ASSAY	KL016312	2.24	< 0.005	-	-
ASSAY	KL016313	3.21	0.005	-	-
ASSAY	KL016314	2.37	0.012	-	-
ASSAY	KL016315	2.67	0.005	-	-
ASSAY	KL016316	2.56	0.005	-	-
ASSAY	KL016317	2.55	0.009	-	-
ASSAY	KL016318	2.37	0.005	-	-
ASSAY	KL016365	2.41	0.006	-	-
ASSAY	KL016366	2.36	0.006	-	-
ASSAY	KL016367	2.49	0.008	-	-
ASSAY	KL016368	2.19	0.007	-	-
ASSAY	KL016369	2.53	0.007	-	-
ASSAY	KL016370	1.33	0.006	-	-
ASSAY	KL016371	2.71	0.010	-	-
ASSAY	KL016372	2.32	0.091	-	-
ASSAY	KL016373	2.48	0.009	-	-
ASSAY	KL016374	2.54	0.007	-	-
ASSAY	KL016375	2.54	0.008	-	-
ASSAY	KL016376	2.86	0.007	-	-
ASSAY	KL016377	2.80	0.020	-	-
ASSAY	KL016378	2.62	0.008	-	-
ASSAY	KL016379	2.21	< 0.005	-	-
ASSAY	KL016380	0.0660	0.339	-	-
ASSAY	KL016381	3.21	< 0.005	-	-
ASSAY	KL016382	2.50	0.006	-	-
ASSAY	KL016383	2.12	< 0.005	-	-
ASSAY	KL016384	2.69	< 0.005	-	-
ASSAY	KL016385	2.28	0.095	-	-
ASSAY	KL016386	2.75	< 0.005	-	-
ASSAY	KL016387	2.19	0.007	-	-
ASSAY	KL009951	0.608	0.006	-	-
ASSAY	KL009952	0.513	0.009	-	-
ASSAY	KL009953	0.503	0.010	-	-
ASSAY	KL009954	0.000	-	-	-
ASSAY	KL009955	1.12	0.009	-	-
ASSAY	KL009956	0.519	0.007	-	-
ASSAY	KL009957	0.578	0.006	-	-
PULPDUP	KL016184	-	< 0.005	-	-
PULPDUP	KL016194	-	< 0.005	-	-
PULPDUP	KL016204	-	< 0.005	-	-
PULPDUP	KL016245	-	< 0.005	-	-
PREPDUP	KL016250	-	< 0.005	-	-
PULPDUP	KL016254	-	< 0.005	-	-
PULPDUP	KL016264	-	0.008	-	-
PULPDUP	KL016279	-	0.007	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL016289	-	< 0.005	-	-
PULPDUP	KL016298	-	0.009	-	-
PREPDUP	KL016299	-	0.007	-	-
PULPDUP	KL016313	-	0.005	-	-
PULPDUP	KL016369	-	0.009	-	-
PULPDUP	KL016379	-	0.005	-	-
PULPDUP	KL009957	-	0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22410
 Report Date: 08-Dec-21
 Date Submitted: 01-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

82 Rock samples were submitted for analysis.

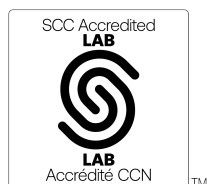
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-06 07:14:36
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-07 15:19:19
Weight Rpt (kg)-Timmins	Received Weights	2021-12-01 15:43:14

REPORT **A21-22410**

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Notes:

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



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL016936	2.08	< 0.005	-	-
ASSAY	KL016937	2.03	< 0.005	-	-
ASSAY	KL016938	2.14	< 0.005	-	-
ASSAY	KL016939	2.24	0.022	-	-
ASSAY	KL016940	0.0660	0.340	-	-
ASSAY	KL016941	1.59	< 0.005	-	-
ASSAY	KL016942	1.89	0.025	-	-
ASSAY	KL016943	2.15	0.018	-	-
ASSAY	KL016944	1.04	0.287	-	-
ASSAY	KL016945	1.34	0.169	-	-
ASSAY	KL016946	1.90	0.055	-	-
ASSAY	KL016947	2.13	0.019	-	-
ASSAY	KL016948	2.40	0.008	-	-
ASSAY	KL016949	2.17	0.013	-	-
ASSAY	KL016950	1.44	< 0.005	-	-
ASSAY	KL016951	2.01	0.006	-	-
ASSAY	KL016952	2.26	< 0.005	-	-
ASSAY	KL016953	2.14	< 0.005	-	-
ASSAY	KL016954	2.17	< 0.005	-	-
ASSAY	KL016955	2.52	< 0.005	-	-
ASSAY	KL016956	2.18	0.015	-	-
ASSAY	KL016957	1.10	0.229	-	-
ASSAY	KL016958	1.12	< 0.005	-	-
ASSAY	KL016959	0.916	0.018	-	-
ASSAY	KL016960	0.0660	3.00	-	-
ASSAY	KL016961	1.03	0.041	-	-
ASSAY	KL016962	2.38	< 0.005	-	-
ASSAY	KL016963	2.11	0.045	-	-
ASSAY	KL016964	1.90	< 0.005	-	-
ASSAY	KL016965	2.16	< 0.005	-	-
ASSAY	KL016966	2.15	0.005	-	-
ASSAY	KL016967	1.11	0.041	-	-
ASSAY	KL016968	0.927	0.860	-	-
ASSAY	KL016969	1.32	7.16	-	-
ASSAY	KL016970	1.34	< 0.005	-	-
ASSAY	KL016971	1.27	0.811	-	-
ASSAY	KL016972	1.03	5.04	-	-
ASSAY	KL016973	1.15	0.862	-	-
ASSAY	KL016974	1.75	0.023	-	-
ASSAY	KL016975	1.06	0.345	-	-
ASSAY	KL016976	0.939	0.012	-	-
ASSAY	KL016977	2.20	< 0.005	-	-
ASSAY	KL016978	1.07	< 0.005	-	-
ASSAY	KL016979	0.999	0.006	-	-
ASSAY	KL016980	0.0660	0.751	-	-
ASSAY	KL016981	1.90	< 0.005	-	-
ASSAY	KL016982	1.11	< 0.005	-	-
ASSAY	KL016983	1.00	1.16	-	-
ASSAY	KL016984	1.05	0.173	-	-
ASSAY	KL016985	1.16	0.014	-	-
ASSAY	KL016986	1.04	0.961	-	-
ASSAY	KL016987	0.992	0.010	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL016988	2.15	0.014	-	-
ASSAY	KL016989	0.930	0.669	-	-
ASSAY	KL016990	1.44	< 0.005	-	-
ASSAY	KL016991	1.09	0.005	-	-
ASSAY	KL016992	1.01	1.53	-	-
ASSAY	KL016993	0.977	0.166	-	-
ASSAY	KL016994	1.14	0.064	-	-
ASSAY	KL016995	1.02	> 10.0	51.9	-
ASSAY	KL016996	2.07	0.441	-	-
ASSAY	KL016997	0.981	0.189	-	-
ASSAY	KL016998	1.04	0.007	-	-
ASSAY	KL016999	2.12	0.032	-	-
ASSAY	KL017000	0.0660	0.325	-	-
ASSAY	KL017001	2.12	0.025	-	-
ASSAY	KL017002	2.07	0.021	-	-
ASSAY	KL017003	1.77	< 0.005	-	-
ASSAY	KL017004	2.08	< 0.005	-	-
ASSAY	KL017005	2.14	0.006	-	-
ASSAY	KL017006	2.60	< 0.005	-	-
ASSAY	KL017007	1.29	< 0.005	-	-
ASSAY	KL017008	2.24	0.019	-	-
ASSAY	KL017009	1.07	0.009	-	-
ASSAY	KL017010	1.39	< 0.005	-	-
ASSAY	KL017011	1.10	2.03	-	-
ASSAY	KL017012	1.93	0.017	-	-
ASSAY	KL017013	2.17	0.005	-	-
ASSAY	KL017014	1.91	< 0.005	-	-
ASSAY	KL017015	1.12	< 0.005	-	-
ASSAY	KL017016	0.993	1.36	-	-
ASSAY	KL017017	2.11	< 0.005	-	-
PULPDUP	KL016945	-	0.221	-	-
PULPDUP	KL016955	-	0.019	-	-
PULPDUP	KL016965	-	< 0.005	-	-
PULPDUP	KL016981	-	< 0.005	-	-
PREPDUP	KL016985	-	< 0.005	-	-
PULPDUP	KL016989	-	0.608	-	-
PULPDUP	KL016999	-	0.030	-	-
PULPDUP	KL017014	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22519
 Report Date: 08-Dec-21
 Date Submitted: 03-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

39 Rock samples were submitted for analysis.

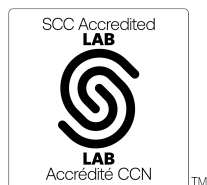
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-06 07:14:36
Weight Rpt (kg)-Timmins	Received Weights	2021-12-07 15:26:09

REPORT **A21-22519**

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Notes:

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



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017055	2.25	0.017	-	-
ASSAY	KL017056	2.20	0.009	-	-
ASSAY	KL017057	2.53	0.006	-	-
ASSAY	KL017058	2.43	0.006	-	-
ASSAY	KL017059	2.35	0.006	-	-
ASSAY	KL017060	0.0660	0.338	-	-
ASSAY	KL017061	2.32	0.008	-	-
ASSAY	KL017062	2.72	0.007	-	-
ASSAY	KL017063	2.46	0.006	-	-
ASSAY	KL017064	2.36	0.076	-	-
ASSAY	KL017065	2.20	0.015	-	-
ASSAY	KL017066	2.38	0.016	-	-
ASSAY	KL017067	1.38	0.234	-	-
ASSAY	KL017068	1.15	1.85	-	-
ASSAY	KL017069	1.18	0.019	-	-
ASSAY	KL017070	1.28	< 0.005	-	-
ASSAY	KL017071	1.20	0.092	-	-
ASSAY	KL017072	1.18	0.207	-	-
ASSAY	KL017073	0.810	0.012	-	-
ASSAY	KL017074	1.24	0.362	-	-
ASSAY	KL017075	1.06	0.014	-	-
ASSAY	KL017076	2.36	0.006	-	-
ASSAY	KL017077	2.17	0.012	-	-
ASSAY	KL017078	2.15	0.011	-	-
ASSAY	KL017079	2.34	0.005	-	-
ASSAY	KL017080	0.0660	3.12	-	-
ASSAY	KL017081	2.17	0.012	-	-
ASSAY	KL017082	2.24	0.017	-	-
ASSAY	KL017083	2.40	0.006	-	-
ASSAY	KL017084	2.14	0.014	-	-
ASSAY	KL017085	2.12	0.005	-	-
ASSAY	KL017086	2.33	0.017	-	-
ASSAY	KL017087	2.17	0.006	-	-
ASSAY	KL017088	2.07	0.012	-	-
ASSAY	KL017089	2.49	0.026	-	-
ASSAY	KL017090	1.02	0.006	-	-
ASSAY	KL017091	2.58	0.009	-	-
ASSAY	KL017092	1.21	0.118	-	-
ASSAY	KL017093	1.10	0.009	-	-
PULPDUP	KL017061	-	0.009	-	-
PULPDUP	KL017071	-	0.074	-	-
PULPDUP	KL017081	-	0.008	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22532
 Report Date: 14-Jan-22
 Date Submitted: 03-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

101 Rock samples were submitted for analysis.

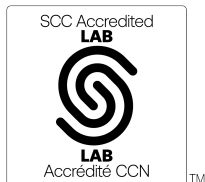
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-01-11 20:10:33
Weight Rpt (kg)-Timmins	Received Weights	2021-12-28 10:01:37

REPORT **A21-22532**

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
 1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
 TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016388	1.38	0.017	-	-
ASSAY	KL016389	1.72	0.016	-	-
ASSAY	KL016390	1.45	< 0.005	-	-
ASSAY	KL016391	1.86	0.016	-	-
ASSAY	KL016392	1.29	0.022	-	-
ASSAY	KL016393	1.13	0.018	-	-
ASSAY	KL016394	1.24	0.018	-	-
ASSAY	KL016395	1.07	0.017	-	-
ASSAY	KL016396	1.26	0.019	-	-
ASSAY	KL016397	2.09	0.024	-	-
ASSAY	KL016398	2.20	0.020	-	-
ASSAY	KL016399	2.13	0.022	-	-
ASSAY	KL016400	0.0660	3.04	-	-
ASSAY	KL016401	2.62	0.013	-	-
ASSAY	KL016402	1.93	0.009	-	-
ASSAY	KL016403	2.38	0.010	-	-
ASSAY	KL016404	2.54	0.016	-	-
ASSAY	KL016405	2.12	0.010	-	-
ASSAY	KL016406	1.95	0.013	-	-
ASSAY	KL016407	1.77	0.013	-	-
ASSAY	KL016408	2.11	0.013	-	-
ASSAY	KL016409	2.23	0.014	-	-
ASSAY	KL016410	1.45	< 0.005	-	-
ASSAY	KL016411	2.10	0.018	-	-
ASSAY	KL016412	2.20	0.018	-	-
ASSAY	KL016413	2.16	0.018	-	-
ASSAY	KL016414	2.09	0.020	-	-
ASSAY	KL016415	2.33	0.023	-	-
ASSAY	KL016416	0.000	-	-	-
ASSAY	KL016464	2.02	0.021	-	-
ASSAY	KL016465	2.29	0.023	-	-
ASSAY	KL016466	1.17	0.024	-	-
ASSAY	KL016467	1.04	0.026	-	-
ASSAY	KL016468	1.17	0.025	-	-
ASSAY	KL016469	1.26	0.026	-	-
ASSAY	KL016470	1.34	< 0.005	-	-
ASSAY	KL016471	2.32	0.025	-	-
ASSAY	KL016472	2.17	0.025	-	-
ASSAY	KL016473	2.39	0.027	-	-
ASSAY	KL016474	2.24	0.026	-	-
ASSAY	KL016475	2.20	0.025	-	-
ASSAY	KL016476	2.12	0.027	-	-
ASSAY	KL016477	2.21	0.026	-	-
ASSAY	KL016478	2.30	0.026	-	-
ASSAY	KL016479	2.27	0.027	-	-
ASSAY	KL016480	0.0660	0.749	-	-
ASSAY	KL016481	1.59	0.029	-	-
ASSAY	KL016482	3.34	0.026	-	-
ASSAY	KL016483	2.02	< 0.005	-	-
ASSAY	KL016484	2.33	< 0.005	-	-
ASSAY	KL016485	2.08	3.65	-	-
ASSAY	KL016486	2.16	0.033	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016487	1.95	0.017	-	-
ASSAY	KL016488	1.86	0.032	-	-
ASSAY	KL016489	1.39	0.031	-	-
ASSAY	KL016490	1.25	< 0.005	-	-
ASSAY	KL016491	0.942	0.030	-	-
ASSAY	KL016492	2.26	0.061	-	-
ASSAY	KL016493	2.20	0.035	-	-
ASSAY	KL016494	2.14	< 0.005	-	-
ASSAY	KL016495	1.99	0.013	-	-
ASSAY	KL016496	1.78	0.013	-	-
ASSAY	KL016497	2.16	0.007	-	-
ASSAY	KL016498	2.36	< 0.005	-	-
ASSAY	KL016499	1.23	0.008	-	-
ASSAY	KL016500	0.0660	0.324	-	-
ASSAY	KL016501	0.863	0.006	-	-
ASSAY	KL016502	1.98	0.007	-	-
ASSAY	KL016503	2.36	0.008	-	-
ASSAY	KL016504	2.83	0.008	-	-
ASSAY	KL016505	2.43	0.005	-	-
ASSAY	KL016506	2.47	0.005	-	-
ASSAY	KL016507	2.76	< 0.005	-	-
ASSAY	KL016508	2.35	0.005	-	-
ASSAY	KL016509	2.63	0.007	-	-
ASSAY	KL016510	1.32	< 0.005	-	-
ASSAY	KL016511	2.33	0.011	-	-
ASSAY	KL016512	2.79	0.011	-	-
ASSAY	KL016513	2.42	0.010	-	-
ASSAY	KL016529	2.53	0.015	-	-
ASSAY	KL016530	1.08	0.005	-	-
ASSAY	KL016531	2.76	0.011	-	-
ASSAY	KL016532	2.51	0.018	-	-
ASSAY	KL016533	2.48	0.010	-	-
ASSAY	KL016534	2.25	0.009	-	-
ASSAY	KL016535	2.47	0.010	-	-
ASSAY	KL016536	2.27	0.008	-	-
ASSAY	KL016537	2.04	0.008	-	-
ASSAY	KL016538	2.21	0.010	-	-
ASSAY	KL016539	1.95	0.009	-	-
ASSAY	KL016540	0.0660	0.755	-	-
ASSAY	KL016541	2.38	0.011	-	-
ASSAY	KL016542	2.27	0.010	-	-
ASSAY	KL016543	2.04	0.008	-	-
ASSAY	KL016544	2.74	0.009	-	-
ASSAY	KL016545	2.21	0.009	-	-
ASSAY	KL016546	2.03	0.009	-	-
ASSAY	KL016547	2.25	0.010	-	-
ASSAY	KL016548	2.20	0.009	-	-
ASSAY	KL016549	1.93	0.010	-	-
ASSAY	KL016550	1.20	< 0.005	-	-
PULPDUP	KL016397	-	0.023	-	-
PULPDUP	KL016407	-	0.015	-	-
PULPDUP	KL016464	-	0.022	-	-

Results

Activation Laboratories Ltd.

Report: A21-22532

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
PULPDUP	KL016479	-	0.022	-	-
PREPDUP	KL016484	-	0.019	-	-
PULPDUP	KL016488	-	0.030	-	-
PULPDUP	KL016498	-	< 0.005	-	-
PULPDUP	KL016513	-	0.009	-	-
PULPDUP	KL016538	-	0.007	-	-
PULPDUP	KL016548	-	0.010	-	-
PREPDUP	KL016549	-	0.009	-	-



Report No.: A21-22690
 Report Date: 10-Dec-21
 Date Submitted: 07-Dec-21
 Your Reference: Carscallen

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

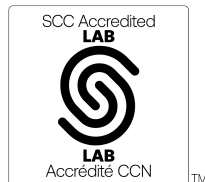
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-08 11:20:33
Weight Rpt (kg)-Timmins	Received Weights	2021-12-07 15:33:32

REPORT **A21-22690**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017119	2.31	0.319	-	-
ASSAY	KL017120	0.0660	0.327	-	-
ASSAY	KL017121	2.52	0.280	-	-
ASSAY	KL017122	1.95	0.073	-	-
ASSAY	KL017123	1.22	0.031	-	-
ASSAY	KL017124	1.43	< 0.005	-	-
ASSAY	KL017125	2.06	< 0.005	-	-
ASSAY	KL017126	2.22	0.025	-	-
ASSAY	KL017127	2.45	0.049	-	-
ASSAY	KL017128	1.04	< 0.005	-	-
ASSAY	KL017129	1.25	< 0.005	-	-
ASSAY	KL017130	1.35	< 0.005	-	-
ASSAY	KL017131	2.21	0.018	-	-
ASSAY	KL017132	2.19	< 0.005	-	-
ASSAY	KL017133	2.26	0.055	-	-
ASSAY	KL017134	2.31	< 0.005	-	-
ASSAY	KL017135	1.24	< 0.005	-	-
ASSAY	KL017136	1.10	0.008	-	-
ASSAY	KL017137	1.13	0.007	-	-
ASSAY	KL017138	1.15	0.036	-	-
ASSAY	KL017139	2.32	0.042	-	-
ASSAY	KL017140	0.0660	2.86	-	-



Report No.: A21-22691
Report Date: 25-Jan-22
Date Submitted: 07-Dec-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

90 Rock samples were submitted for analysis.

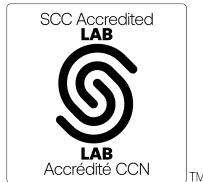
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-22691

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016551	2.58	0.008	-	-
ASSAY	KL016552	2.51	0.007	-	-
ASSAY	KL016553	2.21	< 0.005	-	-
ASSAY	KL016554	1.63	< 0.005	-	-
ASSAY	KL016555	1.79	0.014	-	-
ASSAY	KL016556	1.93	< 0.005	-	-
ASSAY	KL016557	2.43	< 0.005	-	-
ASSAY	KL016558	2.36	0.008	-	-
ASSAY	KL016559	1.47	0.005	-	-
ASSAY	KL016560	0.0660	0.336	-	-
ASSAY	KL016561	1.28	0.006	-	-
ASSAY	KL016562	2.21	0.007	-	-
ASSAY	KL016563	2.36	0.006	-	-
ASSAY	KL016564	2.45	0.005	-	-
ASSAY	KL016565	2.38	0.005	-	-
ASSAY	KL016566	2.02	< 0.005	-	-
ASSAY	KL016567	2.43	0.005	-	-
ASSAY	KL016568	2.20	0.005	-	-
ASSAY	KL016569	2.57	0.053	-	-
ASSAY	KL016570	1.39	< 0.005	-	-
ASSAY	KL016571	1.53	< 0.005	-	-
ASSAY	KL016572	1.06	0.006	-	-
ASSAY	KL016573	2.08	0.009	-	-
ASSAY	KL016574	2.53	0.008	-	-
ASSAY	KL016575	2.47	0.005	-	-
ASSAY	KL016576	2.44	0.009	-	-
ASSAY	KL016577	2.60	0.006	-	-
ASSAY	KL016578	1.36	0.006	-	-
ASSAY	KL016579	1.14	0.008	-	-
ASSAY	KL016580	0.0660	3.04	-	-
ASSAY	KL016581	2.17	0.009	-	-
ASSAY	KL016582	2.08	0.007	-	-
ASSAY	KL016583	2.21	0.005	-	-
ASSAY	KL016584	3.00	0.014	-	-
ASSAY	KL016585	2.30	< 0.005	-	-
ASSAY	KL016586	2.18	0.012	-	-
ASSAY	KL016596	2.40	0.006	-	-
ASSAY	KL016597	2.03	0.009	-	-
ASSAY	KL016598	1.20	0.007	-	-
ASSAY	KL016599	1.03	0.027	-	-
ASSAY	KL016600	0.0660	0.333	-	-
ASSAY	KL016601	2.55	0.012	-	-
ASSAY	KL016602	2.49	0.007	-	-
ASSAY	KL016603	2.35	0.006	-	-
ASSAY	KL016604	1.24	0.006	-	-
ASSAY	KL016605	1.05	< 0.005	-	-
ASSAY	KL016606	2.42	0.014	-	-
ASSAY	KL016607	2.54	0.007	-	-
ASSAY	KL016608	2.34	0.009	-	-
ASSAY	KL016609	1.04	0.014	-	-
ASSAY	KL016610	1.33	< 0.005	-	-
ASSAY	KL016611	2.15	0.010	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016612	1.37	< 0.005	-	-
ASSAY	KL016613	0.893	0.068	-	-
ASSAY	KL016614	1.97	0.011	-	-
ASSAY	KL016615	1.36	0.007	-	-
ASSAY	KL016616	2.13	0.008	-	-
ASSAY	KL016617	2.44	< 0.005	-	-
ASSAY	KL016618	2.36	0.006	-	-
ASSAY	KL016619	2.12	0.005	-	-
ASSAY	KL016620	0.0660	0.771	-	-
ASSAY	KL016621	2.64	< 0.005	-	-
ASSAY	KL016622	1.84	< 0.005	-	-
ASSAY	KL016623	2.20	< 0.005	-	-
ASSAY	KL016647	2.41	< 0.005	-	-
ASSAY	KL016648	2.04	< 0.005	-	-
ASSAY	KL016649	2.75	0.017	-	-
ASSAY	KL016650	1.12	< 0.005	-	-
ASSAY	KL016651	2.36	< 0.005	-	-
ASSAY	KL016652	2.30	0.006	-	-
ASSAY	KL016653	2.53	< 0.005	-	-
ASSAY	KL016654	2.08	< 0.005	-	-
ASSAY	KL016655	2.16	< 0.005	-	-
ASSAY	KL016656	2.66	< 0.005	-	-
ASSAY	KL016657	2.32	< 0.005	-	-
ASSAY	KL016658	1.08	< 0.005	-	-
ASSAY	KL016659	1.08	0.007	-	-
ASSAY	KL016660	0.0660	0.348	-	-
ASSAY	KL016661	1.36	< 0.005	-	-
ASSAY	KL016662	0.780	< 0.005	-	-
ASSAY	KL016663	2.17	< 0.005	-	-
ASSAY	KL016664	2.01	< 0.005	-	-
ASSAY	KL016665	2.35	< 0.005	-	-
ASSAY	KL016666	2.47	0.005	-	-
ASSAY	KL016667	2.20	< 0.005	-	-
ASSAY	KL016668	0.930	0.014	-	-
ASSAY	KL016669	1.56	< 0.005	-	-
ASSAY	KL016670	1.26	< 0.005	-	-
ASSAY	KL016671	2.17	< 0.005	-	-
ASSAY	KL016672	2.65	< 0.005	-	-
PULPDUP	KL016553	-	0.007	-	-
PULPDUP	KL016564	-	0.006	-	-
PULPDUP	KL016574	-	0.007	-	-
PULPDUP	KL016603	-	0.007	-	-
PREPDUP	KL016609	-	0.009	-	-
PULPDUP	KL016612	-	< 0.005	-	-
PULPDUP	KL016622	-	< 0.005	-	-
PULPDUP	KL016666	-	0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-22938-Au
 Report Date: 16-Feb-22
 Date Submitted: 10-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

91 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-02-01 09:43:55
Weight Rpt (kg)-Timmins	Received Weights	2022-01-18 14:51:49

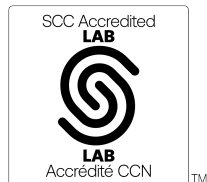
REPORT **A21-22938-Au**

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Notes:

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

Footnote: no material for sample KL009961.



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016719	2.06	0.007	-	-
ASSAY	KL016720	0.0660	0.372	-	-
ASSAY	KL016721	3.26	< 0.005	-	-
ASSAY	KL016722	2.24	0.032	-	-
ASSAY	KL016723	1.03	0.051	-	-
ASSAY	KL016724	4.73	0.006	-	-
ASSAY	KL016725	2.55	0.012	-	-
ASSAY	KL016726	3.89	0.007	-	-
ASSAY	KL016727	4.32	< 0.005	-	-
ASSAY	KL016728	3.85	< 0.005	-	-
ASSAY	KL016729	3.99	< 0.005	-	-
ASSAY	KL016730	1.91	< 0.005	-	-
ASSAY	KL016731	1.90	< 0.005	-	-
ASSAY	KL016732	2.90	0.006	-	-
ASSAY	KL016733	4.11	< 0.005	-	-
ASSAY	KL016734	3.62	< 0.005	-	-
ASSAY	KL016735	4.46	< 0.005	-	-
ASSAY	KL016736	4.40	< 0.005	-	-
ASSAY	KL016737	4.05	< 0.005	-	-
ASSAY	KL016738	4.65	0.005	-	-
ASSAY	KL016739	2.33	< 0.005	-	-
ASSAY	KL016740	0.0660	0.793	-	-
ASSAY	KL016741	2.34	< 0.005	-	-
ASSAY	KL016742	3.69	0.005	-	-
ASSAY	KL016743	4.54	0.021	-	-
ASSAY	KL016744	1.71	0.050	-	-
ASSAY	KL016745	4.21	0.045	-	-
ASSAY	KL016746	2.77	0.028	-	-
ASSAY	KL016747	3.67	0.041	-	-
ASSAY	KL016748	4.13	0.076	-	-
ASSAY	KL016749	4.37	< 0.005	-	-
ASSAY	KL016750	1.14	0.008	-	-
ASSAY	KL016751	2.37	0.014	-	-
ASSAY	KL016752	2.47	0.009	-	-
ASSAY	KL016753	2.26	0.022	-	-
ASSAY	KL016754	3.72	0.013	-	-
ASSAY	KL016755	2.25	0.012	-	-
ASSAY	KL016756	4.51	0.014	-	-
ASSAY	KL016757	1.37	3.36	-	-
ASSAY	KL016758	2.69	7.85	-	-
ASSAY	KL016759	2.54	0.235	-	-
ASSAY	KL016760	0.0660	2.99	-	-
ASSAY	KL016761	2.71	< 0.005	-	-
ASSAY	KL016762	2.11	< 0.005	-	-
ASSAY	KL016763	1.82	< 0.005	-	-
ASSAY	KL016764	2.20	0.024	-	-
ASSAY	KL016765	1.29	< 0.005	-	-
ASSAY	KL016766	1.27	0.061	-	-
ASSAY	KL016767	2.14	0.006	-	-
ASSAY	KL016768	2.28	0.025	-	-
ASSAY	KL016769	2.42	0.037	-	-
ASSAY	KL016770	1.29	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016771	2.38	0.025	-	-
ASSAY	KL016772	2.82	0.012	-	-
ASSAY	KL016773	2.43	0.009	-	-
ASSAY	KL016774	2.43	0.024	-	-
ASSAY	KL016775	2.86	< 0.005	-	-
ASSAY	KL016776	2.39	< 0.005	-	-
ASSAY	KL016777	2.40	< 0.005	-	-
ASSAY	KL016778	2.43	< 0.005	-	-
ASSAY	KL016779	2.22	< 0.005	-	-
ASSAY	KL016780	0.0660	0.353	-	-
ASSAY	KL016781	2.32	< 0.005	-	-
ASSAY	KL016782	2.37	< 0.005	-	-
ASSAY	KL016783	2.17	< 0.005	-	-
ASSAY	KL016784	2.42	< 0.005	-	-
ASSAY	KL016785	2.96	< 0.005	-	-
ASSAY	KL016786	2.36	< 0.005	-	-
ASSAY	KL016787	2.28	< 0.005	-	-
ASSAY	KL016788	2.51	< 0.005	-	-
ASSAY	KL016789	2.44	< 0.005	-	-
ASSAY	KL016790	1.14	< 0.005	-	-
ASSAY	KL016791	2.38	< 0.005	-	-
ASSAY	KL016792	2.80	< 0.005	-	-
ASSAY	KL016793	2.49	< 0.005	-	-
ASSAY	KL016794	2.51	< 0.005	-	-
ASSAY	KL016795	2.29	< 0.005	-	-
ASSAY	KL016796	2.57	0.005	-	-
ASSAY	KL016797	2.55	< 0.005	-	-
ASSAY	KL016798	2.74	< 0.005	-	-
ASSAY	KL016799	2.07	< 0.005	-	-
ASSAY	KL016800	0.0660	0.826	-	-
ASSAY	KL016801	2.70	0.006	-	-
ASSAY	KL016802	2.91	< 0.005	-	-
ASSAY	KL016803	2.39	< 0.005	-	-
ASSAY	KL016804	2.22	< 0.005	-	-
ASSAY	KL016805	3.19	< 0.005	-	-
ASSAY	KL009958	0.500	-	-	-
ASSAY	KL009959	0.594	-	-	-
ASSAY	KL009960	0.516	-	-	-
ASSAY	KL009961	0.000	-	-	-
PULPDUP	KL016728	-	0.005	-	-
PULPDUP	KL016738	-	< 0.005	-	-
PULPDUP	KL016763	-	< 0.005	-	-
PREPDUP	KL016768	-	0.022	-	-
PULPDUP	KL016772	-	0.015	-	-
PULPDUP	KL016782	-	< 0.005	-	-
PULPDUP	KL016797	-	< 0.005	-	-



Report No.: A21-23041
Report Date: 16-Dec-21
Date Submitted: 14-Dec-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

35 Rock samples were submitted for analysis.

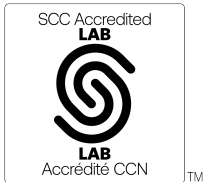
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-23041

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017287	5.93	0.007	-	-
ASSAY	KL017288	6.13	0.007	-	-
ASSAY	KL017289	3.80	0.006	-	-
ASSAY	KL017290	1.18	0.006	-	-
ASSAY	KL017291	4.62	0.024	-	-
ASSAY	KL017292	2.73	0.381	-	-
ASSAY	KL017293	5.29	0.007	-	-
ASSAY	KL017294	4.92	0.308	-	-
ASSAY	KL017295	5.54	0.009	-	-
ASSAY	KL017296	4.61	0.009	-	-
ASSAY	KL017297	4.97	0.023	-	-
ASSAY	KL017298	4.98	0.240	-	-
ASSAY	KL017299	0.0660	0.333	-	-
ASSAY	KL017300	5.94	0.008	-	-
ASSAY	KL017301	4.01	0.008	-	-
ASSAY	KL017302	5.00	0.009	-	-
ASSAY	KL017303	3.87	0.011	-	-
ASSAY	KL017304	5.57	0.032	-	-
ASSAY	KL017305	2.06	0.037	-	-
ASSAY	KL017306	3.06	0.011	-	-
ASSAY	KL017307	4.45	0.012	-	-
ASSAY	KL017308	4.36	0.019	-	-
ASSAY	KL017309	2.21	0.018	-	-
ASSAY	KL017310	1.08	0.009	-	-
ASSAY	KL017311	3.06	0.040	-	-
ASSAY	KL017312	3.92	0.014	-	-
ASSAY	KL017313	4.24	0.013	-	-
ASSAY	KL017314	2.78	0.162	-	-
ASSAY	KL017315	2.02	0.060	-	-
ASSAY	KL017316	2.70	0.038	-	-
ASSAY	KL017317	2.69	0.061	-	-
ASSAY	KL017318	2.13	0.171	-	-
ASSAY	KL017319	1.21	0.045	-	-
ASSAY	KL017320	0.0660	3.01	-	-
ASSAY	KL017321	4.32	0.068	-	-
PULPDUP	KL017295	-	0.011	-	-
PULPDUP	KL017305	-	0.011	-	-
PULPDUP	KL017315	-	0.070	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-23042
 Report Date: 01-Feb-22
 Date Submitted: 14-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

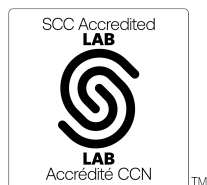
The following analytical package(s) were requested:		Testing Date:
1A2-Lakeshore Timmins	QOP AA-Au (Au - Fire Assay AA)	2022-02-01 09:43:55
Weight Rpt (kg)-Timmins	Received Weights	2022-01-19 14:24:01

REPORT **A21-23042**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016806	2.52	< 0.005	-	-
ASSAY	KL016807	2.94	0.006	-	-
ASSAY	KL016808	1.90	0.005	-	-
ASSAY	KL016809	2.82	0.005	-	-
ASSAY	KL016810	1.28	0.006	-	-
ASSAY	KL016811	2.29	0.005	-	-
ASSAY	KL016812	2.67	0.006	-	-
ASSAY	KL016813	2.56	0.006	-	-
ASSAY	KL016814	2.55	0.011	-	-
ASSAY	KL016815	2.60	0.006	-	-
ASSAY	KL016816	2.21	0.057	-	-
ASSAY	KL016817	2.02	0.008	-	-
ASSAY	KL016818	2.50	0.007	-	-
ASSAY	KL016819	2.32	0.014	-	-
ASSAY	KL016820	0.0660	3.15	-	-
ASSAY	KL016821	2.87	0.214	-	-
ASSAY	KL016822	2.47	0.010	-	-
ASSAY	KL016823	2.65	0.012	-	-
ASSAY	KL016824	2.20	0.031	-	-
ASSAY	KL016825	2.56	0.033	-	-
ASSAY	KL016826	2.63	0.009	-	-
ASSAY	KL016827	2.54	0.023	-	-
ASSAY	KL016828	2.60	0.053	-	-
ASSAY	KL016829	2.50	0.024	-	-
ASSAY	KL016830	1.09	0.007	-	-
ASSAY	KL016831	2.54	0.009	-	-
ASSAY	KL016832	2.69	0.005	-	-
ASSAY	KL016833	2.46	< 0.005	-	-
ASSAY	KL016834	1.39	< 0.005	-	-
ASSAY	KL016835	1.29	0.032	-	-
ASSAY	KL016836	1.21	0.062	-	-
ASSAY	KL016837	1.16	< 0.005	-	-
ASSAY	KL016838	1.29	0.007	-	-
ASSAY	KL016839	1.21	0.006	-	-
ASSAY	KL016840	0.0660	0.336	-	-
ASSAY	KL016841	1.26	0.059	-	-
ASSAY	KL016842	1.18	0.011	-	-
ASSAY	KL016843	2.69	0.009	-	-
ASSAY	KL016844	2.41	0.025	-	-
ASSAY	KL016845	2.44	0.018	-	-
ASSAY	KL016846	2.55	< 0.005	-	-
ASSAY	KL016847	2.26	< 0.005	-	-
ASSAY	KL016848	1.95	< 0.005	-	-
ASSAY	KL016849	2.12	< 0.005	-	-
ASSAY	KL016850	1.03	< 0.005	-	-
ASSAY	KL016851	1.25	< 0.005	-	-
ASSAY	KL016852	1.59	< 0.005	-	-
ASSAY	KL016853	1.80	< 0.005	-	-
ASSAY	KL016854	2.16	0.005	-	-
ASSAY	KL016855	2.40	< 0.005	-	-
PULPDUP	KL016815	-	0.007	-	-
PULPDUP	KL016825	-	0.040	-	-

Results**Activation Laboratories Ltd.****Report: A21-23042**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL016835	-	0.036	-	-
PULPDUP	KL016850	-	< 0.005	-	-
PREPDUP	KL016855	-	0.007	-	-



Report No.: A21-23275
Report Date: 20-Dec-21
Date Submitted: 17-Dec-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

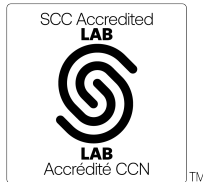
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-23275

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017439	2.39	0.008	-	-
ASSAY	KL017440	0.0660	0.765	-	-
ASSAY	KL017441	2.81	< 0.005	-	-
ASSAY	KL017442	3.85	0.021	-	-
ASSAY	KL017443	2.33	0.009	-	-
ASSAY	KL017444	2.83	< 0.005	-	-
ASSAY	KL017445	2.66	0.005	-	-
ASSAY	KL017446	2.55	< 0.005	-	-
ASSAY	KL017447	2.13	0.008	-	-
ASSAY	KL017448	2.75	0.007	-	-
ASSAY	KL017449	2.50	0.006	-	-
ASSAY	KL017450	1.12	0.007	-	-
ASSAY	KL017451	2.15	0.007	-	-
ASSAY	KL017452	2.72	0.012	-	-
ASSAY	KL017453	2.22	0.006	-	-
ASSAY	KL017454	2.32	0.007	-	-
ASSAY	KL017455	1.37	0.012	-	-
ASSAY	KL017456	1.19	5.80	-	-
ASSAY	KL017457	1.56	0.515	-	-
ASSAY	KL017458	2.30	0.014	-	-
ASSAY	KL017459	1.61	0.005	-	-
ASSAY	KL017460	0.0660	3.01	-	-
ASSAY	KL017461	2.58	0.008	-	-
ASSAY	KL017462	2.85	0.005	-	-
ASSAY	KL017463	2.41	0.007	-	-
ASSAY	KL017464	2.97	0.018	-	-
ASSAY	KL017465	2.04	0.006	-	-
ASSAY	KL017466	2.00	0.009	-	-
ASSAY	KL017467	2.40	0.005	-	-
PULPDUP	KL017448	-	0.006	-	-
PULPDUP	KL017458	-	0.023	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-23277
 Report Date: 18-Feb-22
 Date Submitted: 17-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

130 Rock samples were submitted for analysis.

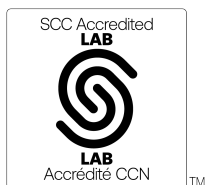
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-02-15 12:59:56
Weight Rpt (kg)-Timmins	Received Weights	2022-01-27 10:18:31

REPORT **A21-23277**

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Notes:

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



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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016856	2.18	0.010	-	-
ASSAY	KL016857	2.16	0.007	-	-
ASSAY	KL016858	2.38	0.007	-	-
ASSAY	KL016859	2.50	< 0.005	-	-
ASSAY	KL016860	0.0660	0.777	-	-
ASSAY	KL016861	2.44	0.006	-	-
ASSAY	KL016862	2.18	0.005	-	-
ASSAY	KL016863	2.22	0.099	-	-
ASSAY	KL016864	2.24	0.048	-	-
ASSAY	KL016865	1.93	0.031	-	-
ASSAY	KL016866	1.11	0.018	-	-
ASSAY	KL016867	1.43	0.007	-	-
ASSAY	KL016868	0.906	0.034	-	-
ASSAY	KL016869	1.19	0.032	-	-
ASSAY	KL016870	1.23	0.006	-	-
ASSAY	KL016871	2.27	0.043	-	-
ASSAY	KL016872	1.84	0.022	-	-
ASSAY	KL016873	1.14	0.026	-	-
ASSAY	KL016874	1.05	0.008	-	-
ASSAY	KL016875	2.01	0.021	-	-
ASSAY	KL016876	1.05	0.027	-	-
ASSAY	KL016877	1.22	0.007	-	-
ASSAY	KL016878	2.51	0.010	-	-
ASSAY	KL016879	1.85	0.012	-	-
ASSAY	KL016880	0.0660	2.93	-	-
ASSAY	KL016881	2.37	0.010	-	-
ASSAY	KL016882	2.06	0.009	-	-
ASSAY	KL016883	2.17	0.006	-	-
ASSAY	KL016884	0.953	0.009	-	-
ASSAY	KL016885	1.43	0.065	-	-
ASSAY	KL016886	2.09	0.017	-	-
ASSAY	KL016887	2.19	0.007	-	-
ASSAY	KL016888	1.36	< 0.005	-	-
ASSAY	KL016889	0.904	< 0.005	-	-
ASSAY	KL016890	1.11	< 0.005	-	-
ASSAY	KL016891	2.07	< 0.005	-	-
ASSAY	KL016892	2.18	< 0.005	-	-
ASSAY	KL016893	2.07	0.005	-	-
ASSAY	KL016894	2.34	< 0.005	-	-
ASSAY	KL016895	2.19	< 0.005	-	-
ASSAY	KL016896	2.40	< 0.005	-	-
ASSAY	KL016897	2.35	< 0.005	-	-
ASSAY	KL016898	2.28	0.005	-	-
ASSAY	KL016899	1.97	0.020	-	-
ASSAY	KL016900	0.0660	0.340	-	-
ASSAY	KL016901	2.14	< 0.005	-	-
ASSAY	KL016902	2.05	< 0.005	-	-
ASSAY	KL016903	2.57	0.014	-	-
ASSAY	KL016904	2.07	< 0.005	-	-
ASSAY	KL016905	2.67	0.007	-	-
ASSAY	KL016906	2.17	0.188	-	-
ASSAY	KL016907	2.76	0.032	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL016908	2.23	0.013	-	-
ASSAY	KL016909	2.42	0.009	-	-
ASSAY	KL016910	0.956	< 0.005	-	-
ASSAY	KL016911	2.50	0.014	-	-
ASSAY	KL016912	2.42	0.006	-	-
ASSAY	KL016913	2.51	0.017	-	-
ASSAY	KL016914	1.96	0.009	-	-
ASSAY	KL016915	2.46	0.007	-	-
ASSAY	KL016916	2.42	< 0.005	-	-
ASSAY	KL016917	2.35	0.011	-	-
ASSAY	KL016918	1.31	0.012	-	-
ASSAY	KL016919	1.11	0.090	-	-
ASSAY	KL016920	0.0660	0.764	-	-
ASSAY	KL016921	1.13	0.040	-	-
ASSAY	KL016922	1.35	0.014	-	-
ASSAY	KL016923	1.16	0.101	-	-
ASSAY	KL016924	1.20	0.151	-	-
ASSAY	KL016925	2.07	0.007	-	-
ASSAY	KL016926	2.45	< 0.005	-	-
ASSAY	KL016927	2.19	0.010	-	-
ASSAY	KL016928	1.26	0.104	-	-
ASSAY	KL016929	1.23	0.011	-	-
ASSAY	KL016930	1.01	< 0.005	-	-
ASSAY	KL016931	2.57	0.010	-	-
ASSAY	KL016932	2.31	< 0.005	-	-
ASSAY	KL016933	2.22	< 0.005	-	-
ASSAY	KL016934	1.89	< 0.005	-	-
ASSAY	KL016935	2.26	< 0.005	-	-
ASSAY	KL017018	2.53	< 0.005	-	-
ASSAY	KL017019	2.11	< 0.005	-	-
ASSAY	KL017020	0.0660	3.06	-	-
ASSAY	KL017021	2.47	< 0.005	-	-
ASSAY	KL017022	2.08	< 0.005	-	-
ASSAY	KL017023	2.32	< 0.005	-	-
ASSAY	KL017024	2.64	< 0.005	-	-
ASSAY	KL017025	2.11	< 0.005	-	-
ASSAY	KL017026	1.91	< 0.005	-	-
ASSAY	KL017027	1.60	0.024	-	-
ASSAY	KL017028	1.12	0.009	-	-
ASSAY	KL017029	3.25	0.019	-	-
ASSAY	KL017030	1.17	< 0.005	-	-
ASSAY	KL017031	2.28	0.010	-	-
ASSAY	KL017032	2.78	< 0.005	-	-
ASSAY	KL017033	2.13	< 0.005	-	-
ASSAY	KL017034	2.25	< 0.005	-	-
ASSAY	KL017035	1.27	< 0.005	-	-
ASSAY	KL017036	1.70	0.039	-	-
ASSAY	KL017037	2.00	0.027	-	-
ASSAY	KL017038	1.18	0.029	-	-
ASSAY	KL017039	1.41	0.191	-	-
ASSAY	KL017040	0.0660	0.766	-	-
ASSAY	KL017041	2.37	0.030	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017042	2.15	0.010	-	-
ASSAY	KL017043	2.39	< 0.005	-	-
ASSAY	KL017044	2.34	< 0.005	-	-
ASSAY	KL017045	2.49	< 0.005	-	-
ASSAY	KL017046	1.99	< 0.005	-	-
ASSAY	KL017047	1.30	< 0.005	-	-
ASSAY	KL017048	1.22	< 0.005	-	-
ASSAY	KL017049	1.26	0.010	-	-
ASSAY	KL017050	1.37	< 0.005	-	-
ASSAY	KL017051	1.50	0.005	-	-
ASSAY	KL017052	2.41	< 0.005	-	-
ASSAY	KL017053	2.56	< 0.005	-	-
ASSAY	KL017054	1.97	< 0.005	-	-
ASSAY	KL017094	1.31	0.008	-	-
ASSAY	KL017095	1.81	0.010	-	-
ASSAY	KL017096	1.15	0.008	-	-
ASSAY	KL017097	2.14	0.005	-	-
ASSAY	KL017098	1.27	0.015	-	-
ASSAY	KL017099	1.28	0.048	-	-
ASSAY	KL017100	0.0660	0.753	-	-
ASSAY	KL017101	1.23	0.027	-	-
ASSAY	KL017102	1.29	0.015	-	-
ASSAY	KL017103	0.609	0.019	-	-
ASSAY	KL017104	1.11	0.034	-	-
ASSAY	KL017105	2.02	0.010	-	-
ASSAY	KL017106	2.22	0.024	-	-
PULPDUP	KL016865	-	0.024	-	-
PULPDUP	KL016875	-	0.023	-	-
PULPDUP	KL016904	-	< 0.005	-	-
PREPDUP	KL016905	-	< 0.005	-	-
PULPDUP	KL016912	-	0.010	-	-
PULPDUP	KL016926	-	< 0.005	-	-
PULPDUP	KL017023	-	< 0.005	-	-
PULPDUP	KL017033	-	< 0.005	-	-
PREPDUP	KL017037	-	0.025	-	-
PULPDUP	KL017048	-	< 0.005	-	-
PULPDUP	KL017102	-	0.017	-	-



Report No.: A21-23447
Report Date: 23-Dec-21
Date Submitted: 21-Dec-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

63 Rock samples were submitted for analysis.

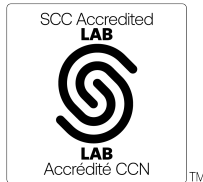
Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-23447

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017487	1.13	0.036	-	-
ASSAY	KL017488	1.05	0.009	-	-
ASSAY	KL017489	1.13	0.010	-	-
ASSAY	KL017490	1.22	< 0.005	-	-
ASSAY	KL017491	1.46	0.006	-	-
ASSAY	KL017492	1.19	0.012	-	-
ASSAY	KL017493	1.17	0.009	-	-
ASSAY	KL017494	2.17	0.032	-	-
ASSAY	KL017495	2.44	0.007	-	-
ASSAY	KL017496	2.11	0.009	-	-
ASSAY	KL017525	2.23	0.013	-	-
ASSAY	KL017526	2.35	0.012	-	-
ASSAY	KL017527	1.18	0.020	-	-
ASSAY	KL017528	1.08	< 0.005	-	-
ASSAY	KL017529	1.00	0.170	-	-
ASSAY	KL017530	1.14	< 0.005	-	-
ASSAY	KL017531	1.36	< 0.005	-	-
ASSAY	KL017532	2.39	< 0.005	-	-
ASSAY	KL017533	2.50	< 0.005	-	-
ASSAY	KL017534	2.47	< 0.005	-	-
ASSAY	KL017535	2.14	0.006	-	-
ASSAY	KL017536	1.79	1.19	-	-
ASSAY	KL017537	2.84	0.012	-	-
ASSAY	KL017538	2.25	< 0.005	-	-
ASSAY	KL017539	1.42	< 0.005	-	-
ASSAY	KL017540	0.0660	0.328	-	-
ASSAY	KL017541	2.05	< 0.005	-	-
ASSAY	KL017542	2.04	< 0.005	-	-
ASSAY	KL017543	2.10	< 0.005	-	-
ASSAY	KL017544	2.06	0.006	-	-
ASSAY	KL017545	2.29	0.028	-	-
ASSAY	KL017546	0.968	< 0.005	-	-
ASSAY	KL017547	0.916	0.021	-	-
ASSAY	KL017548	1.97	0.016	-	-
ASSAY	KL017549	1.98	0.009	-	-
ASSAY	KL017550	0.770	< 0.005	-	-
ASSAY	KL017551	2.22	0.011	-	-
ASSAY	KL017552	0.998	0.013	-	-
ASSAY	KL017553	1.10	< 0.005	-	-
ASSAY	KL017554	2.17	< 0.005	-	-
ASSAY	KL017579	2.50	< 0.005	-	-
ASSAY	KL017580	0.0660	2.93	-	-
ASSAY	KL017581	2.18	< 0.005	-	-
ASSAY	KL017582	2.25	0.007	-	-
ASSAY	KL017583	1.31	< 0.005	-	-
ASSAY	KL017584	0.923	< 0.005	-	-
ASSAY	KL017585	1.30	0.028	-	-
ASSAY	KL017586	1.04	0.029	-	-
ASSAY	KL017587	0.971	2.52	-	-
ASSAY	KL017588	1.40	0.425	-	-
ASSAY	KL017589	2.03	0.021	-	-
ASSAY	KL017590	1.30	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017591	2.48	0.005	-	-
ASSAY	KL017592	2.14	0.011	-	-
ASSAY	KL017593	2.11	0.012	-	-
ASSAY	KL017594	2.31	0.008	-	-
ASSAY	KL017595	2.28	< 0.005	-	-
ASSAY	KL017596	2.42	0.011	-	-
ASSAY	KL017597	2.22	0.022	-	-
ASSAY	KL017598	2.33	0.124	-	-
ASSAY	KL017599	2.50	< 0.005	-	-
ASSAY	KL017600	0.0660	0.321	-	-
ASSAY	KL017601	2.45	< 0.005	-	-
PULPDUP	KL017496	-	0.008	-	-
PULPDUP	KL017534	-	< 0.005	-	-
PULPDUP	KL017544	-	0.010	-	-
PULPDUP	KL017583	-	< 0.005	-	-
PREPDUP	KL017588	-	0.457	-	-
PREPDUP	KL017589	-	0.036	-	-
PULPDUP	KL017591	-	< 0.005	-	-
PULPDUP	KL017601	-	< 0.005	-	-



Report No.: A21-23449-Au
Report Date: 18-Feb-22
Date Submitted: 21-Dec-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

56 Rock samples were submitted for analysis.

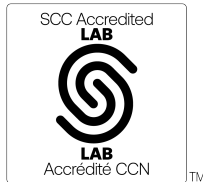
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-23449-Au

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017107	2.27	0.013	-	-
ASSAY	KL017108	2.31	0.081	-	-
ASSAY	KL017109	2.24	0.073	-	-
ASSAY	KL017110	1.19	< 0.005	-	-
ASSAY	KL017111	2.23	0.095	-	-
ASSAY	KL017112	2.30	0.096	-	-
ASSAY	KL017113	2.13	0.110	-	-
ASSAY	KL017114	2.32	0.134	-	-
ASSAY	KL017115	2.22	0.115	-	-
ASSAY	KL017116	2.40	0.275	-	-
ASSAY	KL017117	2.31	0.036	-	-
ASSAY	KL017118	2.40	0.060	-	-
ASSAY	KL017141	2.48	< 0.005	-	-
ASSAY	KL017142	2.11	0.008	-	-
ASSAY	KL017143	2.32	0.006	-	-
ASSAY	KL017144	2.30	0.007	-	-
ASSAY	KL017145	2.30	0.006	-	-
ASSAY	KL017146	2.24	0.009	-	-
ASSAY	KL017147	1.16	0.007	-	-
ASSAY	KL017148	1.29	0.008	-	-
ASSAY	KL017149	2.39	0.008	-	-
ASSAY	KL017150	1.12	0.008	-	-
ASSAY	KL017151	2.40	0.009	-	-
ASSAY	KL017152	2.64	0.012	-	-
ASSAY	KL017153	2.47	0.028	-	-
ASSAY	KL017154	2.26	0.045	-	-
ASSAY	KL017155	2.44	0.040	-	-
ASSAY	KL017156	2.29	0.064	-	-
ASSAY	KL017157	1.04	0.065	-	-
ASSAY	KL017158	1.27	< 0.005	-	-
ASSAY	KL017159	2.32	0.019	-	-
ASSAY	KL017160	0.0660	0.749	-	-
ASSAY	KL017161	2.12	0.008	-	-
ASSAY	KL017162	2.44	< 0.005	-	-
ASSAY	KL017163	2.29	0.005	-	-
ASSAY	KL017164	2.49	0.013	-	-
ASSAY	KL017165	2.25	0.013	-	-
ASSAY	KL017166	2.84	0.020	-	-
ASSAY	KL017167	2.11	0.011	-	-
ASSAY	KL017168	2.06	0.009	-	-
ASSAY	KL017169	2.63	0.005	-	-
ASSAY	KL017170	1.16	0.005	-	-
ASSAY	KL017171	2.48	0.009	-	-
ASSAY	KL017172	2.33	0.286	-	-
ASSAY	KL017173	2.23	0.007	-	-
ASSAY	KL017174	2.23	0.008	-	-
ASSAY	KL017175	2.28	0.007	-	-
ASSAY	KL017176	2.33	0.029	-	-
ASSAY	KL009962	0.810	< 0.005	-	-
ASSAY	KL009963	0.880	0.060	-	-
ASSAY	KL009964	0.526	< 0.005	-	-
ASSAY	KL009965	0.483	< 0.005	-	-

Results

Activation Laboratories Ltd.

Report: A21-23449

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	KL009966	0.525	0.012	-	-
ASSAY	KL009967	0.344	< 0.005	-	-
ASSAY	KL009968	1.07	0.006	-	-
ASSAY	KL009969	0.562	0.005	-	-
PULPDUP	KL017116	-	0.257	-	-
PULPDUP	KL017148	-	0.011	-	-
PULPDUP	KL017173	-	0.009	-	-
PREPDUP	KL009963	-	0.042	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-23570
 Report Date: 23-Dec-21
 Date Submitted: 22-Dec-21
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

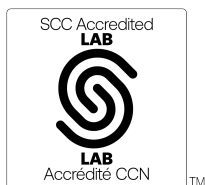
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-23 11:26:43
Weight Rpt (kg)-Timmins	Received Weights	2021-12-22 15:59:29

REPORT **A21-23570**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	kl017634	2.41	< 0.005	-	-
ASSAY	kl017635	1.25	< 0.005	-	-
ASSAY	kl017636	0.977	0.079	-	-
ASSAY	kl017637	2.17	0.055	-	-
ASSAY	kl017638	2.36	0.082	-	-
ASSAY	kl017639	2.16	< 0.005	-	-
ASSAY	kl017640	0.0660	3.05	-	-
ASSAY	kl017641	1.15	< 0.005	-	-
ASSAY	kl017642	1.36	< 0.005	-	-
ASSAY	kl017643	1.37	< 0.005	-	-
ASSAY	kl017644	1.20	0.021	-	-
ASSAY	kl017645	2.14	0.033	-	-
ASSAY	kl017646	2.47	0.006	-	-
ASSAY	kl017647	2.16	0.006	-	-
ASSAY	kl017648	2.50	0.006	-	-
PULPDUP	kl017639	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A21-23571
 Report Date: 10-Jan-22
 Date Submitted: 22-Dec-21
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

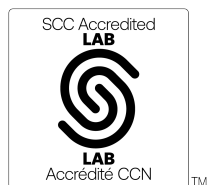
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2021-12-30 15:44:10
Weight Rpt (kg)-Timmins	Received Weights	2021-12-22 16:03:36

REPORT **A21-23571**

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Notes:

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



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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-23571

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	k1017177	3.90	< 0.005	-	-
ASSAY	k1017178	3.76	< 0.005	-	-
ASSAY	k1017179	4.26	< 0.005	-	-
ASSAY	k1017180	0.0660	0.333	-	-
ASSAY	k1017181	3.71	< 0.005	-	-
ASSAY	k1017182	3.97	< 0.005	-	-
ASSAY	k1017183	3.36	< 0.005	-	-
ASSAY	k1017184	3.79	0.006	-	-
ASSAY	k1017185	4.05	< 0.005	-	-
ASSAY	k1017186	3.41	< 0.005	-	-
ASSAY	k1017187	3.80	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A22-00027
 Report Date: 18-Feb-22
 Date Submitted: 04-Jan-22
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

89 Rock samples were submitted for analysis.

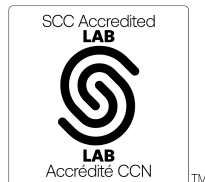
The following analytical package(s) were requested:		Testing Date:
1A2-50-Timmins - 10g/t	QOP AA-Au (Au - Fire Assay AA)	2022-02-18 11:15:09
Weight Rpt (kg)-Timmins	Received Weights	2022-02-04 13:44:54

REPORT **A22-00027**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017188	4.17	< 0.005	-	-
ASSAY	KL017189	2.71	< 0.005	-	-
ASSAY	KL017190	1.25	< 0.005	-	-
ASSAY	KL017191	5.06	< 0.005	-	-
ASSAY	KL017192	3.57	0.010	-	-
ASSAY	KL017193	4.35	0.008	-	-
ASSAY	KL017194	3.97	0.006	-	-
ASSAY	KL017195	4.10	0.006	-	-
ASSAY	KL017196	4.26	0.008	-	-
ASSAY	KL017197	4.05	0.012	-	-
ASSAY	KL017198	4.16	0.010	-	-
ASSAY	KL017199	4.37	0.006	-	-
ASSAY	KL017200	0.0660	3.12	-	-
ASSAY	KL017201	3.57	0.023	-	-
ASSAY	KL017202	4.49	0.010	-	-
ASSAY	KL017203	4.45	0.021	-	-
ASSAY	KL017204	4.41	0.036	-	-
ASSAY	KL017205	3.81	0.027	-	-
ASSAY	KL017206	2.33	0.006	-	-
ASSAY	KL017207	1.79	< 0.005	-	-
ASSAY	KL017208	3.98	0.011	-	-
ASSAY	KL017209	4.48	< 0.005	-	-
ASSAY	KL017210	1.08	< 0.005	-	-
ASSAY	KL017211	4.30	< 0.005	-	-
ASSAY	KL017212	3.97	< 0.005	-	-
ASSAY	KL017213	4.01	0.051	-	-
ASSAY	KL017214	3.63	< 0.005	-	-
ASSAY	KL017215	3.74	< 0.005	-	-
ASSAY	KL017216	4.66	0.005	-	-
ASSAY	KL017217	4.18	< 0.005	-	-
ASSAY	KL017218	4.20	0.005	-	-
ASSAY	KL017219	4.01	< 0.005	-	-
ASSAY	KL017220	0.0660	0.786	-	-
ASSAY	KL017221	3.68	< 0.005	-	-
ASSAY	KL017222	3.54	< 0.005	-	-
ASSAY	KL017223	3.93	< 0.005	-	-
ASSAY	KL017224	4.54	< 0.005	-	-
ASSAY	KL017225	3.03	< 0.005	-	-
ASSAY	KL017226	3.67	0.006	-	-
ASSAY	KL017227	5.59	0.022	-	-
ASSAY	KL017228	4.21	0.055	-	-
ASSAY	KL017229	4.16	< 0.005	-	-
ASSAY	KL017230	1.19	< 0.005	-	-
ASSAY	KL017231	4.41	< 0.005	-	-
ASSAY	KL017232	4.37	< 0.005	-	-
ASSAY	KL017233	5.14	0.017	-	-
ASSAY	KL017234	4.35	0.018	-	-
ASSAY	KL017235	4.79	< 0.005	-	-
ASSAY	KL017236	2.23	0.328	-	-
ASSAY	KL017237	2.39	0.016	-	-
ASSAY	KL017238	4.13	< 0.005	-	-
ASSAY	KL017239	4.03	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017240	0.0660	0.348	-	-
ASSAY	KL017241	4.48	< 0.005	-	-
ASSAY	KL017242	4.69	< 0.005	-	-
ASSAY	KL017243	3.96	0.008	-	-
ASSAY	KL017244	3.88	< 0.005	-	-
ASSAY	KL017245	6.43	< 0.005	-	-
ASSAY	KL017246	4.91	< 0.005	-	-
ASSAY	KL017247	5.96	< 0.005	-	-
ASSAY	KL017248	4.93	0.047	-	-
ASSAY	KL017249	4.09	0.420	-	-
ASSAY	KL017250	1.04	< 0.005	-	-
ASSAY	KL017251	4.96	< 0.005	-	-
ASSAY	KL017252	5.50	0.009	-	-
ASSAY	KL017253	3.88	0.006	-	-
ASSAY	KL017254	5.26	0.005	-	-
ASSAY	KL017255	4.35	0.008	-	-
ASSAY	KL017256	5.70	0.007	-	-
ASSAY	KL017257	2.98	0.006	-	-
ASSAY	KL017258	4.92	< 0.005	-	-
ASSAY	KL017259	5.08	< 0.005	-	-
ASSAY	KL017260	0.0660	3.22	-	-
ASSAY	KL017261	4.50	< 0.005	-	-
ASSAY	KL017262	3.61	0.024	-	-
ASSAY	KL017263	4.27	< 0.005	-	-
ASSAY	KL017264	4.21	0.028	-	-
ASSAY	KL017265	3.11	< 0.005	-	-
ASSAY	KL017266	2.83	< 0.005	-	-
ASSAY	KL017267	3.08	0.154	-	-
ASSAY	KL017268	2.93	< 0.005	-	-
ASSAY	KL017269	2.69	0.244	-	-
ASSAY	KL017270	1.22	< 0.005	-	-
ASSAY	KL017271	3.45	< 0.005	-	-
ASSAY	KL017272	3.74	0.007	-	-
ASSAY	KL017273	3.71	0.006	-	-
ASSAY	KL017274	2.03	< 0.005	-	-
ASSAY	KL017275	2.09	< 0.005	-	-
ASSAY	KL017276	4.22	< 0.005	-	-
PULPDUP	KL017196	-	0.008	-	-
PULPDUP	KL017206	-	< 0.005	-	-
PULPDUP	KL017216	-	< 0.005	-	-
PULPDUP	KL017223	-	< 0.005	-	-
PULPDUP	KL017235	-	0.006	-	-
PREPDUP	KL017237	-	0.035	-	-
PULPDUP	KL017244	-	< 0.005	-	-
PULPDUP	KL017269	-	0.263	-	-



Report No.: A22-00093
Report Date: 13-Jan-22
Date Submitted: 06-Jan-22
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

66 Rock samples were submitted for analysis.

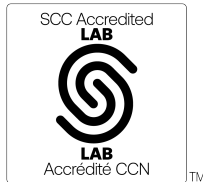
Table with 3 columns: Analytical package requested, Test name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-00093

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017653	2.26	0.018	-	-
ASSAY	KL017654	2.39	0.018	-	-
ASSAY	KL017655	1.32	0.020	-	-
ASSAY	KL017656	1.25	0.936	-	-
ASSAY	KL017657	1.23	0.730	-	-
ASSAY	KL017658	1.38	2.45	-	-
ASSAY	KL017659	1.15	0.218	-	-
ASSAY	KL017660	0.950	0.341	-	-
ASSAY	KL017661	0.939	0.022	-	-
ASSAY	KL017662	2.54	0.029	-	-
ASSAY	KL017663	2.30	0.010	-	-
ASSAY	KL017664	2.22	0.006	-	-
ASSAY	KL017665	1.21	0.009	-	-
ASSAY	KL017666	1.16	0.281	-	-
ASSAY	KL017667	2.31	0.017	-	-
ASSAY	KL017668	2.62	0.007	-	-
ASSAY	KL017669	2.21	< 0.005	-	-
ASSAY	KL017670	0.890	< 0.005	-	-
ASSAY	KL017671	2.61	0.006	-	-
ASSAY	KL017672	2.08	0.408	-	-
ASSAY	KL017673	2.34	< 0.005	-	-
ASSAY	KL017674	2.37	0.009	-	-
ASSAY	KL017675	2.16	< 0.005	-	-
ASSAY	KL017676	2.48	0.009	-	-
ASSAY	KL017677	1.06	0.025	-	-
ASSAY	KL017678	1.95	0.028	-	-
ASSAY	KL017679	1.96	0.013	-	-
ASSAY	KL017680	0.940	0.751	-	-
ASSAY	KL017681	2.36	0.021	-	-
ASSAY	KL017682	0.908	1.45	-	-
ASSAY	KL017683	1.19	0.687	-	-
ASSAY	KL017684	0.941	0.982	-	-
ASSAY	KL017685	1.51	0.653	-	-
ASSAY	KL017686	2.24	0.015	-	-
ASSAY	KL017687	2.44	0.011	-	-
ASSAY	KL017688	2.64	0.013	-	-
ASSAY	KL017689	1.12	0.657	-	-
ASSAY	KL017690	1.13	0.009	-	-
ASSAY	KL017691	2.42	0.207	-	-
ASSAY	KL017692	1.09	0.019	-	-
ASSAY	KL017693	2.55	0.016	-	-
ASSAY	KL017694	1.25	0.012	-	-
ASSAY	KL017695	1.80	0.007	-	-
ASSAY	KL017696	1.77	0.011	-	-
ASSAY	KL017697	2.45	0.009	-	-
ASSAY	KL017698	2.62	0.020	-	-
ASSAY	KL017699	2.30	0.018	-	-
ASSAY	KL017700	0.960	2.99	-	-
ASSAY	KL017701	2.23	0.015	-	-
ASSAY	KL017702	2.30	0.013	-	-
ASSAY	KL017703	2.81	0.012	-	-
ASSAY	KL017704	0.996	0.014	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017705	2.05	0.011	-	-
ASSAY	KL017706	1.62	0.013	-	-
ASSAY	KL017707	2.05	0.016	-	-
ASSAY	KL017708	1.68	0.012	-	-
ASSAY	KL017709	3.29	0.015	-	-
ASSAY	KL017710	1.16	0.005	-	-
ASSAY	KL017711	1.02	0.066	-	-
ASSAY	KL017712	1.31	0.017	-	-
ASSAY	KL017713	2.04	0.011	-	-
ASSAY	KL017714	1.27	0.013	-	-
ASSAY	KL017715	1.08	0.017	-	-
ASSAY	KL017716	1.16	0.009	-	-
ASSAY	KL017717	2.05	0.011	-	-
ASSAY	KL017718	1.43	0.009	-	-
PULPDUP	KL017662	-	0.028	-	-
PULPDUP	KL017681	-	0.022	-	-
PULPDUP	KL017695	-	0.012	-	-
PREPDUP	KL017701	-	0.014	-	-
PULPDUP	KL017704	-	0.013	-	-
PULPDUP	KL017713	-	0.010	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A22-00148
 Report Date: 12-Jan-22
 Date Submitted: 07-Jan-22
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

18 Rock samples were submitted for analysis.

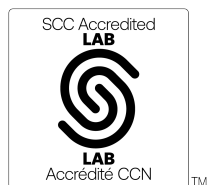
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-01-12 10:38:57
Weight Rpt (kg)-Timmins	Received Weights	2022-01-12 11:21:58

REPORT **A22-00148**

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Notes:

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



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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017729	2.04	< 0.005	-	-
ASSAY	KL017730	1.28	< 0.005	-	-
ASSAY	KL017731	1.69	< 0.005	-	-
ASSAY	KL017732	1.23	< 0.005	-	-
ASSAY	KL017733	0.935	< 0.005	-	-
ASSAY	KL017734	1.58	< 0.005	-	-
ASSAY	KL017735	1.75	0.016	-	-
ASSAY	KL017736	2.52	0.011	-	-
ASSAY	KL017737	2.57	< 0.005	-	-
ASSAY	KL017738	1.53	< 0.005	-	-
ASSAY	KL017739	1.07	< 0.005	-	-
ASSAY	KL017740	0.0660	0.747	-	-
ASSAY	KL017741	1.07	0.026	-	-
ASSAY	KL017742	1.23	0.026	-	-
ASSAY	KL017743	1.19	< 0.005	-	-
ASSAY	KL017744	1.36	0.051	-	-
ASSAY	KL017745	2.15	< 0.005	-	-
ASSAY	KL017746	2.46	< 0.005	-	-
PULPDUP	KL017738	-	< 0.005	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A22-00158
 Report Date: 22-Feb-22
 Date Submitted: 04-Jan-22
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

127 Rock samples were submitted for analysis.

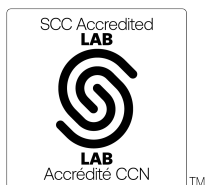
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-02-18 14:24:15
Weight Rpt (kg)-Timmins	Received Weights	2022-02-08 14:10:17

REPORT **A22-00158**

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Notes:

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



LabID: 709

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017277	2.02	0.055	-	-
ASSAY	KL017278	1.83	0.012	-	-
ASSAY	KL017279	4.54	0.065	-	-
ASSAY	KL017280	0.0670	0.754	-	-
ASSAY	KL017281	4.14	0.008	-	-
ASSAY	KL017282	4.45	0.010	-	-
ASSAY	KL017283	2.46	0.126	-	-
ASSAY	KL017284	1.71	0.016	-	-
ASSAY	KL017285	4.14	0.012	-	-
ASSAY	KL017286	3.87	0.011	-	-
ASSAY	KL017322	5.74	0.015	-	-
ASSAY	KL017323	5.13	0.013	-	-
ASSAY	KL017324	4.96	0.015	-	-
ASSAY	KL017325	4.51	0.015	-	-
ASSAY	KL017326	4.84	0.018	-	-
ASSAY	KL017327	4.43	0.012	-	-
ASSAY	KL017328	2.29	0.010	-	-
ASSAY	KL017329	2.38	0.014	-	-
ASSAY	KL017330	1.18	0.011	-	-
ASSAY	KL017331	4.53	0.016	-	-
ASSAY	KL017332	5.12	0.120	-	-
ASSAY	KL017333	4.96	0.014	-	-
ASSAY	KL017334	7.99	0.011	-	-
ASSAY	KL017335	1.61	0.009	-	-
ASSAY	KL017336	2.60	0.014	-	-
ASSAY	KL017337	2.37	0.012	-	-
ASSAY	KL017338	1.22	0.020	-	-
ASSAY	KL017339	1.04	0.012	-	-
ASSAY	KL017340	0.0670	0.799	-	-
ASSAY	KL017341	2.42	0.017	-	-
ASSAY	KL017342	1.81	0.014	-	-
ASSAY	KL017343	1.29	0.024	-	-
ASSAY	KL017344	1.27	0.019	-	-
ASSAY	KL017345	1.41	0.014	-	-
ASSAY	KL017346	1.23	0.012	-	-
ASSAY	KL017347	1.90	0.017	-	-
ASSAY	KL017348	1.88	0.019	-	-
ASSAY	KL017349	1.52	0.043	-	-
ASSAY	KL017350	1.01	0.010	-	-
ASSAY	KL017351	0.895	0.034	-	-
ASSAY	KL017352	1.03	0.078	-	-
ASSAY	KL017353	1.04	0.025	-	-
ASSAY	KL017354	0.857	0.021	-	-
ASSAY	KL017355	1.82	0.020	-	-
ASSAY	KL017356	0.623	0.027	-	-
ASSAY	KL017357	1.97	0.043	-	-
ASSAY	KL017358	2.07	0.014	-	-
ASSAY	KL017359	2.38	0.013	-	-
ASSAY	KL017360	0.0670	0.344	-	-
ASSAY	KL017361	2.18	0.013	-	-
ASSAY	KL017362	2.21	0.011	-	-
ASSAY	KL017363	0.874	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017364	2.37	0.015	-	-
ASSAY	KL017365	1.15	0.011	-	-
ASSAY	KL017366	2.37	0.013	-	-
ASSAY	KL017367	1.04	0.008	-	-
ASSAY	KL017368	1.29	0.013	-	-
ASSAY	KL017369	2.26	< 0.005	-	-
ASSAY	KL017370	1.03	< 0.005	-	-
ASSAY	KL017371	2.17	0.007	-	-
ASSAY	KL017372	2.23	< 0.005	-	-
ASSAY	KL017373	2.33	< 0.005	-	-
ASSAY	KL017374	2.28	< 0.005	-	-
ASSAY	KL017375	1.21	< 0.005	-	-
ASSAY	KL017376	1.55	< 0.005	-	-
ASSAY	KL017377	2.27	0.005	-	-
ASSAY	KL017378	2.49	< 0.005	-	-
ASSAY	KL017379	2.51	0.015	-	-
ASSAY	KL017380	0.0670	0.777	-	-
ASSAY	KL017381	2.37	0.856	-	-
ASSAY	KL017382	2.60	0.006	-	-
ASSAY	KL017383	2.29	0.009	-	-
ASSAY	KL017384	2.89	0.008	-	-
ASSAY	KL017385	0.915	0.007	-	-
ASSAY	KL017386	1.54	0.006	-	-
ASSAY	KL017387	2.03	0.010	-	-
ASSAY	KL017388	2.92	0.007	-	-
ASSAY	KL017389	2.38	0.009	-	-
ASSAY	KL017390	1.28	0.010	-	-
ASSAY	KL017391	0.985	0.006	-	-
ASSAY	KL017392	0.869	0.018	-	-
ASSAY	KL017393	2.37	0.013	-	-
ASSAY	KL017394	1.17	0.012	-	-
ASSAY	KL017395	1.55	0.018	-	-
ASSAY	KL017396	2.16	0.015	-	-
ASSAY	KL017397	2.45	0.013	-	-
ASSAY	KL017398	2.81	0.011	-	-
ASSAY	KL017399	2.28	< 0.005	-	-
ASSAY	KL017400	0.0670	3.00	-	-
ASSAY	KL017401	2.25	0.011	-	-
ASSAY	KL017402	2.27	< 0.005	-	-
ASSAY	KL017403	1.00	0.006	-	-
ASSAY	KL017404	1.09	< 0.005	-	-
ASSAY	KL017405	2.17	< 0.005	-	-
ASSAY	KL017406	2.05	0.011	-	-
ASSAY	KL017407	2.34	0.024	-	-
ASSAY	KL017408	2.30	0.015	-	-
ASSAY	KL017409	2.23	0.007	-	-
ASSAY	KL017410	1.17	0.005	-	-
ASSAY	KL017411	1.83	0.017	-	-
ASSAY	KL017412	2.30	0.009	-	-
ASSAY	KL017413	2.39	0.037	-	-
ASSAY	KL017414	2.00	0.006	-	-
ASSAY	KL017415	2.23	0.014	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017416	1.74	0.006	-	-
ASSAY	KL017417	1.27	0.006	-	-
ASSAY	KL017418	1.03	0.006	-	-
ASSAY	KL017419	2.11	< 0.005	-	-
ASSAY	KL017420	0.0670	0.343	-	-
ASSAY	KL017421	2.33	0.007	-	-
ASSAY	KL017422	2.33	< 0.005	-	-
ASSAY	KL017423	2.55	0.908	-	-
ASSAY	KL017424	2.58	0.007	-	-
ASSAY	KL017425	1.92	0.006	-	-
ASSAY	KL017426	2.30	< 0.005	-	-
ASSAY	KL017427	2.15	0.005	-	-
ASSAY	KL017428	2.31	< 0.005	-	-
ASSAY	KL017429	1.79	< 0.005	-	-
ASSAY	KL017430	1.17	< 0.005	-	-
ASSAY	KL017431	2.58	< 0.005	-	-
ASSAY	KL017432	2.53	0.007	-	-
ASSAY	KL017433	2.11	< 0.005	-	-
ASSAY	KL017434	2.36	0.008	-	-
ASSAY	KL017435	2.26	0.006	-	-
ASSAY	KL017436	2.38	< 0.005	-	-
ASSAY	KL017437	1.48	< 0.005	-	-
ASSAY	KL017438	2.42	< 0.005	-	-
PULPDUP	KL017279	-	0.065	-	-
PULPDUP	KL017324	-	0.015	-	-
PULPDUP	KL017329	-	0.012	-	-
PULPDUP	KL017344	-	0.021	-	-
PULPDUP	KL017354	-	0.024	-	-
PREPDUP	KL017361	-	0.012	-	-
PULPDUP	KL017368	-	0.011	-	-
PULPDUP	KL017383	-	0.009	-	-
PULPDUP	KL017393	-	0.009	-	-
PULPDUP	KL017398	-	0.005	-	-
PULPDUP	KL017408	-	0.014	-	-
PREPDUP	KL017411	-	0.018	-	-
PULPDUP	KL017423	-	0.823	-	-



Report No.: A22-00209
Report Date: 13-Jan-22
Date Submitted: 10-Jan-22
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

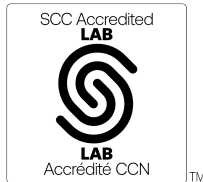
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-00209

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017778	2.49	0.008	-	-
ASSAY	KL017779	2.52	0.011	-	-
ASSAY	KL017780	0.0660	0.356	-	-
ASSAY	KL017781	1.98	0.005	-	-
ASSAY	KL017782	2.79	< 0.005	-	-
ASSAY	KL017783	2.26	< 0.005	-	-
ASSAY	KL017784	2.38	0.005	-	-
ASSAY	KL017785	2.42	0.020	-	-
ASSAY	KL017786	2.26	< 0.005	-	-
ASSAY	KL017787	2.38	< 0.005	-	-
ASSAY	KL017788	2.43	0.031	-	-
ASSAY	KL017789	2.39	0.005	-	-
ASSAY	KL017790	1.16	0.010	-	-
ASSAY	KL017791	2.34	0.008	-	-
ASSAY	KL017792	2.43	0.022	-	-
ASSAY	KL017793	1.27	0.065	-	-
ASSAY	KL017794	1.19	0.299	-	-
ASSAY	KL017795	1.29	0.024	-	-
ASSAY	KL017796	2.35	0.009	-	-
ASSAY	KL017797	1.36	0.024	-	-
ASSAY	KL017798	2.55	0.009	-	-
PULPDUP	KL017784	-	< 0.005	-	-



Report No.: A22-00395
Report Date: 23-Feb-22
Date Submitted: 04-Jan-22
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

96 Rock samples were submitted for analysis.

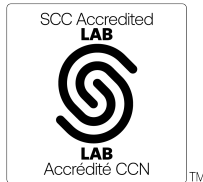
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-00395

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Notes:

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



LabID: 709

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017497	2.79	< 0.005	-	-
ASSAY	KL017498	2.50	< 0.005	-	-
ASSAY	KL017499	2.38	< 0.005	-	-
ASSAY	KL017500	0.0660	0.777	-	-
ASSAY	KL017501	1.13	< 0.005	-	-
ASSAY	KL017502	1.24	0.206	-	-
ASSAY	KL017503	2.39	0.159	-	-
ASSAY	KL017504	2.36	< 0.005	-	-
ASSAY	KL017505	2.34	0.008	-	-
ASSAY	KL017506	2.65	< 0.005	-	-
ASSAY	KL017507	2.45	0.008	-	-
ASSAY	KL017508	2.51	0.005	-	-
ASSAY	KL017509	1.86	0.022	-	-
ASSAY	KL017510	1.13	< 0.005	-	-
ASSAY	KL017511	3.03	0.012	-	-
ASSAY	KL017512	2.66	0.012	-	-
ASSAY	KL017513	2.60	0.008	-	-
ASSAY	KL017514	2.44	0.008	-	-
ASSAY	KL017515	2.58	0.014	-	-
ASSAY	KL017516	2.54	< 0.005	-	-
ASSAY	KL017517	2.61	0.014	-	-
ASSAY	KL017518	1.01	0.059	-	-
ASSAY	KL017519	1.14	< 0.005	-	-
ASSAY	KL017520	0.0660	3.05	-	-
ASSAY	KL017521	2.05	< 0.005	-	-
ASSAY	KL017522	2.21	0.013	-	-
ASSAY	KL017523	1.23	0.012	-	-
ASSAY	KL017524	1.60	0.010	-	-
ASSAY	KL017555	2.21	< 0.005	-	-
ASSAY	KL017556	2.36	< 0.005	-	-
ASSAY	KL017557	2.15	< 0.005	-	-
ASSAY	KL017558	1.26	< 0.005	-	-
ASSAY	KL017559	1.31	< 0.005	-	-
ASSAY	KL017560	0.0660	0.773	-	-
ASSAY	KL017561	1.40	< 0.005	-	-
ASSAY	KL017562	1.19	< 0.005	-	-
ASSAY	KL017563	2.38	< 0.005	-	-
ASSAY	KL017564	2.29	0.011	-	-
ASSAY	KL017565	2.31	< 0.005	-	-
ASSAY	KL017566	2.52	< 0.005	-	-
ASSAY	KL017567	2.21	< 0.005	-	-
ASSAY	KL017568	2.37	0.006	-	-
ASSAY	KL017569	2.55	0.111	-	-
ASSAY	KL017570	1.11	< 0.005	-	-
ASSAY	KL017571	2.46	< 0.005	-	-
ASSAY	KL017572	2.34	< 0.005	-	-
ASSAY	KL017573	2.00	< 0.005	-	-
ASSAY	KL017574	2.16	0.008	-	-
ASSAY	KL017575	2.31	0.008	-	-
ASSAY	KL017576	2.00	0.023	-	-
ASSAY	KL017577	2.04	< 0.005	-	-
ASSAY	KL017578	2.35	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017602	2.41	< 0.005	-	-
ASSAY	KL017603	2.26	0.047	-	-
ASSAY	KL017604	2.34	0.012	-	-
ASSAY	KL017605	2.57	< 0.005	-	-
ASSAY	KL017606	1.21	0.546	-	-
ASSAY	KL017607	1.69	0.029	-	-
ASSAY	KL017608	2.09	< 0.005	-	-
ASSAY	KL017609	2.23	< 0.005	-	-
ASSAY	KL017610	1.09	< 0.005	-	-
ASSAY	KL017611	2.38	0.007	-	-
ASSAY	KL017612	2.41	0.005	-	-
ASSAY	KL017613	2.79	< 0.005	-	-
ASSAY	KL017614	1.02	< 0.005	-	-
ASSAY	KL017615	1.15	0.017	-	-
ASSAY	KL017616	2.47	0.007	-	-
ASSAY	KL017617	2.65	0.006	-	-
ASSAY	KL017618	2.18	0.006	-	-
ASSAY	KL017619	2.52	< 0.005	-	-
ASSAY	KL017620	0.0660	0.776	-	-
ASSAY	KL017621	2.35	< 0.005	-	-
ASSAY	KL017622	2.78	< 0.005	-	-
ASSAY	KL017623	2.44	< 0.005	-	-
ASSAY	KL017624	2.30	0.008	-	-
ASSAY	KL017625	2.33	< 0.005	-	-
ASSAY	KL017626	2.38	< 0.005	-	-
ASSAY	KL017627	2.42	< 0.005	-	-
ASSAY	KL017628	2.31	< 0.005	-	-
ASSAY	KL017629	2.40	< 0.005	-	-
ASSAY	KL017630	1.31	< 0.005	-	-
ASSAY	KL017631	2.46	< 0.005	-	-
ASSAY	KL017632	2.62	< 0.005	-	-
ASSAY	KL017633	2.33	< 0.005	-	-
ASSAY	KL017649	0.964	0.005	-	-
ASSAY	KL017650	1.14	0.005	-	-
ASSAY	KL017651	1.09	0.025	-	-
ASSAY	KL017652	2.40	0.009	-	-
ASSAY	KL009970	1.89	0.008	-	-
ASSAY	KL009971	1.23	0.009	-	-
ASSAY	KL009972	1.28	0.005	-	-
ASSAY	KL009973	1.20	0.008	-	-
ASSAY	KL009974	1.44	< 0.005	-	-
ASSAY	KL009975	1.18	< 0.005	-	-
ASSAY	KL009976	1.05	< 0.005	-	-
ASSAY	KL009977	1.31	< 0.005	-	-
PULPDUP	KL017505	-	< 0.005	-	-
PULPDUP	KL017515	-	0.016	-	-
PULPDUP	KL017555	-	< 0.005	-	-
PULPDUP	KL017562	-	< 0.005	-	-
PULPDUP	KL017574	-	0.008	-	-
PREPDUP	KL017576	-	0.010	-	-
PULPDUP	KL017616	-	0.006	-	-
PULPDUP	KL017631	-	< 0.005	-	-

Results**Activation Laboratories Ltd.****Report: A22-00395**

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE	Wgt	Au	Au	Au
DESCRIPTION		Kg	g/mt		
PULPDUP	KL009973	-	0.009	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A22-00405
 Report Date: 23-Feb-22
 Date Submitted: 13-Jan-22
 Your Reference: Carscallen

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

55 Rock samples were submitted for analysis.

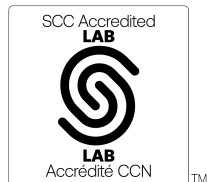
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-02-23 07:22:42
Weight Rpt (kg)-Timmins	Received Weights	2022-02-14 08:41:33

REPORT **A22-00405**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017719	2.59	< 0.005	-	-
ASSAY	KL017720	0.0670	0.364	-	-
ASSAY	KL017721	1.21	0.015	-	-
ASSAY	KL017722	1.29	0.009	-	-
ASSAY	KL017723	1.28	0.009	-	-
ASSAY	KL017724	0.925	0.029	-	-
ASSAY	KL017725	1.42	0.016	-	-
ASSAY	KL017726	1.14	0.011	-	-
ASSAY	KL017727	2.33	0.011	-	-
ASSAY	KL017728	1.28	0.012	-	-
ASSAY	KL017747	2.61	0.007	-	-
ASSAY	KL017748	2.54	0.006	-	-
ASSAY	KL017749	2.40	0.005	-	-
ASSAY	KL017750	1.17	0.005	-	-
ASSAY	KL017751	1.26	0.035	-	-
ASSAY	KL017752	1.19	0.008	-	-
ASSAY	KL017753	2.33	0.007	-	-
ASSAY	KL017754	2.12	< 0.005	-	-
ASSAY	KL017755	1.36	< 0.005	-	-
ASSAY	KL017756	1.29	0.006	-	-
ASSAY	KL017757	2.51	0.008	-	-
ASSAY	KL017758	2.47	0.014	-	-
ASSAY	KL017759	2.33	0.007	-	-
ASSAY	KL017760	0.0680	3.07	-	-
ASSAY	KL017761	1.99	0.009	-	-
ASSAY	KL017762	2.22	0.011	-	-
ASSAY	KL017763	2.18	0.022	-	-
ASSAY	KL017764	1.73	0.028	-	-
ASSAY	KL017765	2.32	0.019	-	-
ASSAY	KL017766	1.14	0.021	-	-
ASSAY	KL017767	1.28	0.033	-	-
ASSAY	KL017768	2.40	0.022	-	-
ASSAY	KL017769	2.23	0.020	-	-
ASSAY	KL017770	1.13	< 0.005	-	-
ASSAY	KL017771	2.20	0.017	-	-
ASSAY	KL017772	1.59	0.007	-	-
ASSAY	KL017773	2.55	0.010	-	-
ASSAY	KL017774	1.27	0.010	-	-
ASSAY	KL017775	2.16	0.033	-	-
ASSAY	KL017776	2.20	0.009	-	-
ASSAY	KL017777	2.29	0.011	-	-
ASSAY	KL017799	2.21	0.005	-	-
ASSAY	KL017800	0.0670	0.766	-	-
ASSAY	KL017801	2.38	0.005	-	-
ASSAY	KL017802	2.29	< 0.005	-	-
ASSAY	KL017803	2.46	< 0.005	-	-
ASSAY	KL017804	2.50	< 0.005	-	-
ASSAY	KL017805	2.38	< 0.005	-	-
ASSAY	KL017806	2.50	0.009	-	-
ASSAY	KL017807	2.50	0.006	-	-
ASSAY	KL017808	2.43	0.005	-	-
ASSAY	KL017809	2.15	0.008	-	-

Results

Activation Laboratories Ltd.

Report: A22-00405

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	KL017810	1.25	0.005	-	-
ASSAY	KL017811	2.53	0.023	-	-
ASSAY	KL017812	2.65	0.007	-	-
PULPDUP	KL017725	-	0.011	-	-
PULPDUP	KL017753	-	0.009	-	-
PULPDUP	KL017763	-	0.018	-	-
PULPDUP	KL017804	-	< 0.005	-	-
PREPDUP	KL017807	-	0.010	-	-



Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

Report No.: A22-01814
 Report Date: 22-Mar-22
 Date Submitted: 14-Feb-22
 Your Reference: Carscallen

ATTN: Kara Byrnes

CERTIFICATE OF ANALYSIS

19 Rock samples were submitted for analysis.

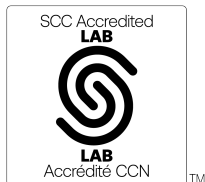
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-03-22 07:05:41
Weight Rpt (kg)-Timmins	Received Weights	2022-02-14 14:13:30

REPORT **A22-01814**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL017468	2.14	< 0.005	-	-
ASSAY	KL017469	2.14	0.012	-	-
ASSAY	KL017470	1.05	< 0.005	-	-
ASSAY	KL017471	2.44	0.007	-	-
ASSAY	KL017472	1.88	< 0.005	-	-
ASSAY	KL017473	1.96	< 0.005	-	-
ASSAY	KL017474	2.09	< 0.005	-	-
ASSAY	KL017475	2.08	0.014	-	-
ASSAY	KL017476	3.38	< 0.005	-	-
ASSAY	KL017477	0.985	0.008	-	-
ASSAY	KL017478	1.26	0.012	-	-
ASSAY	KL017479	1.77	< 0.005	-	-
ASSAY	KL017480	0.0660	0.346	-	-
ASSAY	KL017481	2.48	< 0.005	-	-
ASSAY	KL017482	1.04	< 0.005	-	-
ASSAY	KL017483	1.52	0.009	-	-
ASSAY	KL017484	2.13	0.006	-	-
ASSAY	KL017485	2.28	0.006	-	-
ASSAY	KL017486	2.32	0.007	-	-
PULPDUP	KL017474	-	< 0.005	-	-
PULPDUP	KL017482	-	< 0.005	-	-



KIRKLAND LAKE GOLD

Rock (Grab) Sample Assay Certificates



Report No.: A21-15850
Report Date: 09-Sep-21
Date Submitted: 19-Aug-21
Your Reference: Taylor

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

56 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

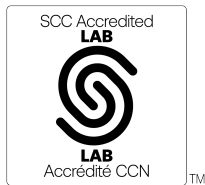
REPORT A21-15850

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Notes:

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

Footnote: no material for sample B301091.



LabID: 709

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt	g/tonne	
ASSAY	B301063	0.586	> 10.0	52.6	-
ASSAY	B301064	1.51	> 10.0	55.1	-
ASSAY	B301065	1.13	> 10.0	36.9	-
ASSAY	B301066	0.684	> 10.0	14.9	-
ASSAY	B301067	0.943	3.37	-	-
ASSAY	B301068	1.31	> 10.0	22.5	-
ASSAY	B301069	1.27	> 10.0	17.8	-
ASSAY	B301070	0.893	> 10.0	71.9	-
ASSAY	B301056	1.11	5.61	-	-
ASSAY	B301057	1.49	> 10.0	13.4	-
ASSAY	B301058	0.987	> 10.0	17.0	-
ASSAY	B301059	1.18	7.25	-	-
ASSAY	B301060	1.10	> 10.0	18.0	-
ASSAY	B301061	1.50	1.03	-	-
ASSAY	B301062	0.468	5.09	-	-
ASSAY	B301051	0.829	0.335	-	-
ASSAY	B301052	1.99	3.14	-	-
ASSAY	B301053	1.84	7.83	-	-
ASSAY	B301054	1.11	> 10.0	16.6	-
ASSAY	B301055	0.802	> 10.0	20.2	-
ASSAY	B301071	0.674	0.986	-	-
ASSAY	B301072	1.20	> 10.0	11.9	-
ASSAY	B301073	0.888	> 10.0	18.1	-
ASSAY	B301074	0.905	3.64	-	-
ASSAY	B301075	0.936	1.89	-	-
ASSAY	B301076	0.597	6.22	-	-
ASSAY	B301077	0.938	5.99	-	-
ASSAY	B301078	1.31	3.40	-	-
ASSAY	B301079	1.52	6.88	-	-
ASSAY	B301080	0.878	0.714	-	-
ASSAY	B301081	1.46	3.42	-	-
ASSAY	B301082	1.32	0.440	-	-
ASSAY	B301083	1.12	1.13	-	-
ASSAY	B301084	0.603	2.71	-	-
ASSAY	B301085	0.893	2.86	-	-
ASSAY	B301086	1.58	6.09	-	-
ASSAY	B301087	1.21	6.63	-	-
ASSAY	B301088	1.08	1.06	-	-
ASSAY	B301089	1.06	1.05	-	-
ASSAY	B301090	0.886	0.811	-	-
ASSAY	B301091	-	-	-	-
ASSAY	B301092	0.0660	0.349	-	-
ASSAY	B301093	1.10	5.77	-	-
ASSAY	B301094	1.95	6.97	-	-
ASSAY	B301095	1.68	> 10.0	14.0	-
ASSAY	B301096	1.41	5.80	-	-
ASSAY	B301097	1.40	> 10.0	24.1	-
ASSAY	B301098	1.26	4.54	-	-
ASSAY	B301099	1.53	4.76	-	-
ASSAY	B301100	0.0660	3.25	-	-
ASSAY	B301101	1.33	> 10.0	40.1	-
ASSAY	B301102	1.56	7.91	-	-

Results

Activation Laboratories Ltd.

Report: A21-15850

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt	g/tonne	
ASSAY	B301103	1.23	7.43	-	-
ASSAY	B301104	1.49	> 10.0	56.1	-
ASSAY	B301105	1.43	> 10.0	12.3	-
ASSAY	B301106	1.13	> 10.0	44.7	-
PULPDUP	B301057	-	> 10.0	-	-
PULPDUP	B301055	-	> 10.0	-	-
PULPDUP	B301080	-	0.725	-	-
PREPDUP	B301101	-	> 10.0	39.5	-
PULPDUP	B301102	-	7.30	-	-



Report No.: A21-16301 (i)
Report Date: 04-Sep-21
Date Submitted: 27-Aug-21
Your Reference: Cars Grab

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

27 Rock samples were submitted for analysis.

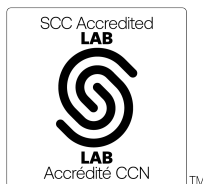
Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

REPORT A21-16301 (i)

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Notes:

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



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

[Handwritten signature]

Rob Hoffman
Region Manager

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	B301107	0.838	0.054	-	-
ASSAY	B301108	1.15	0.312	-	-
ASSAY	B301109	0.828	7.32	-	-
ASSAY	B301110	0.894	> 10.0	9.20	-
ASSAY	B301111	0.665	0.936	-	-
ASSAY	B301112	1.22	1.19	-	-
ASSAY	B301113	1.18	2.12	-	-
ASSAY	B301114	1.17	1.42	-	-
ASSAY	B301115	0.738	0.348	-	-
ASSAY	B301116	1.83	0.670	-	-
ASSAY	B301117	1.32	0.439	-	-
ASSAY	B301118	0.980	0.972	-	-
ASSAY	B301119	1.00	0.178	-	-
ASSAY	B301120	1.07	4.97	-	-
ASSAY	B301121	1.75	1.03	-	-
ASSAY	B301122	1.93	0.839	-	-
ASSAY	B301123	1.28	1.62	-	-
ASSAY	B301124	1.24	3.05	-	-
ASSAY	B301125	0.913	4.80	-	-
ASSAY	B301126	1.34	2.99	-	-
ASSAY	B301127	0.838	0.258	-	-
ASSAY	B301128	0.0660	0.342	-	-
ASSAY	B301129	1.36	> 10.0	11.6	-
ASSAY	B301130	0.818	0.039	-	-
ASSAY	B301131	1.21	1.87	-	-
ASSAY	B301132	1.17	2.58	-	-
ASSAY	B301133	1.26	1.46	-	-
PULPDUP	B301116	-	0.770	-	-
PULPDUP	B301126	-	3.09	-	-



KIRKLAND LAKE GOLD

Soil Geochemical Sampling Certificates



Report No.: A21-17420
 Report Date: 29-Oct-21
 Date Submitted: 15-Sep-21
 Your Reference: Melkior

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

200 Soil samples were submitted for analysis.

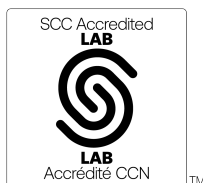
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	GOP AA-Au (Au - Fire Assay AA)	2021-10-28 12:32:46

REPORT **A21-17420**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780001	< 0.005	-	-	-
ASSAY	B780002	< 0.005	-	-	-
ASSAY	B780003	< 0.005	-	-	-
ASSAY	B780004	< 0.005	-	-	-
ASSAY	B780005	< 0.005	-	-	-
ASSAY	B780006	< 0.005	-	-	-
ASSAY	B780007	< 0.005	-	-	-
ASSAY	B780008	< 0.005	-	-	-
ASSAY	B780009	< 0.005	-	-	-
ASSAY	B780010	0.006	-	-	-
ASSAY	B780011	0.007	-	-	-
ASSAY	B780012	0.006	-	-	-
ASSAY	B780013	0.007	-	-	-
ASSAY	B780014	0.006	-	-	-
ASSAY	B780015	< 0.005	-	-	-
ASSAY	B780016	0.013	-	-	-
ASSAY	B780017	< 0.005	-	-	-
ASSAY	B780018	< 0.005	-	-	-
ASSAY	B780019	< 0.005	-	-	-
ASSAY	B780020	< 0.005	-	-	-
ASSAY	B780021	< 0.005	-	-	-
ASSAY	B780022	< 0.005	-	-	-
ASSAY	B780023	< 0.005	-	-	-
ASSAY	B780024	< 0.005	-	-	-
ASSAY	B780025	< 0.005	-	-	-
ASSAY	B780026	< 0.005	-	-	-
ASSAY	B780027	0.034	-	-	-
ASSAY	B780028	0.019	-	-	-
ASSAY	B780029	0.006	-	-	-
ASSAY	B780030	0.012	-	-	-
ASSAY	B780031	0.009	-	-	-
ASSAY	B780032	0.011	-	-	-
ASSAY	B780033	0.007	-	-	-
ASSAY	B780034	< 0.005	-	-	-
ASSAY	B780035	0.005	-	-	-
ASSAY	B780036	< 0.005	-	-	-
ASSAY	B780037	0.005	-	-	-
ASSAY	B780038	0.091	-	-	-
ASSAY	B780039	< 0.005	-	-	-
ASSAY	B780040	< 0.005	-	-	-
ASSAY	B780041	< 0.005	-	-	-
ASSAY	B780042	< 0.005	-	-	-
ASSAY	B780043	< 0.005	-	-	-
ASSAY	B780044	< 0.005	-	-	-
ASSAY	B780045	< 0.005	-	-	-
ASSAY	B780046	< 0.005	-	-	-
ASSAY	B780047	0.014	-	-	-
ASSAY	B780048	< 0.005	-	-	-
ASSAY	B780049	0.012	-	-	-
ASSAY	B780050	0.005	-	-	-
ASSAY	B780051	0.005	-	-	-
ASSAY	B780052	0.006	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780053	< 0.005	-	-	-
ASSAY	B780054	< 0.005	-	-	-
ASSAY	B780055	< 0.005	-	-	-
ASSAY	B780056	0.005	-	-	-
ASSAY	B780057	0.006	-	-	-
ASSAY	B780058	0.006	-	-	-
ASSAY	B780059	0.007	-	-	-
ASSAY	B780060	0.005	-	-	-
ASSAY	B780061	< 0.005	-	-	-
ASSAY	B780062	< 0.005	-	-	-
ASSAY	B780063	< 0.005	-	-	-
ASSAY	B780064	< 0.005	-	-	-
ASSAY	B780065	< 0.005	-	-	-
ASSAY	B780066	< 0.005	-	-	-
ASSAY	B780067	< 0.005	-	-	-
ASSAY	B780068	< 0.005	-	-	-
ASSAY	B780069	< 0.005	-	-	-
ASSAY	B780070	< 0.005	-	-	-
ASSAY	B780071	< 0.005	-	-	-
ASSAY	B780072	< 0.005	-	-	-
ASSAY	B780073	0.088	-	-	-
ASSAY	B780074	< 0.005	-	-	-
ASSAY	B780075	0.046	-	-	-
ASSAY	B780076	< 0.005	-	-	-
ASSAY	B780077	0.006	-	-	-
ASSAY	B780078	0.005	-	-	-
ASSAY	B780079	0.005	-	-	-
ASSAY	B780080	0.008	-	-	-
ASSAY	B780081	0.009	-	-	-
ASSAY	B780082	0.019	-	-	-
ASSAY	B780083	0.010	-	-	-
ASSAY	B780084	0.008	-	-	-
ASSAY	B780085	0.008	-	-	-
ASSAY	B780086	0.010	-	-	-
ASSAY	B780087	0.010	-	-	-
ASSAY	B780088	0.005	-	-	-
ASSAY	B780089	0.005	-	-	-
ASSAY	B780090	0.005	-	-	-
ASSAY	B780091	0.007	-	-	-
ASSAY	B780092	0.006	-	-	-
ASSAY	B780093	0.007	-	-	-
ASSAY	B780094	0.005	-	-	-
ASSAY	B780095	0.006	-	-	-
ASSAY	B780096	< 0.005	-	-	-
ASSAY	B780097	0.006	-	-	-
ASSAY	B780098	< 0.005	-	-	-
ASSAY	B780099	0.007	-	-	-
ASSAY	B780100	0.012	-	-	-
ASSAY	B780101	0.007	-	-	-
ASSAY	B780102	0.009	-	-	-
ASSAY	B780103	0.007	-	-	-
ASSAY	B780104	0.008	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780105	0.008	-	-	-
ASSAY	B780106	0.012	-	-	-
ASSAY	B780107	0.011	-	-	-
ASSAY	B780108	0.008	-	-	-
ASSAY	B780109	0.009	-	-	-
ASSAY	B780110	0.009	-	-	-
ASSAY	B780111	0.009	-	-	-
ASSAY	B780112	0.010	-	-	-
ASSAY	B780113	0.007	-	-	-
ASSAY	B780114	0.011	-	-	-
ASSAY	B780115	0.007	-	-	-
ASSAY	B780116	0.008	-	-	-
ASSAY	B780117	0.007	-	-	-
ASSAY	B780118	< 0.005	-	-	-
ASSAY	B780119	< 0.005	-	-	-
ASSAY	B780120	< 0.005	-	-	-
ASSAY	B780121	< 0.005	-	-	-
ASSAY	B780122	< 0.005	-	-	-
ASSAY	B780123	0.005	-	-	-
ASSAY	B780124	< 0.005	-	-	-
ASSAY	B780125	< 0.005	-	-	-
ASSAY	B780126	< 0.005	-	-	-
ASSAY	B780127	< 0.005	-	-	-
ASSAY	B780128	< 0.005	-	-	-
ASSAY	B780129	< 0.005	-	-	-
ASSAY	B780130	< 0.005	-	-	-
ASSAY	B780131	< 0.005	-	-	-
ASSAY	B780132	< 0.005	-	-	-
ASSAY	B780133	0.046	-	-	-
ASSAY	B780134	< 0.005	-	-	-
ASSAY	B780135	< 0.005	-	-	-
ASSAY	B780136	< 0.005	-	-	-
ASSAY	B780137	< 0.005	-	-	-
ASSAY	B780138	0.005	-	-	-
ASSAY	B780139	0.009	-	-	-
ASSAY	B780140	0.009	-	-	-
ASSAY	B780141	0.009	-	-	-
ASSAY	B780142	0.009	-	-	-
ASSAY	B780143	0.009	-	-	-
ASSAY	B780144	0.009	-	-	-
ASSAY	B780145	0.008	-	-	-
ASSAY	B780146	0.012	-	-	-
ASSAY	B780147	0.010	-	-	-
ASSAY	B780148	0.008	-	-	-
ASSAY	B780149	0.009	-	-	-
ASSAY	B780150	0.053	-	-	-
ASSAY	B780151	0.012	-	-	-
ASSAY	B780152	0.008	-	-	-
ASSAY	B780153	< 0.005	-	-	-
ASSAY	B780154	< 0.005	-	-	-
ASSAY	B780155	< 0.005	-	-	-
ASSAY	B780156	< 0.005	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780157	< 0.005	-	-	-
ASSAY	B780158	< 0.005	-	-	-
ASSAY	B780159	< 0.005	-	-	-
ASSAY	B780160	< 0.005	-	-	-
ASSAY	B780161	< 0.005	-	-	-
ASSAY	B780162	< 0.005	-	-	-
ASSAY	B780163	< 0.005	-	-	-
ASSAY	B780164	< 0.005	-	-	-
ASSAY	B780165	< 0.005	-	-	-
ASSAY	B780166	< 0.005	-	-	-
ASSAY	B780167	< 0.005	-	-	-
ASSAY	B780168	< 0.005	-	-	-
ASSAY	B780169	0.006	-	-	-
ASSAY	B780170	< 0.005	-	-	-
ASSAY	B780171	< 0.005	-	-	-
ASSAY	B780172	< 0.005	-	-	-
ASSAY	B780173	0.007	-	-	-
ASSAY	B780174	0.010	-	-	-
ASSAY	B780175	0.005	-	-	-
ASSAY	B780176	< 0.005	-	-	-
ASSAY	B780177	< 0.005	-	-	-
ASSAY	B780178	< 0.005	-	-	-
ASSAY	B780179	0.008	-	-	-
ASSAY	B780180	< 0.005	-	-	-
ASSAY	B780181	0.006	-	-	-
ASSAY	B780182	0.005	-	-	-
ASSAY	B780183	0.138	-	-	-
ASSAY	B780184	0.016	-	-	-
ASSAY	B780185	0.005	-	-	-
ASSAY	B780186	< 0.005	-	-	-
ASSAY	B780187	< 0.005	-	-	-
ASSAY	B780188	0.008	-	-	-
ASSAY	B780189	0.007	-	-	-
ASSAY	B780190	0.006	-	-	-
ASSAY	B780191	0.006	-	-	-
ASSAY	B780192	0.005	-	-	-
ASSAY	B780193	0.006	-	-	-
ASSAY	B780194	0.005	-	-	-
ASSAY	B780195	0.005	-	-	-
ASSAY	B780196	0.006	-	-	-
ASSAY	B780197	0.005	-	-	-
ASSAY	B780198	0.009	-	-	-
ASSAY	B780199	0.007	-	-	-
ASSAY	B780200	0.013	-	-	-
PULPDUP	B780010	0.006	-	-	-
PULPDUP	B780020	< 0.005	-	-	-
PULPDUP	B780030	0.010	-	-	-
PULPDUP	B780045	< 0.005	-	-	-
PREPDUP	B780051	0.005	-	-	-
PULPDUP	B780054	< 0.005	-	-	-
PULPDUP	B780064	< 0.005	-	-	-
PULPDUP	B780079	0.007	-	-	-

Results

Activation Laboratories Ltd.

Report: A21-17420

		Au-AA	Au-GRA	Au-SCR	none
	SAMPLE	Au	Au	Au	WGHT
SAMPLE TYPE	DESCRIPTION	g/mt			
PULPDUP	B780089	0.007	-	-	-
PULPDUP	B780099	0.006	-	-	-
PREPDUP	B780101	0.017	-	-	-
PULPDUP	B780113	0.008	-	-	-
PULPDUP	B780123	0.009	-	-	-
PULPDUP	B780133	0.058	-	-	-
PULPDUP	B780148	0.009	-	-	-
PREPDUP	B780151	< 0.005	-	-	-
PULPDUP	B780157	< 0.005	-	-	-
PULPDUP	B780167	< 0.005	-	-	-
PULPDUP	B780182	< 0.005	-	-	-
PULPDUP	B780192	0.007	-	-	-
PREPDUP	B780199	0.005	-	-	-



Report No.: A21-17422
 Report Date: 02-Nov-21
 Date Submitted: 15-Sep-21
 Your Reference: Melkior

Kirkland Lake Gold
 1350 Government Road West
 Kirkland Lake ON P2N 3J1
 Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

200 Soil samples were submitted for analysis.

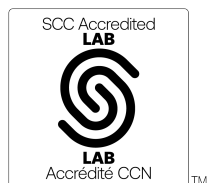
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	GOP AA-Au (Au - Fire Assay AA)	2021-11-01 15:49:31

REPORT **A21-17422**

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Notes:

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



LabID: 709

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780201	< 0.005	-	-	-
ASSAY	B780202	< 0.005	-	-	-
ASSAY	B780203	< 0.005	-	-	-
ASSAY	B780204	< 0.005	-	-	-
ASSAY	B780205	< 0.005	-	-	-
ASSAY	B780206	0.005	-	-	-
ASSAY	B780207	< 0.005	-	-	-
ASSAY	B780208	< 0.005	-	-	-
ASSAY	B780209	< 0.005	-	-	-
ASSAY	B780210	< 0.005	-	-	-
ASSAY	B780211	< 0.005	-	-	-
ASSAY	B780212	< 0.005	-	-	-
ASSAY	B780213	< 0.005	-	-	-
ASSAY	B780214	< 0.005	-	-	-
ASSAY	B780215	< 0.005	-	-	-
ASSAY	B780216	< 0.005	-	-	-
ASSAY	B780217	< 0.005	-	-	-
ASSAY	B780218	< 0.005	-	-	-
ASSAY	B780219	< 0.005	-	-	-
ASSAY	B780220	< 0.005	-	-	-
ASSAY	B780221	< 0.005	-	-	-
ASSAY	B780222	< 0.005	-	-	-
ASSAY	B780223	< 0.005	-	-	-
ASSAY	B780224	< 0.005	-	-	-
ASSAY	B780225	0.048	-	-	-
ASSAY	B780226	< 0.005	-	-	-
ASSAY	B780227	< 0.005	-	-	-
ASSAY	B780228	< 0.005	-	-	-
ASSAY	B780229	0.007	-	-	-
ASSAY	B780230	0.009	-	-	-
ASSAY	B780231	< 0.005	-	-	-
ASSAY	B780232	< 0.005	-	-	-
ASSAY	B780233	< 0.005	-	-	-
ASSAY	B780234	< 0.005	-	-	-
ASSAY	B780235	< 0.005	-	-	-
ASSAY	B780236	< 0.005	-	-	-
ASSAY	B780237	< 0.005	-	-	-
ASSAY	B780238	< 0.005	-	-	-
ASSAY	B780239	< 0.005	-	-	-
ASSAY	B780240	< 0.005	-	-	-
ASSAY	B780241	< 0.005	-	-	-
ASSAY	B780242	< 0.005	-	-	-
ASSAY	B780243	< 0.005	-	-	-
ASSAY	B780244	< 0.005	-	-	-
ASSAY	B780245	< 0.005	-	-	-
ASSAY	B780246	< 0.005	-	-	-
ASSAY	B780247	< 0.005	-	-	-
ASSAY	B780248	< 0.005	-	-	-
ASSAY	B780249	< 0.005	-	-	-
ASSAY	B780250	< 0.005	-	-	-
ASSAY	B780251	< 0.005	-	-	-
ASSAY	B780252	< 0.005	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780253	< 0.005	-	-	-
ASSAY	B780254	< 0.005	-	-	-
ASSAY	B780255	< 0.005	-	-	-
ASSAY	B780256	< 0.005	-	-	-
ASSAY	B780257	< 0.005	-	-	-
ASSAY	B780258	< 0.005	-	-	-
ASSAY	B780259	< 0.005	-	-	-
ASSAY	B780260	< 0.005	-	-	-
ASSAY	B780261	< 0.005	-	-	-
ASSAY	B780262	< 0.005	-	-	-
ASSAY	B780263	< 0.005	-	-	-
ASSAY	B780264	< 0.005	-	-	-
ASSAY	B780265	< 0.005	-	-	-
ASSAY	B780266	< 0.005	-	-	-
ASSAY	B780267	0.006	-	-	-
ASSAY	B780268	0.013	-	-	-
ASSAY	B780269	0.005	-	-	-
ASSAY	B780270	< 0.005	-	-	-
ASSAY	B780271	0.014	-	-	-
ASSAY	B780272	< 0.005	-	-	-
ASSAY	B780273	< 0.005	-	-	-
ASSAY	B780274	< 0.005	-	-	-
ASSAY	B780275	< 0.005	-	-	-
ASSAY	B780276	0.008	-	-	-
ASSAY	B780277	< 0.005	-	-	-
ASSAY	B780278	< 0.005	-	-	-
ASSAY	B780279	0.012	-	-	-
ASSAY	B780280	0.009	-	-	-
ASSAY	B780281	< 0.005	-	-	-
ASSAY	B780282	< 0.005	-	-	-
ASSAY	B780283	< 0.005	-	-	-
ASSAY	B780284	0.139	-	-	-
ASSAY	B780285	< 0.005	-	-	-
ASSAY	B780286	< 0.005	-	-	-
ASSAY	B780287	< 0.005	-	-	-
ASSAY	B780288	< 0.005	-	-	-
ASSAY	B780289	< 0.005	-	-	-
ASSAY	B780290	< 0.005	-	-	-
ASSAY	B780291	0.007	-	-	-
ASSAY	B780292	< 0.005	-	-	-
ASSAY	B780293	< 0.005	-	-	-
ASSAY	B780294	0.055	-	-	-
ASSAY	B780295	0.020	-	-	-
ASSAY	B780296	< 0.005	-	-	-
ASSAY	B780297	< 0.005	-	-	-
ASSAY	B780298	< 0.005	-	-	-
ASSAY	B780299	< 0.005	-	-	-
ASSAY	B780300	0.045	-	-	-
ASSAY	B780301	< 0.005	-	-	-
ASSAY	B780302	< 0.005	-	-	-
ASSAY	B780303	< 0.005	-	-	-
ASSAY	B780304	< 0.005	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780305	< 0.005	-	-	-
ASSAY	B780306	< 0.005	-	-	-
ASSAY	B780307	< 0.005	-	-	-
ASSAY	B780308	< 0.005	-	-	-
ASSAY	B780309	< 0.005	-	-	-
ASSAY	B780310	< 0.005	-	-	-
ASSAY	B780311	< 0.005	-	-	-
ASSAY	B780312	< 0.005	-	-	-
ASSAY	B780313	< 0.005	-	-	-
ASSAY	B780314	< 0.005	-	-	-
ASSAY	B780315	< 0.005	-	-	-
ASSAY	B780316	< 0.005	-	-	-
ASSAY	B780317	< 0.005	-	-	-
ASSAY	B780318	< 0.005	-	-	-
ASSAY	B780319	< 0.005	-	-	-
ASSAY	B780320	< 0.005	-	-	-
ASSAY	B780321	< 0.005	-	-	-
ASSAY	B780322	< 0.005	-	-	-
ASSAY	B780323	< 0.005	-	-	-
ASSAY	B780324	< 0.005	-	-	-
ASSAY	B780325	< 0.005	-	-	-
ASSAY	B780326	< 0.005	-	-	-
ASSAY	B780327	< 0.005	-	-	-
ASSAY	B780328	< 0.005	-	-	-
ASSAY	B780329	< 0.005	-	-	-
ASSAY	B780330	< 0.005	-	-	-
ASSAY	B780331	< 0.005	-	-	-
ASSAY	B780332	0.008	-	-	-
ASSAY	B780333	< 0.005	-	-	-
ASSAY	B780334	< 0.005	-	-	-
ASSAY	B780335	< 0.005	-	-	-
ASSAY	B780336	< 0.005	-	-	-
ASSAY	B780337	< 0.005	-	-	-
ASSAY	B780338	< 0.005	-	-	-
ASSAY	B780339	< 0.005	-	-	-
ASSAY	B780340	< 0.005	-	-	-
ASSAY	B780341	< 0.005	-	-	-
ASSAY	B780342	0.008	-	-	-
ASSAY	B780343	< 0.005	-	-	-
ASSAY	B780344	0.097	-	-	-
ASSAY	B780345	< 0.005	-	-	-
ASSAY	B780346	< 0.005	-	-	-
ASSAY	B780347	< 0.005	-	-	-
ASSAY	B780348	< 0.005	-	-	-
ASSAY	B780349	< 0.005	-	-	-
ASSAY	B780350	< 0.005	-	-	-
ASSAY	B780351	< 0.005	-	-	-
ASSAY	B780352	0.005	-	-	-
ASSAY	B780353	< 0.005	-	-	-
ASSAY	B780354	0.007	-	-	-
ASSAY	B780355	< 0.005	-	-	-
ASSAY	B780356	< 0.005	-	-	-

		Au-AA	Au-GRA	Au-SCR	none
SAMPLE TYPE	SAMPLE DESCRIPTION	Au	Au	Au	WGHT
		g/mt			
ASSAY	B780357	< 0.005	-	-	-
ASSAY	B780358	< 0.005	-	-	-
ASSAY	B780359	< 0.005	-	-	-
ASSAY	B780360	< 0.005	-	-	-
ASSAY	B780361	< 0.005	-	-	-
ASSAY	B780362	< 0.005	-	-	-
ASSAY	B780363	< 0.005	-	-	-
ASSAY	B780364	< 0.005	-	-	-
ASSAY	B780365	< 0.005	-	-	-
ASSAY	B780366	< 0.005	-	-	-
ASSAY	B780367	0.015	-	-	-
ASSAY	B780368	< 0.005	-	-	-
ASSAY	B780369	< 0.005	-	-	-
ASSAY	B780370	< 0.005	-	-	-
ASSAY	B780371	< 0.005	-	-	-
ASSAY	B780372	0.020	-	-	-
ASSAY	B780373	< 0.005	-	-	-
ASSAY	B780374	0.008	-	-	-
ASSAY	B780375	0.051	-	-	-
ASSAY	B780376	0.006	-	-	-
ASSAY	B780377	< 0.005	-	-	-
ASSAY	B780378	< 0.005	-	-	-
ASSAY	B780379	< 0.005	-	-	-
ASSAY	B780380	< 0.005	-	-	-
ASSAY	B780381	< 0.005	-	-	-
ASSAY	B780382	< 0.005	-	-	-
ASSAY	B780383	< 0.005	-	-	-
ASSAY	B780384	< 0.005	-	-	-
ASSAY	B780385	< 0.005	-	-	-
ASSAY	B780386	< 0.005	-	-	-
ASSAY	B780387	< 0.005	-	-	-
ASSAY	B780388	< 0.005	-	-	-
ASSAY	B780389	< 0.005	-	-	-
ASSAY	B780390	< 0.005	-	-	-
ASSAY	B780391	0.007	-	-	-
ASSAY	B780392	< 0.005	-	-	-
ASSAY	B780393	< 0.005	-	-	-
ASSAY	B780394	< 0.005	-	-	-
ASSAY	B780395	< 0.005	-	-	-
ASSAY	B780396	< 0.005	-	-	-
ASSAY	B780397	< 0.005	-	-	-
ASSAY	B780398	< 0.005	-	-	-
ASSAY	B780399	< 0.005	-	-	-
ASSAY	B780400	< 0.005	-	-	-
PULPDUP	B780210	< 0.005	-	-	-
PULPDUP	B780220	< 0.005	-	-	-
PULPDUP	B780230	< 0.005	-	-	-
PULPDUP	B780251	< 0.005	-	-	-
PULPDUP	B780258	< 0.005	-	-	-
PULPDUP	B780259	0.005	-	-	-
PULPDUP	B780269	< 0.005	-	-	-
PULPDUP	B780272	< 0.005	-	-	-

Results

Activation Laboratories Ltd.

Report: A21-17422

		Au-AA	Au-GRA	Au-SCR	none
	SAMPLE	Au	Au	Au	WGHT
SAMPLE TYPE	DESCRIPTION	g/mt			
PULPDUP	B780287	< 0.005	-	-	-
PULPDUP	B780297	< 0.005	-	-	-
PULPDUP	B780313	< 0.005	-	-	-
PULPDUP	B780328	< 0.005	-	-	-
PULPDUP	B780338	< 0.005	-	-	-
PULPDUP	B780343	< 0.005	-	-	-
PULPDUP	B780353	< 0.005	-	-	-
PULPDUP	B780368	< 0.005	-	-	-
PULPDUP	B780382	< 0.005	-	-	-
PULPDUP	B780392	< 0.005	-	-	-



Report No.: A21-18840-Final2
Report Date: 04-Feb-22
Date Submitted: 06-Oct-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

119 Soil samples were submitted for analysis.

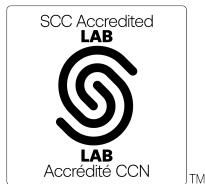
Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1H, QOP INAAGEO/QOP Total (INAA/Total Digestion ICPOES), 2022-01-21 11:55:11

REPORT A21-18840-Final2

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Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.



LabID: 266

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Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
SAMPLE TYPE	SAMPLE DESCRIPTION	Cu ppm	Cd ppm	Mo ppm	Pb ppm	S %	Al %	Be ppm	Bi ppm	Ca %	K %	Li ppm
ASSAY	B780601	10	< 0.3	< 1	10	< 0.01	6.49	1	< 2	2.08		.77
ASSAY	B780602	11	< 0.3	< 1	11	< 0.01	6.63	1	< 2	1.42		.64
ASSAY	B780603	14	< 0.3	< 1	7	0.01	6.89	1	< 2	2.40		.67
ASSAY	B780604	19	< 0.3	< 1	8	0.01	6.97	< 1	< 2	2.20		.44
ASSAY	B780605	14	< 0.3	< 1	9	0.01	6.92	1	< 2	1.78		.77
ASSAY	B780606	8	< 0.3	2	12	0.02	6.28	1	< 2	1.39		.55
ASSAY	B780607	11	< 0.3	2	10	< 0.01	6.33	1	< 2	1.54		.80
ASSAY	B780608	3	< 0.3	1	11	< 0.01	5.51	< 1	< 2	1.29		.70
ASSAY	B780609	9	< 0.3	2	9	< 0.01	6.52	1	< 2	1.49		.75
ASSAY	B780610	7	< 0.3	2	10	< 0.01	6.27	1	< 2	1.44		.65
ASSAY	B780611	26	< 0.3	< 1	10	0.01	6.70	1	< 2	1.75		.59
ASSAY	B780612	4	< 0.3	< 1	12	< 0.01	6.36	1	< 2	1.34		.73
ASSAY	B780613	6	< 0.3	2	10	< 0.01	6.46	1	< 2	1.49		.98
ASSAY	B780614	5	< 0.3	2	11	< 0.01	6.78	1	< 2	1.51		2.15
ASSAY	B780615	4	< 0.3	2	13	0.02	6.45	1	< 2	1.30		.71
ASSAY	B780616	5	< 0.3	< 1	7	0.02	6.16	< 1	3	1.80		.14
ASSAY	B780617	12	< 0.3	< 1	10	0.01	6.77	1	< 2	1.40		.72
ASSAY	B780618	3	< 0.3	< 1	11	< 0.01	6.06	1	< 2	1.22		.77
ASSAY	B780619	4	< 0.3	2	11	0.01	6.45	1	< 2	1.16		.60
ASSAY	B780620	6	< 0.3	1	10	0.01	6.36	1	< 2	1.45		.74
ASSAY	B780621	12	< 0.3	1	12	0.02	7.07	1	< 2	1.46		.73
ASSAY	B780622	10	< 0.3	< 1	11	< 0.01	6.52	1	< 2	1.78		.45
ASSAY	B780623	13	< 0.3	1	13	< 0.01	5.46	< 1	< 2	1.16		.59
ASSAY	B780624	12	< 0.3	< 1	10	< 0.01	7.00	1	< 2	1.69		.71
ASSAY	B780625	24	< 0.3	< 1	4	< 0.01	6.66	< 1	< 2	2.56		.23
ASSAY	B780626	7	< 0.3	2	11	0.01	6.45	1	< 2	1.38		.77
ASSAY	B780627	18	< 0.3	< 1	13	0.02	7.06	1	< 2	1.66		.97
ASSAY	B780628	8	< 0.3	1	11	0.01	7.03	1	< 2	1.52		.71
ASSAY	B780629	10	< 0.3	1	12	0.02	6.99	1	< 2	1.74		.67
ASSAY	B780630	6	< 0.3	1	12	< 0.01	6.26	1	< 2	1.42		.65
ASSAY	B780631	7	< 0.3	2	8	0.01	6.10	1	< 2	1.56		.55
ASSAY	B780632	8	< 0.3	2	7	< 0.01	6.08	1	< 2	1.55		.44
ASSAY	B780633	5	< 0.3	2	8	0.01	5.94	< 1	< 2	1.50		.36
ASSAY	B780634	7	< 0.3	< 1	9	0.02	6.85	1	< 2	1.45		.36
ASSAY	B780635	6	< 0.3	< 1	9	0.02	6.54	< 1	< 2	1.48		.41
ASSAY	B780636	7	< 0.3	< 1	9	0.02	6.31	< 1	< 2	1.59		.41
ASSAY	B780637	8	< 0.3	1	8	0.03	6.90	1	< 2	1.65		.39
ASSAY	B780638	8	< 0.3	2	8	< 0.01	6.22	1	< 2	1.66		.48
ASSAY	B780639	8	< 0.3	1	8	< 0.01	6.46	1	< 2	1.72		.49
ASSAY	B780640	9	< 0.3	< 1	9	< 0.01	6.29	1	< 2	1.73		.44
ASSAY	B780641	6	< 0.3	2	13	0.02	6.26	< 1	< 2	1.51		.45
ASSAY	B780642	53	< 0.3	< 1	13	0.01	6.56	1	< 2	1.60		.56
ASSAY	B780643	9	< 0.3	< 1	9	0.01	6.23	1	< 2	1.56		.37
ASSAY	B780644	6	< 0.3	< 1	9	0.01	7.01	1	< 2	1.62		.60
ASSAY	B780645	5	< 0.3	2	9	< 0.01	6.08	1	< 2	1.47		.50
ASSAY	B780646	3	< 0.3	2	8	< 0.01	5.57	< 1	< 2	1.37		.55
ASSAY	B780647	5	< 0.3	2	14	< 0.01	5.64	1	< 2	1.41		.55
ASSAY	B780648	4	< 0.3	< 1	11	< 0.01	5.82	< 1	< 2	1.45		.62
ASSAY	B780649	6	< 0.3	1	9	0.02	6.37	1	< 2	1.56		.61
ASSAY	B780650	22	< 0.3	< 1	3	< 0.01	6.69	< 1	< 2	2.56		.21
ASSAY	B780651	5	< 0.3	1	8	< 0.01	6.14	1	< 2	1.63		.55
ASSAY	B780652	6	< 0.3	1	8	< 0.01	6.10	1	< 2	1.61		.57

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
SAMPLE TYPE	SAMPLE DESCRIPTION	Cu ppm	Cd ppm	Mo ppm	Pb ppm	S %	Al %	Be ppm	Bi ppm	Ca %	K %	Li ppm
ASSAY	B780653	5	< 0.3	2	9	< 0.01	6.23	1	< 2	1.49		.55
ASSAY	B780654	6	< 0.3	2	7	< 0.01	5.75	1	< 2	1.52		.46
ASSAY	B780655	10	< 0.3	< 1	7	< 0.01	5.95	1	< 2	1.66		.42
ASSAY	B780656	7	< 0.3	2	7	< 0.01	6.05	1	< 2	1.53		.42
ASSAY	B780657	7	< 0.3	1	8	< 0.01	5.99	< 1	< 2	1.54		.48
ASSAY	B780658	5	< 0.3	< 1	7	0.01	6.16	1	< 2	1.56		.50
ASSAY	B780659	6	< 0.3	2	7	< 0.01	6.05	1	< 2	1.68		.50
ASSAY	B780660	20	< 0.3	2	10	0.05	7.11	1	< 2	1.17		.52
ASSAY	B780661	11	< 0.3	2	10	0.05	6.94	1	< 2	1.55		.74
ASSAY	B780662	40	< 0.3	< 1	10	0.02	6.84	1	< 2	1.93		.79
ASSAY	B780663	3	< 0.3	< 1	13	< 0.01	6.16	1	< 2	1.39		.82
ASSAY	B780664	4	< 0.3	< 1	10	0.02	7.03	1	< 2	1.28		.77
ASSAY	B780665	6	< 0.3	1	11	0.02	6.31	1	< 2	1.26		.68
ASSAY	B780666	6	< 0.3	< 1	12	0.02	5.77	< 1	< 2	1.35		.63
ASSAY	B780667	9	< 0.3	1	10	0.02	6.42	1	< 2	1.47		.57
ASSAY	B780668	5	< 0.3	2	11	< 0.01	6.15	1	< 2	1.44		.73
ASSAY	B780669	4	< 0.3	2	10	< 0.01	6.07	1	< 2	1.51		.62
ASSAY	B780670	7	< 0.3	2	9	< 0.01	6.08	1	< 2	1.47		.93
ASSAY	B780671	9	< 0.3	1	10	0.02	5.82	1	< 2	1.21		.71
ASSAY	B780672	5	< 0.3	< 1	10	< 0.01	6.46	1	< 2	1.60		.80
ASSAY	B780673	4	< 0.3	2	10	< 0.01	6.01	1	< 2	1.45		.82
ASSAY	B780674	5	< 0.3	1	9	< 0.01	6.10	1	< 2	1.58		.78
ASSAY	B780675	163	0.4	13	311	0.05	6.67	1	< 2	2.45		.25
ASSAY	B780676	6	< 0.3	3	10	0.02	6.07	1	< 2	1.20		.45
ASSAY	B780677	8	< 0.3	1	12	0.02	5.96	1	< 2	1.37		.80
ASSAY	B780678	7	< 0.3	< 1	12	0.01	7.50	1	< 2	2.09		.72
ASSAY	B780679	6	< 0.3	< 1	8	< 0.01	6.45	1	< 2	1.93		.74
ASSAY	B780680	11	< 0.3	< 1	11	0.01	6.36	1	< 2	1.73		.75
ASSAY	B780681	9	< 0.3	< 1	15	0.02	6.47	1	< 2	1.80		.63
ASSAY	B780682	12	< 0.3	< 1	8	< 0.01	7.06	1	< 2	2.24		.33
ASSAY	B780683	8	< 0.3	2	11	0.02	6.68	1	< 2	1.33		.63
ASSAY	B780684	3	< 0.3	< 1	10	< 0.01	4.94	< 1	< 2	0.96		.58
ASSAY	B780685	8	< 0.3	2	9	0.02	6.47	< 1	< 2	1.37		.44
ASSAY	B780686	6	< 0.3	1	8	< 0.01	6.20	2	< 2	1.67		.56
ASSAY	B780687	8	< 0.3	< 1	10	< 0.01	6.68	1	< 2	1.76		.70
ASSAY	B780688	8	< 0.3	1	10	< 0.01	6.33	1	< 2	1.46		.75
ASSAY	B780689	18	< 0.3	2	12	0.01	6.12	2	< 2	1.27		.74
ASSAY	B780690	11	< 0.3	2	13	0.02	6.79	1	< 2	1.27		.68
ASSAY	B780691	16	< 0.3	1	9	0.01	6.96	1	< 2	1.51		.51
ASSAY	B780692	12	< 0.3	< 1	12	0.02	6.83	1	< 2	1.45		.70
ASSAY	B780693	8	< 0.3	1	13	0.03	6.71	1	< 2	1.18		.79
ASSAY	B780694	6	< 0.3	< 1	11	0.01	5.68	1	< 2	1.14		.74
ASSAY	B780695	11	< 0.3	< 1	12	0.03	7.00	1	< 2	1.18		.53
ASSAY	B780696	8	< 0.3	2	10	0.02	6.55	1	< 2	1.40		.65
ASSAY	B780697	4	< 0.3	2	12	< 0.01	5.90	1	< 2	1.44		.69
ASSAY	B780698	12	< 0.3	1	11	0.01	6.53	1	< 2	1.51		.78
ASSAY	B780699	15	< 0.3	< 1	10	0.01	6.75	< 1	< 2	2.11		.42
ASSAY	B780700	23	< 0.3	< 1	4	< 0.01	6.73	< 1	< 2	2.56		.22
ASSAY	B780701	7	< 0.3	1	10	0.01	6.77	1	< 2	1.40		.65
ASSAY	B780702	5	< 0.3	1	10	0.01	6.61	1	< 2	1.53		.67
ASSAY	B780703	7	< 0.3	1	11	0.02	6.48	1	< 2	1.22		.78
ASSAY	B780704	6	< 0.3	1	10	0.01	6.84	1	< 2	1.48		.68

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
	SAMPLE	Cu	Cd	Mo	Pb	S	Al	Be	Bi	Ca	K	Li
SAMPLE TYPE	DESCRIPTION	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm
ASSAY	B780705	12	< 0.3	< 1	12	0.01	6.80	1	< 2	1.83		.84
ASSAY	B780706	6	< 0.3	1	11	0.01	6.39	1	< 2	1.34		.79
ASSAY	B780707	5	< 0.3	2	12	0.03	6.60	1	< 2	1.25		.86
ASSAY	B780708	8	< 0.3	1	12	0.02	6.81	1	< 2	1.53		.67
ASSAY	B780709	10	< 0.3	1	10	0.04	7.36	2	< 2	1.30		.66
ASSAY	B780710	11	< 0.3	1	13	0.02	6.13	1	< 2	1.18		.59
ASSAY	B780711	21	< 0.3	1	11	0.02	6.69	1	< 2	1.58		.70
ASSAY	B780712	5	< 0.3	2	10	< 0.01	6.30	1	< 2	1.56		.71
ASSAY	B780713	6	< 0.3	2	10	< 0.01	6.04	1	< 2	1.47		.71
ASSAY	B780714	6	< 0.3	1	10	< 0.01	6.22	1	< 2	1.59		.85
ASSAY	B780715	6	< 0.3	1	12	0.01	7.00	1	< 2	1.47		.74
ASSAY	B780716	7	< 0.3	2	10	< 0.01	6.30	1	< 2	1.54		.66
ASSAY	B780717	9	< 0.3	< 1	12	0.01	7.14	1	< 2	1.57		.72
ASSAY	B780718	3	< 0.3	1	10	< 0.01	6.52	1	< 2	1.56		.77
ASSAY	B780719	6	< 0.3	2	9	< 0.01	6.43	1	< 2	1.32		.58
PULPDUP	B780614	7	< 0.3	2	11	< 0.01	6.81	1	< 2	1.52		2.20
PULPDUP	B780624	12	< 0.3	< 1	10	< 0.01	7.00	1	< 2	1.70		.68
PULPDUP	B780635	9	< 0.3	< 1	8	0.02	6.59	1	< 2	1.50		.40
PULPDUP	B780648	5	< 0.3	1	11	< 0.01	5.98	< 1	< 2	1.47		.62
PULPDUP	B780666	6	< 0.3	< 1	13	0.02	5.94	1	< 2	1.39		.65
PULPDUP	B780678	7	< 0.3	< 1	11	< 0.01	6.51	1	< 2	1.84		.50
PULPDUP	B780694	5	< 0.3	< 1	10	< 0.01	5.67	< 1	< 2	1.13		.74
PULPDUP	B780705	12	< 0.3	< 1	12	0.01	6.93	1	< 2	1.85		.86



Report No.: A21-19057-Final2
Report Date: 04-Feb-22
Date Submitted: 08-Oct-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

145 Soil samples were submitted for analysis.

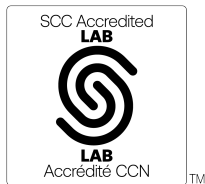
Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1H, QOP INAAGEO/QOP Total (INAA/Total Digestion ICPOES), 2022-01-21 11:55:11

REPORT A21-19057-Final2

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Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.



LabID: 266

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[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
	SAMPLE	Cu	Cd	Mo	Pb	S	Al	Be	Bi	Ca	K	Li
SAMPLE TYPE	DESCRIPTION	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm
ASSAY	B780720	11	< 0.3	< 1	6	0.02	7.29	1	< 2	1.62		.64
ASSAY	B780721	7	< 0.3	1	10	< 0.01	6.55	1	< 2	1.65		.43
ASSAY	B780722	6	< 0.3	< 1	9	0.02	6.57	1	< 2	1.51		.46
ASSAY	B780723	6	< 0.3	1	8	0.02	6.47	1	< 2	1.54		.43
ASSAY	B780724	8	< 0.3	< 1	9	0.01	6.99	1	< 2	1.76		.42
ASSAY	B780725	3	< 0.3	1	8	< 0.01	5.64	< 1	< 2	1.41		.41
ASSAY	B780726	9	< 0.3	1	7	0.02	7.00	1	< 2	1.64		.43
ASSAY	B780727	6	< 0.3	1	9	< 0.01	6.63	1	< 2	1.57		.40
ASSAY	B780728	10	< 0.3	1	9	0.02	6.78	1	< 2	1.52		.43
ASSAY	B780729	6	< 0.3	< 1	9	0.02	6.30	1	< 2	1.43		.44
ASSAY	B780730	6	< 0.3	1	8	0.02	6.76	1	< 2	1.45		.39
ASSAY	B780731	5	< 0.3	1	8	0.01	6.28	< 1	< 2	1.39		.46
ASSAY	B780732	8	< 0.3	1	6	0.01	6.42	< 1	< 2	1.61		.38
ASSAY	B780733	6	< 0.3	< 1	9	0.02	6.22	1	< 2	1.61		.43
ASSAY	B780734	9	< 0.3	1	9	0.01	6.56	1	< 2	1.67		.39
ASSAY	B780735	7	< 0.3	2	8	0.01	6.96	1	< 2	1.60		.43
ASSAY	B780736	14	< 0.3	2	10	0.01	7.18	1	< 2	1.66		.58
ASSAY	B780737	12	< 0.3	< 1	9	< 0.01	6.81	1	< 2	1.64		.48
ASSAY	B780738	7	< 0.3	1	9	0.02	6.58	1	< 2	1.50		.37
ASSAY	B780739	8	< 0.3	1	9	< 0.01	6.32	1	< 2	1.62		.41
ASSAY	B780740	8	< 0.3	< 1	9	0.01	6.75	1	< 2	1.61		.39
ASSAY	B780741	9	< 0.3	< 1	9	0.03	6.92	1	< 2	1.49		.47
ASSAY	B780742	8	< 0.3	2	8	0.02	6.50	1	< 2	1.55		.41
ASSAY	B780743	7	< 0.3	1	7	0.02	6.60	1	< 2	1.57		.46
ASSAY	B780744	158	0.4	12	308	0.05	6.65	1	< 2	2.44		.21
ASSAY	B780745	7	< 0.3	< 1	9	0.04	6.92	1	< 2	1.48		.41
ASSAY	B780746	6	< 0.3	1	9	0.01	6.52	1	< 2	1.45		.40
ASSAY	B780747	7	< 0.3	1	8	0.01	6.26	1	< 2	1.59		.46
ASSAY	B780748	7	< 0.3	< 1	9	0.03	6.72	1	< 2	1.49		.43
ASSAY	B780749	6	< 0.3	1	11	0.01	6.37	1	< 2	1.51		.41
ASSAY	B780750	8	< 0.3	2	7	0.01	6.49	1	< 2	1.60		.47
ASSAY	B780751	5	< 0.3	1	10	0.02	6.64	1	< 2	1.26		.41
ASSAY	B780752	8	< 0.3	< 1	9	0.02	6.67	1	< 2	1.61		.42
ASSAY	B780753	6	< 0.3	2	9	0.02	6.38	1	< 2	1.53		.44
ASSAY	B780754	6	< 0.3	< 1	9	< 0.01	6.41	1	< 2	1.60		.41
ASSAY	B780755	7	< 0.3	< 1	8	0.03	6.94	1	< 2	1.55		.44
ASSAY	B780756	5	< 0.3	1	10	0.03	6.72	1	< 2	1.42		.47
ASSAY	B780757	7	< 0.3	1	9	< 0.01	6.05	1	< 2	1.64		.50
ASSAY	B780758	9	< 0.3	< 1	7	< 0.01	6.30	1	< 2	1.64		.48
ASSAY	B780759	11	< 0.3	< 1	9	< 0.01	6.62	1	< 2	2.10		.78
ASSAY	B780760	8	< 0.3	< 1	10	< 0.01	6.29	1	< 2	1.77		.77
ASSAY	B780761	5	< 0.3	1	9	< 0.01	6.09	1	< 2	1.70		.53
ASSAY	B780762	5	< 0.3	1	8	< 0.01	6.09	1	< 2	1.69		.57
ASSAY	B780763	12	< 0.3	< 1	8	< 0.01	6.23	1	< 2	1.79		.65
ASSAY	B780764	7	< 0.3	< 1	8	< 0.01	6.35	1	< 2	1.95		.56
ASSAY	B780765	9	< 0.3	< 1	8	< 0.01	6.79	1	< 2	2.13		.44
ASSAY	B780766	4	< 0.3	1	9	< 0.01	5.83	1	< 2	1.63		.51
ASSAY	B780767	8	< 0.3	2	10	< 0.01	6.24	1	< 2	1.70		.78
ASSAY	B780768	6	< 0.3	< 1	9	< 0.01	6.18	1	< 2	1.79		.73
ASSAY	B780769	22	< 0.3	< 1	5	< 0.01	6.51	< 1	< 2	2.53		.18
ASSAY	B780770	7	< 0.3	1	9	< 0.01	6.26	1	< 2	1.45		.69
ASSAY	B780771	10	< 0.3	1	10	< 0.01	6.41	1	< 2	1.58		.68

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
	SAMPLE	Cu	Cd	Mo	Pb	S	Al	Be	Bi	Ca	K	Li
SAMPLE TYPE	DESCRIPTION	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm
ASSAY	B780772	7	< 0.3	1	10	< 0.01	6.43	1	< 2	1.65		.59
ASSAY	B780773	10	< 0.3	< 1	9	0.01	6.92	1	< 2	1.69		.51
ASSAY	B780774	13	< 0.3	< 1	10	< 0.01	6.64	1	< 2	1.98		.61
ASSAY	B780775	11	< 0.3	2	9	< 0.01	6.40	1	< 2	1.59		.82
ASSAY	B780776	14	< 0.3	< 1	10	0.02	7.11	1	< 2	2.04		.39
ASSAY	B780777	4	< 0.3	< 1	10	< 0.01	6.05	< 1	< 2	1.54		.49
ASSAY	B780778	8	< 0.3	2	9	0.02	6.57	1	< 2	1.59		.49
ASSAY	B780779	6	< 0.3	2	11	0.01	6.39	1	< 2	1.42		.49
ASSAY	B780780	5	< 0.3	1	8	< 0.01	6.50	1	< 2	1.55		.48
ASSAY	B780781	4	< 0.3	< 1	11	0.02	6.27	1	< 2	1.46		.45
ASSAY	B780782	7	< 0.3	< 1	6	0.01	6.30	1	< 2	1.57		.45
ASSAY	B780783	6	< 0.3	2	10	0.02	6.17	1	< 2	1.50		.46
ASSAY	B780784	9	< 0.3	< 1	8	< 0.01	6.77	1	< 2	1.72		.51
ASSAY	B780785	8	< 0.3	1	7	0.01	6.57	1	< 2	1.63		.47
ASSAY	B780786	7	< 0.3	2	8	< 0.01	6.71	1	< 2	1.77		.49
ASSAY	B780787	8	< 0.3	2	10	0.01	6.46	1	< 2	1.61		.47
ASSAY	B780788	6	< 0.3	1	9	0.02	6.75	1	< 2	1.47		.45
ASSAY	B780789	6	< 0.3	< 1	9	< 0.01	6.15	< 1	< 2	1.55		.46
ASSAY	B780790	6	< 0.3	< 1	9	< 0.01	6.43	1	< 2	1.63		.44
ASSAY	B780791	14	< 0.3	< 1	9	< 0.01	6.05	< 1	< 2	1.50		.45
ASSAY	B780792	5	< 0.3	< 1	7	< 0.01	6.09	1	< 2	1.45		.40
ASSAY	B780793	5	< 0.3	1	8	< 0.01	5.85	< 1	< 2	1.56		.51
ASSAY	B780794	7	< 0.3	2	7	0.03	6.58	1	< 2	1.49		.37
ASSAY	B780795	165	0.5	12	309	0.05	6.68	1	< 2	2.46		.24
ASSAY	B780796	9	< 0.3	2	8	0.01	6.57	1	< 2	1.53		.47
ASSAY	B780797	5	< 0.3	< 1	9	< 0.01	6.24	1	< 2	1.52		.43
ASSAY	B780798	7	< 0.3	2	9	0.02	6.22	< 1	< 2	1.48		.36
ASSAY	B780799	8	< 0.3	< 1	7	< 0.01	6.05	< 1	< 2	1.71		.40
ASSAY	B780800	6	< 0.3	< 1	8	< 0.01	5.99	1	< 2	1.87		.54
ASSAY	B780801	6	< 0.3	1	9	< 0.01	6.32	1	< 2	1.55		.50
ASSAY	B780802	15	< 0.3	< 1	8	< 0.01	6.30	1	< 2	2.75		.47
ASSAY	B780803	6	< 0.3	2	8	< 0.01	6.23	1	< 2	1.54		.48
ASSAY	B780804	8	< 0.3	2	10	0.01	6.62	1	< 2	1.62		.53
ASSAY	B780805	4	< 0.3	< 1	12	0.02	6.36	1	< 2	1.45		.59
ASSAY	B780806	5	< 0.3	3	11	< 0.01	6.41	1	< 2	1.68		.73
ASSAY	B780807	20	< 0.3	1	11	0.01	7.07	1	< 2	1.66		.48
ASSAY	B780808	6	< 0.3	1	9	0.04	6.51	1	< 2	1.45		.46
ASSAY	B780809	4	< 0.3	1	9	< 0.01	5.89	< 1	< 2	1.23		.43
ASSAY	B780810	8	< 0.3	1	7	0.02	6.54	1	< 2	1.60		.50
ASSAY	B780811	12	< 0.3	2	7	0.02	6.32	1	< 2	1.53		.40
ASSAY	B780812	9	< 0.3	< 1	10	< 0.01	6.26	1	< 2	1.70		.74
ASSAY	B780813	4	< 0.3	2	12	< 0.01	6.40	1	< 2	1.46		.82
ASSAY	B780814	3	< 0.3	1	11	< 0.01	6.20	1	< 2	1.56		.73
ASSAY	B780815	5	< 0.3	2	11	< 0.01	5.91	1	< 2	1.32		.74
ASSAY	B780816	4	< 0.3	1	11	< 0.01	6.21	1	< 2	1.45		.88
ASSAY	B780817	4	< 0.3	1	9	< 0.01	6.45	1	< 2	1.69		.84
ASSAY	B780818	7	< 0.3	3	10	0.01	6.43	1	< 2	1.68		.81
ASSAY	B780819	7	< 0.3	2	12	< 0.01	6.41	1	< 2	1.67		.92
ASSAY	B780820	23	< 0.3	< 1	4	< 0.01	6.59	< 1	< 2	2.55		.22
ASSAY	B780821	3	< 0.3	1	8	< 0.01	5.88	1	< 2	1.46		.54
ASSAY	B780822	5	< 0.3	2	10	< 0.01	6.35	1	< 2	1.59		.82
ASSAY	B780823	3	< 0.3	1	8	< 0.01	5.88	1	< 2	1.42		.82

		TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
	SAMPLE	Cu	Cd	Mo	Pb	S	Al	Be	Bi	Ca	K	Li
SAMPLE TYPE	DESCRIPTION	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm
ASSAY	B780824	3	< 0.3	1	11	< 0.01	6.00	< 1	< 2	1.34		.68
ASSAY	B780825	6	< 0.3	< 1	14	< 0.01	6.58	1	< 2	1.76		.61
ASSAY	B780826	9	0.3	< 1	9	0.01	6.75	1	< 2	1.61		.64
ASSAY	B780827	7	< 0.3	< 1	9	< 0.01	6.36	1	< 2	1.61		.77
ASSAY	B780828	6	< 0.3	2	12	0.05	6.95	1	< 2	1.14		.62
ASSAY	B780829	4	< 0.3	< 1	11	0.03	5.87	< 1	< 2	0.96		.57
ASSAY	B780830	6	< 0.3	1	11	0.01	5.54	1	< 2	1.09		.59
ASSAY	B780831	9	< 0.3	2	12	0.01	6.02	1	< 2	1.16		.63
ASSAY	B780832	7	< 0.3	3	11	0.03	5.78	< 1	< 2	0.99		.66
ASSAY	B780833	7	< 0.3	3	11	0.03	6.98	1	< 2	1.13		.56
ASSAY	B780834	13	< 0.3	< 1	16	0.02	6.69	1	< 2	1.65		.58
ASSAY	B780835	8	< 0.3	< 1	9	0.01	6.93	1	< 2	1.52		.69
ASSAY	B780836	8	< 0.3	2	11	0.01	6.41	1	< 2	1.45		.58
ASSAY	B780837	15	< 0.3	< 1	11	< 0.01	5.66	< 1	< 2	1.39		.68
ASSAY	B780838	30	< 0.3	< 1	7	0.01	6.82	< 1	< 2	2.07		.11
ASSAY	B780839	6	< 0.3	< 1	11	0.01	6.33	1	< 2	1.51		.63
ASSAY	B780840	42	< 0.3	2	12	0.02	6.62	1	< 2	1.33		.62
ASSAY	B780841	7	< 0.3	2	10	0.02	6.78	1	< 2	1.34		.69
ASSAY	B780842	14	< 0.3	< 1	10	< 0.01	6.84	1	< 2	1.54		.78
ASSAY	B780843	4	< 0.3	< 1	12	< 0.01	6.21	1	< 2	1.30		.84
ASSAY	B780844	8	< 0.3	2	10	0.02	6.72	1	< 2	1.41		.69
ASSAY	B780845	161	0.5	13	307	0.05	6.66	1	< 2	2.43		.24
ASSAY	B780846	5	< 0.3	2	12	0.01	6.04	1	< 2	1.22		.72
ASSAY	B780847	9	< 0.3	3	12	0.03	6.50	1	< 2	1.26		.78
ASSAY	B780848	6	< 0.3	2	10	0.01	6.68	1	< 2	1.46		.56
ASSAY	B780849	6	< 0.3	2	10	< 0.01	6.26	1	< 2	1.52		.75
ASSAY	B780850	7	< 0.3	< 1	16	0.02	5.91	1	< 2	1.17		.59
ASSAY	B780851	12	< 0.3	1	11	0.04	6.31	1	< 2	1.41		.63
ASSAY	B780852	5	< 0.3	2	12	0.02	6.25	1	< 2	1.10		.63
ASSAY	B780853	7	0.4	2	10	0.02	6.03	1	< 2	1.31		.73
ASSAY	B780854	37	< 0.3	2	9	< 0.01	6.71	1	< 2	1.63		.79
ASSAY	B780855	10	< 0.3	2	10	0.01	6.36	1	< 2	1.28		.71
ASSAY	B780856	12	< 0.3	2	11	0.03	5.19	< 1	< 2	1.15		.34
ASSAY	B780857	29	< 0.3	1	7	0.27	2.89	< 1	2	1.15		.82
ASSAY	B780858	9	< 0.3	2	14	0.02	6.54	1	< 2	1.31		.43
ASSAY	B780859	28	< 0.3	3	18	0.08	4.16	< 1	< 2	1.00		.22
ASSAY	B780860	27	< 0.3	1	12	0.03	6.06	< 1	< 2	1.33		.54
ASSAY	B780861	7	< 0.3	1	13	0.01	6.38	< 1	< 2	1.85		.37
ASSAY	B780862	10	< 0.3	3	12	0.02	6.14	1	< 2	1.27		.59
ASSAY	B780863	6	< 0.3	2	11	< 0.01	6.22	1	< 2	1.43		.68
ASSAY	B780864	9	< 0.3	2	10	< 0.01	6.06	1	< 2	1.48		.78
PULPDUP	B780722	6	< 0.3	< 1	9	0.02	6.56	1	< 2	1.52		.47
PULPDUP	B780736	12	< 0.3	< 1	9	0.01	6.97	1	< 2	1.61		.51
PULPDUP	B780760	7	< 0.3	< 1	9	< 0.01	6.35	1	< 2	1.78		.82
PULPDUP	B780762	5	< 0.3	< 1	10	< 0.01	6.13	1	< 2	1.69		.56
PULPDUP	B780780	5	< 0.3	1	10	< 0.01	6.63	1	< 2	1.58		.52
PULPDUP	B780795	165	0.4	10	309	0.05	6.80	1	< 2	2.46		.23
PULPDUP	B780810	7	< 0.3	1	9	0.02	6.48	1	< 2	1.59		.49
PULPDUP	B780823	2	< 0.3	2	10	< 0.01	5.93	1	< 2	1.44		.85
PULPDUP	B780845	160	0.9	12	309	0.05	6.56	1	< 2	2.45		.24
PULPDUP	B780861	7	< 0.3	< 1	14	0.01	6.42	< 1	< 2	1.88		.38



Report No.: A21-19900
Report Date: 20-Dec-21
Date Submitted: 20-Oct-21
Your Reference: Melkior

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

192 Soil samples were submitted for analysis.

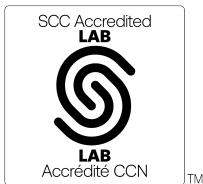
Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1H, QOP INAAGEO/QOP Total (INAA/Total Digestion ICPOES), 2021-12-10 12:52:03

REPORT A21-19900

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Notes:

Elements which exceed the upper limits should be analyzed by assay techniques. Some elements are reported by multiple techniques. These are indicated by MULT.



LabID: 266

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Emmanuel Eseme, Ph.D.
Quality Control Coordinator

		INAA	MULT INAA / TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	SAMPLE	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Eu
SAMPLE TYPE	DESCRIPTION	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	B780865	< 2	< 0.3	< 1	< 1	2.7	630	< 0.5	10	40	< 1	
ASSAY	B780866	< 2	< 0.3	< 1	< 1	0.6	380	4.6	12	59	< 1	
ASSAY	B780867	< 2	< 0.3	< 1	< 1	10.5	550	2.9	12	56	< 1	
ASSAY	B780868	< 2	< 0.3	< 1	< 1	2.3	540	1.8	7	50	< 1	
ASSAY	B780869	< 2	< 0.3	< 1	< 1	2.4	480	6.1	7	50	< 1	
ASSAY	B780870	< 2	< 0.3	< 1	< 1	8.8	410	5.1	8	40	< 1	
ASSAY	B780871	< 2	< 0.3	< 1	< 1	10.3	370	< 0.5	7	35	< 1	
ASSAY	B780872	< 2	< 0.3	< 1	< 1	12.0	470	< 0.5	2	27	1	
ASSAY	B780873	4	< 0.3	< 1	< 1	< 0.5	500	1.5	9	45	< 1	
ASSAY	B780874	< 2	< 0.3	< 1	< 1	11.5	650	< 0.5	13	75	< 1	
ASSAY	B780875	< 2	< 0.3	< 1	< 1	5.8	600	< 0.5	7	40	< 1	
ASSAY	B780876	4	< 0.3	< 1	< 1	26.0	500	1.3	14	58	2	
ASSAY	B780877	< 2	< 0.3	< 1	< 1	10.1	530	< 0.5	6	35	1	
ASSAY	B780878	< 2	< 0.3	< 1	< 1	2.6	500	4.4	7	39	< 1	
ASSAY	B780879	< 2	< 0.3	< 1	< 1	1.8	490	3.8	7	47	< 1	
ASSAY	B780880	< 2	< 0.3	< 1	< 1	9.6	560	3.6	16	61	< 1	
ASSAY	B780881	< 2	< 0.3	< 1	< 1	0.8	440	1.9	7	64	< 1	
ASSAY	B780882	< 2	< 0.3	< 1	< 1	< 0.5	450	< 0.5	6	44	< 1	
ASSAY	B780883	< 2	< 0.3	< 1	< 1	2.1	470	2.1	9	42	< 1	
ASSAY	B780884	46	< 0.3	< 1	92	9.8	620	< 0.5	54	102	< 1	
ASSAY	B780885	< 2	< 0.3	< 1	< 1	0.6	420	4.8	8	41	< 1	
ASSAY	B780886	2	< 0.3	< 1	< 1	1.8	530	< 0.5	8	42	< 1	
ASSAY	B780887	< 2	< 0.3	< 1	< 1	1.9	380	6.2	7	43	< 1	
ASSAY	B780888	< 2	< 0.3	< 1	< 1	2.2	530	8.3	5	40	< 1	
ASSAY	B780889	5	< 0.3	< 1	< 1	2.0	480	6.9	7	40	< 1	
ASSAY	B780890	< 2	< 0.3	< 1	< 1	2.0	480	1.1	5	39	< 1	
ASSAY	B780891	< 2	< 0.3	< 1	< 1	< 0.5	480	4.2	7	54	< 1	
ASSAY	B780892	< 2	< 0.3	< 1	< 1	< 0.5	560	1.8	6	41	< 1	
ASSAY	B780893	< 2	< 0.3	< 1	< 1	3.2	460	6.1	12	78	2	
ASSAY	B780894	< 2	< 0.3	< 1	< 1	0.6	440	5.5	5	41	< 1	
ASSAY	B780895	< 2	< 0.3	< 1	< 1	1.8	580	< 0.5	9	55	< 1	
ASSAY	B780896	< 2	< 0.3	< 1	< 1	0.9	580	3.8	5	41	< 1	
ASSAY	B780897	< 2	< 0.3	< 1	< 1	0.9	480	1.5	10	38	< 1	
ASSAY	B780898	< 2	< 0.3	< 1	34	1.4	480	6.6	11	59	< 1	
ASSAY	B780899	< 2	< 0.3	< 1	< 1	0.6	390	1.5	10	54	< 1	
ASSAY	B780900	7	< 0.3	< 1	< 1	0.5	440	6.5	6	46	< 1	
ASSAY	B780901	< 2	< 0.3	< 1	< 1	0.6	440	6.2	6	43	< 1	
ASSAY	B780902	< 2	< 0.3	< 1	< 1	1.2	560	9.5	10	57	< 1	
ASSAY	B780903	< 2	< 0.3	< 1	< 1	0.5	300	1.4	6	41	< 1	
ASSAY	B780904	< 2	< 0.3	< 1	< 1	1.2	290	4.4	8	52	< 1	
ASSAY	B780905	< 2	< 0.3	< 1	< 1	2.2	340	4.6	10	66	< 1	
ASSAY	B780906	< 2	< 0.3	< 1	< 1	1.1	390	10.2	12	78	< 1	
ASSAY	B780907	< 2	< 0.3	< 1	< 1	1.6	430	4.8	6	32	< 1	
ASSAY	B780908	< 2	< 0.3	< 1	< 1	0.6	580	5.4	7	39	< 1	
ASSAY	B780909	< 2	< 0.3	< 1	< 1	2.2	610	5.6	5	40	< 1	
ASSAY	B780910	< 2	< 0.3	< 1	< 1	2.7	520	5.7	11	46	< 1	
ASSAY	B780911	< 2	< 0.3	< 1	< 1	0.9	520	0.9	2	32	< 1	
ASSAY	B780912	3	< 0.3	< 1	< 1	1.3	560	6.5	12	73	< 1	
ASSAY	B780913	< 2	< 0.3	< 1	170	47.5	410	3.2	27	93	1	
ASSAY	B780914	< 2	< 0.3	37	< 1	42.1	520	1.1	29	105	2	
ASSAY	B780915	< 2	< 0.3	< 1	< 1	3.0	640	4.1	10	52	< 1	

		INAA	MULT INAA / TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	SAMPLE	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Eu
SAMPLE TYPE	DESCRIPTION	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	B780916	< 2	< 0.3	< 1	< 1	1.8	590	4.8	11	49		1
ASSAY	B780917	< 2	< 0.3	30	< 1	1.1	640	0.7	10	45		1
ASSAY	B780918	47	< 0.3	< 1	< 1	1.6	570	3.4	8	52		< 1
ASSAY	B780919	< 2	< 0.3	< 1	< 1	2.7	430	3.5	10	53		< 1
ASSAY	B780920	< 2	< 0.3	< 1	14	< 0.5	540	< 0.5	11	64		< 1
ASSAY	B780921	< 2	< 0.3	< 1	< 1	1.6	420	4.1	7	42		< 1
ASSAY	B780922	< 2	< 0.3	< 1	< 1	1.1	340	3.1	8	46		< 1
ASSAY	B780923	5	< 0.3	< 1	< 1	1.5	420	6.7	7	39		< 1
ASSAY	B780924	< 2	< 0.3	< 1	< 1	1.3	390	3.2	9	40		< 1
ASSAY	B780925	< 2	< 0.3	< 1	< 1	0.6	300	3.4	7	35		< 1
ASSAY	B780926	< 2	< 0.3	< 1	< 1	< 0.5	380	3.3	6	36		< 1
ASSAY	B780927	< 2	< 0.3	< 1	< 1	< 0.5	340	1.0	6	35		< 1
ASSAY	B780928	< 2	< 0.3	< 1	< 1	0.7	390	1.3	3	26		< 1
ASSAY	B780929	< 2	< 0.3	< 1	< 1	0.8	460	5.0	8	41		< 1
ASSAY	B780930	< 2	< 0.3	36	< 1	0.6	520	4.7	9	58		< 1
ASSAY	B780931	4	< 0.3	< 1	< 1	2.0	520	3.2	5	36		< 1
ASSAY	B780932	< 2	< 0.3	< 1	< 1	1.0	600	6.1	5	39		< 1
ASSAY	B780933	< 2	< 0.3	< 1	< 1	1.0	340	2.9	6	41		< 1
ASSAY	B780934	< 2	< 0.3	< 1	< 1	0.6	450	1.4	5	53		< 1
ASSAY	B780935	< 2	< 0.3	65	< 1	0.9	460	3.7	5	51		< 1
ASSAY	B780936	< 2	< 0.3	< 1	< 1	< 0.5	530	5.3	6	45		< 1
ASSAY	B780937	< 2	< 0.3	< 1	< 1	< 0.5	480	5.9	6	43		< 1
ASSAY	B780938	2	< 0.3	< 1	< 1	2.0	500	7.0	9	44		< 1
ASSAY	B780939	< 2	< 0.3	< 1	< 1	0.6	380	5.7	5	38		< 1
ASSAY	B780940	< 2	< 0.3	36	< 1	1.4	450	3.6	7	47		1
ASSAY	B780941	< 2	< 0.3	< 1	< 1	2.6	430	4.7	7	43		< 1
ASSAY	B780942	< 2	< 0.3	< 1	< 1	< 0.5	470	4.9	7	43		< 1
ASSAY	B780943	< 2	< 0.3	< 1	< 1	1.9	460	7.8	6	42		< 1
ASSAY	B780944	< 2	< 0.3	< 1	< 1	0.6	480	4.7	7	34		< 1
ASSAY	B780945	< 2	< 0.3	< 1	< 1	< 0.5	460	< 0.5	11	56		< 1
ASSAY	B780946	< 2	< 0.3	< 1	< 1	< 0.5	380	4.4	5	34		< 1
ASSAY	B780947	< 2	< 0.3	< 1	14	< 0.5	350	6.0	5	37		1
ASSAY	B780948	< 2	< 0.3	< 1	< 1	0.7	520	5.0	4	37		< 1
ASSAY	B780949	< 2	< 0.3	< 1	< 1	1.2	360	4.6	8	45		< 1
ASSAY	B780950	< 2	< 0.3	< 1	< 1	2.0	460	5.8	6	38		< 1
ASSAY	B780951	< 2	< 0.3	35	< 1	1.5	560	5.6	8	53		< 1
ASSAY	B780952	< 2	< 0.3	< 1	< 1	1.9	540	6.0	8	47		< 1
ASSAY	B780953	< 2	< 0.3	< 1	< 1	0.9	510	2.6	6	42		< 1
ASSAY	B780954	3	< 0.3	< 1	< 1	1.6	450	1.4	8	47		< 1
ASSAY	B780955	< 2	< 0.3	< 1	< 1	0.7	590	3.0	7	61		< 1
ASSAY	B780956	< 2	< 0.3	< 1	< 1	0.8	460	2.7	6	43		< 1
ASSAY	B780957	< 2	< 0.3	< 1	< 1	0.9	580	4.2	7	43		1
ASSAY	B780958	< 2	< 0.3	< 1	< 1	< 0.5	460	3.5	5	38		< 1
ASSAY	B780959	< 2	< 0.3	< 1	< 1	2.2	510	3.5	5	42		1
ASSAY	B780960	15	< 0.3	< 1	< 1	3.4	400	6.4	5	53		< 1
ASSAY	B780961	< 2	< 0.3	< 1	< 1	2.8	410	4.8	6	39		< 1
ASSAY	B780963	< 2	< 0.3	< 1	< 1	4.7	470	5.1	7	43		< 1
ASSAY	B780964	3	< 0.3	< 1	< 1	1.1	580	5.9	8	54		< 1
ASSAY	B780965	< 2	< 0.3	< 1	< 1	1.0	530	5.4	9	49		< 1
ASSAY	B780966	< 2	< 0.3	43	< 1	1.1	450	5.2	9	46		< 1
ASSAY	B780967	< 2	< 0.3	< 1	< 1	2.3	470	6.7	9	48		< 1

		INAA	MULT INAA / TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	SAMPLE	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Eu
SAMPLE TYPE	DESCRIPTION	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	B780968	< 2	< 0.3	< 1	32	1.8	410	8.2	7	49	< 1	
ASSAY	B780969	< 2	< 0.3	< 1	< 1	1.0	400	5.3	10	50	< 1	
ASSAY	B780970	< 2	< 0.3	< 1	< 1	2.0	410	6.9	8	45	2	
ASSAY	B780971	48	< 0.3	< 1	197	10.0	520	< 0.5	55	102	2	
ASSAY	B780972	< 2	< 0.3	< 1	< 1	2.5	450	12.7	5	53	< 1	
ASSAY	B780973	< 2	< 0.3	< 1	< 1	1.5	520	6.1	7	43	< 1	
ASSAY	B780974	< 2	< 0.3	< 1	< 1	1.3	640	1.7	9	34	< 1	
ASSAY	B780975	< 2	< 0.3	< 1	< 1	0.8	560	2.9	5	30	1	
ASSAY	B780976	15	< 0.3	< 1	< 1	1.8	470	6.8	9	48	< 1	
ASSAY	B780977	< 2	< 0.3	< 1	< 1	1.7	470	6.8	8	53	< 1	
ASSAY	B780978	< 2	< 0.3	< 1	< 1	2.6	620	4.0	10	50	1	
ASSAY	B780979	< 2	< 0.3	< 1	< 1	2.3	600	3.0	9	46	< 1	
ASSAY	B780980	< 2	< 0.3	< 1	< 1	1.5	470	4.0	11	57	< 1	
ASSAY	B780981	< 2	< 0.3	< 1	< 1	1.8	560	2.9	8	41	< 1	
ASSAY	B780982	3	< 0.3	< 1	37	< 0.5	750	2.7	8	37	< 1	
ASSAY	B780983	< 2	< 0.3	< 1	< 1	0.9	610	6.2	10	48	< 1	
ASSAY	B780984	< 2	< 0.3	< 1	< 1	1.2	510	5.6	11	59	1	
ASSAY	B780985	< 2	< 0.3	< 1	< 1	< 0.5	600	3.0	7	37	< 1	
ASSAY	B780986	< 2	< 0.3	< 1	< 1	2.1	500	1.1	8	52	< 1	
ASSAY	B780987	5	< 0.3	< 1	< 1	1.9	420	3.4	7	36	< 1	
ASSAY	B780988	< 2	< 0.3	< 1	< 1	2.3	540	6.1	8	47	< 1	
ASSAY	B780989	3	< 0.3	< 1	< 1	1.9	560	3.9	9	39	< 1	
ASSAY	B780990	3	< 0.3	< 1	< 1	0.9	530	2.4	7	36	< 1	
ASSAY	B780991	< 2	< 0.3	< 1	< 1	2.0	380	4.7	8	37	< 1	
ASSAY	B780992	9	< 0.3	< 1	< 1	< 0.5	480	1.4	5	41	< 1	
ASSAY	B780993	< 2	< 0.3	< 1	< 1	1.8	460	6.1	5	44	< 1	
ASSAY	B780994	< 2	< 0.3	< 1	< 1	0.7	490	4.2	8	48	2	
ASSAY	B780995	< 2	< 0.3	92	< 1	1.9	540	3.6	8	51	1	
ASSAY	B780996	< 2	< 0.3	< 1	< 1	0.9	540	1.1	11	53	1	
ASSAY	B780997	< 2	< 0.3	< 1	< 1	3.3	600	4.4	8	50	2	
ASSAY	B780998	< 2	< 0.3	< 1	< 1	1.6	490	3.4	6	40	< 1	
ASSAY	B780999	3	< 0.3	< 1	< 1	2.0	510	3.6	9	53	2	
ASSAY	B781000	< 2	< 0.3	< 1	< 1	2.2	570	3.7	8	54	< 1	
ASSAY	B781001	< 2	< 0.3	< 1	< 1	1.7	570	3.0	7	54	< 1	
ASSAY	B781002	< 2	< 0.3	< 1	< 1	0.8	480	3.5	6	41	2	
ASSAY	B781003	< 2	< 0.3	< 1	< 1	1.4	460	3.1	6	39	< 1	
ASSAY	B781004	< 2	< 0.3	< 1	< 1	2.5	490	5.0	9	46	< 1	
ASSAY	B781005	< 2	< 0.3	< 1	< 1	< 0.5	580	4.6	8	42	< 1	
ASSAY	B781006	< 2	< 0.3	< 1	< 1	2.5	570	5.4	6	43	< 1	
ASSAY	B781007	< 2	< 0.3	< 1	< 1	1.8	580	3.4	7	45	< 1	
ASSAY	B781008	< 2	< 0.3	< 1	< 1	1.5	520	3.4	7	45	< 1	
ASSAY	B781009	< 2	< 0.3	< 1	< 1	1.2	410	3.7	7	41	2	
ASSAY	B781010	2	< 0.3	< 1	< 1	0.6	590	5.6	6	35	< 1	
ASSAY	B781011	< 2	< 0.3	< 1	< 1	3.3	410	6.9	7	45	< 1	
ASSAY	B781012	< 2	< 0.3	< 1	< 1	0.6	570	4.3	8	43	< 1	
ASSAY	B781013	< 2	< 0.3	43	19	2.8	500	3.1	10	50	2	
ASSAY	B781014	< 2	< 0.3	< 1	5	1.1	670	4.3	5	42	< 1	
ASSAY	B781015	< 2	< 0.3	< 1	< 1	2.8	470	4.4	10	44	1	
ASSAY	B781016	< 2	< 0.3	< 1	37	2.0	540	4.7	7	51	< 1	
ASSAY	B781017	< 2	< 0.3	< 1	< 1	2.0	520	4.3	10	53	< 1	
ASSAY	B781018	< 2	< 0.3	< 1	< 1	2.7	510	4.4	12	60	< 1	

		INAA	MULT INAA / TD-ICP	MULT INAA / TD-ICP	MULT INAA / TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	SAMPLE	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Eu
SAMPLE TYPE	DESCRIPTION	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	B781019	< 2	< 0.3	< 1	< 1	2.1	360	5.6	9	45	< 1	
ASSAY	B781020	< 2	< 0.3	< 1	< 1	3.4	470	1.6	12	52	< 1	
ASSAY	B781021	< 2	< 0.3	< 1	< 1	< 0.5	520	< 0.5	12	63	1	
ASSAY	B781022	5	< 0.3	< 1	< 1	3.8	430	2.0	8	45	< 1	
ASSAY	B781023	3	< 0.3	< 1	< 1	9.6	410	4.4	9	53	< 1	
ASSAY	B781024	< 2	< 0.3	< 1	< 1	< 0.5	490	1.8	5	39	< 1	
ASSAY	B781025	< 2	< 0.3	< 1	< 1	0.8	400	4.0	10	45	< 1	
ASSAY	B781026	< 2	< 0.3	< 1	< 1	1.1	460	5.7	9	58	< 1	
ASSAY	B781027	< 2	< 0.3	< 1	44	2.6	520	11.5	9	60	2	
ASSAY	B781028	< 2	< 0.3	< 1	< 1	2.5	500	3.3	7	43	< 1	
ASSAY	B781029	< 2	< 0.3	< 1	< 1	< 0.5	500	2.9	6	44	< 1	
ASSAY	B781030	< 2	< 0.3	< 1	< 1	2.4	470	5.1	6	46	< 1	
ASSAY	B781031	< 2	< 0.3	< 1	< 1	1.8	490	3.7	7	57	1	
ASSAY	B781032	3	< 0.3	< 1	< 1	3.9	610	5.1	16	52	< 1	
ASSAY	B781033	< 2	< 0.3	< 1	< 1	0.9	520	1.7	7	51	< 1	
ASSAY	B781034	< 2	< 0.3	< 1	< 1	0.6	520	5.9	9	59	< 1	
ASSAY	B781035	< 2	< 0.3	< 1	< 1	1.2	550	1.6	6	58	1	
ASSAY	B781036	< 2	< 0.3	< 1	39	2.8	500	5.6	6	60	< 1	
ASSAY	B781037	< 2	< 0.3	< 1	< 1	2.3	560	6.7	10	53	< 1	
ASSAY	B781038	< 2	< 0.3	< 1	< 1	1.1	400	3.8	6	45	< 1	
ASSAY	B781039	< 2	< 0.3	< 1	23	1.9	460	1.6	8	45	1	
ASSAY	B781040	< 2	< 0.3	< 1	< 1	2.1	340	3.3	9	45	1	
ASSAY	B781041	50	< 0.3	< 1	< 1	0.9	360	6.7	6	48	< 1	
ASSAY	B781042	39	< 0.3	< 1	< 1	< 0.5	470	1.7	5	44	< 1	
ASSAY	B781043	3	< 0.3	< 1	22	1.5	490	< 0.5	7	55	< 1	
ASSAY	B781044	< 2	< 0.3	< 1	< 1	< 0.5	410	1.4	7	41	< 1	
ASSAY	B781045	< 2	< 0.3	< 1	< 1	2.6	540	4.4	9	72	< 1	
ASSAY	B781046	< 2	< 0.3	< 1	< 1	< 0.5	430	< 0.5	11	66	< 1	
ASSAY	B781047	< 2	< 0.3	< 1	< 1	3.0	470	5.0	5	41	< 1	
ASSAY	B781048	< 2	< 0.3	< 1	< 1	2.1	510	4.6	7	41	< 1	
ASSAY	B781049	5	< 0.3	< 1	< 1	2.5	390	4.5	8	48	1	
ASSAY	B781050	< 2	< 0.3	< 1	< 1	1.4	350	4.8	8	38	< 1	
ASSAY	B781051	< 2	< 0.3	< 1	< 1	2.8	430	6.3	7	45	< 1	
ASSAY	B781052	< 2	< 0.3	< 1	< 1	0.9	430	5.8	5	42	< 1	
ASSAY	B781053	< 2	< 0.3	< 1	< 1	1.8	340	4.7	10	44	1	
ASSAY	B781054	< 2	< 0.3	< 1	< 1	1.2	430	1.4	6	42	< 1	
ASSAY	B781055	< 2	< 0.3	< 1	< 1	< 0.5	540	2.0	7	42	< 1	
ASSAY	B781056	8	< 0.3	< 1	31	< 0.5	420	3.4	9	51	< 1	
ASSAY	B781057	< 2	< 0.3	< 1	< 1	0.6	480	5.0	4	44	< 1	
PULPDUP	B780896	< 2				1.9	580	3.4	6	40	< 1	
PULPDUP	B780928	< 2				< 0.5	390	2.7	2	28	1	
PULPDUP	B780960	21				2.8	470	6.6	7	53	< 1	
PULPDUP	B780993	< 2				2.3	530	6.6	6	45	< 1	
PULPDUP	B781025	< 2				1.8	410	2.0	8	42	< 1	
PULPDUP	B781057	< 2				< 0.5	440	5.2	3	37	1	

	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	U	W	La	Ce	Nd	Sm	Sn	Tb	Yb	Lu	Mass
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
ASSAY	< 0.5	< 1	12.9	24	12	2.2	< 0.02	< 0.5	0.8	0.05	37.3
ASSAY	< 0.5	< 1	15.2	32	< 5	1.9	< 0.02	< 0.5	0.8	< 0.05	35.3
ASSAY	< 0.5	< 1	12.9	27	14	2.1	< 0.02	< 0.5	0.9	0.05	34.4

	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	U	W	La	Ce	Nd	Sm	Sn	Tb	Yb	Lu	Mass
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
ASSAY	< 0.5	< 1	11.1	24	7	1.8	< 0.02	< 0.5	0.8	< 0.05	35.3
ASSAY	0.6	< 1	11.7	24	13	1.8	< 0.02	< 0.5	0.9	0.05	34.3
ASSAY	< 0.5	< 1	14.1	34	11	2.4	< 0.02	< 0.5	0.8	0.05	40.0
ASSAY	< 0.5	< 1	12.9	30	12	2.1	< 0.02	< 0.5	0.7	0.05	35.7
ASSAY	< 0.5	< 1	11.1	22	< 5	1.7	< 0.02	< 0.5	0.7	< 0.05	36.1
ASSAY	0.9	< 1	11.5	21	11	1.7	< 0.02	< 0.5	0.6	< 0.05	34.8
ASSAY	0.5	< 1	9.8	18	< 5	1.5	< 0.02	< 0.5	0.9	< 0.05	33.4
ASSAY	< 0.5	< 1	9.3	22	< 5	1.5	< 0.02	< 0.5	0.6	< 0.05	35.2
ASSAY	1.2	< 1	10.0	21	< 5	1.4	0.04	< 0.5	0.9	< 0.05	36.6
ASSAY	< 0.5	< 1	12.8	26	9	1.9	< 0.02	< 0.5	1.0	0.05	31.8
ASSAY	< 0.5	< 1	9.7	21	5	1.5	0.03	< 0.5	0.6	< 0.05	33.8
ASSAY	0.8	< 1	13.7	34	7	2.2	< 0.02	< 0.5	0.9	0.06	34.0
ASSAY	< 0.5	< 1	14.8	35	8	2.4	< 0.02	< 0.5	1.0	0.06	33.8
ASSAY	< 0.5	< 1	14.3	32	10	2.2	< 0.02	< 0.5	1.0	0.05	25.6
ASSAY	< 0.5	< 1	13.4	27	9	2.1	< 0.02	< 0.5	1.0	0.07	30.3
ASSAY	< 0.5	< 1	11.6	22	< 5	1.8	< 0.02	< 0.5	0.9	0.06	31.5
ASSAY	< 0.5	< 1	31.9	60	18	4.0	< 0.02	< 0.5	1.1	0.05	26.7
ASSAY	< 0.5	< 1	12.2	32	11	1.8	< 0.02	< 0.5	0.8	< 0.05	35.2
ASSAY	< 0.5	< 1	10.0	19	5	1.6	< 0.02	< 0.5	1.0	< 0.05	33.0
ASSAY	1.0	< 1	10.3	20	< 5	1.6	< 0.02	< 0.5	0.7	< 0.05	33.6
ASSAY	< 0.5	< 1	11.8	24	12	1.8	< 0.02	< 0.5	0.7	< 0.05	33.3
ASSAY	< 0.5	< 1	12.1	25	6	2.0	< 0.02	< 0.5	0.8	< 0.05	33.5
ASSAY	< 0.5	< 1	10.6	24	11	1.6	< 0.02	< 0.5	0.7	< 0.05	34.7
ASSAY	< 0.5	< 1	11.9	24	13	1.9	< 0.02	< 0.5	0.7	< 0.05	37.4
ASSAY	< 0.5	< 1	13.9	34	12	2.2	< 0.02	< 0.5	0.9	< 0.05	34.1
ASSAY	0.9	< 1	16.8	38	11	2.6	< 0.02	< 0.5	1.0	0.05	30.2
ASSAY	< 0.5	< 1	13.1	26	7	2.0	< 0.02	< 0.5	0.9	< 0.05	31.0
ASSAY	< 0.5	< 1	11.4	30	10	1.9	< 0.02	< 0.5	0.6	0.06	33.2
ASSAY	< 0.5	< 1	12.8	25	7	2.2	< 0.02	< 0.5	0.7	0.06	34.0
ASSAY	< 0.5	< 1	12.7	31	10	2.2	< 0.02	< 0.5	1.1	< 0.05	34.3
ASSAY	0.6	< 1	12.5	31	13	2.0	< 0.02	< 0.5	0.8	< 0.05	34.2
ASSAY	< 0.5	< 1	12.0	27	11	2.0	< 0.02	< 0.5	0.9	< 0.05	39.1
ASSAY	0.7	< 1	9.5	21	7	1.7	< 0.02	< 0.5	0.7	< 0.05	36.5
ASSAY	< 0.5	< 1	11.1	23	< 5	1.8	< 0.02	< 0.5	0.7	< 0.05	36.7
ASSAY	< 0.5	< 1	13.5	32	10	2.3	< 0.02	< 0.5	0.9	0.05	34.3
ASSAY	< 0.5	< 1	9.6	21	7	1.5	< 0.02	< 0.5	0.7	0.05	39.2
ASSAY	0.7	< 1	14.9	29	14	2.4	< 0.02	< 0.5	0.9	0.07	36.7
ASSAY	< 0.5	< 1	15.3	31	11	2.2	< 0.02	< 0.5	0.7	0.08	34.0
ASSAY	< 0.5	< 1	13.8	30	10	2.4	< 0.02	< 0.5	1.0	0.09	35.1
ASSAY	0.6	< 1	9.0	17	5	1.5	< 0.02	< 0.5	0.5	0.06	38.9
ASSAY	0.5	< 1	11.5	23	8	1.8	< 0.02	< 0.5	0.8	0.08	37.8
ASSAY	< 0.5	< 1	9.6	18	5	1.7	< 0.02	< 0.5	0.8	0.06	34.6
ASSAY	< 0.5	< 1	12.5	26	8	2.1	< 0.02	< 0.5	0.9	0.10	38.2
ASSAY	0.6	< 1	9.1	16	6	1.5	< 0.02	< 0.5	0.7	0.05	41.1
ASSAY	0.8	< 1	12.4	26	11	2.0	< 0.02	< 0.5	0.9	0.09	35.8
ASSAY	< 0.5	< 1	8.1	16	6	1.5	< 0.02	< 0.5	1.0	0.09	37.5
ASSAY	0.9	< 1	9.3	18	< 5	1.7	< 0.02	< 0.5	0.9	0.10	32.1
ASSAY	1.8	< 1	12.7	27	6	2.1	< 0.02	< 0.5	0.9	0.07	35.2
ASSAY	< 0.5	< 1	13.8	28	7	2.3	< 0.02	< 0.5	0.9	0.07	38.0
ASSAY	< 0.5	< 1	9.5	18	6	1.6	< 0.02	< 0.5	0.8	0.09	33.8
ASSAY	< 0.5	< 1	9.2	16	10	1.6	< 0.02	< 0.5	0.8	< 0.05	35.1
ASSAY	< 0.5	< 1	8.4	16	8	1.4	0.03	< 0.5	0.6	< 0.05	35.7

	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	U	W	La	Ce	Nd	Sm	Sn	Tb	Yb	Lu	Mass
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
ASSAY	< 0.5	< 1	19.1	41	16	3.3	< 0.02	< 0.5	0.9	< 0.05	27.9
ASSAY	< 0.5	< 1	7.5	18	< 5	1.2	< 0.02	< 0.5	0.6	< 0.05	35.3
ASSAY	0.8	< 1	7.2	15	6	1.1	< 0.02	< 0.5	0.6	< 0.05	33.6
ASSAY	< 0.5	< 1	7.9	16	9	1.3	< 0.02	< 0.5	0.8	< 0.05	39.8
ASSAY	< 0.5	< 1	11.3	26	8	1.9	< 0.02	< 0.5	0.8	< 0.05	35.7
ASSAY	< 0.5	< 1	7.7	16	5	1.3	< 0.02	< 0.5	0.6	< 0.05	37.6
ASSAY	< 0.5	< 1	9.2	21	6	1.5	< 0.02	< 0.5	0.6	< 0.05	40.1
ASSAY	< 0.5	< 1	8.5	19	< 5	1.5	< 0.02	< 0.5	0.6	< 0.05	42.5
ASSAY	< 0.5	< 1	8.3	19	7	1.3	< 0.02	< 0.5	0.6	< 0.05	38.8
ASSAY	< 0.5	< 1	7.8	15	< 5	1.3	< 0.02	< 0.5	0.6	0.06	37.1
ASSAY	< 0.5	< 1	11.4	23	9	1.8	< 0.02	< 0.5	0.6	0.07	35.6
ASSAY	< 0.5	< 1	8.7	17	< 5	1.3	< 0.02	< 0.5	0.7	0.05	38.6
ASSAY	< 0.5	< 1	8.8	19	7	1.3	< 0.02	< 0.5	0.6	0.08	32.0
ASSAY	< 0.5	< 1	7.8	15	5	1.3	< 0.02	< 0.5	0.6	< 0.05	35.0
ASSAY	< 0.5	< 1	11.3	21	7	1.7	< 0.02	< 0.5	0.8	0.06	44.0
ASSAY	1.0	< 1	12.4	25	7	1.9	< 0.02	< 0.5	0.7	0.07	40.4
ASSAY	< 0.5	< 1	7.9	15	< 5	1.3	< 0.02	< 0.5	0.8	0.05	42.2
ASSAY	0.9	< 1	11.1	22	6	1.7	< 0.02	< 0.5	0.8	0.08	40.4
ASSAY	< 0.5	< 1	11.4	25	9	1.9	0.02	< 0.5	0.8	0.05	37.3
ASSAY	< 0.5	< 1	11.5	25	9	1.9	< 0.02	< 0.5	0.8	< 0.05	34.8
ASSAY	< 0.5	< 1	14.0	28	8	2.2	< 0.02	< 0.5	0.9	0.06	39.1
ASSAY	< 0.5	< 1	13.9	29	10	2.1	< 0.02	< 0.5	0.8	< 0.05	36.0
ASSAY	< 0.5	< 1	11.5	27	7	1.9	< 0.02	< 0.5	0.8	0.05	35.9
ASSAY	0.8	< 1	11.6	23	7	1.8	< 0.02	< 0.5	0.8	< 0.05	34.4
ASSAY	0.5	< 1	10.8	21	8	1.8	< 0.02	< 0.5	0.7	0.05	36.7
ASSAY	< 0.5	< 1	19.4	36	13	3.1	< 0.02	< 0.5	0.9	< 0.05	29.1
ASSAY	< 0.5	< 1	9.6	17	< 5	1.4	< 0.02	< 0.5	0.6	< 0.05	42.0
ASSAY	< 0.5	< 1	10.6	24	7	1.8	0.05	< 0.5	0.5	< 0.05	40.5
ASSAY	1.3	< 1	10.9	24	7	1.5	< 0.02	< 0.5	0.6	< 0.05	39.8
ASSAY	0.5	< 1	12.3	33	7	2.1	0.03	< 0.5	0.8	< 0.05	39.2
ASSAY	< 0.5	< 1	10.4	22	7	1.7	< 0.02	< 0.5	0.7	< 0.05	38.5
ASSAY	0.9	< 1	15.2	34	10	2.5	< 0.02	< 0.5	1.0	0.06	29.8
ASSAY	0.7	< 1	12.4	27	8	2.1	< 0.02	< 0.5	0.8	0.06	31.1
ASSAY	< 0.5	< 1	13.1	29	8	2.1	< 0.02	< 0.5	0.7	0.05	31.9
ASSAY	< 0.5	< 1	17.0	40	6	2.9	0.02	< 0.5	1.0	0.06	28.5
ASSAY	< 0.5	< 1	17.6	40	13	2.8	< 0.02	< 0.5	1.1	0.05	29.5
ASSAY	0.7	< 1	14.0	28	8	2.2	< 0.02	< 0.5	1.0	< 0.05	40.1
ASSAY	< 0.5	< 1	9.5	21	7	1.6	< 0.02	< 0.5	0.7	< 0.05	32.1
ASSAY	< 0.5	< 1	9.0	21	7	1.5	< 0.02	< 0.5	0.6	0.05	30.6
ASSAY	< 0.5	< 1	11.9	27	10	1.8	< 0.02	< 0.5	0.8	< 0.05	28.4
ASSAY	< 0.5	< 1	13.8	30	7	2.1	< 0.02	< 0.5	0.8	< 0.05	27.3
ASSAY	0.5	< 1	12.8	28	7	2.0	< 0.02	< 0.5	0.8	< 0.05	32.2
ASSAY	0.8	< 1	13.5	31	12	2.1	< 0.02	< 0.5	1.0	0.07	34.7
ASSAY	< 0.5	< 1	13.4	35	12	2.2	< 0.02	< 0.5	1.0	0.05	29.3
ASSAY	< 0.5	< 1	11.7	25	8	2.0	< 0.02	< 0.5	0.9	0.05	29.0
ASSAY	< 0.5	< 1	12.8	35	10	2.2	< 0.02	< 0.5	0.9	0.05	27.2
ASSAY	0.6	< 1	12.0	28	10	2.0	< 0.02	< 0.5	0.9	0.05	29.2
ASSAY	1.1	< 1	11.1	27	8	1.8	< 0.02	< 0.5	0.6	< 0.05	27.0
ASSAY	1.2	< 1	13.1	30	11	2.2	< 0.02	< 0.5	0.9	0.06	30.9
ASSAY	0.8	< 1	14.1	38	8	2.4	< 0.02	< 0.5	0.8	< 0.05	30.8
ASSAY	< 0.5	< 1	29.5	56	20	3.9	< 0.02	< 0.5	1.0	< 0.05	27.9
ASSAY	0.7	< 1	12.1	28	9	2.0	< 0.02	< 0.5	0.9	< 0.05	28.7

	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	U	W	La	Ce	Nd	Sm	Sn	Tb	Yb	Lu	Mass
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
ASSAY	< 0.5	< 1	15.4	33	12	2.3	< 0.02	< 0.5	0.9	0.05	34.8
ASSAY	< 0.5	< 1	13.9	33	10	2.2	< 0.02	< 0.5	0.8	0.06	35.2
ASSAY	< 0.5	< 1	11.4	24	6	1.8	< 0.02	< 0.5	0.7	< 0.05	31.5
ASSAY	< 0.5	< 1	11.4	23	8	1.8	< 0.02	< 0.5	1.1	< 0.05	28.3
ASSAY	< 0.5	< 1	14.6	29	11	2.2	< 0.02	< 0.5	0.9	< 0.05	28.2
ASSAY	0.6	< 1	14.9	33	10	2.0	< 0.02	< 0.5	0.9	0.05	43.9
ASSAY	< 0.5	< 1	12.5	26	9	1.9	< 0.02	< 0.5	0.9	0.05	29.7
ASSAY	0.8	< 1	14.8	35	13	2.3	< 0.02	< 0.5	1.2	0.06	29.0
ASSAY	< 0.5	< 1	12.8	35	12	2.1	< 0.02	< 0.5	0.7	0.05	30.2
ASSAY	< 0.5	< 1	11.9	28	7	1.9	< 0.02	< 0.5	0.9	< 0.05	28.0
ASSAY	< 0.5	< 1	14.9	33	11	2.1	< 0.02	< 0.5	0.9	0.06	29.5
ASSAY	< 0.5	< 1	14.8	31	9	2.3	< 0.02	< 0.5	1.0	< 0.05	26.5
ASSAY	0.5	< 1	13.0	29	11	1.9	< 0.02	< 0.5	0.8	0.07	30.8
ASSAY	< 0.5	< 1	14.1	31	8	2.1	< 0.02	< 0.5	0.9	0.07	28.4
ASSAY	< 0.5	< 1	11.1	28	6	1.8	< 0.02	< 0.5	0.8	< 0.05	35.6
ASSAY	< 0.5	< 1	13.4	29	12	2.2	< 0.02	< 0.5	0.9	0.05	28.7
ASSAY	< 0.5	< 1	12.8	36	9	2.0	< 0.02	< 0.5	0.9	0.05	28.9
ASSAY	< 0.5	< 1	16.2	37	8	2.4	< 0.02	< 0.5	0.8	< 0.05	31.5
ASSAY	< 0.5	< 1	11.4	26	8	1.8	< 0.02	< 0.5	0.8	< 0.05	36.7
ASSAY	< 0.5	< 1	14.1	29	10	2.0	< 0.02	< 0.5	0.9	< 0.05	28.1
ASSAY	< 0.5	< 1	13.5	31	10	2.0	< 0.02	< 0.5	0.9	< 0.05	32.1
ASSAY	1.2	< 1	15.9	34	12	2.4	< 0.02	< 0.5	1.0	0.07	39.3
ASSAY	< 0.5	< 1	13.5	29	8	2.0	< 0.02	< 0.5	0.8	0.05	37.4
ASSAY	0.8	< 1	20.1	36	18	3.1	< 0.02	< 0.5	1.1	< 0.05	29.3
ASSAY	0.5	< 1	13.4	28	11	2.0	< 0.02	< 0.5	1.0	0.06	27.5
ASSAY	0.9	< 1	14.5	28	10	2.1	< 0.02	< 0.5	1.0	0.07	30.2
ASSAY	0.8	< 1	16.6	30	13	2.6	< 0.02	< 0.5	1.1	0.06	33.0
ASSAY	< 0.5	< 1	15.8	30	12	2.5	< 0.02	< 0.5	1.0	0.05	27.0
ASSAY	1.4	< 1	14.6	25	10	2.0	< 0.02	< 0.5	1.0	< 0.05	30.6
ASSAY	0.6	< 1	14.7	33	11	2.2	< 0.02	< 0.5	1.0	0.05	38.3
ASSAY	0.6	< 1	15.2	36	12	2.5	< 0.02	< 0.5	0.9	0.05	33.3
ASSAY	1.0	< 1	13.3	35	10	2.0	< 0.02	< 0.5	1.1	< 0.05	31.3
ASSAY	0.7	< 1	11.9	25	8	1.9	< 0.02	< 0.5	0.9	< 0.05	35.1
ASSAY	1.1	< 1	15.8	38	12	2.3	< 0.02	< 0.5	1.1	0.06	35.5
ASSAY	< 0.5	< 1	13.6	29	14	2.1	< 0.02	< 0.5	0.9	< 0.05	32.6
ASSAY	< 0.5	< 1	12.1	27	9	2.0	< 0.02	< 0.5	0.9	0.06	35.2
ASSAY	< 0.5	< 1	12.1	23	7	1.9	< 0.02	< 0.5	0.9	< 0.05	35.5
ASSAY	< 0.5	< 1	11.9	29	10	2.0	< 0.02	< 0.5	0.9	< 0.05	34.4
ASSAY	0.6	< 1	12.5	25	11	2.0	< 0.02	< 0.5	0.9	0.05	31.2
ASSAY	< 0.5	< 1	10.9	26	7	1.7	< 0.02	< 0.5	0.8	< 0.05	33.1
ASSAY	1.1	< 1	11.5	28	10	1.9	< 0.02	< 0.5	0.9	0.05	37.5
ASSAY	< 0.5	< 1	12.2	24	12	1.8	< 0.02	< 0.5	0.9	0.05	32.5
ASSAY	0.7	< 1	12.4	31	8	2.0	< 0.02	< 0.5	0.9	0.05	35.5
ASSAY	< 0.5	< 1	11.5	25	10	1.9	< 0.02	< 0.5	0.9	0.05	34.8
ASSAY	1.8	< 1	11.1	29	7	1.9	< 0.02	< 0.5	0.8	0.05	37.2
ASSAY	< 0.5	< 1	10.2	28	6	2.0	< 0.02	< 0.5	1.1	0.05	35.2
ASSAY	< 0.5	< 1	11.8	25	7	2.0	< 0.02	< 0.5	0.8	< 0.05	37.0
ASSAY	0.7	< 1	12.3	31	9	2.4	< 0.02	< 0.5	1.0	0.06	36.7
ASSAY	0.5	< 1	19.0	38	16	3.4	< 0.02	< 0.5	1.1	0.06	27.8
ASSAY	< 0.5	< 1	14.9	44	10	2.5	< 0.02	< 0.5	0.9	0.06	35.3
ASSAY	< 0.5	< 1	13.3	31	11	2.3	< 0.02	< 0.5	0.9	0.06	36.3
ASSAY	0.7	< 1	11.5	28	10	1.9	0.04	< 0.5	1.0	0.05	33.7

	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	U	W	La	Ce	Nd	Sm	Sn	Tb	Yb	Lu	Mass
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	g
ASSAY	< 0.5	< 1	13.8	31	10	2.2	< 0.02	< 0.5	0.9	0.05	36.6
ASSAY	< 0.5	< 1	11.4	25	7	1.8	< 0.02	< 0.5	0.8	0.08	32.3
ASSAY	1.2	< 1	12.3	29	12	2.0	< 0.02	< 0.5	0.9	0.10	31.4
ASSAY	< 0.5	< 1	10.1	25	5	1.7	< 0.02	< 0.5	0.8	0.07	37.9
ASSAY	0.5	< 1	11.7	21	7	1.9	< 0.02	< 0.5	0.7	0.07	37.0
ASSAY	0.6	< 1	11.0	20	6	1.7	< 0.02	< 0.5	1.0	0.08	32.2
ASSAY	< 0.5	< 1	11.5	27	11	2.0	< 0.02	< 0.5	0.9	0.11	32.7
ASSAY	1.6	< 1	33.8	54	25	4.7	< 0.02	< 0.5	1.2	0.11	30.8
ASSAY	0.5	< 1	9.6	22	6	1.7	< 0.02	< 0.5	0.8	0.10	39.1
ASSAY	1.4	< 1	16.1	37	9	3.0	< 0.02	< 0.5	1.6	0.20	36.3
ASSAY	< 0.5	< 1	11.6	23	10	1.9	< 0.02	< 0.5	1.0	0.09	39.3
ASSAY	< 0.5	< 1	11.8	26	7	1.9	< 0.02	< 0.5	1.0	0.09	33.6
ASSAY	< 0.5	< 1	12.2	26	10	2.3	< 0.02	< 0.5	0.9	0.05	31.9
ASSAY	< 0.5	< 1	12.3	28	12	2.2	< 0.02	< 0.5	1.2	0.05	38.4
ASSAY	< 0.5	< 1	11.9	27	8	2.0	< 0.02	< 0.5	0.9	0.06	39.6
ASSAY	< 0.5	< 1	12.0	25	12	2.0	< 0.02	< 0.5	0.9	0.05	37.5
ASSAY	1.7	< 1	13.4	31	9	2.2	< 0.02	< 0.5	1.0	0.05	39.8
ASSAY	< 0.5	< 1	12.9	29	12	2.0	< 0.05	< 0.5	1.2	0.06	34.9
ASSAY	< 0.5	< 1	10.8	24	11	1.8	< 0.02	< 0.5	0.8	< 0.05	28.4
ASSAY	0.6	< 1	11.7	25	8	2.0	< 0.02	< 0.5	1.0	0.06	34.8
ASSAY	0.6	< 1	13.8	28	9	2.3	< 0.02	< 0.5	0.9	0.05	31.6
ASSAY	< 0.5	< 1	18.9	39	17	3.4	< 0.02	< 0.5	1.3	0.05	28.4
ASSAY	< 0.5	< 1	11.0	26	6	1.9	< 0.02	< 0.5	1.0	0.05	34.8
ASSAY	< 0.5	< 1	11.2	28	< 5	2.0	< 0.02	< 0.5	0.9	< 0.05	37.0
ASSAY	< 0.5	< 1	15.7	45	9	2.5	< 0.02	< 0.5	0.9	< 0.05	39.2
ASSAY	0.6	< 1	13.3	31	10	2.3	< 0.02	< 0.5	0.9	0.05	40.1
ASSAY	1.1	< 1	12.3	28	6	1.8	< 0.02	< 0.5	0.8	< 0.05	39.3
ASSAY	< 0.5	< 1	10.9	27	9	1.8	< 0.02	< 0.5	0.7	0.05	40.3
ASSAY	0.5	< 1	10.1	25	12	1.8	< 0.02	< 0.5	0.8	0.05	40.1
ASSAY	< 0.5	< 1	9.0	21	6	1.6	< 0.02	< 0.5	0.8	< 0.05	40.9
ASSAY	0.6	< 1	12.7	32	8	2.1	< 0.02	< 0.5	1.0	0.05	36.0
ASSAY	< 0.5	< 1	11.9	26	9	2.1	< 0.02	< 0.5	1.1	0.05	35.5
ASSAY	0.7	< 1	12.1	25	9	1.8	< 0.02	< 0.5	0.8	< 0.05	33.0
PULPDUP	0.7	< 1	12.5	32	9	2.2	< 0.02	< 0.5	0.8	0.05	34.9
PULPDUP	< 0.5	< 1	8.0	17	6	1.3	0.02	< 0.5	0.5	< 0.05	37.5
PULPDUP	1.1	< 1	14.0	32	9	2.1	< 0.02	< 0.5	1.0	0.06	24.5
PULPDUP	1.1	< 1	13.4	31	8	1.9	< 0.02	< 0.5	0.9	0.06	31.5
PULPDUP	< 0.5	< 1	14.1	36	10	2.3	< 0.02	< 0.5	0.9	< 0.05	33.5
PULPDUP	< 0.5	< 1	11.6	26	8	1.8	< 0.02	< 0.5	0.9	0.05	34.3



Report No.: A21-21485
Report Date: 17-Dec-21
Date Submitted: 16-Nov-21
Your Reference: Carscallen

Kirkland Lake Gold
1350 Government Road West
Kirkland Lake ON P2N 3J1
Canada

ATTN: Keith Green

CERTIFICATE OF ANALYSIS

46 Rock samples were submitted for analysis.

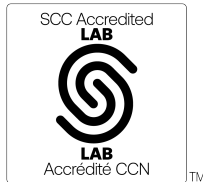
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A21-21485

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Notes:

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



LabID: 709

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Handwritten signature of Emmanuel Esemé

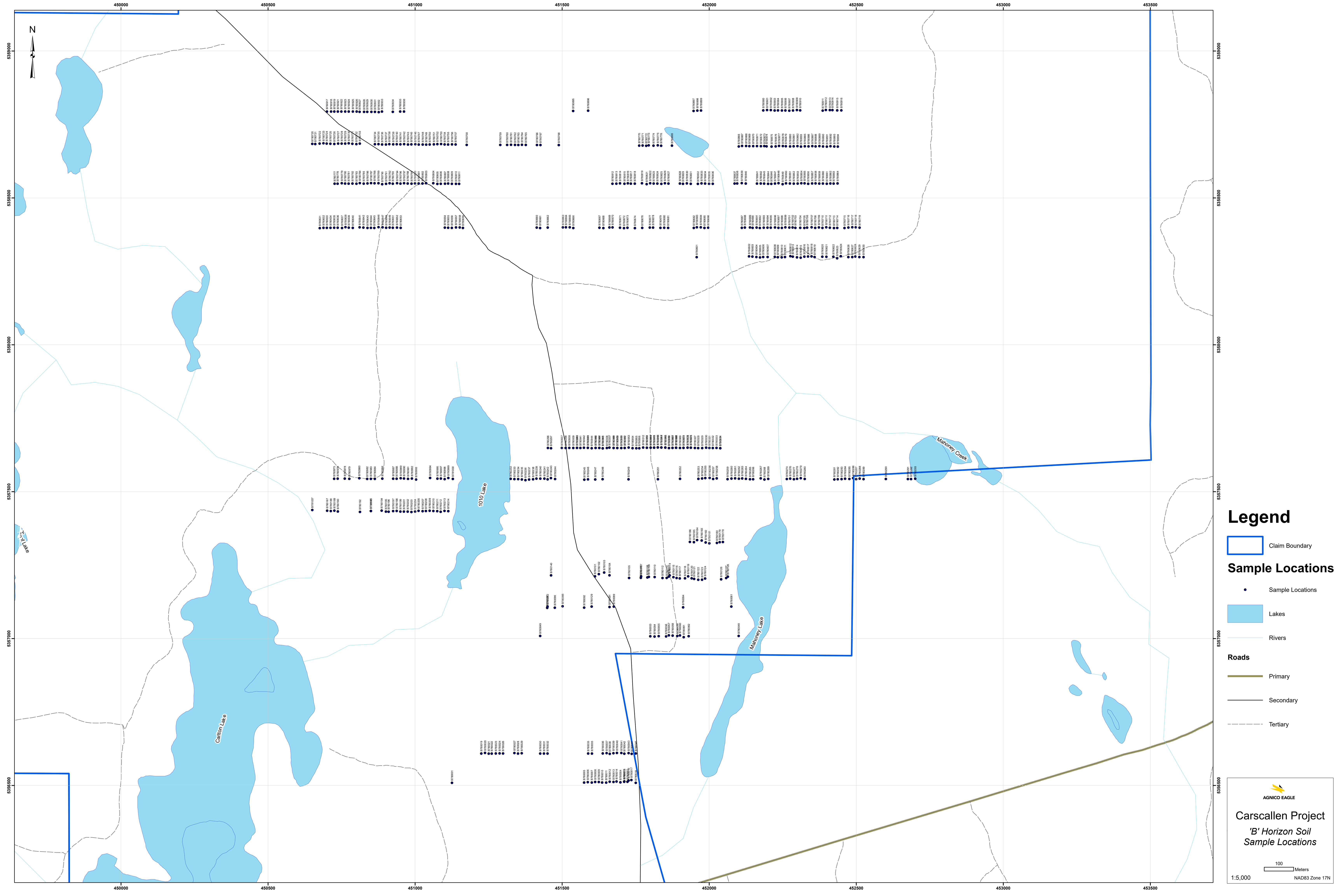
Emmanuel Esemé, Ph.D.
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL014001	2.67	0.025	-	-
ASSAY	KL014002	2.54	0.010	-	-
ASSAY	KL014003	3.14	0.011	-	-
ASSAY	KL014004	2.25	0.012	-	-
ASSAY	KL014005	2.82	0.010	-	-
ASSAY	KL014006	3.04	0.014	-	-
ASSAY	KL014007	2.74	0.008	-	-
ASSAY	KL014008	1.04	< 0.005	-	-
ASSAY	KL014009	3.42	0.011	-	-
ASSAY	KL014010	1.22	0.007	-	-
ASSAY	KL014011	2.48	0.009	-	-
ASSAY	KL014012	2.42	0.008	-	-
ASSAY	KL014013	2.27	0.006	-	-
ASSAY	KL014014	2.73	0.005	-	-
ASSAY	KL014015	2.39	< 0.005	-	-
ASSAY	KL014016	1.93	< 0.005	-	-
ASSAY	KL014017	2.11	0.005	-	-
ASSAY	KL014018	2.11	< 0.005	-	-
ASSAY	KL014019	2.43	< 0.005	-	-
ASSAY	KL014020	0.0660	0.346	-	-
ASSAY	KL014021	2.58	< 0.005	-	-
ASSAY	KL014022	2.73	0.044	-	-
ASSAY	KL014023	1.94	0.005	-	-
ASSAY	KL014024	2.13	0.009	-	-
ASSAY	KL014025	2.37	< 0.005	-	-
ASSAY	KL014026	2.31	< 0.005	-	-
ASSAY	KL014027	2.65	< 0.005	-	-
ASSAY	KL014028	2.18	0.011	-	-
ASSAY	KL014029	2.78	0.017	-	-
ASSAY	KL014030	1.11	< 0.005	-	-
ASSAY	KL014031	2.80	0.015	-	-
ASSAY	KL014032	2.15	1.56	-	-
ASSAY	KL014033	2.28	0.006	-	-
ASSAY	KL014034	2.45	0.009	-	-
ASSAY	KL014035	2.62	0.007	-	-
ASSAY	KL014036	2.46	< 0.005	-	-
ASSAY	KL014037	1.91	0.007	-	-
ASSAY	KL014038	1.35	< 0.005	-	-
ASSAY	KL014039	3.50	0.006	-	-
ASSAY	KL014040	0.0660	0.789	-	-
ASSAY	KL014041	0.796	< 0.005	-	-
ASSAY	KL014042	2.66	< 0.005	-	-
ASSAY	KL014043	1.97	< 0.005	-	-
ASSAY	KL014044	3.01	< 0.005	-	-
ASSAY	KL014045	3.28	< 0.005	-	-
ASSAY	KL014046	2.46	0.005	-	-
PULPDUP	KL014010	-	0.007	-	-
PULPDUP	KL014021	-	0.005	-	-
PULPDUP	KL014030	-	< 0.005	-	-




KIRKLAND LAKE GOLD

Appendix E: Soil “Gold” Geochemistry Sample Number Locations



Legend

- Claim Boundary
- Sample Locations
- Lakes
- Rivers
- Roads**
- Primary
- Secondary
- Tertiary



Carcallen Project
'B' Horizon Soil
Sample Locations

1:5,000

100

Meters

NAD83 Zone 17N

CARSCALLEN PROJECT EXPENDITURES

TOTAL AMOUNT \$\$ SPENT ON PROJECT		
DIAMOND DRILLING		1,097,499
DRILLING ASSAYS		122,364
GEOCHEM COSTS		78,272
GRAB SAMPLE COSTS		1,682
CONTRACTORS/PERSONNEL		163655
TOTAL AMOUNT		1,463,472

