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AGNICO EAGLE

2022 DIAMOND DRILL ASSESSMENT REPORT

On

Carscallen “Melkior-Kirkland Lake Gold” JV Project

Ontario, Canada Porcupine Mining Division

As Reported By

Agnico Eagle Mines Ltd.

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Executive Summary

The Carscallen “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, felsic 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.

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 16,627 meters of diamond drilling in twenty-eight (28) drill holes. The drilling was completed in three phases; one in the fall winter of 2020/2021 which included 6,752 meters of drilling, a second during the fall of 2021 which included 3,684 meters of drilling and a third in the summer and fall months of 2022 which included 6,283 meters.

Introduction

Melkior Resources Inc (Melkior) owns a 100% interest in the Carscallen Property. The Property is located approximately 25 km southwest of Timmins, Ontario. The property is in the Porcupine Mining Division and centered at the eastern part of the property boundary in Carscallen and Denton Townships. This 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 high-grade gold-bearing zones within a 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. (now Agnico Eagle Mines 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.

This report summarizes the 2022 diamond drill program conducted by Agnico Eagle Mines Ltd. (AEM) on the Carscallen property. The primary objective of this program is to test and expand on 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.

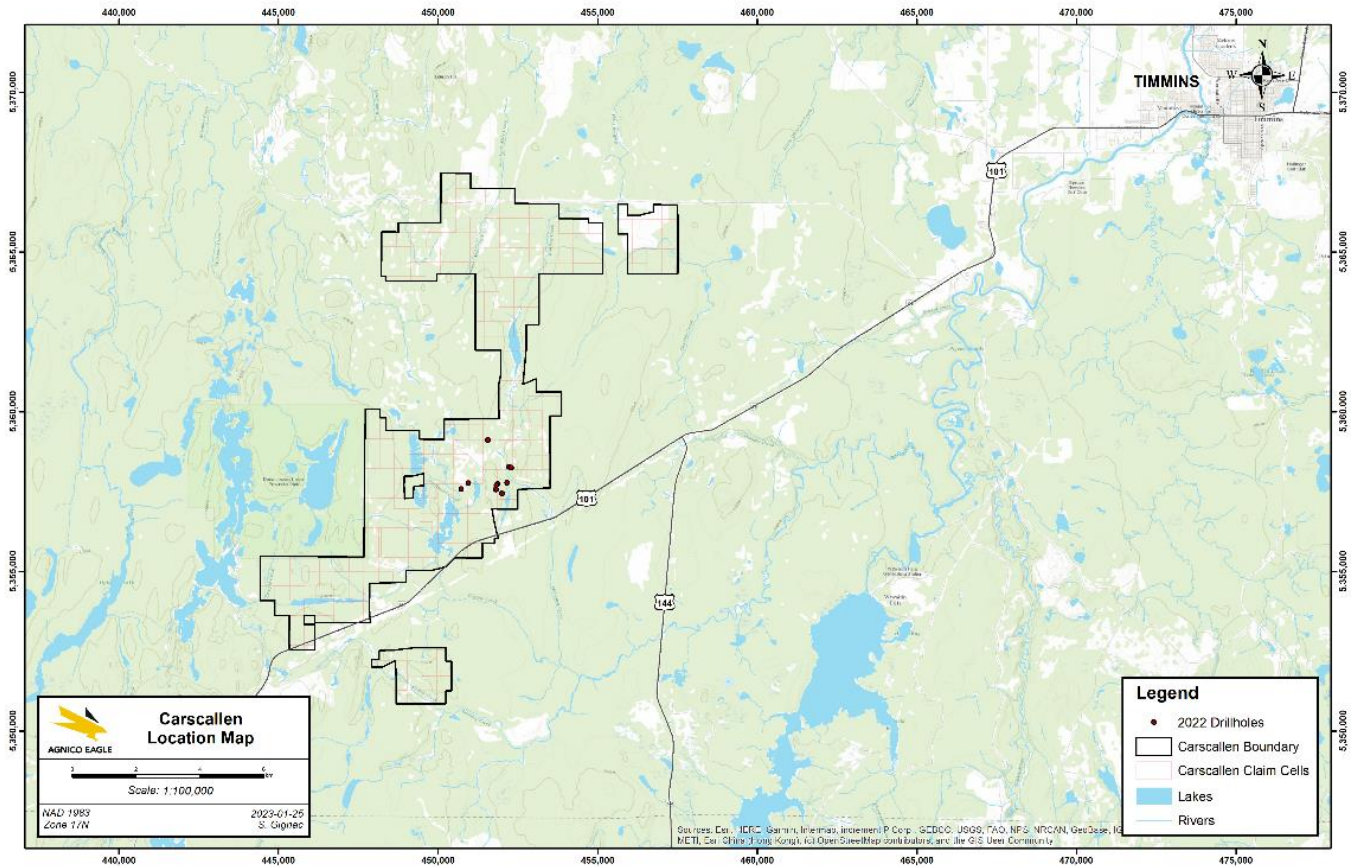


Figure 1: Map of Carscallen Property

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.

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 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 the central part of the present property. Nothing of interest was found, except for a weak magnetic anomaly which corresponded 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 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 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 the 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 to 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. 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 returning up to 58.7 gpt Au were collected from the 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 returning 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 returning samples of up to 163 gpt Au obtained from the 1010 vein, 280 gpt Au from the Jowsey, 14 gpt Au from the Shenkman, and 84 gpt Au from the 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, totaling 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.

In 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 totaling 4,111.5 m in 2009 and 37 holes totaling 13,538.38 m in 2010. 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 the completion of a 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. Twenty-five holes were surveyed, and a three-dimensional chargeability model was generated. Drilling of seven drill 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 a 21.8-line km survey in March and an additional 22-line km survey 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 meters. 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 gold 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 holes CAR-19-03A, 20-04 and 20-05 during a 2019/2020 drill campaign by Melkior suggests the strongest vein system to date that can be effectively traced up dip and downdip for 220 meters. Significant results from the 2019 program included 23.5 gpt Au/8.0 meters from 426 to 434 meters including 372 gpt Au/0.5 meters from 433 to 433.5 meters in drill hole CAR-19-03A.

Between the months of March and April 2020, a drill program by Melkior 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. Significant results from this program included 4.2 gpt Au/4.0 meters in CAR-20-04, 25.7 gpt Au/6.0 meters including 102 gpt Au/1.5 meters in CAR-20-05 and 5.83 gpt Au/9.0 meters including 67.9 gpt Au/0.5 meters, 79.8 gpt Ag/0.5 meters, .62% Cu/0.5 meters and .26% Zn/0.5 meters in CAR-20-06. Drill hole CAR-20-06 was drilled targeting a mise-a-la-masse conductor approximately 200 meters south of drill hole CAR-19-03A and suggested the possibility of a VMS source or environment with the associated silver, copper, and zinc values.

Regional and Property Geology

Regional Geology

The 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 terms, 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.

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.

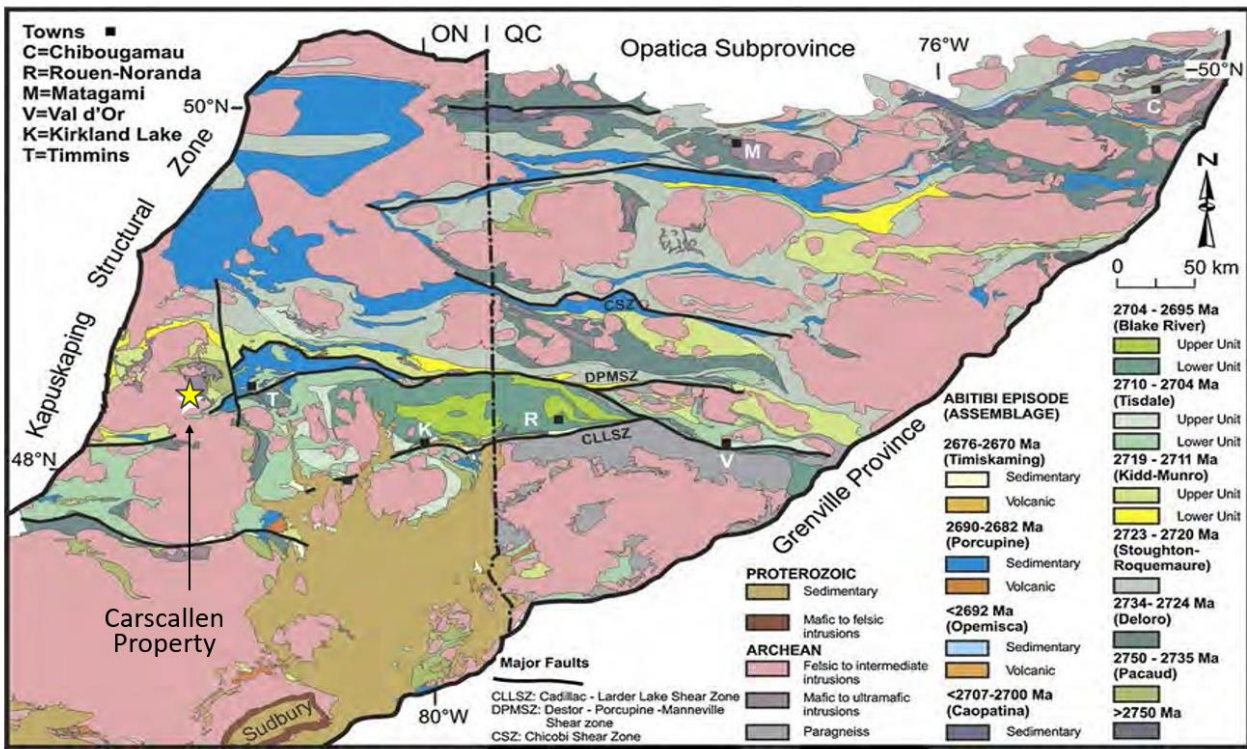


Figure 2: Regional Map of Abitibi Greenstone Belt.

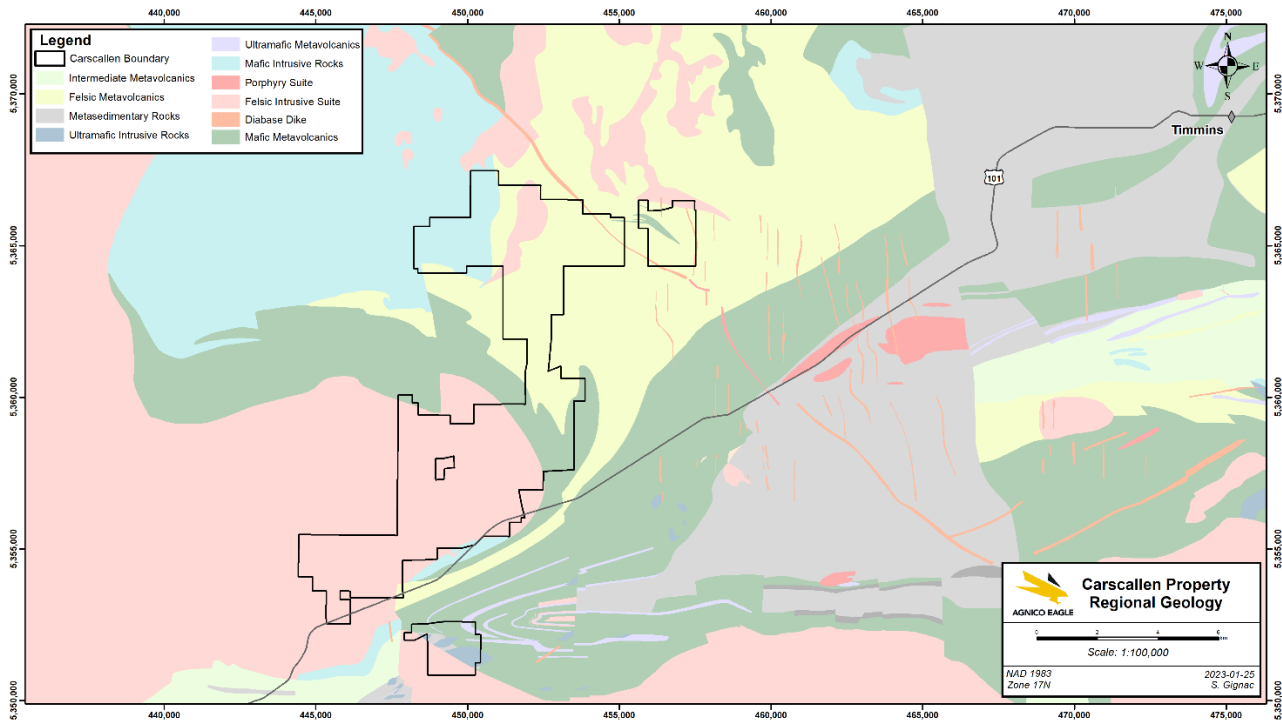


Figure 3: Geology and Property Map.

Property 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, felsic 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.

2022 Drilling Program

The 2022 diamond drill Program at Carscallen Property occurred within the Carscallen Township. In the third and fourth quarters of 2022 a total of 6,283 meters was drilled in holes CAR-22-23 to CAR-22-32 which are listed in Table 1. A detailed summary of significant intersections is described below.

Major Drilling was contracted by Agnico Eagle Gold to carry-out the drilling programs. Peter Caldbick, P.Geo logged the diamond drill core at the Agnico Eagle Exploration office/core shack in Timmins Ontario.

Modeling of Carscallen mineralized veins was utilized to establish areas of the property with higher potential for higher grades. Most of the Carscallen properties high grade intercepts are in the Shenkman zone. The higher-grade mineralization follows a trend striking NE-SW and dipping to the SE. The higher-grade intercepts, along with lithological and structural measurements have shown that the strongest shearing structures are trending E-W. This leads to the idea that mineralization trending NW-SE (340 degrees) is not the primary mineralization of interest it is rather the extensional vein style mineralization. To test this theory a series of holes in the current program were drilled at a 310 degree azimuth. These holes successfully hit mineralization in the general area where it was expected, although further work needs to be completed to understand the geometry of the vein sets. To properly understand the structural complexity of Carscallen it would be suggested that a structural study be completed utilizing oriented core along with field mapping. The use of oriented core in the previous programs was inconclusive, either due to inconsistencies in marking the core at the drill or when collecting measurements. This information, however, would likely yield to a much better understanding of the structural controls at Carscallen.

Hole ID	Target	East UTM (m)	North UTM (m)	Azimuth	Dip	Final Depth	From (m)	To (m)	Interval (m)	Au (gpt)
CAR-22-23	Shenkman Deep	452210	5358260	240	-54	786	588.16	590.2	2.0	2.59
							596	596.5	0.5	3.59
CAR-22-24	Shenkman Deep	452285	5358245	240	-54	777	635	635.6	0.6	2.39
CAR-22-25	310 Shenkman	451865	5357740	310	-70	600	324.5	325	0.5	4.42
							329.2	330.7	1.5	6.75
							Incl. 329.7	330.2	0.5	18.3
							344	345	1.0	2.08
							346	346.5	0.5	2.28
							414.5	415	0.5	2.12
							515.5	516	0.5	8.49
							522	522.5	0.5	8.1
525	525.5	0.5	8.49							
CAR-22-26	Mystery	452000	5357430	310	-55	546	191.25	191.75	0.5	2.6
							209.5	210	0.5	1.69
							464	464.5	0.5	8.36
							513	514	1.0	1.13
							530	531	1.0	1.03
CAR-22-27	North	451550	5359100	240	-50	450	341.7	342.2	0.5	8.29
CAR-22-28	310 Shenkman	451825	5357700	310	-70	702	241.1	241.6	0.5	1.79
							251	251.5	0.5	4.93
							254.5	255	0.5	2.31
							262	262.5	0.5	1.07
							272.5	273	0.5	14.5
							290.5	291	0.5	4.15
							302.1	303	0.9	1.13
							308	308.5	0.5	1.03
							476	476.5	0.5	2.27
							501.5	502.5	1.0	4.49
							incl. 502	502.5	0.5	7.92
510.5	511	0.5	2.07							
593	593.5	0.5	2.58							
CAR-22-29	1010 South	450945	5357760	120	-60	462	100.2	100.9	0.7	2.29
							195.4	196	0.6	19.5
CAR-22-30	1010 North	450720	5357580	90	-55	402				
CAR-22-31	310 Shenkman	451815	5357565	310	-60	802	287.5	288	0.5	2.32
							292	292.5	0.5	9.96
							301.2	302	0.8	2.29
							306.5	309	2.5	1.5
							396	396.5	0.5	49.6
							443.5	444.1	0.6	23.1
							448.5	449	0.5	1.17
							725.5	726	0.5	2.31
CAR-22-32	310 Shenkman	452164	5357777	320	-60	756	735	737	2.0	1.13
							739	739.5	0.5	1.17

Table 1: 2022 Drill Hole Collar Table

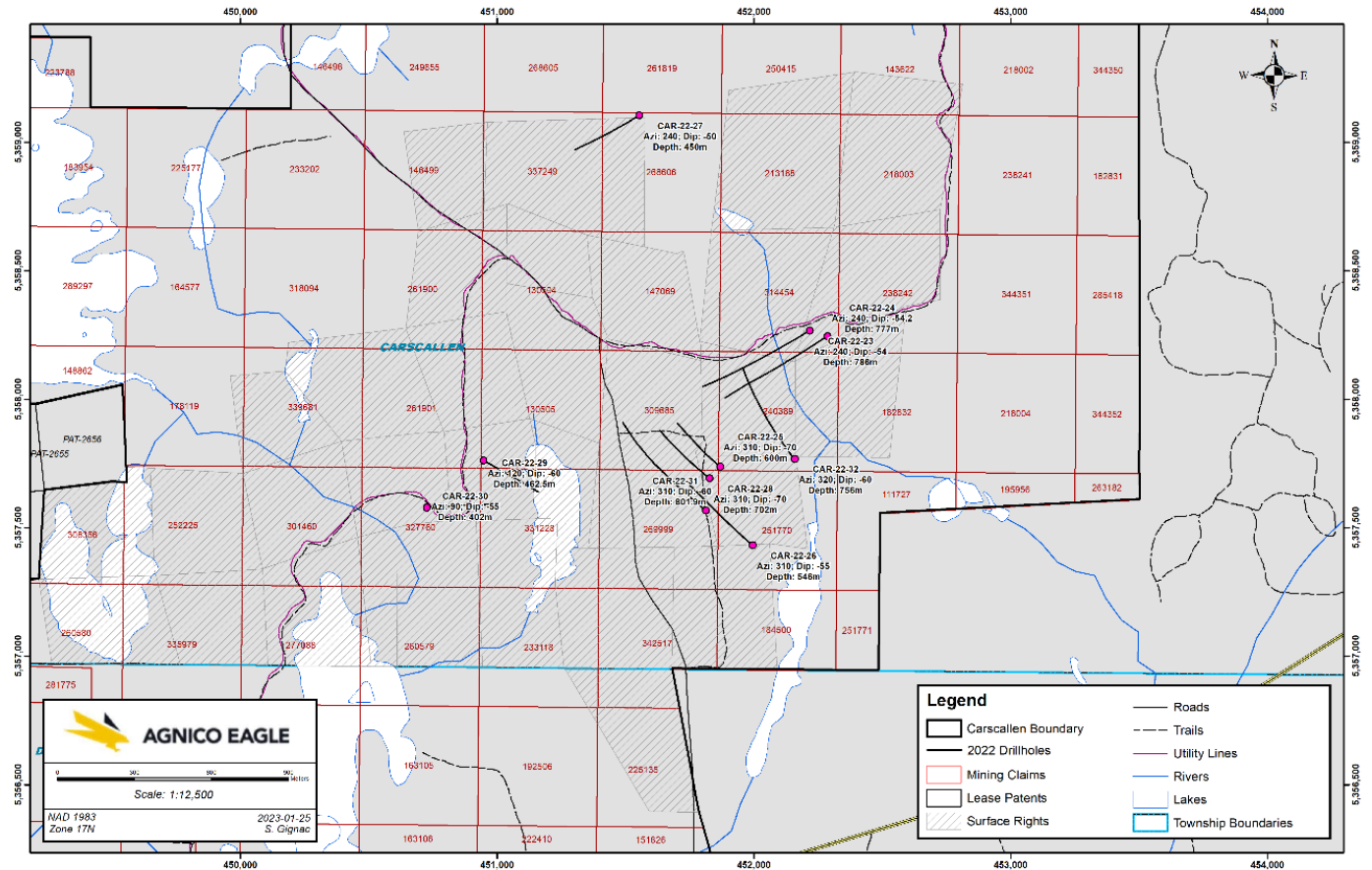


Figure 4: Drillhole Location Map for the 2022 Program.

Drill Hole Summaries

The 2022 diamond drill Program consisted of 6,283 meters at Carscallen Property. The drill was mobilized in late May 2022.

In the first drill hole, CAR-22-23, a significant amount of faulting occurred in the first 236 meters of the drill hole. This drillhole did not achieve the grades anticipated. although the hole did validate continuity of the gold bearing structure as lower grade values did occur where anticipated. There was a significant amount of granodiorite far below the mafic volcanic/granodioritic contact which is interpreted to be an apophyse below the granodioritic sill and may have had some influence on the grades encountered in CAR-22-23. The final depth of this drill hole was 786 meters.

CAR-22-24 was drilled to a depth of 777 meters. This drill hole was anticipated to intersect two significant vein systems approximately 100 meters downdip of CAR-2012-80 which intersected 7.18 gpt Au over 1.9 meters and 51.4 gpt Au over 3.5 meters. The two targeted vein systems were anticipated to occur at depths of approximately 550 meters and 630 meters respectively. Anomalous gold values did occur at 551.5 meters, and 635 meters as well. Higher grade gold intercepts historically occur in pyrite-quartz-carbonate veinlets which contain 10 to 50% pyrite, however, gold mineralization in CAR-22-24 typically occurred in carbonate stringers without the typically higher percentage of sulphides.

CAR-22-25 was drilled at an azimuth of 310 degrees to a depth of 600 meters. The drillhole was drilled in the southern portion of the Shenkman and targeted a high-grade northwest trending corridor of gold mineralization based upon modelling in Datamine. Mineralized intercepts seen in CAR-22-25 do line up with the modeling and thus extends the gold mineralization down dip 100 meters. In addition, a strong new zone was intersected lower in the stratigraphy. This mineralization was intersected between 515 and 525 meters hosting sulphide enriched quartz-carbonate veins up to 10 cm in width and possessing up to 75% columnar aggregates of subhedral pyrite.



Figure 5: Drill core intercept in CAR-22-25 showing several quartz sulphide veins cutting through feldspar porphyry.



Figure 6: Vein intercepts in CAR-22-25 showing several quartz sulphide veins within mafic flow breccia.

CAR-22-26 targeted the Mystery Zone and was drilled to a depth of 546m. A gold mineralized intercept occurred within a 21cm quartz veinlet system with approximately 12 to 15% clusters of subhedral pyrite hosted within an epidotized granodiorite. This hole intersected stratigraphy similar to CAR-20-06 which included pyrrhotite enriched magnetite iron formations and felsic volcanics.

CAR-22-27 was drilled approximately 100 meters north of a previously drilled hole CAR-21-19. This hole was collared approximately 400 meters north of the Zam Zam Zone. CAR-22-27 intersected a mineralized vein system from 341.7 to 342 meters within mafic flow breccias with approximately 10 to 12% pyrrhotite, 5 to 7% pyrite and 1 to 2% chalcopyrite which is likely to be the continuation of the vein system encountered in CAR-21-19. The mineralized intercept in CAR-21-27 was significant because it appears to have continuity with the mineralized intercept seen in CAR-21-19 and based upon this it is likely an extension of the gold mineralization 100 meters north of CAR-21-19.

CAR-22-28 was drilled at an azimuth of 310 degrees. This hole was drilled to a depth of 594 meter. The drillhole was drilled in the southern portion of the Shenkman Zone and targeted a high-grade northwest trending corridor of gold mineralization based on modelling from previous drilling. This drill hole was collared approximately 50 meters southwest of an earlier drill hole CAR-22-25 which intersected encouraging results. CAR-22-28 intersected numerous vein systems within a feldspar porphyry in contact with a silicified granodiorite.

CAR-22-29 was collared to target an elevated IP chargeability response on the 1010 North Zone. This drill hole encountered two significant sulphide veins at 100.2 meters 194.5 meters. Both veins occurred within carbonatized granodiorites and are described as significant clusters of coarse subhedral pyrite. This drill hole was extended to intersect the granodiorite/mafic volcanic contact but remained in granodiorites.



Figure 7: Drill core intercept in CAR-22-27 showing quartz sulphide vein (po,py,cpy) within mafic flow breccia.



Figure 8: Drill core intercept in CAR-22-29 in the 1010 North Zone showing sulphidic vein within carbonatized granodiorite.

CAR-22-30 was collared on the 1010 South Zone and was designed to follow up on an earlier historic drill hole intercept in CAR-29-2010 which intersected 17.28 gpt Au/0.65 meters from 147.60 to 148.25 meters. This drill hole encountered scattered magnetite-rich mafic dikes and sericitized porphyries notably at 245 meters and 269 meters. This drill hole returned no significant assays. It is believed that this drill hole was not successful because it failed at intersecting the intrusive lithology that hosted gold mineralization along the contact, this could be due to the fact the intrusive is following a different orientation or could be cut off by structures down dip. This area doesn't have enough drill holes to understand the geology.

CAR-22-31 was collared approximately 100 meters southwest of CAR-22-28. This hole was successful repeating the stratigraphic sequence as CAR-22-28 along with intersecting similar gold bearing mineralization at the projected target areas. CAR-22-28 intersected a mineralized feldspar porphyry dike within silicified granodiorites, CAR-22-31 also encountered a similar feldspar porphyritic dike from 301.2 to 320.8 meters. Further down hole a 20 cm quartz vein with approximately 20 to 25% clusters of subhedral pyrite within a carbonatized granodiorite hosting mineralization. At a depth of 443.5 to 444.1 meters a magnetite-rich iron formation hosted within felsic volcanics occurred and hosted anomalous gold mineralization.



Figure 9: Drill core intercept in CAR-22-31 showing sulphide vein within carbonatized granodiorite.



Figure 10: Drill core intercept in CAR-22-31 showing quartz sulphide vein (po,py,cpy) within magnetite-rich iron formation.

CAR-22-32 was collared approximately 300 meters northeast of CAR-22-25 at an azimuth of 320 degrees and had a depth of 756 meters. This drill hole was designed to target a high-grade northwest trending corridor of gold mineralization. The hole encountered mafic volcanics at 348 meters and remained in predominantly massive mafic flows with intercalated mafic flow breccias. Minor felsic volcanics and ultramafic volcanics were also encountered. A series of 1 to 2 cm sulphide enriched veinlets occurred at 674, 678 and 685 meters averaging 12 to 15% clusters of subhedral pyrite but returned anomalous gold values. A mineralized zone comprised of approximately 6 to 7% scattered coarse subhedral to euhedral pyrite occurred at 735 to 736 meters. A 23 cm quartz-chlorite vein at 739.15 meters with approximately 20 to 25% clusters of subhedral returned anomalous gold grades. It is hypothesized that although this zone returned sub economic grades, the drill hole had strayed considerably off azimuth and may have strayed beyond the limits of the projected corridor of high-grade intercepts.

Conclusion

The 2022 drill campaign was successful in validating and deepening mineralized gold bearing structures as well as creating and expanding strike extents of previously established gold bearing systems. The drilling was designed to follow up on earlier drill hole intercepts in the Shenkman Zone previously drilled by Melkior Resources in 2019/2020 drilling. Results from the program were encouraging. Although the first two drill holes in the program CAR-22-23 and CAR-22-24, designed as deeper and infill drill holes on the Shenkman returned low grade gold values, the holes did validate continuity of the gold bearing structure as lower grade values did occur where anticipated. Based upon the initial results, geologists with Agnico Eagle Mines employed a different strategy using modelling from Datamine software. A local corridor with higher grade intercepts trending 40 degrees northeast was determined and thus, a series of drill holes explored this trend collared at an azimuth of 310 degrees. This strategy proved successful with encouraging intercepts in drill holes CAR-22-25, CAR-22-28 and CAR-22-31.

Drill hole CAR-22-27 was drilled approximately 100 meters north of CAR-21-19 which intersected significant gold mineralization within a 30 cm quartz vein hosting elevated pyrrhotite, pyrite and minor chalcopyrite occurring approximately 350 meters north of the Zam Zam Zone. CAR-22-27 also intersected a 30 cm quartz vein with appreciable amounts of pyrrhotite, pyrite and chalcopyrite. This vein also possessed the same suite of sulphide mineralization (pyrrhotite, pyrite, chalcopyrite and sphalerite) as was encountered in drill hole CAR-21-19. This has significant implications for exploration north of the Zam Zam Zone as this intercept is situated approximately 450 meters north of the Zam Zam Zone and no significant drilling has been done in this area.

Another significant mineralized intercept occurred in CAR-22-29 collared on the 1010 North Zone to test an elevated IP chargeability high. This is one of the deepest gold intercepts in the 1010 North zone and suggests continuity downdip of gold bearing structures at depth.

Multiple prospective gold areas were identified for follow up work. Diamond drilling in areas such as north of the Zamzam/Jowsey zones, the Mystery prospect which is situated approximately 400 meters southeast of the Shenkman Zone and the 1010 North Zone. The ongoing success of the 2022 Carscallen drill program warranted an extension of the drilling from an initial commitment of 4,300 meters to 6,283 meters which concluded at the end of October 2022.

Recommendations

Considering recent results from the 2022 drill campaign, one of the areas for further investigation would be the North areas where drill holes CAR-21-18, CAR-21-19, and CAR-22-27 are collared. A potential program following up on the up-dip and downdip potential of this area. In the Mystery zone due to limited success with CAR-22-26 this area could benefit from some follow up drilling. The new orientation of drilling should be narrowed in on and tweaked with additional structural data before drilling more holes, but due to the success of hole, CAR-22-25, CAR-22-28, and CAR-22-31 it is strongly suggested that a structural study be completed prior to drilling more holes.

A Structural study of the Carscallen property would help identify/understand the structural complexity. This could help vector in to key major structures within the property to understand the setting for gold with respect to the geology and the structures. This could be done by utilizing the previously drill holes that had oriented core completed, along with a property scale mapping program that utilizes key area that could be stripped.

References

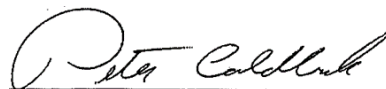
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Date and Signature Page

This report, entitled Assessment Report on the 2022 Exploration Drilling Program at “Carscallen Melkior-Agnico Eagle Gold” JV Project was prepared, reviewed and signed by the following authors:

Dated at Timmins, Ontario

December 21, 2022

A handwritten signature in cursive script, reading "Peter Caldbick", positioned above a horizontal line.

Peter Caldbick, P.Geol.

Senior Geologist - Consultant

A handwritten signature in cursive script, reading "Kara Byrnes", positioned above a horizontal line.

Kara Byrnes, P.Geol.

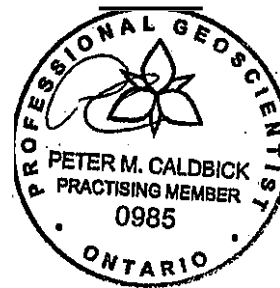
Regional Exploration Superintendent

Certificate of Qualification

I, Peter Caldbick, B.Sc., P. Geo, as co-author of the report entitled This report, entitled Assessment Report on the 2022 Exploration Drilling Program at “Carscallen Melkior-Agnico Eagle 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 21 day of December 2022



Peter Caldbick, P. Geo.

Certificate of Qualification

I Kara Byrnes, as co-author of the report entitled This report, entitled "Assessment Report on the 2022 Exploration Drilling 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 16 years.
- I am a practising member, in good standing, of the Association of Professional Geoscientists of Ontario (PGO), Membership # 2027.
- I have been a salaried employee of Kirkland Lake Gold since January 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 21 day of December 2022

A handwritten signature in black ink, appearing to read 'Kara Byrnes', with a stylized flourish at the end.

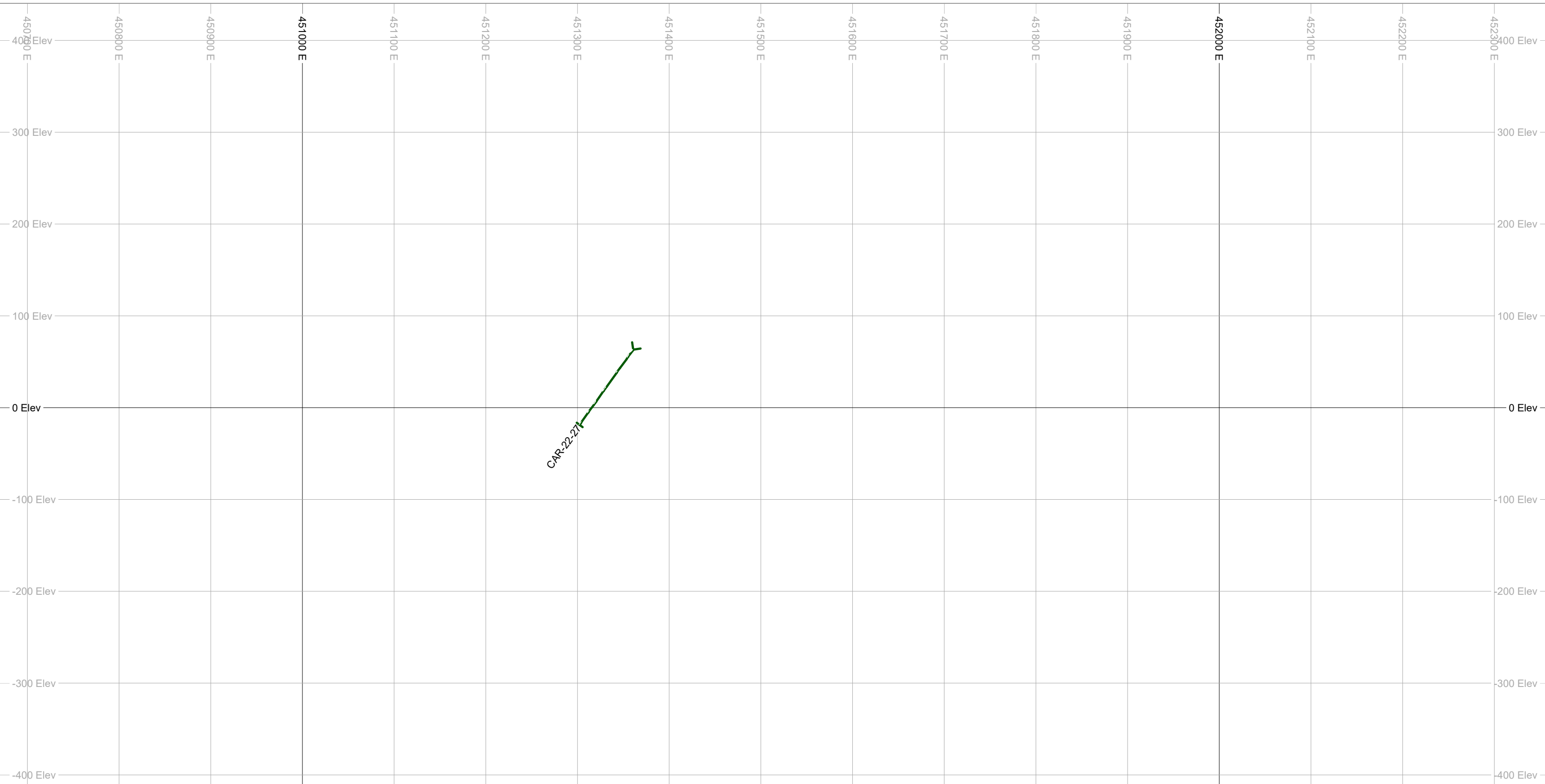
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AGNICO EAGLE

Appendix B

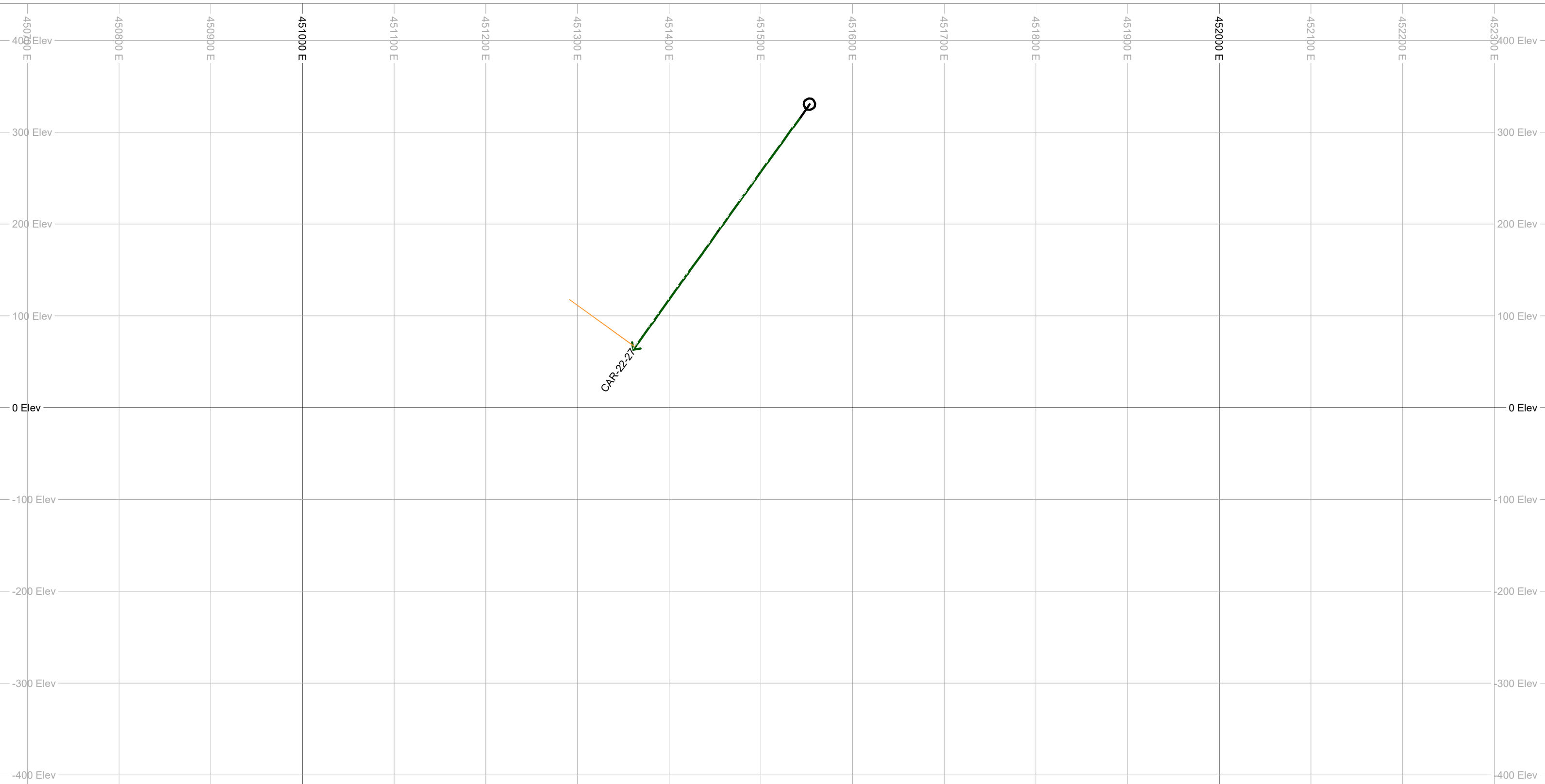
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Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

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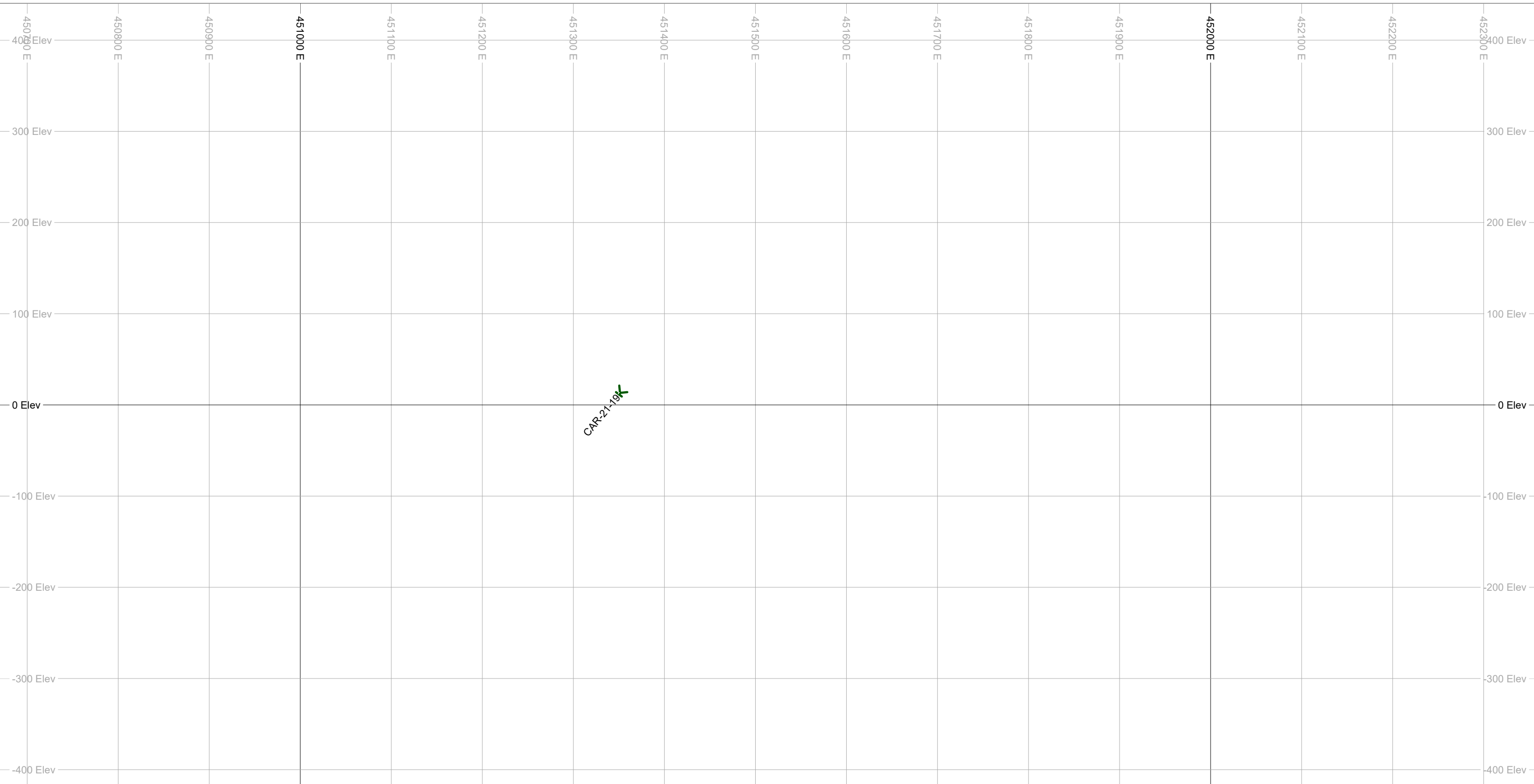
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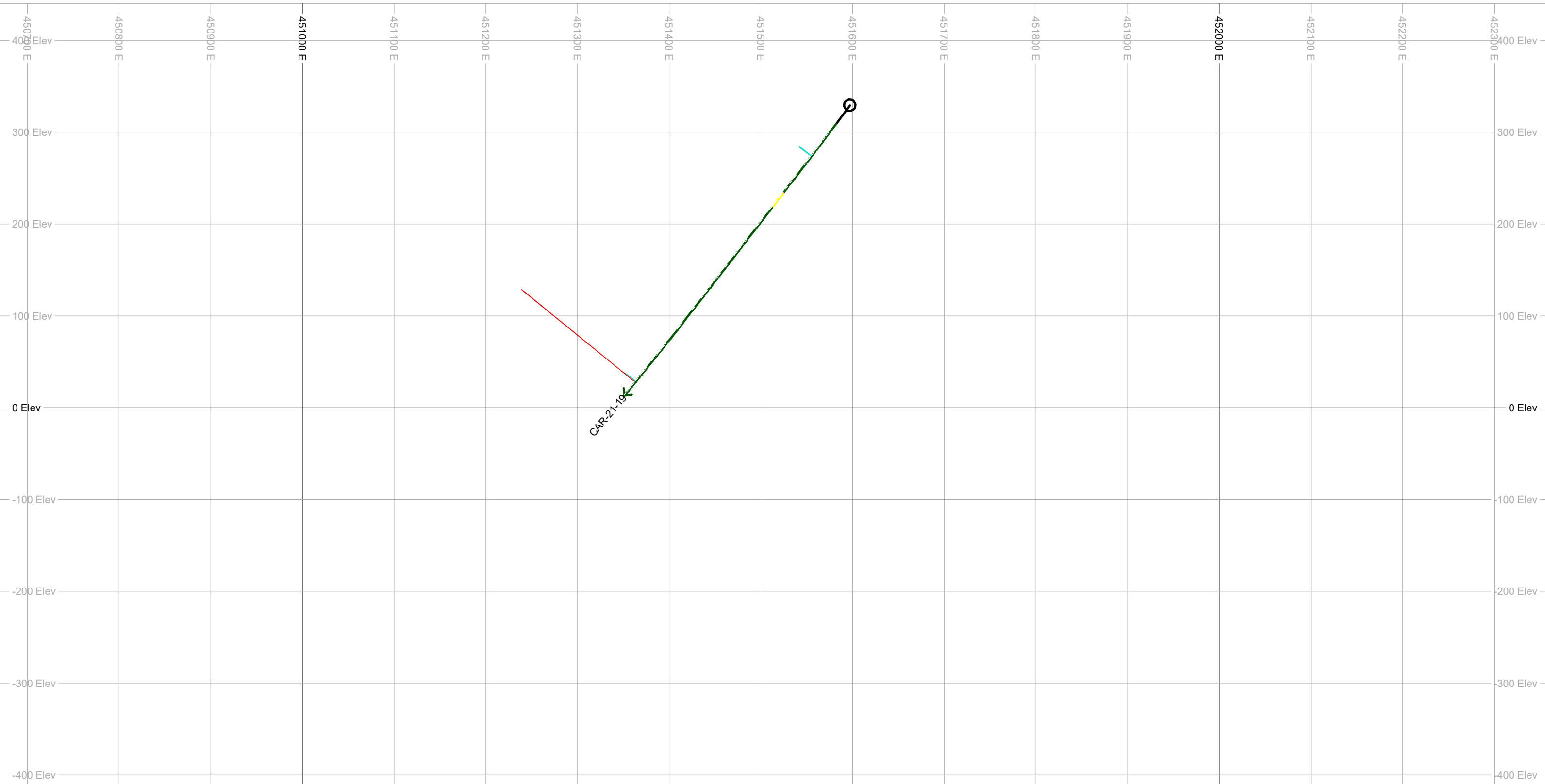
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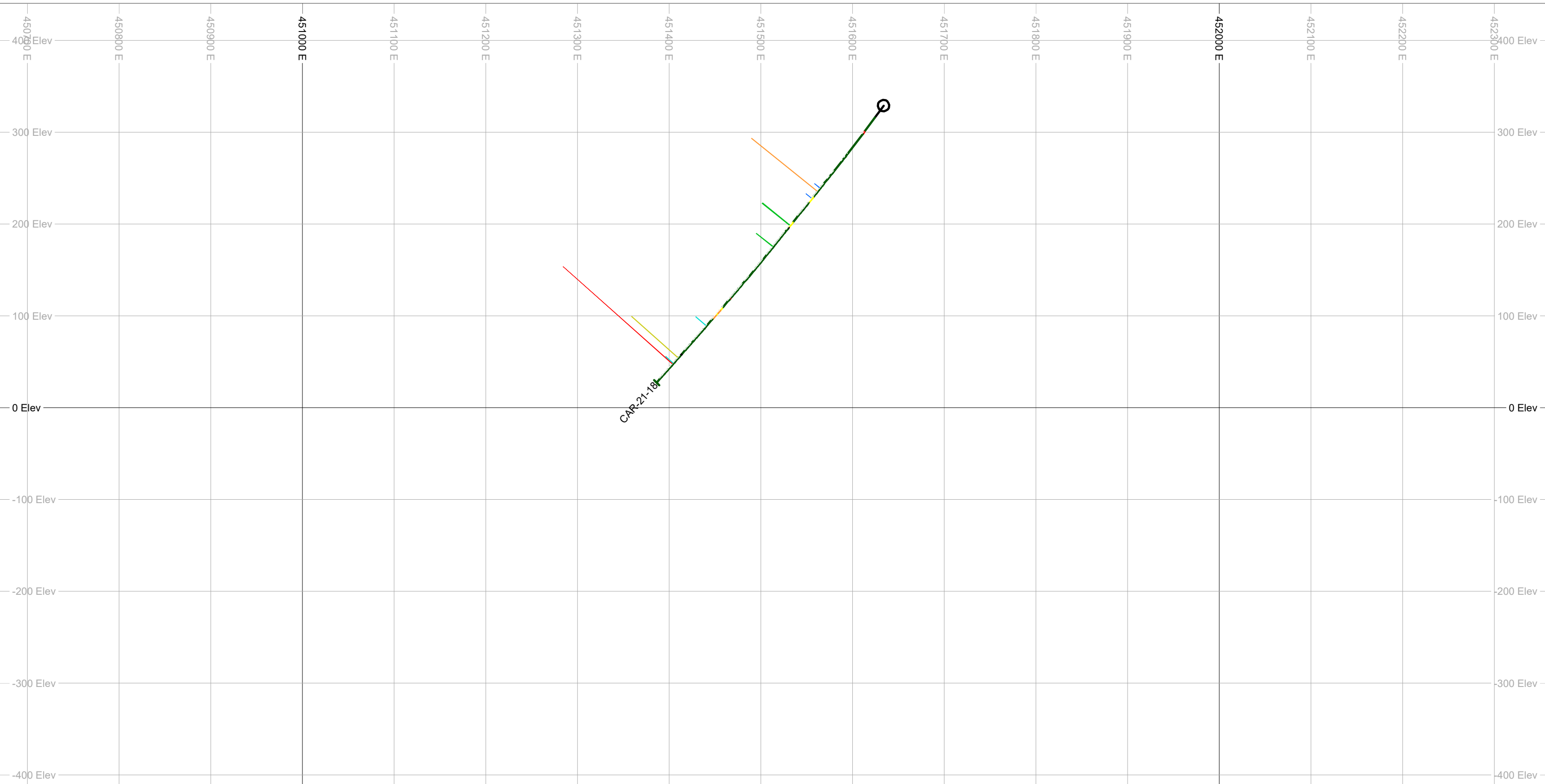
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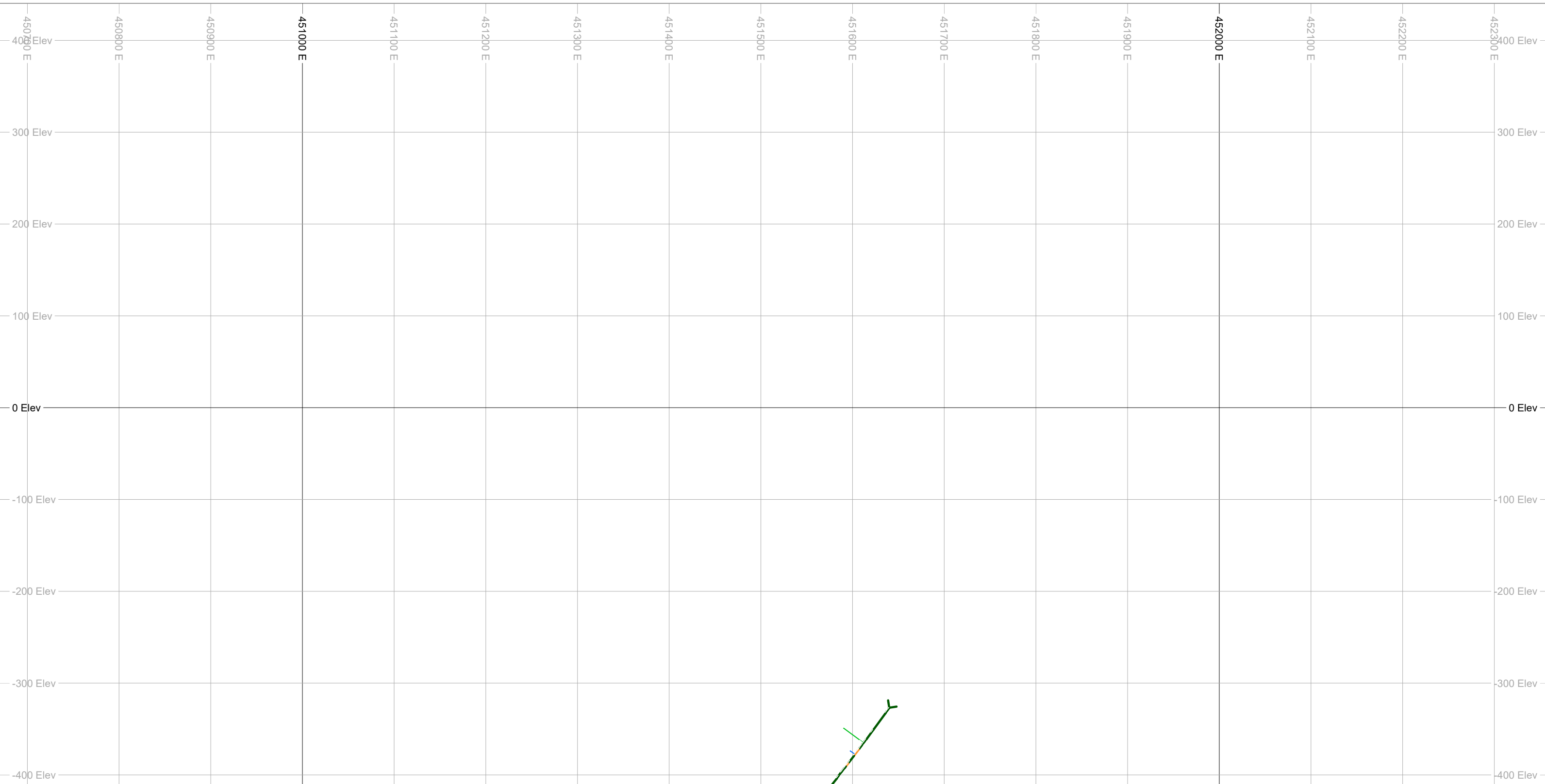
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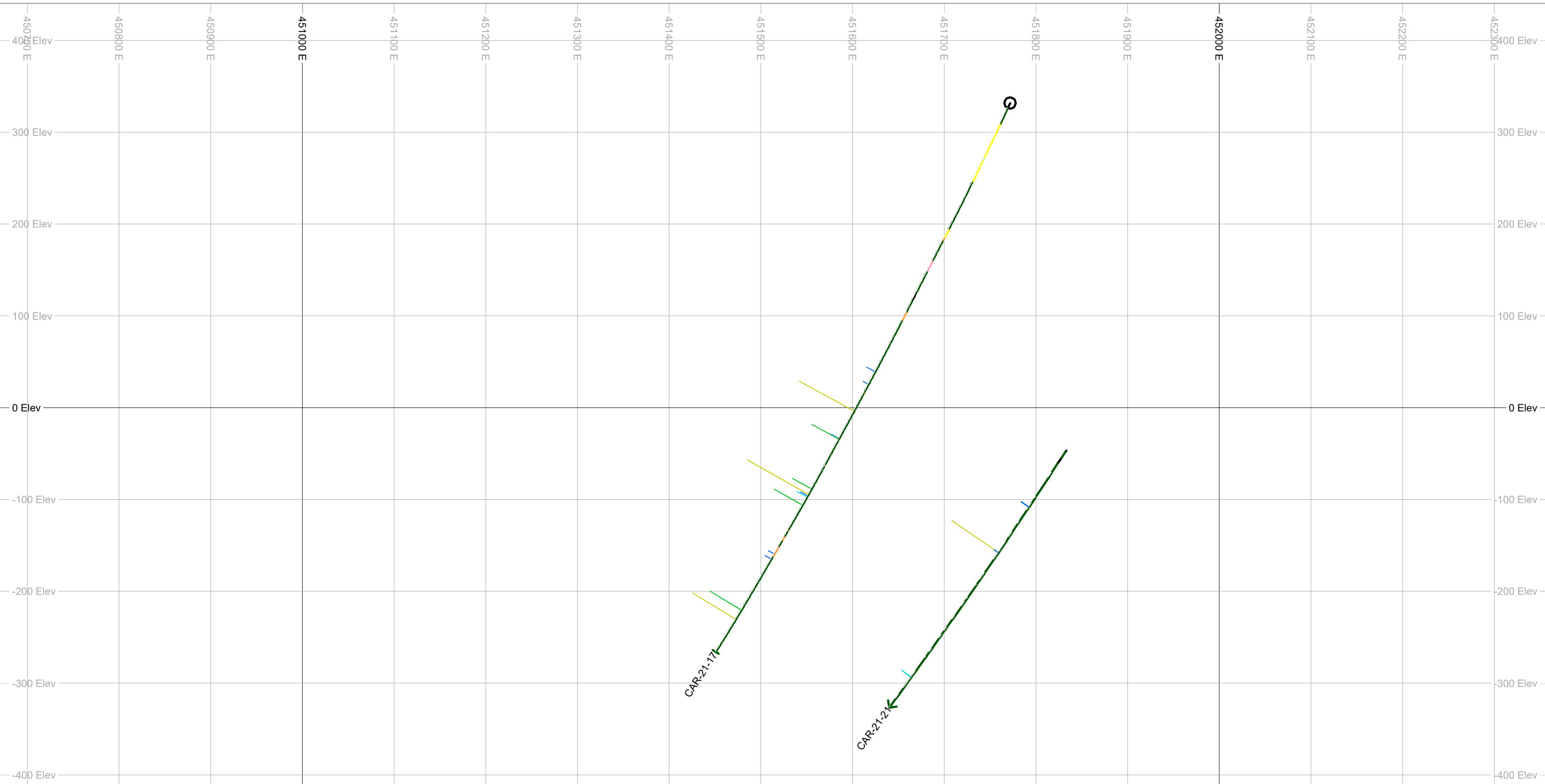
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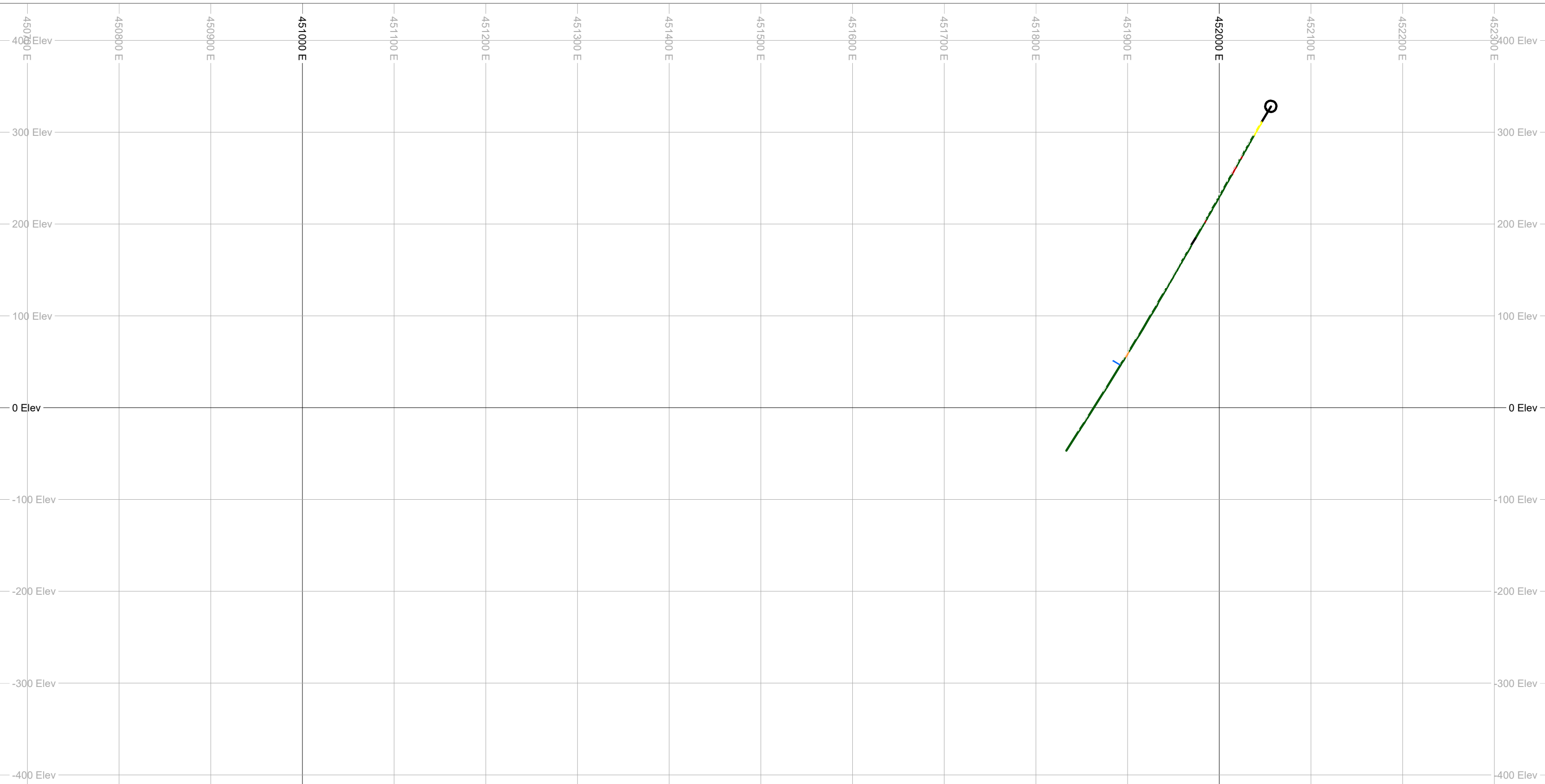
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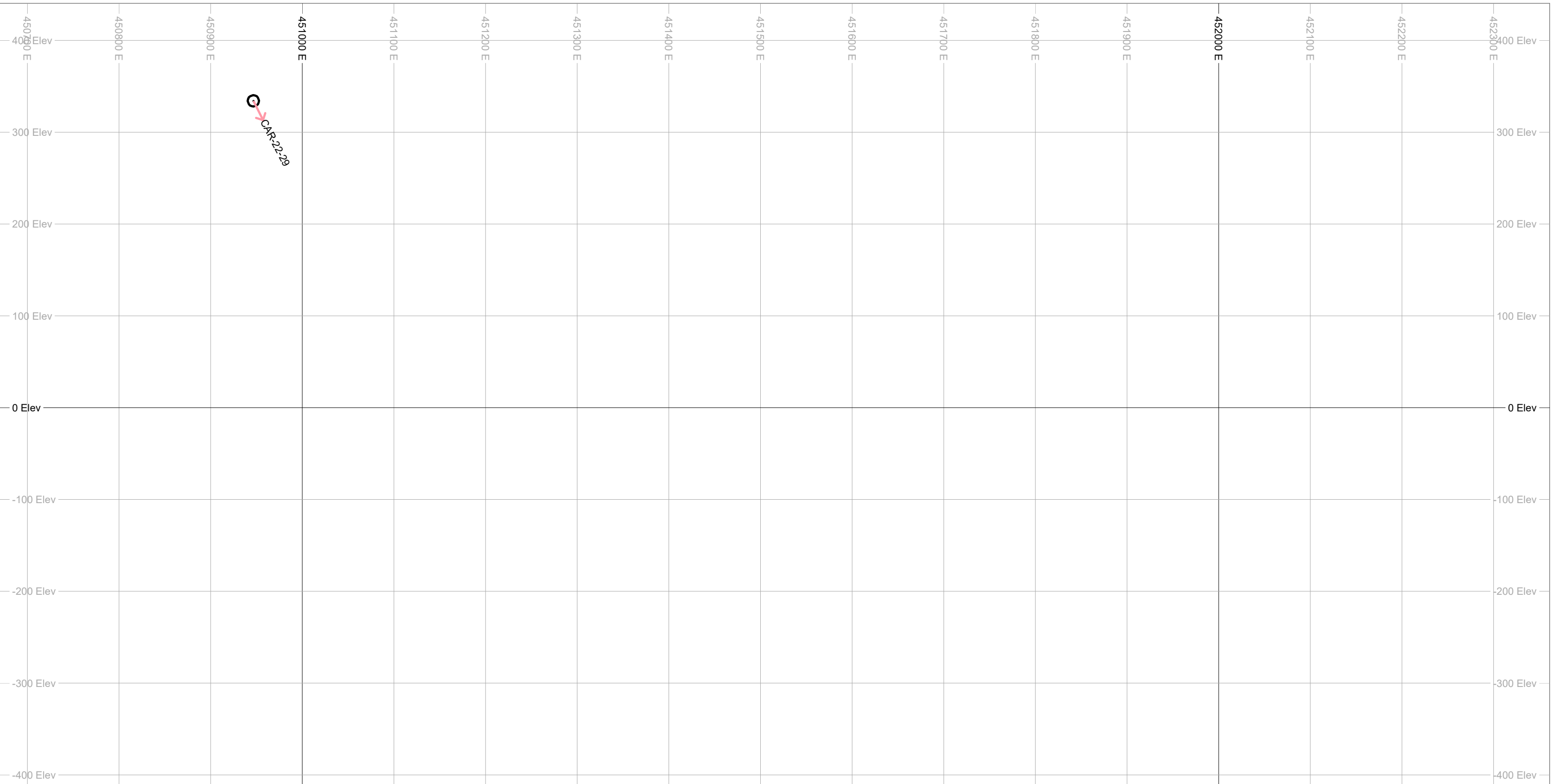
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Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

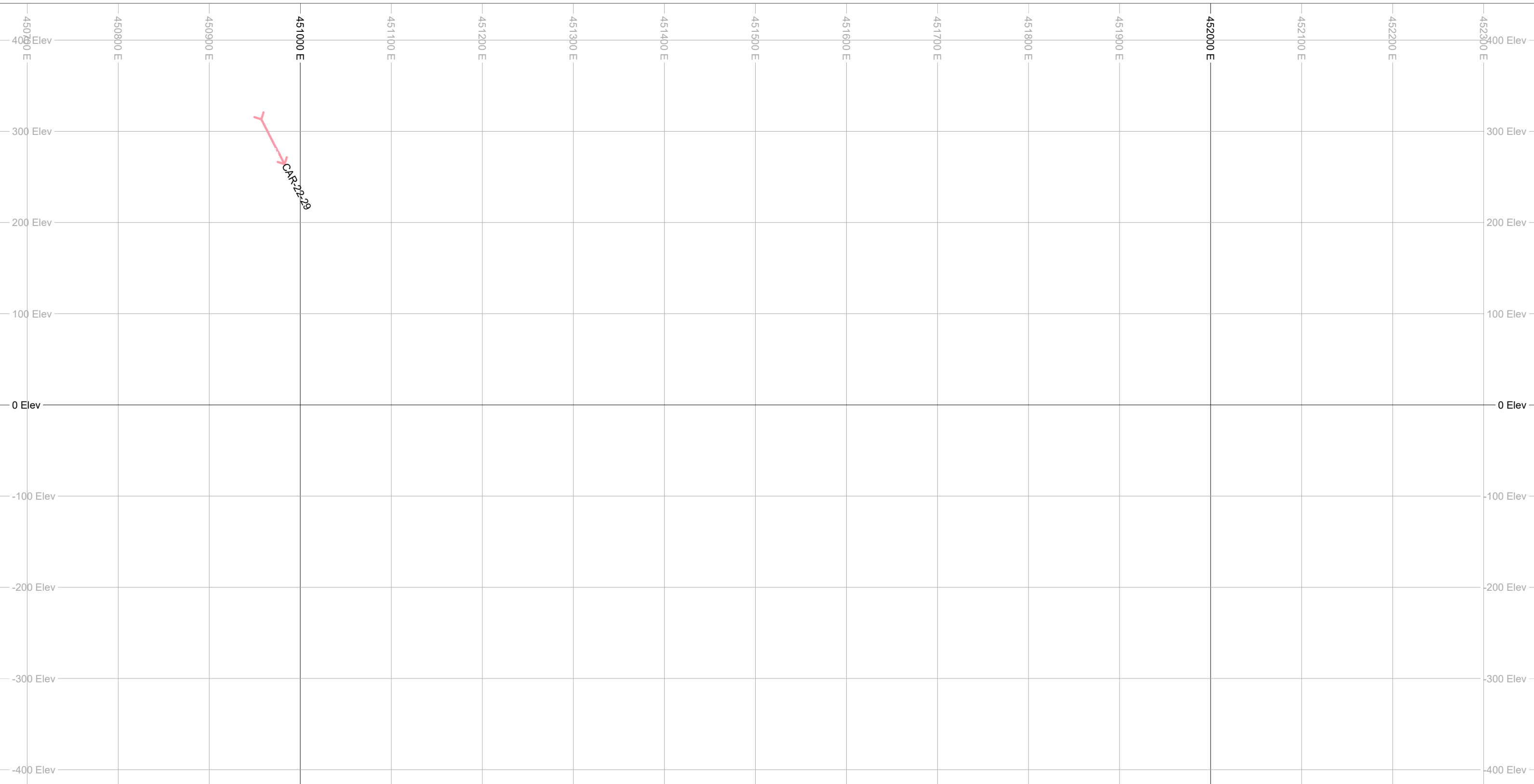
Melkior: 2021-2022 Drilling		
Section 28 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

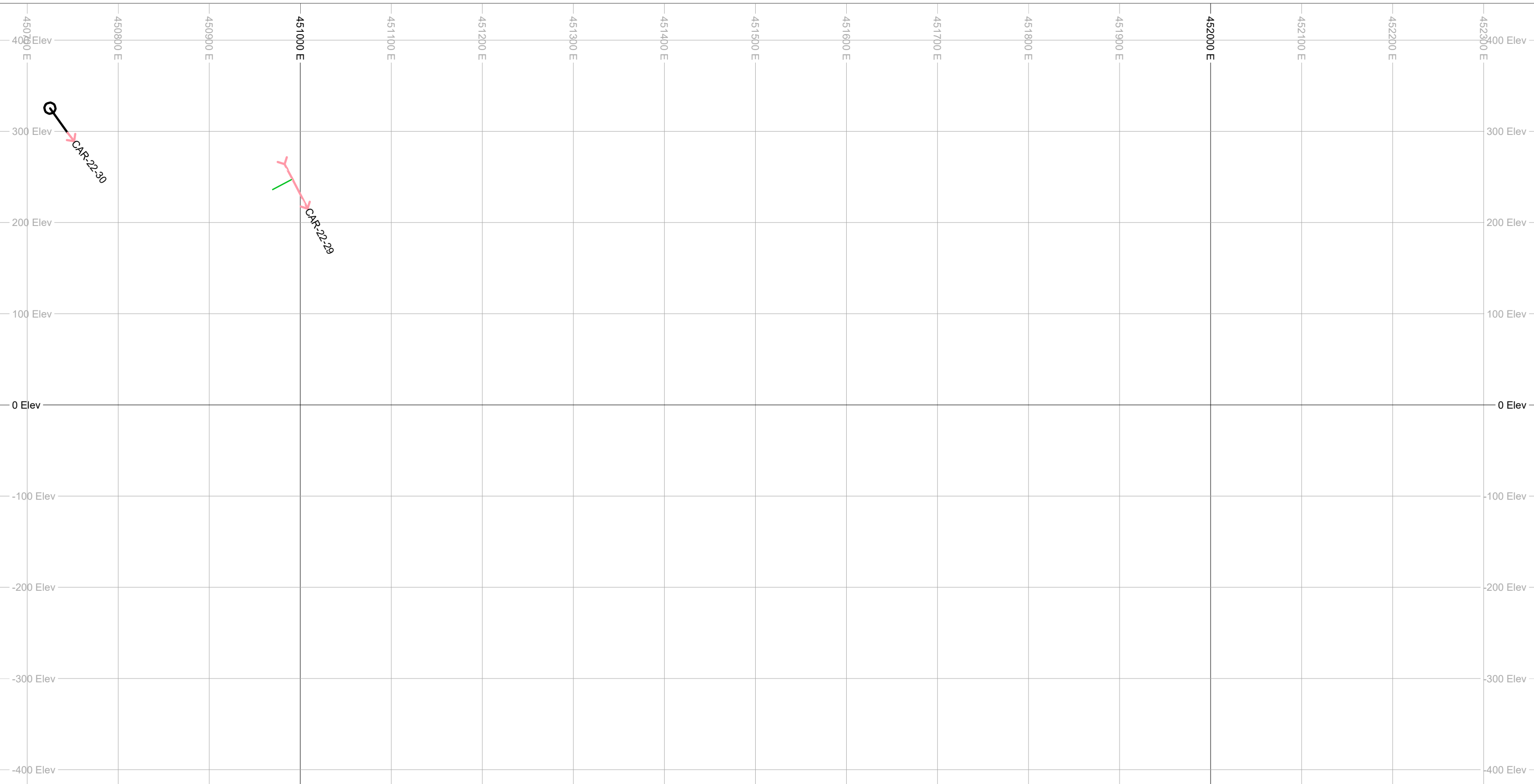
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



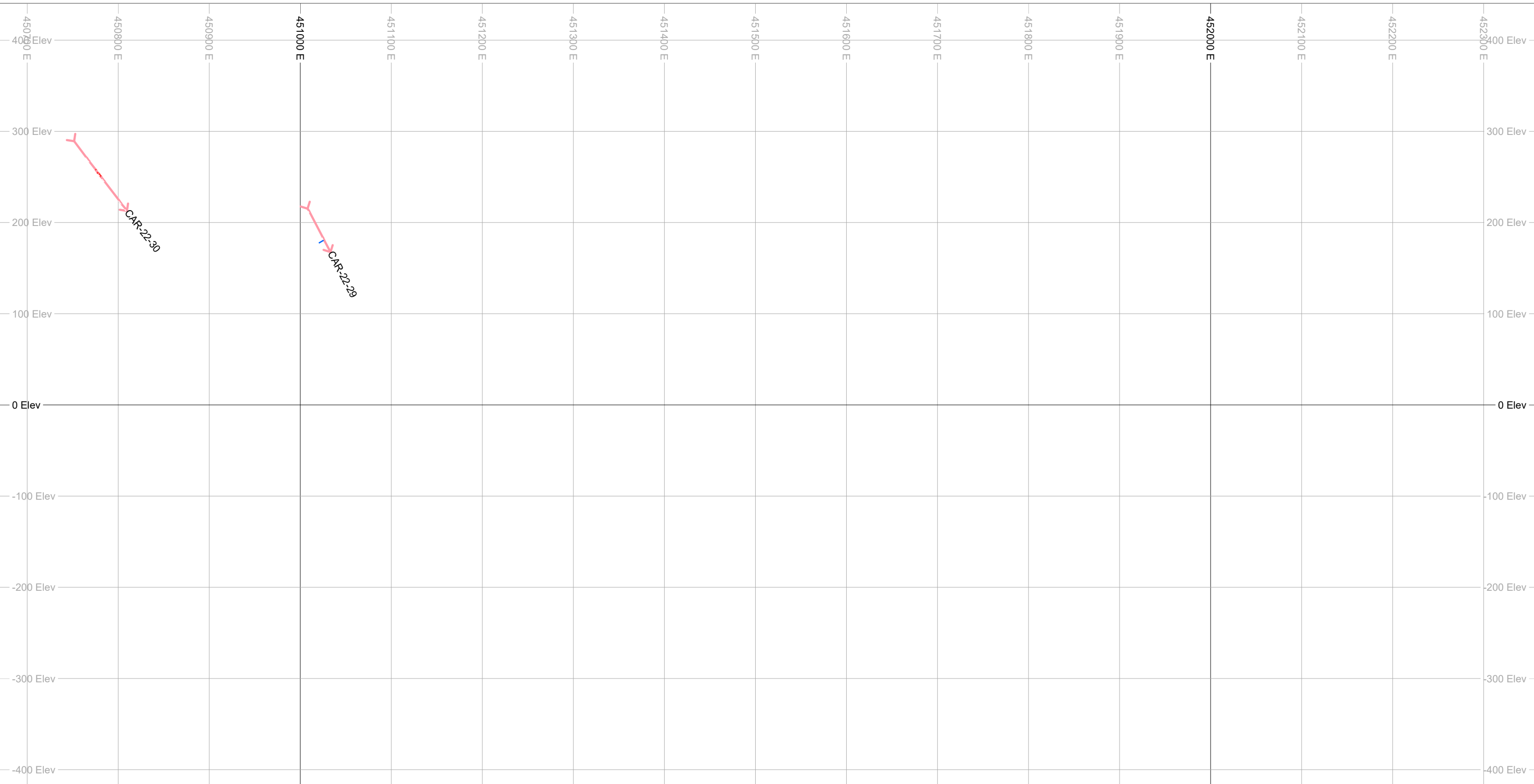
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 37 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



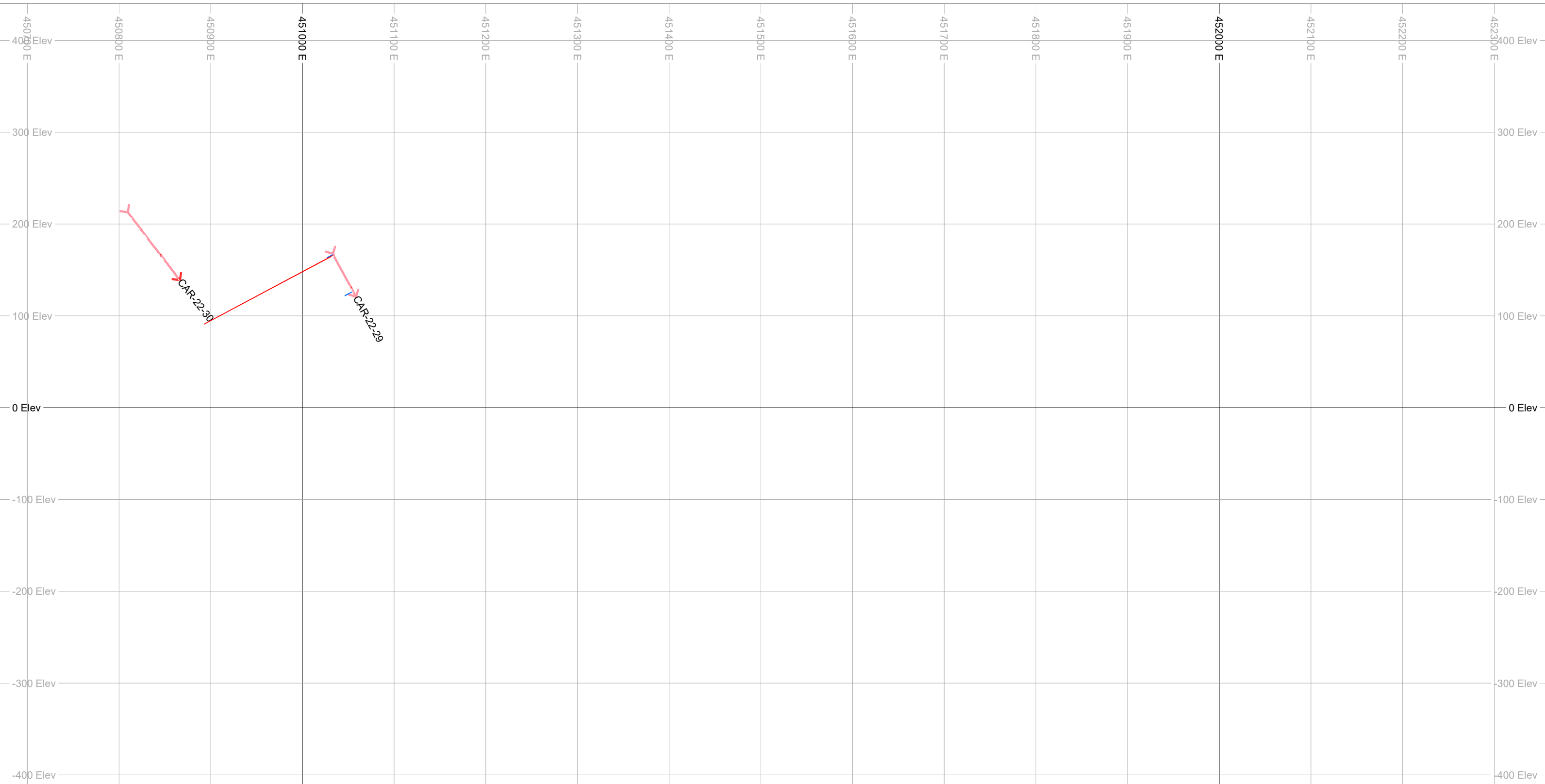
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 38 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



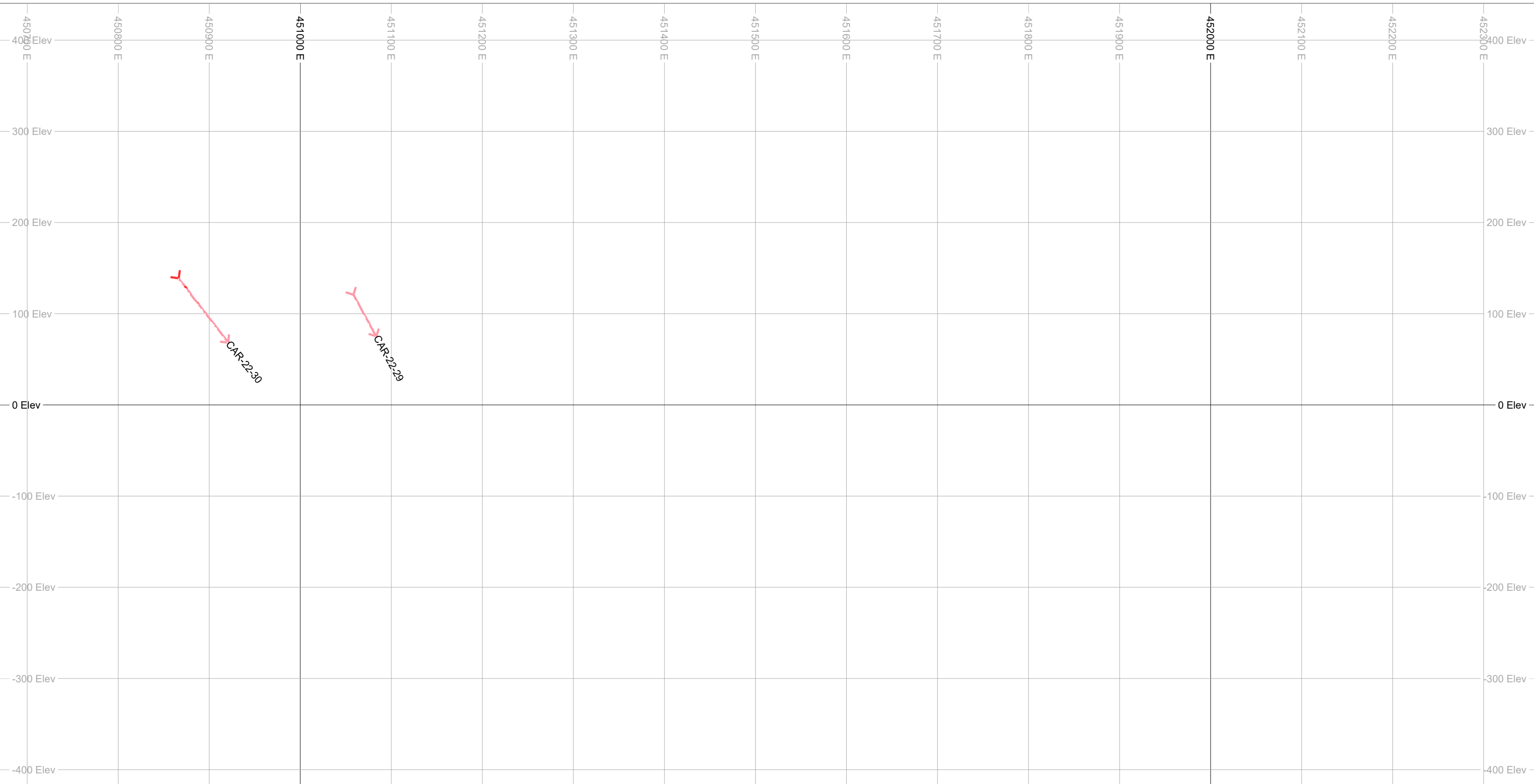
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 39 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



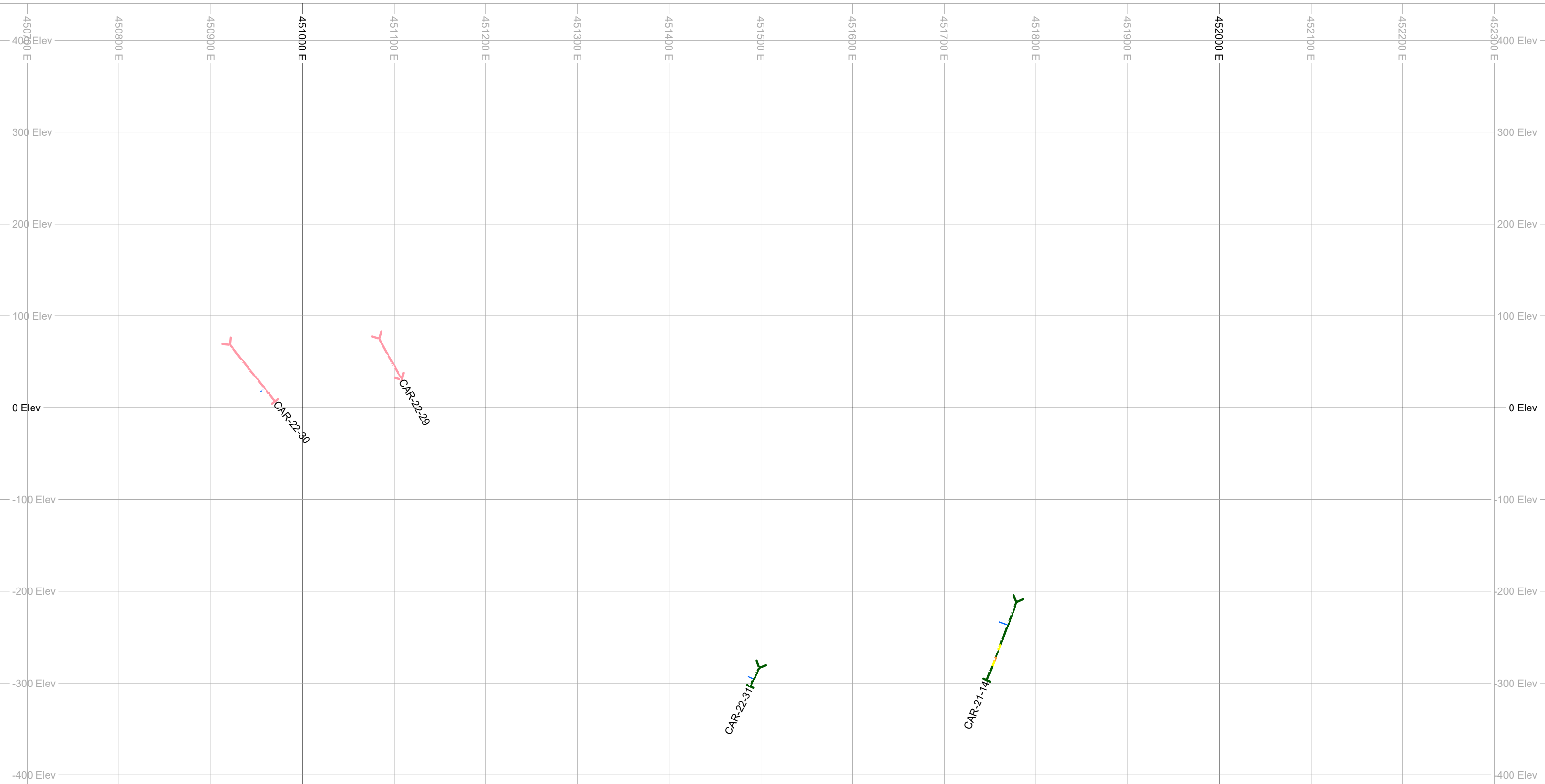
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



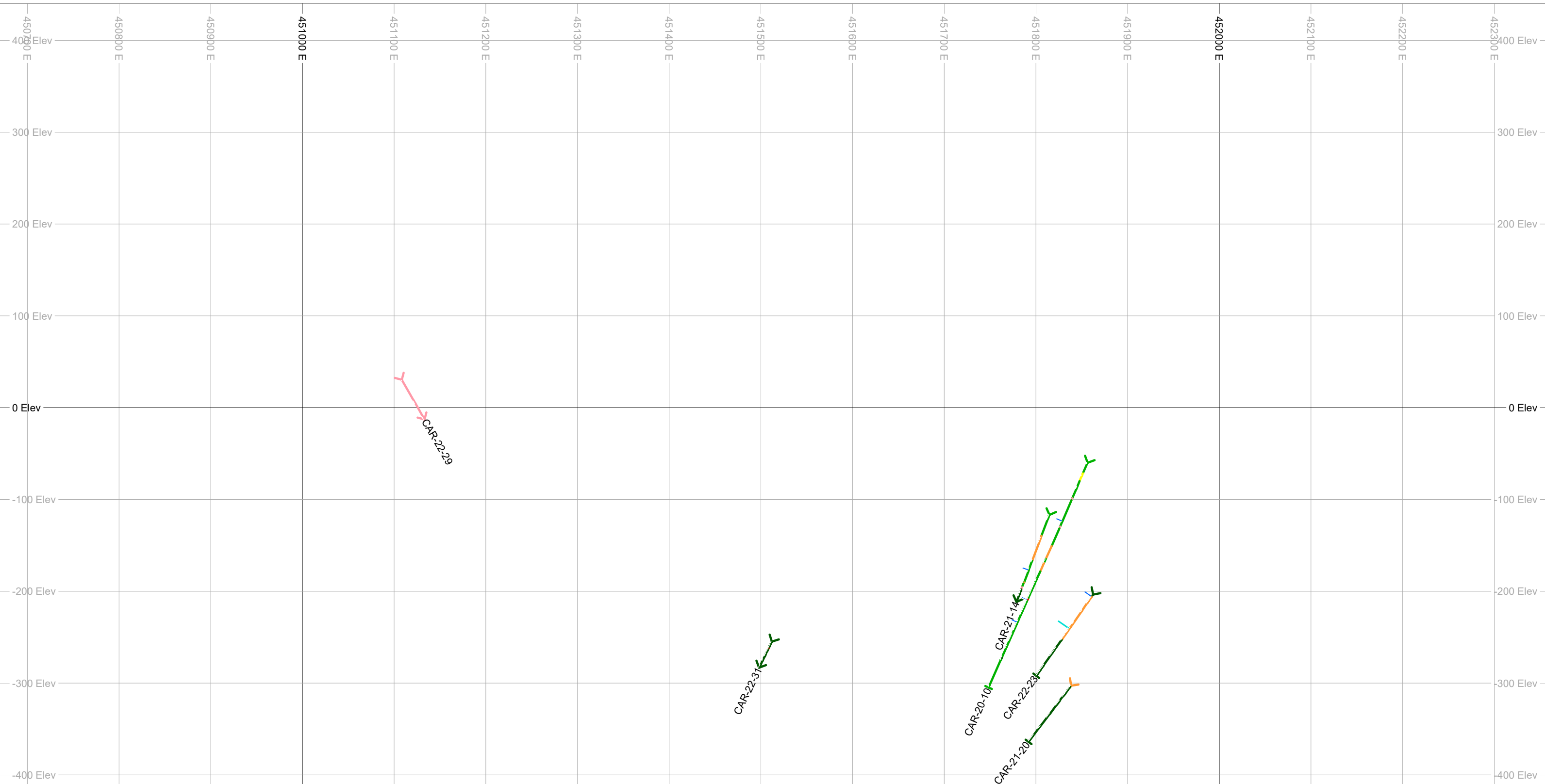
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 41 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



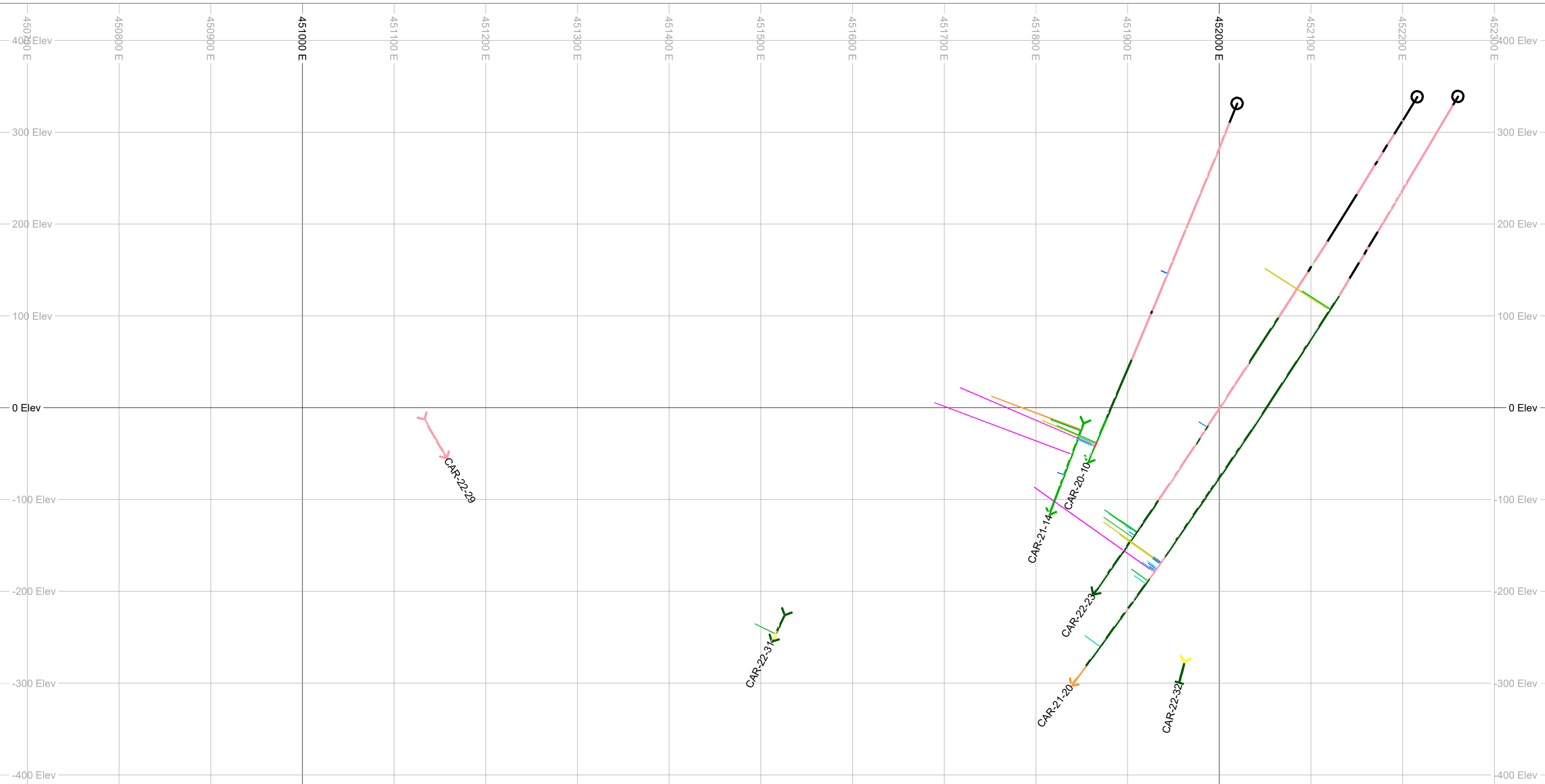
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

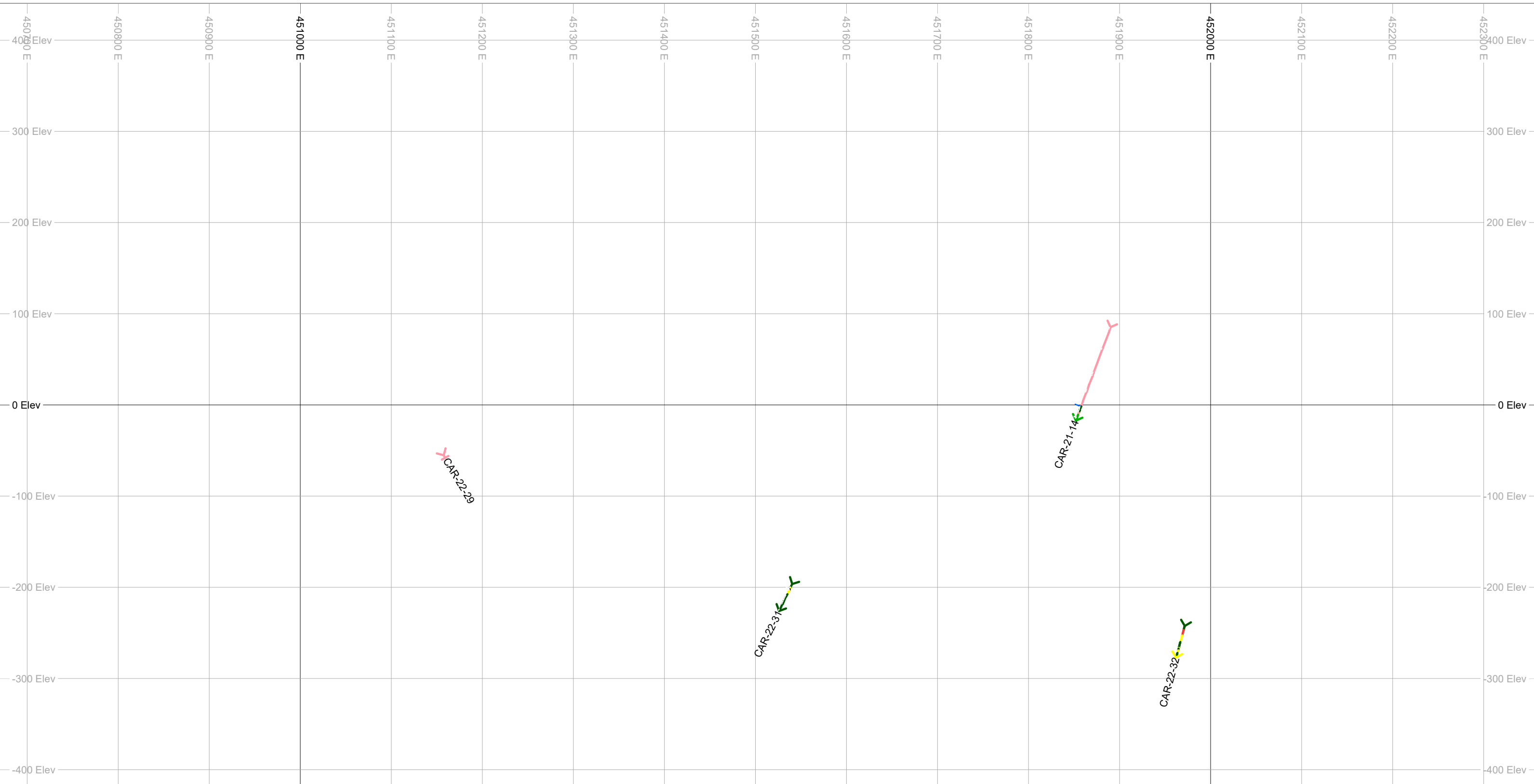
Melkior: 2021-2022 Drilling		
Section 43 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho			
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)

Assays g/t	
Unsampled	Trace
0.5 - 1.0 g/t	1.0 - 2.0 g/t
2.0 - 5.0 g/t	5.0 - 8.0 g/t
8.0 - 10.0 g/t	10.0 - 20.0 g/t
> 20.0 g/t	

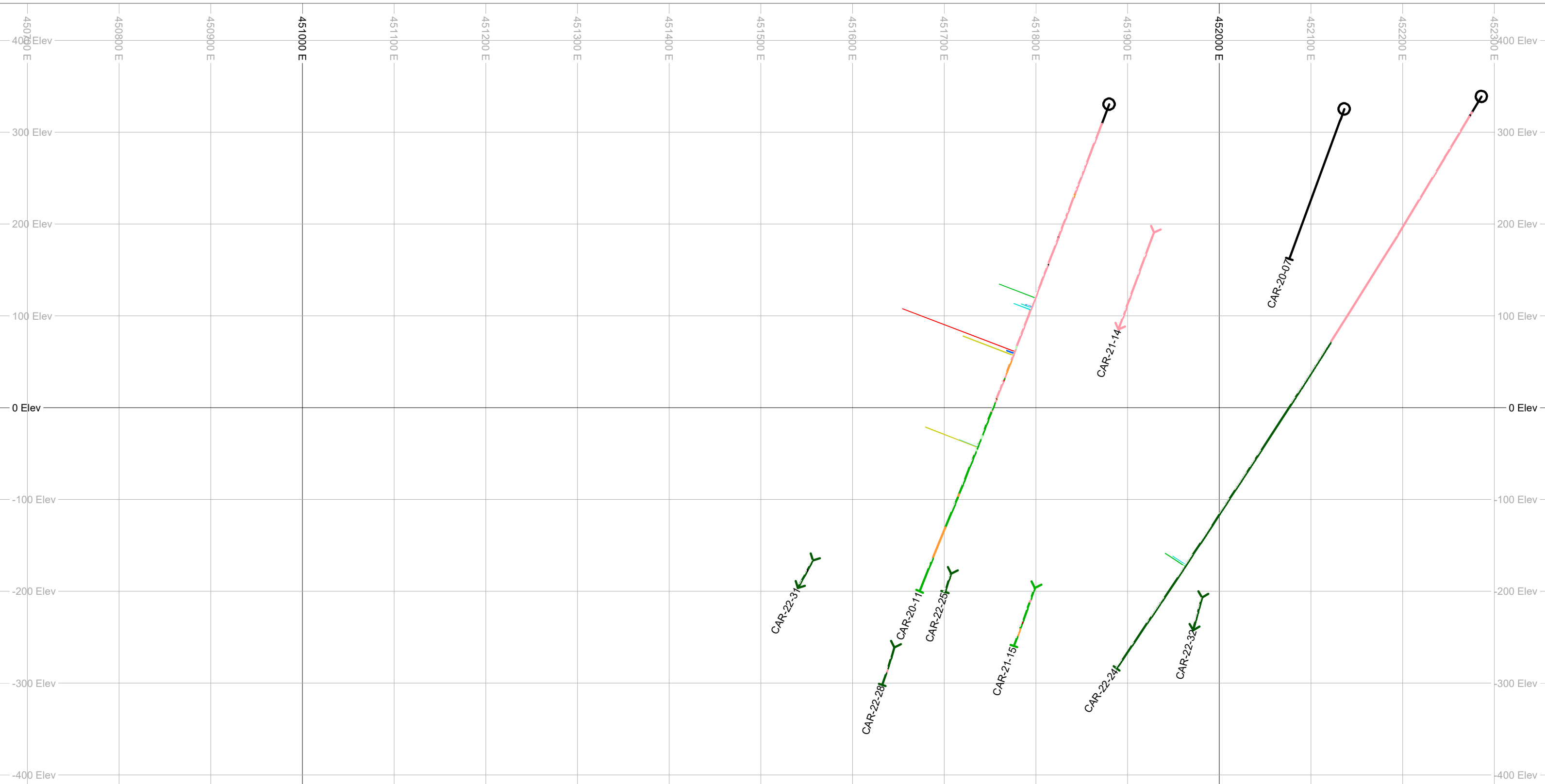
Melkior: 2021-2022 Drilling		
Section 44 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonalized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

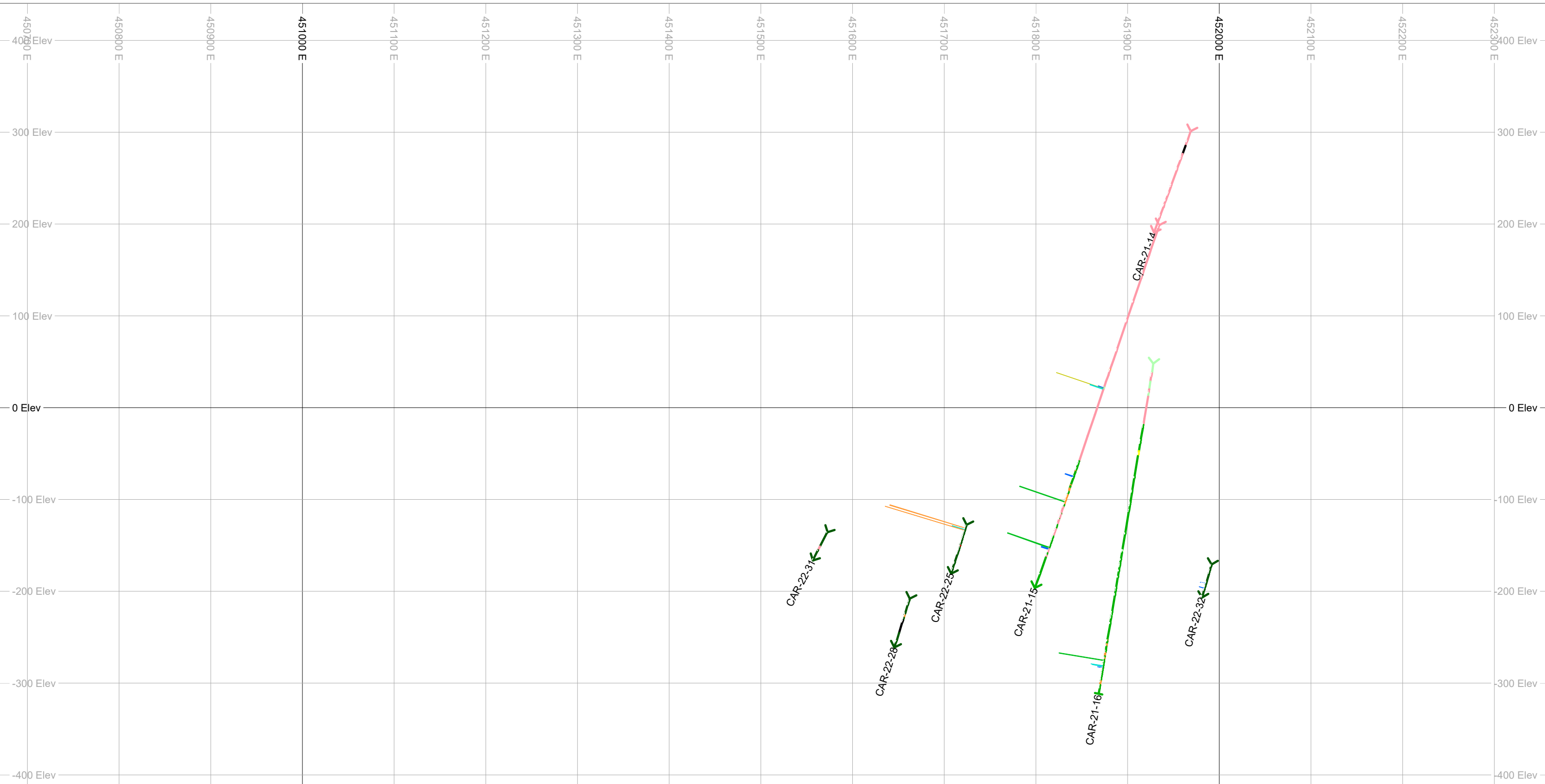
Melkior: 2021-2022 Drilling		
Section 45 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonalized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

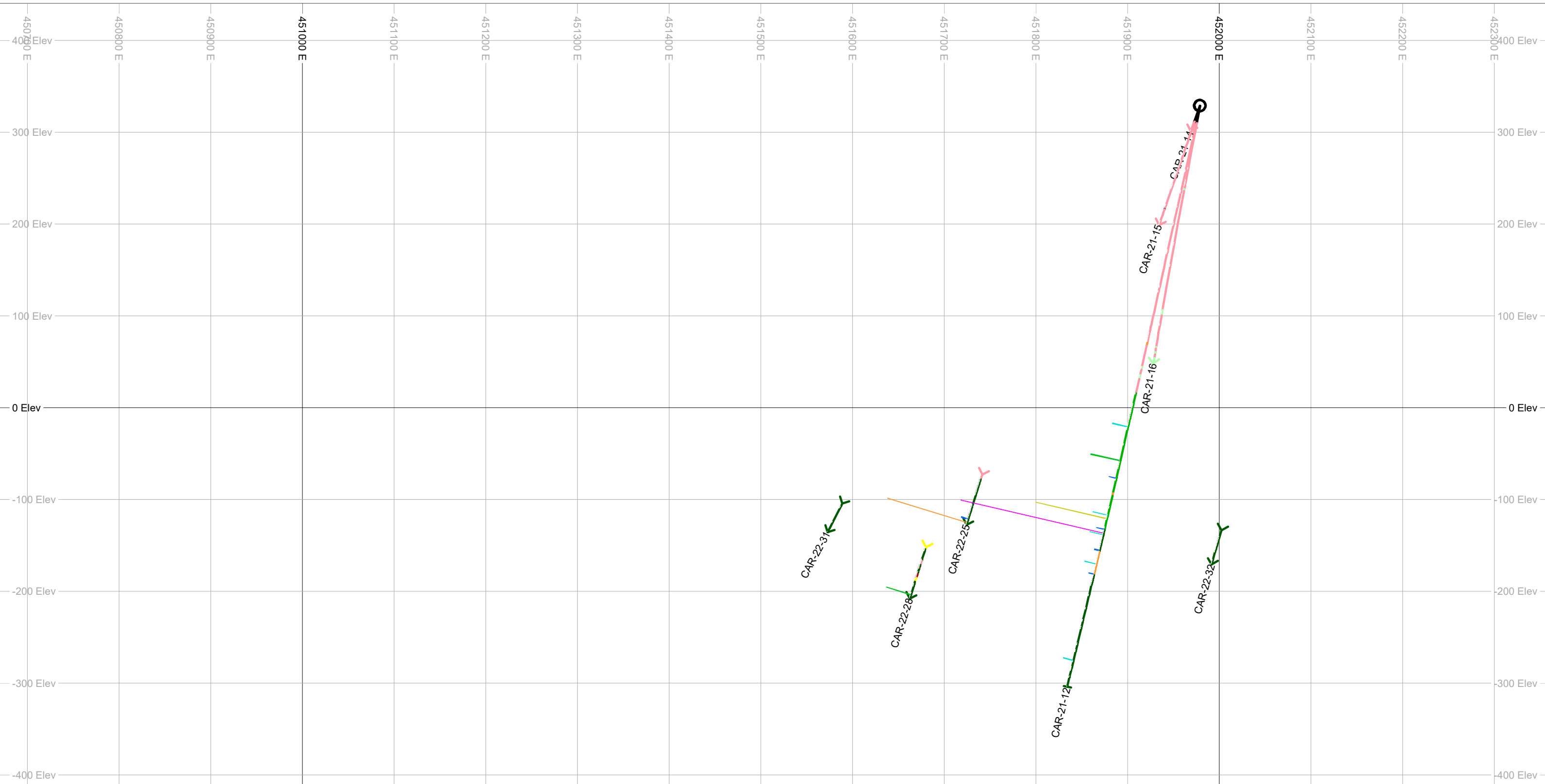
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

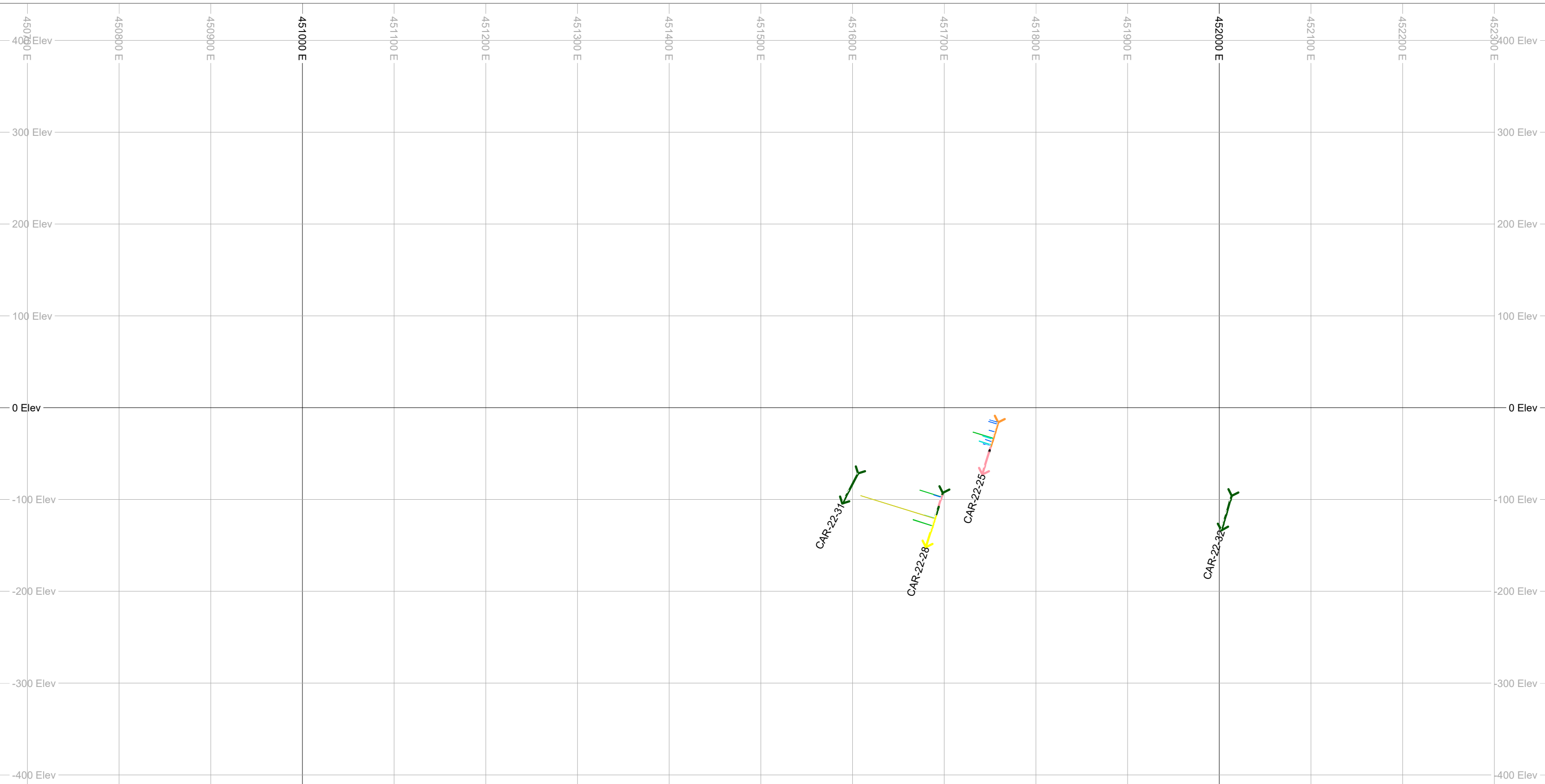
Melkior: 2021-2022 Drilling		
Section 47 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

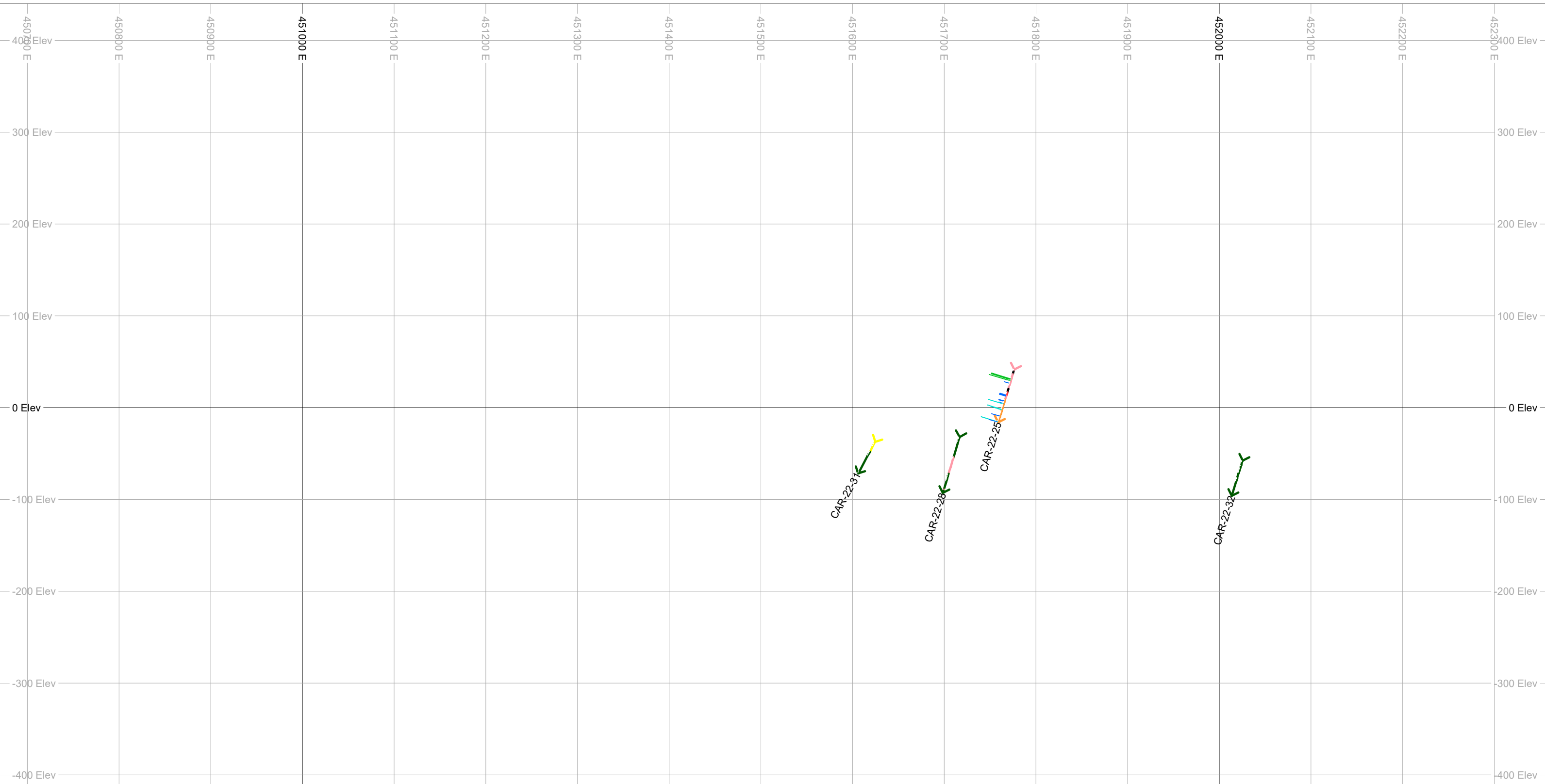
Melkior: 2021-2022 Drilling		
Section 48 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

Assays g/t
Unsampled
Trace
0.5 - 1.0 g/t
1.0 - 2.0 g/t
2.0 - 5.0 g/t
5.0 - 8.0 g/t
8.0 - 10.0 g/t
10.0 - 20.0 g/t
> 20.0 g/t

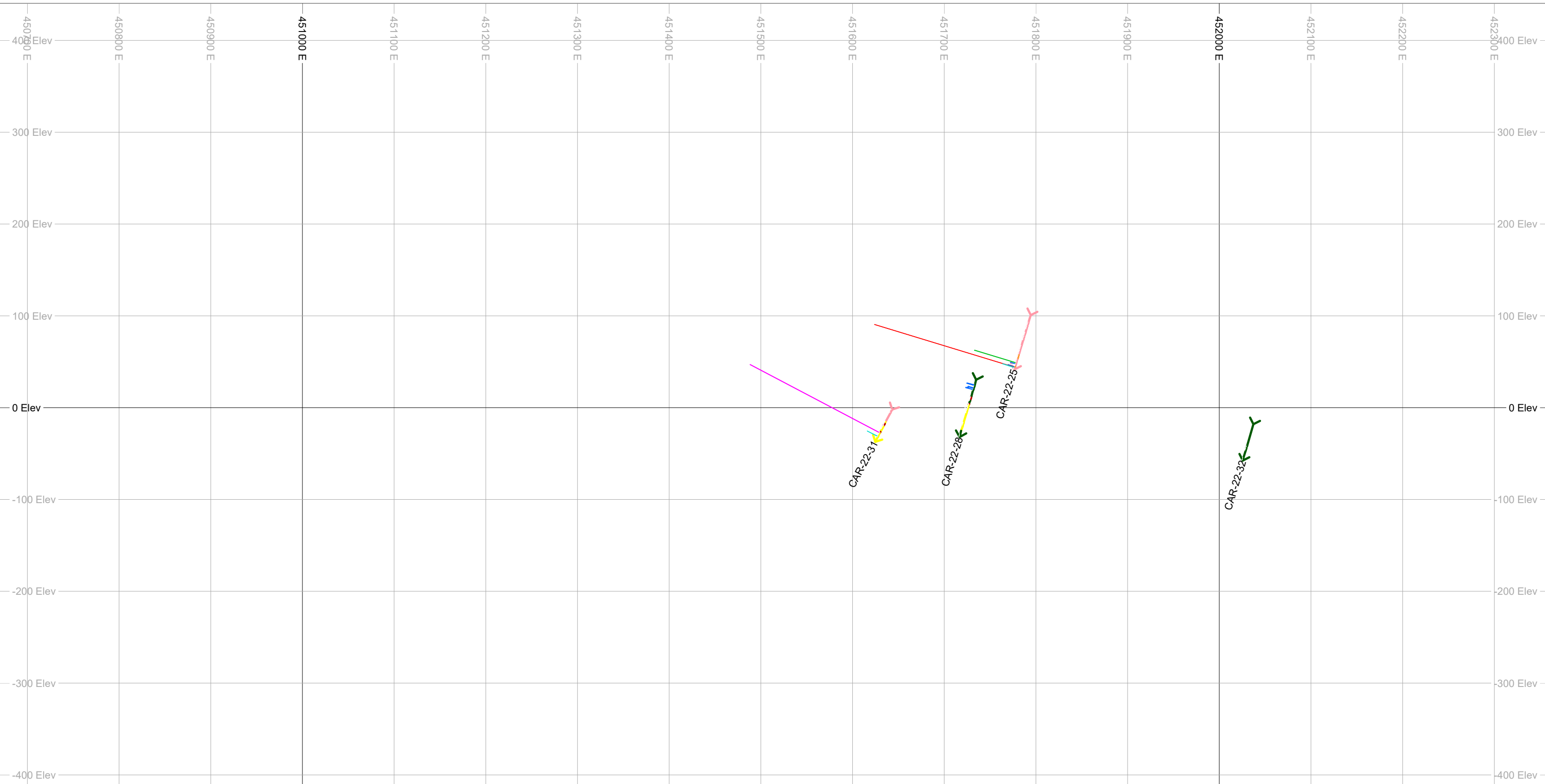
Melkior: 2021-2022 Drilling		
Section 49 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

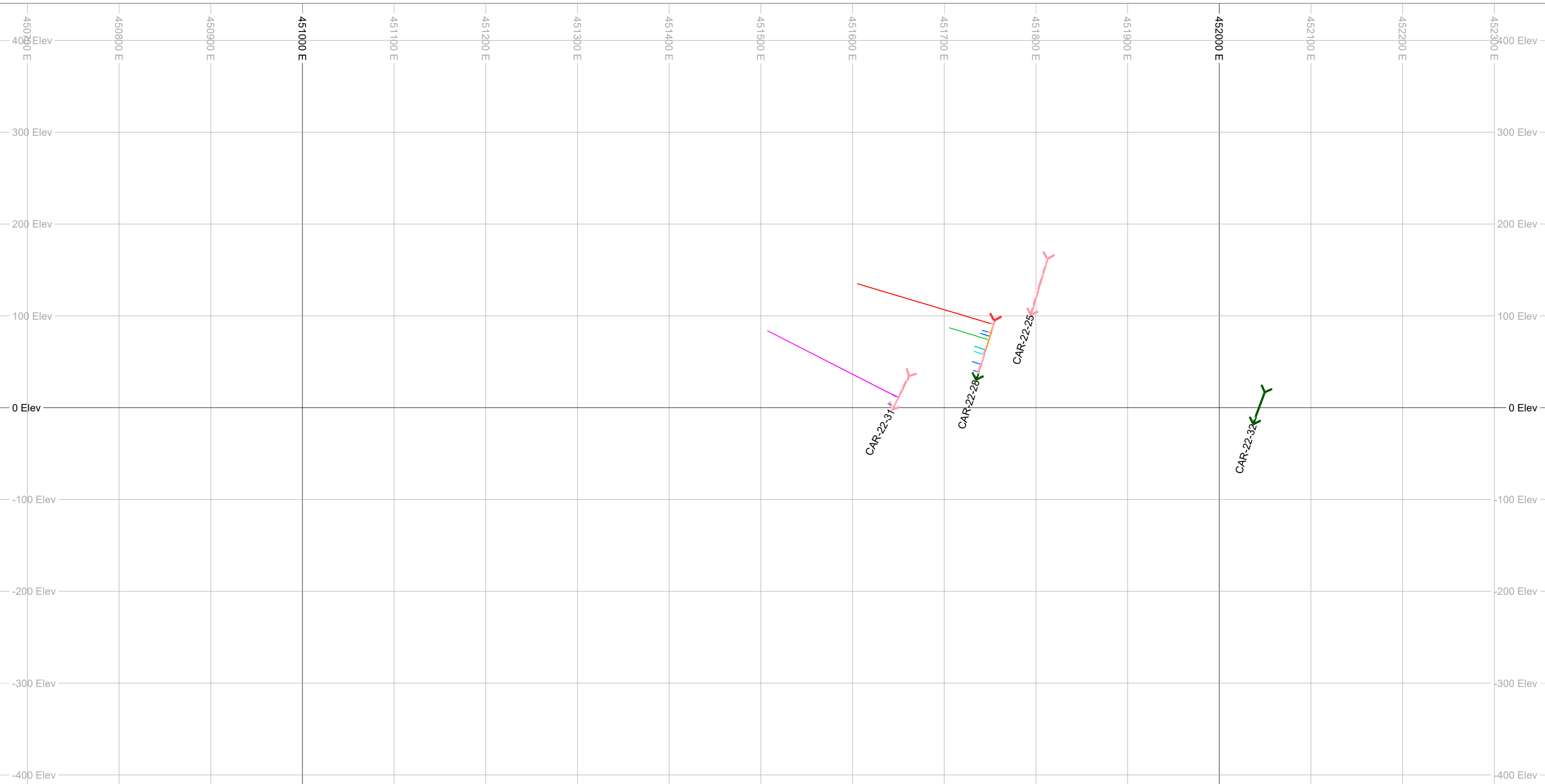
Melkior: 2021-2022 Drilling		
Section 50 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalte (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

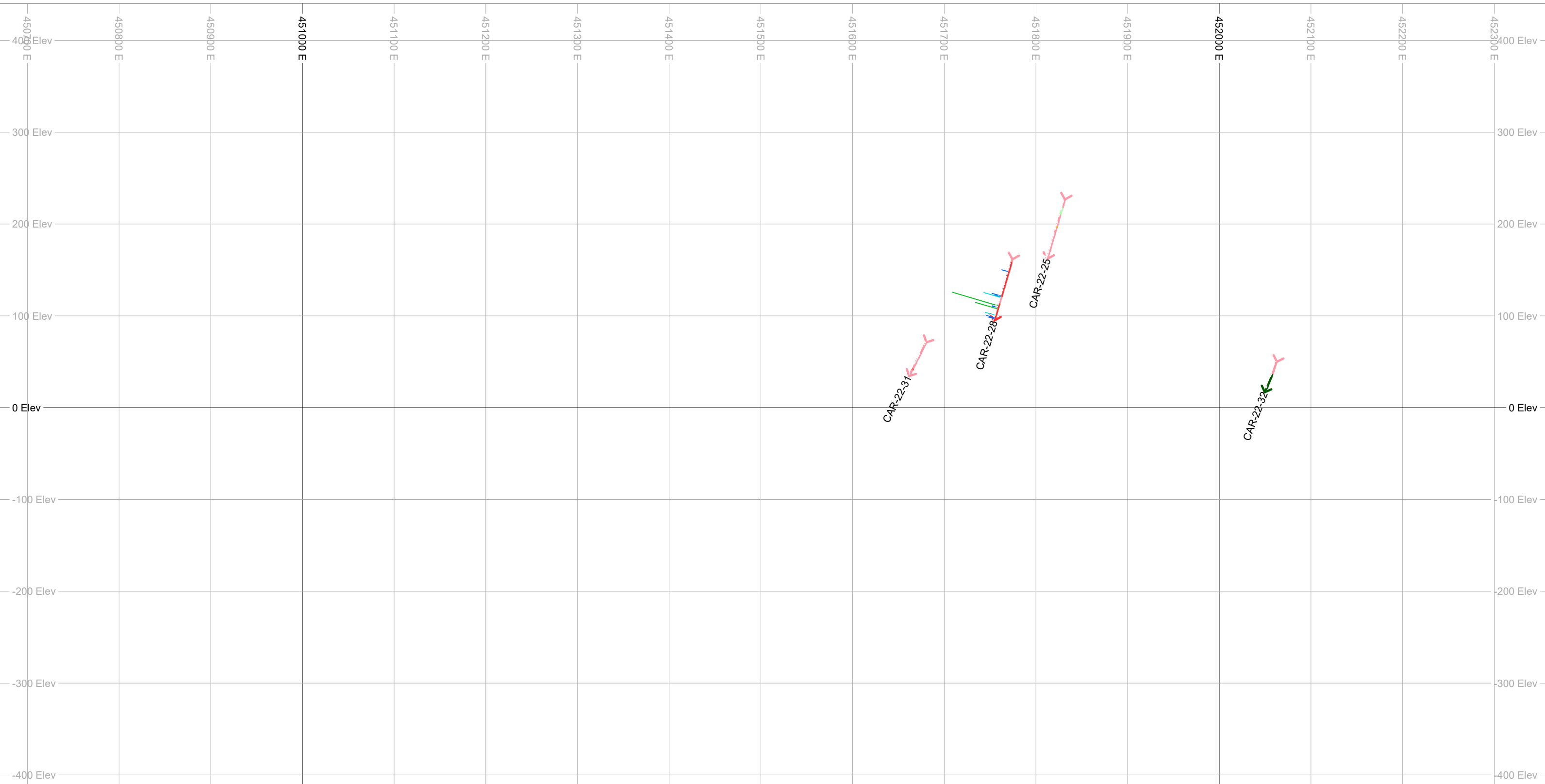
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 51 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)	> 20.0 g/t	

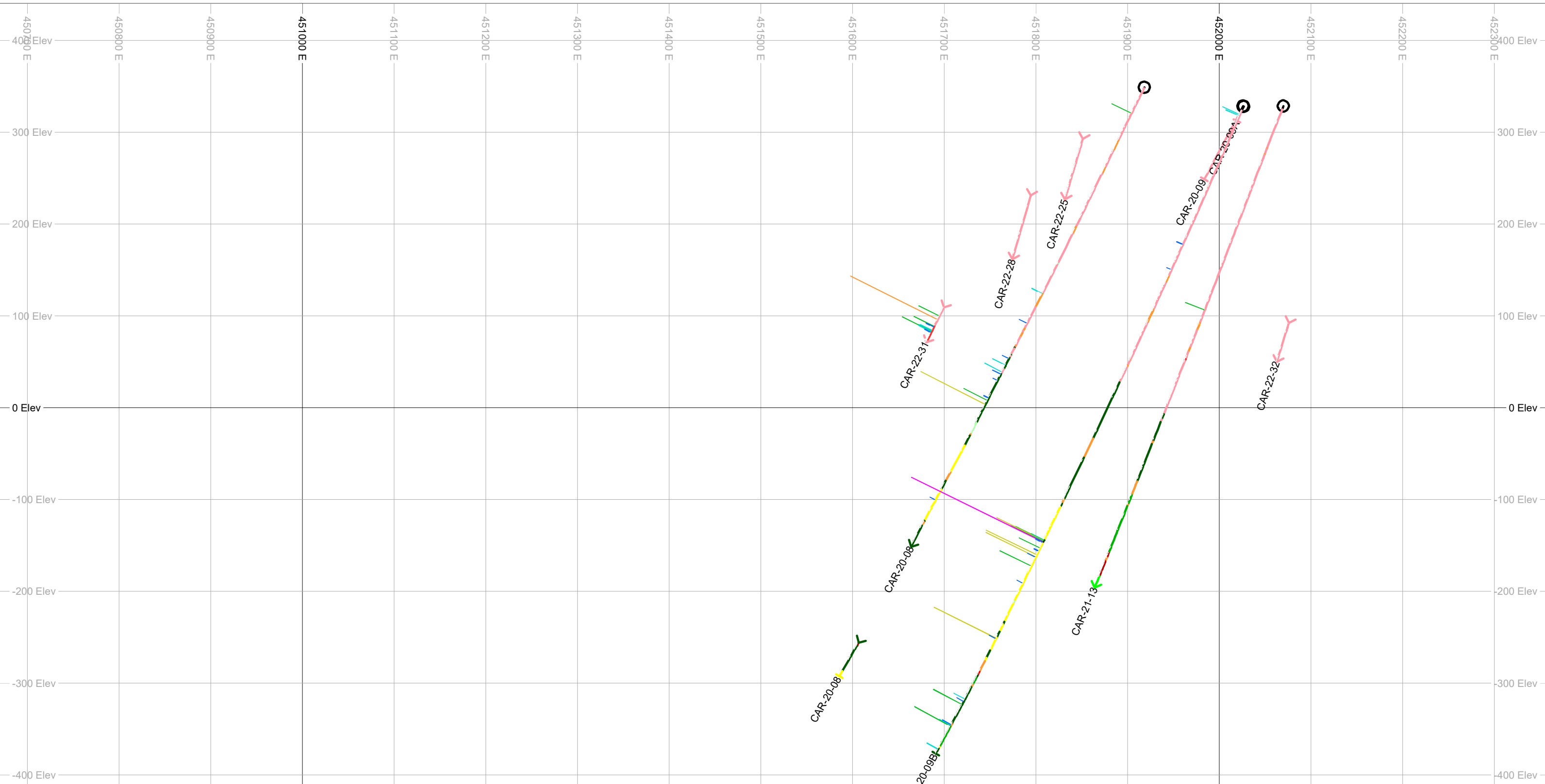
Melkior: 2021-2022 Drilling		
Section 52 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

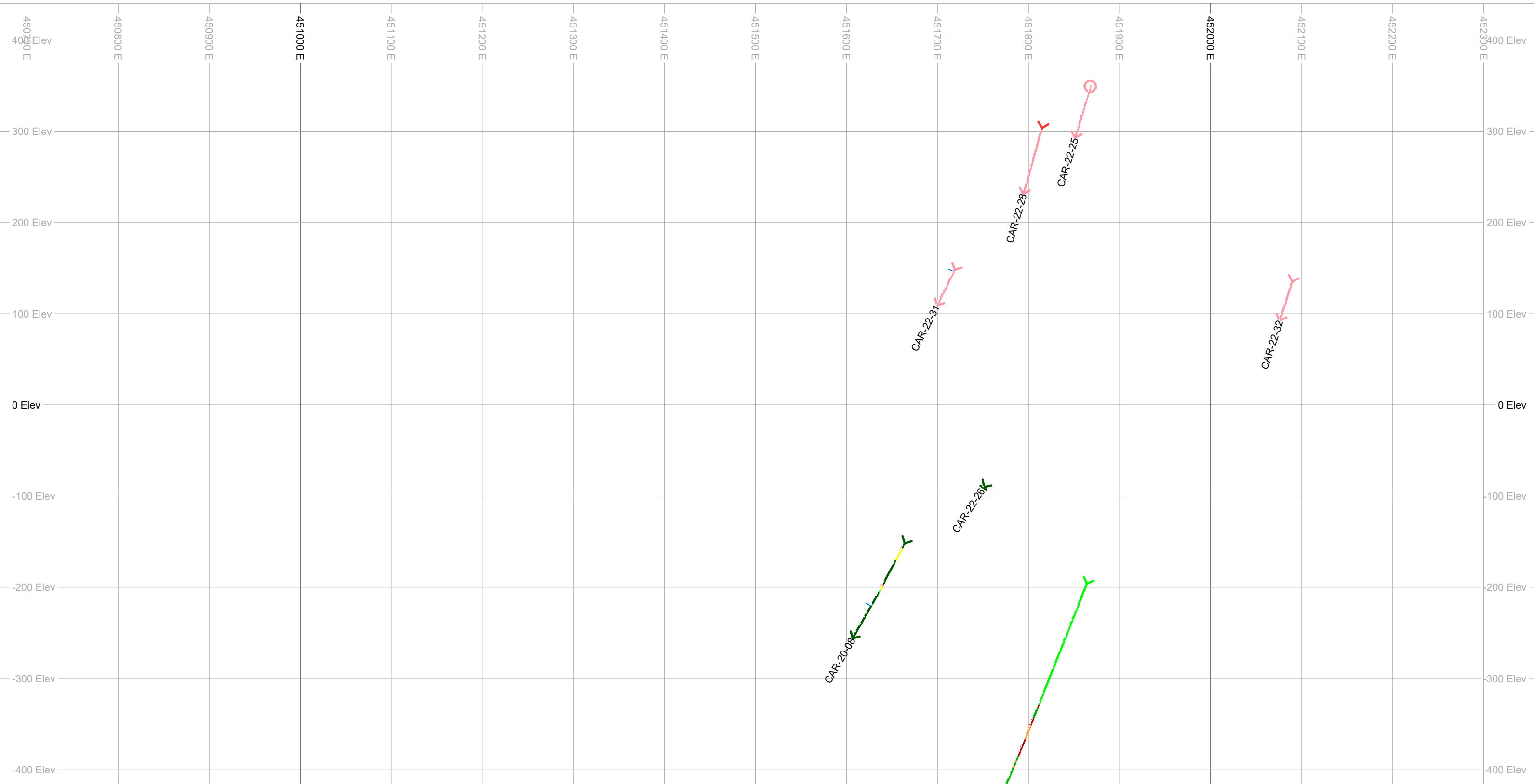
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



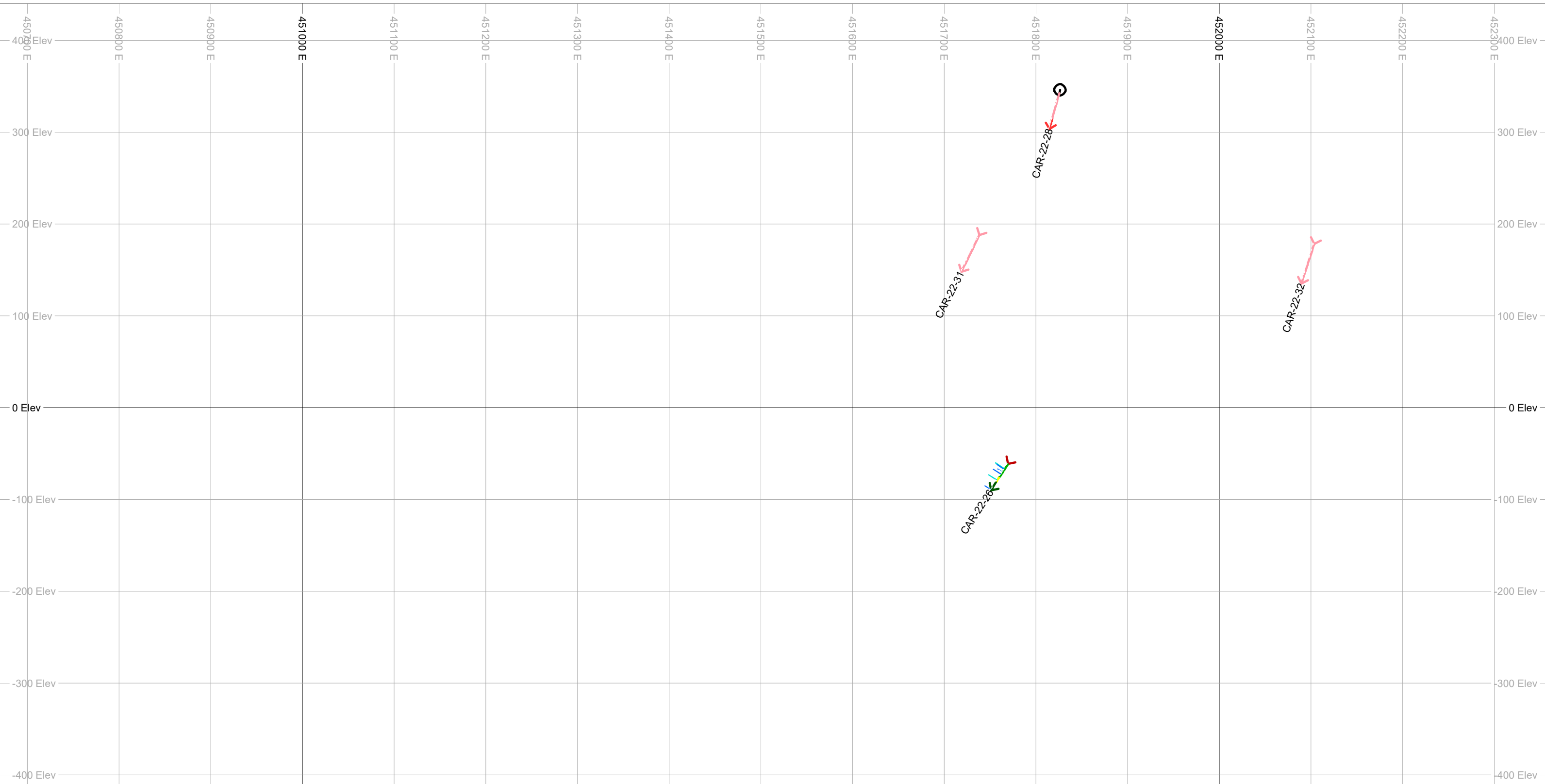
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 54 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

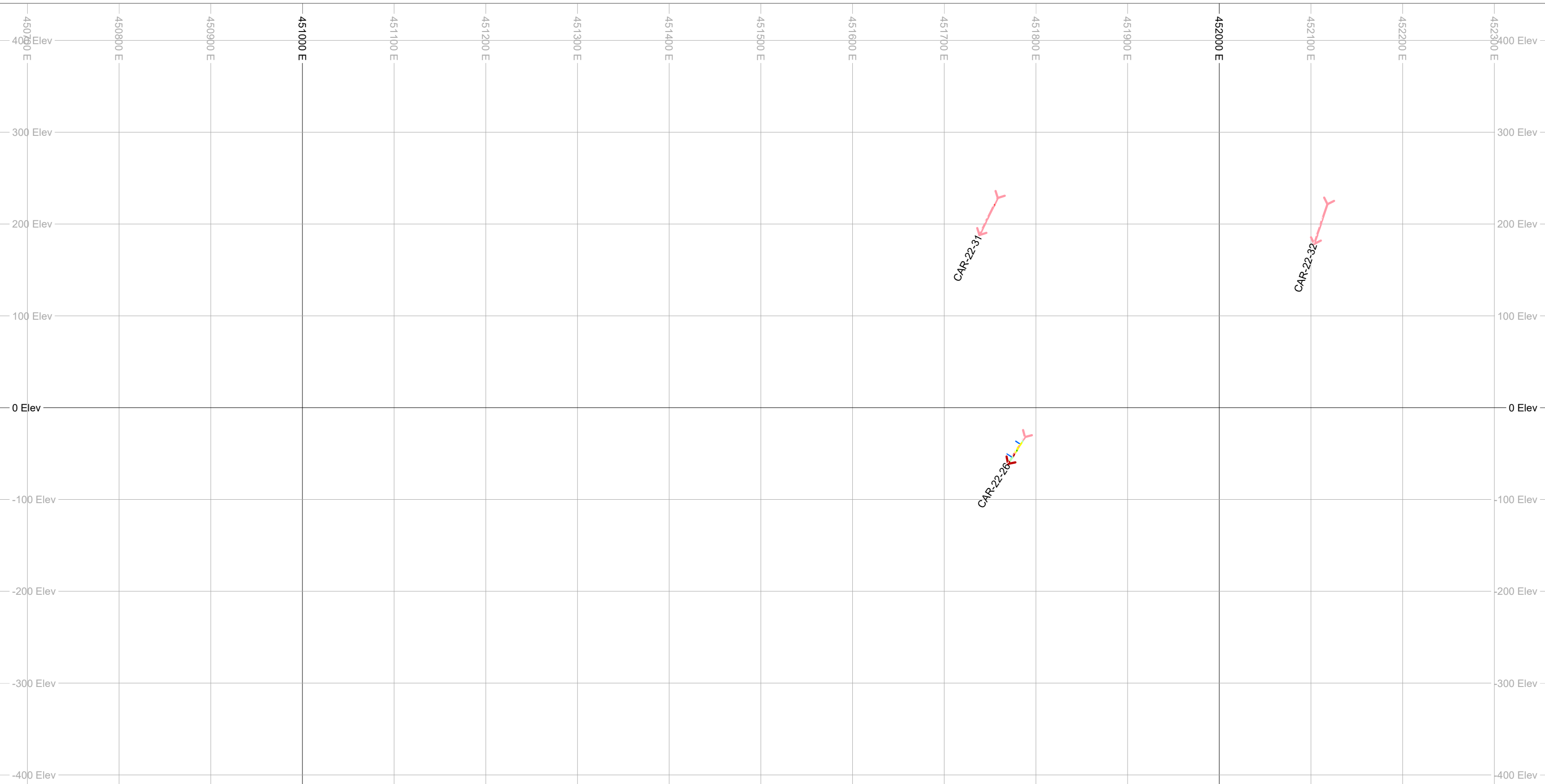
Melkior: 2021-2022 Drilling		
Section 55 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

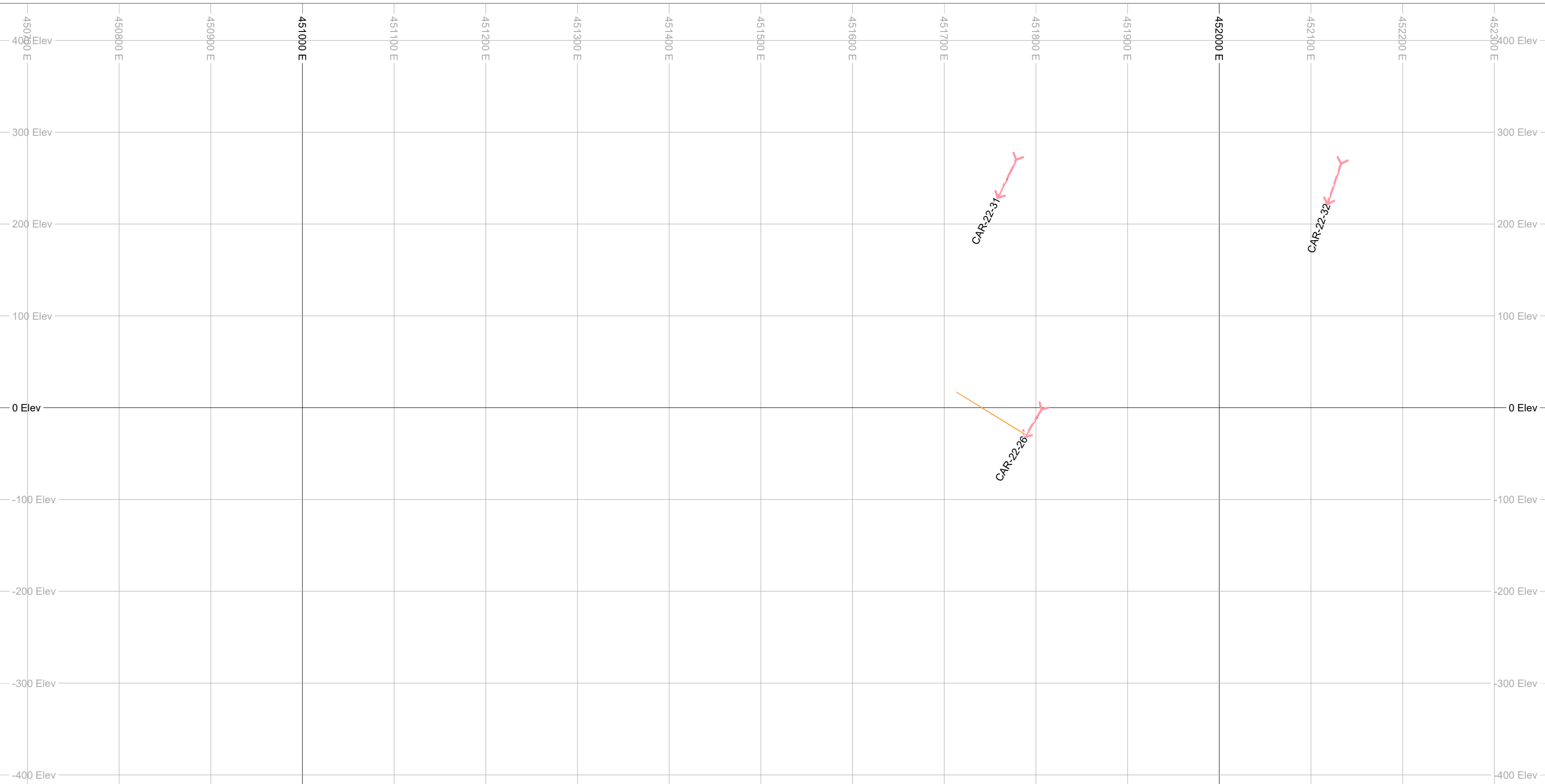
Melkior: 2021-2022 Drilling		
Section 56 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BAFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsilite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

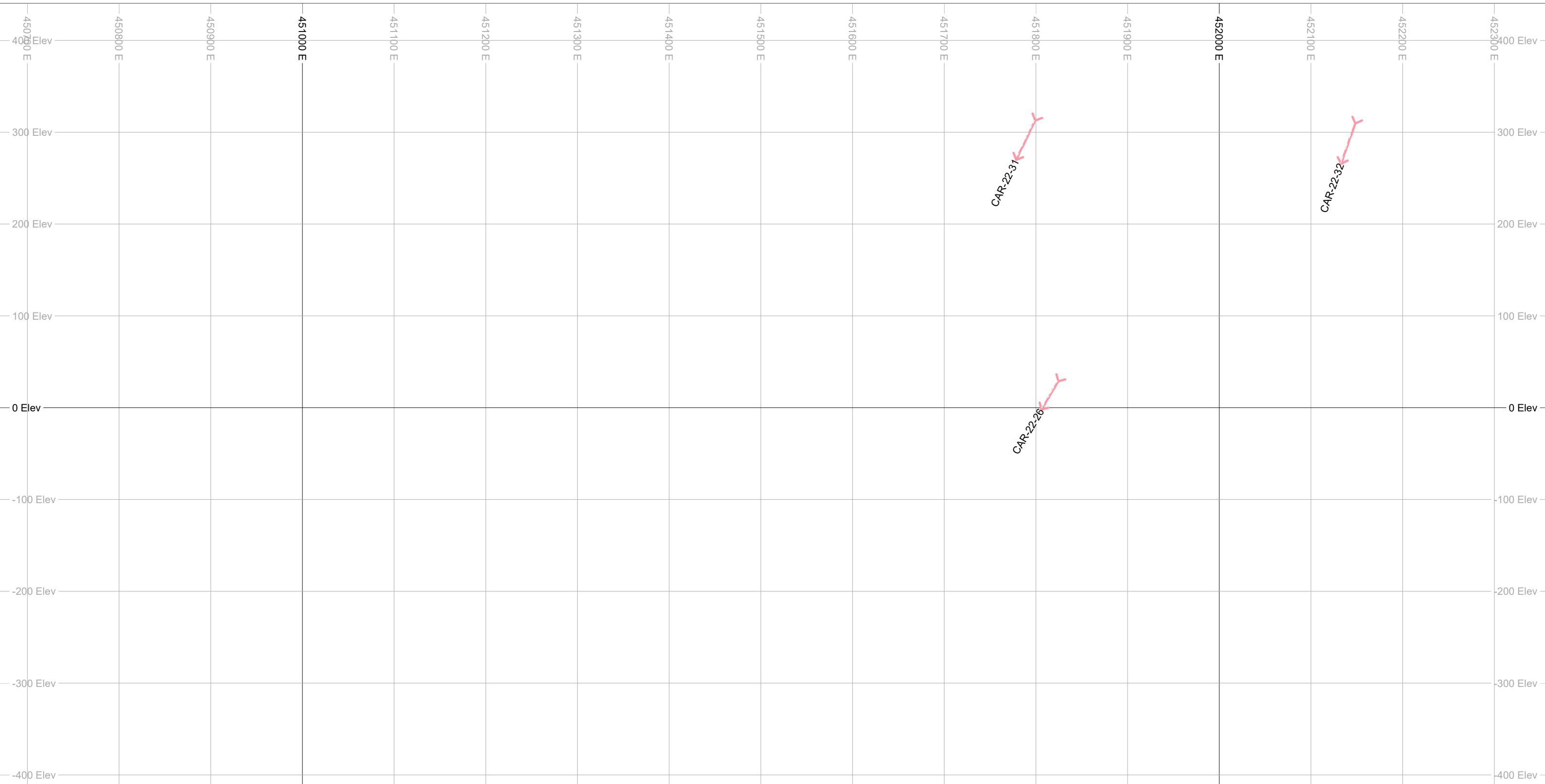
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 57 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

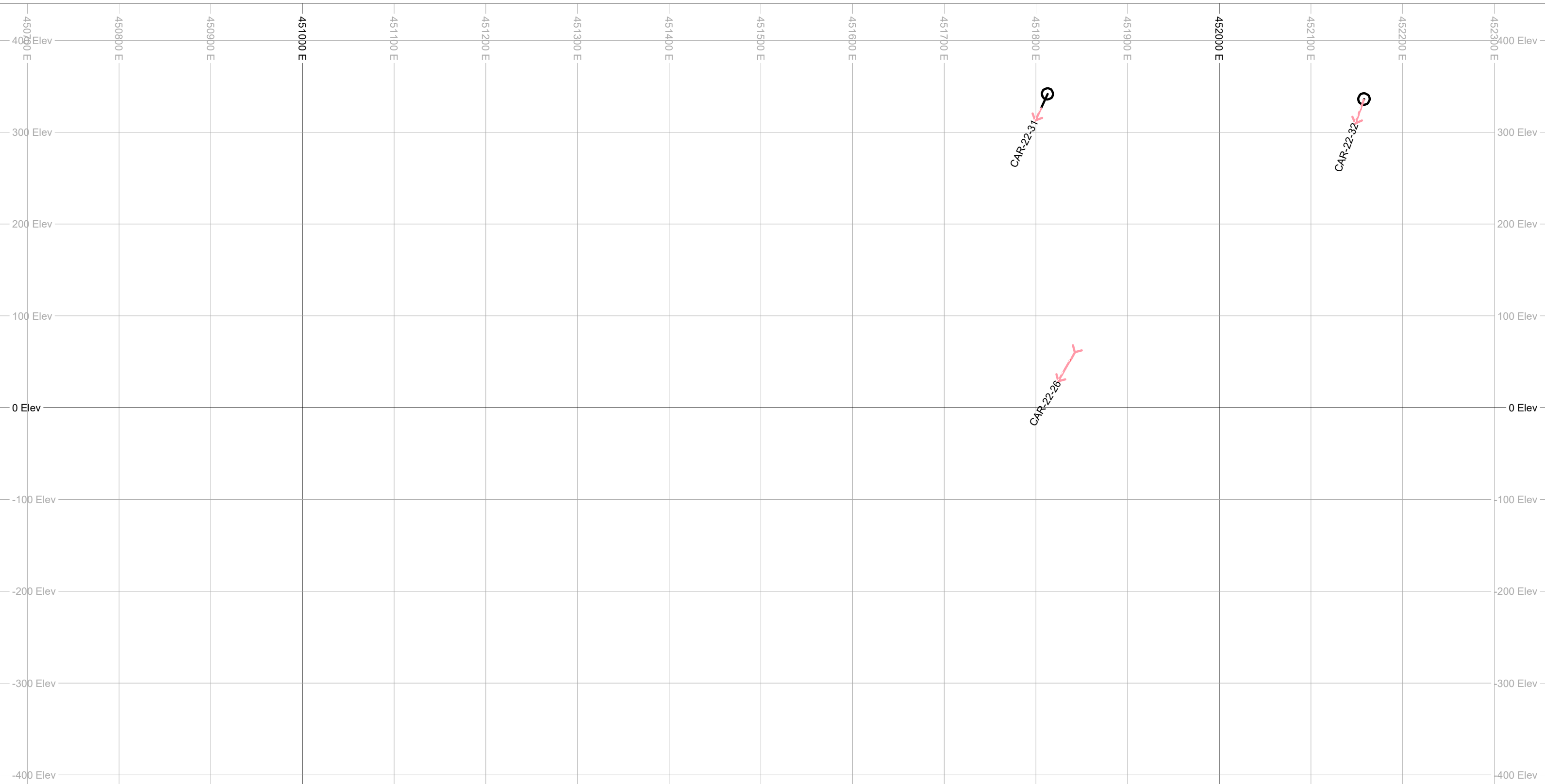
Melkior: 2021-2022 Drilling		
Section 58 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

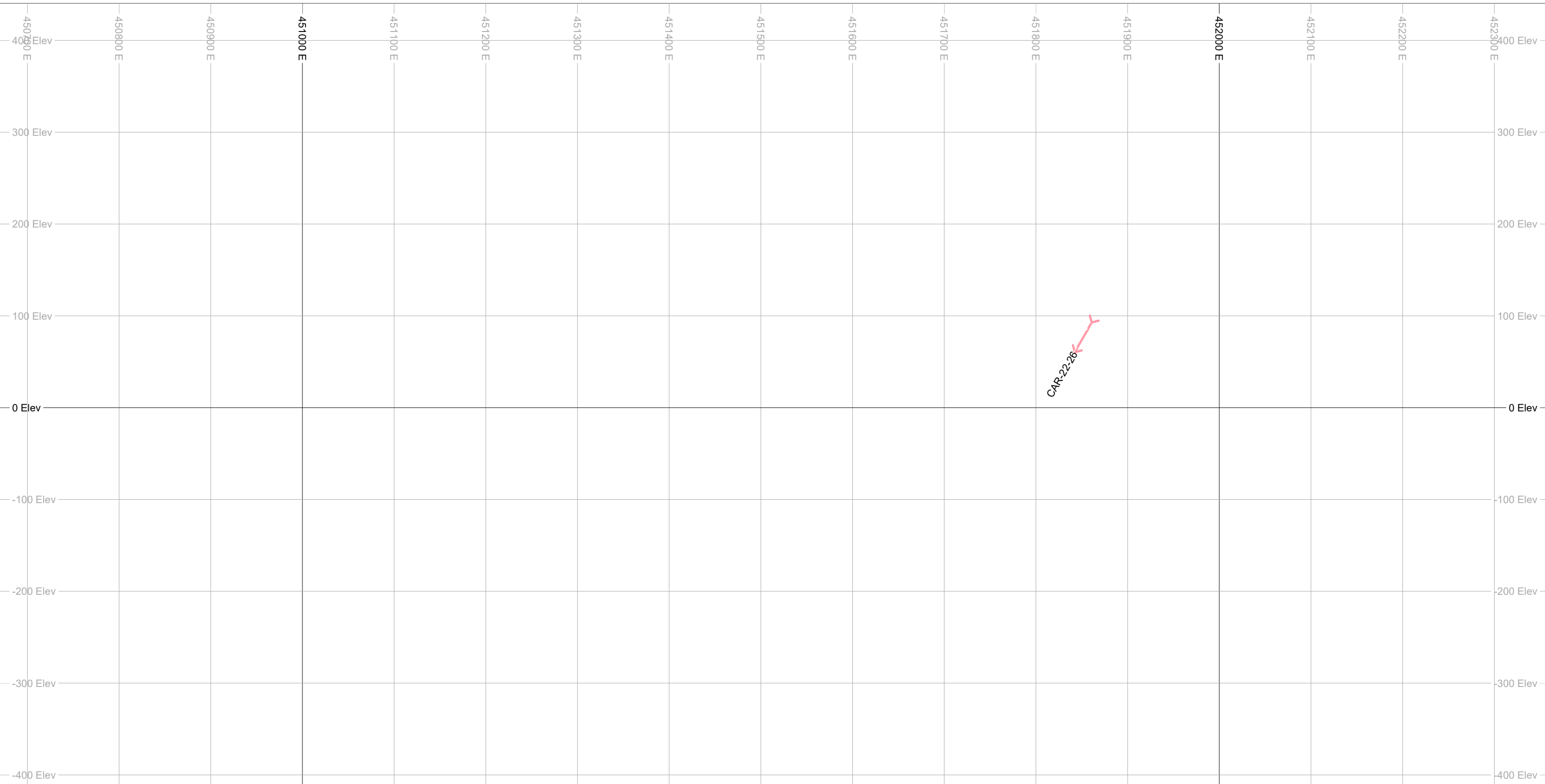
Melkior: 2021-2022 Drilling		
Section 59 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsilite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

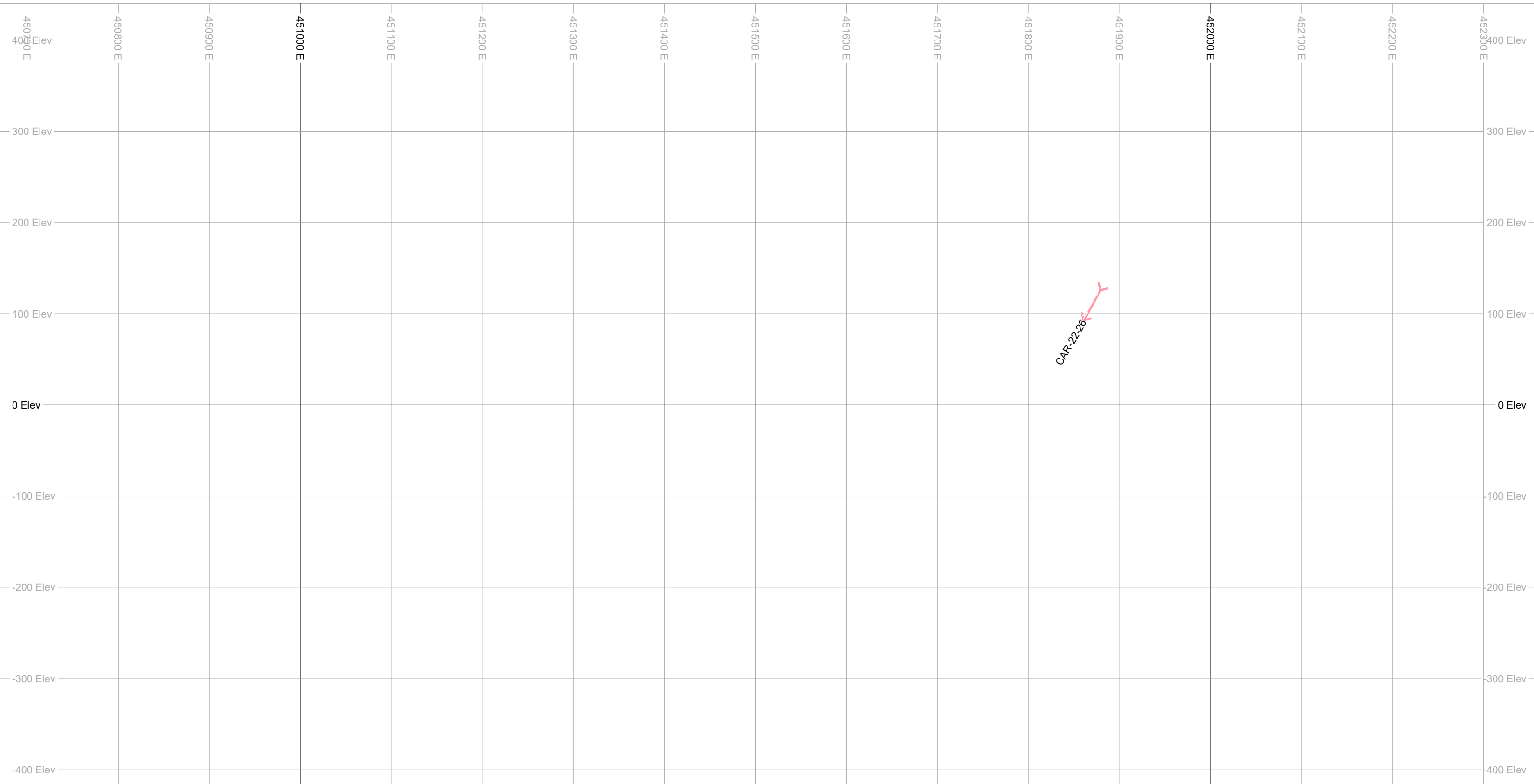
Melkior: 2021-2022 Drilling		
Section 60 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

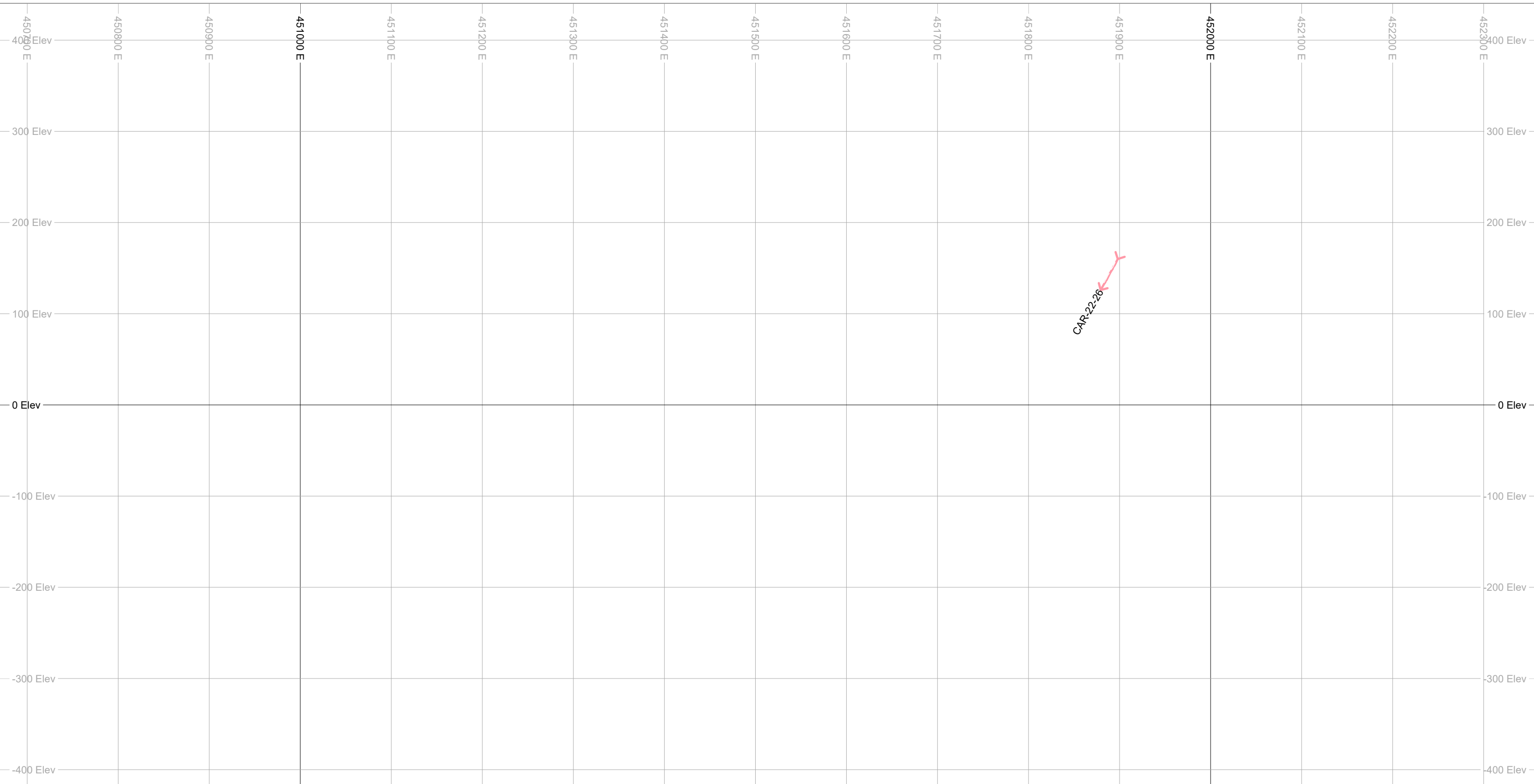
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 61 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



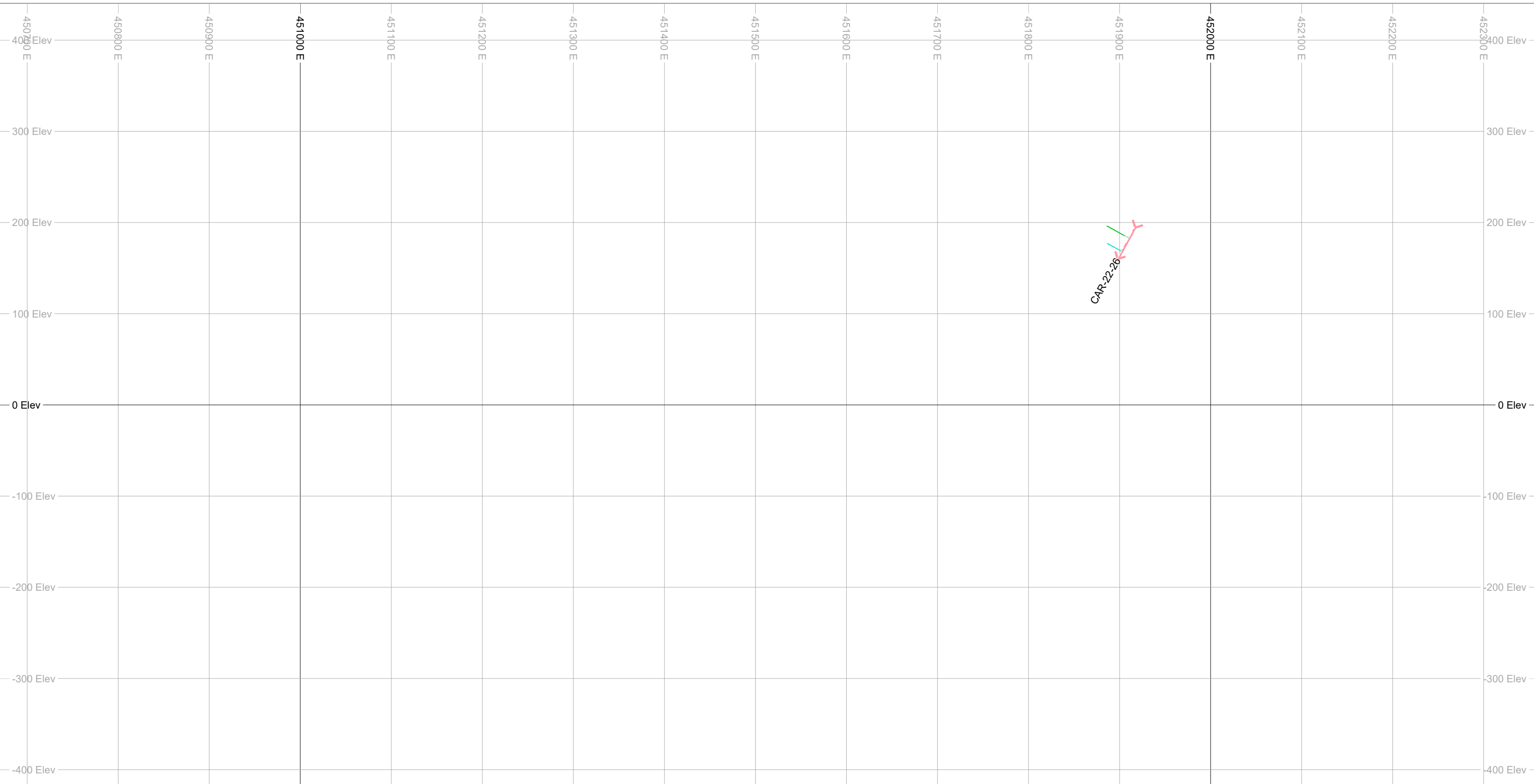
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 62 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



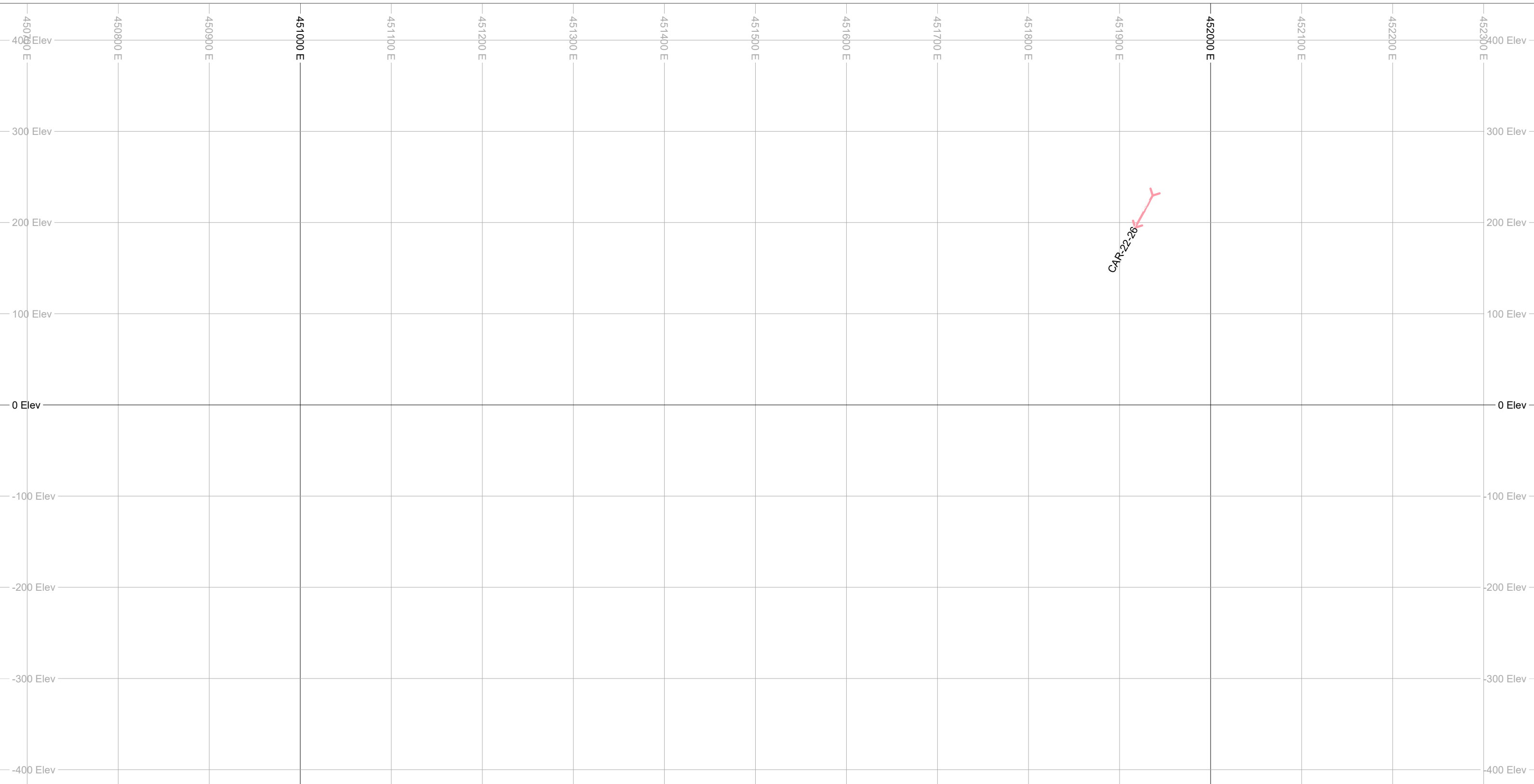
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 63 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



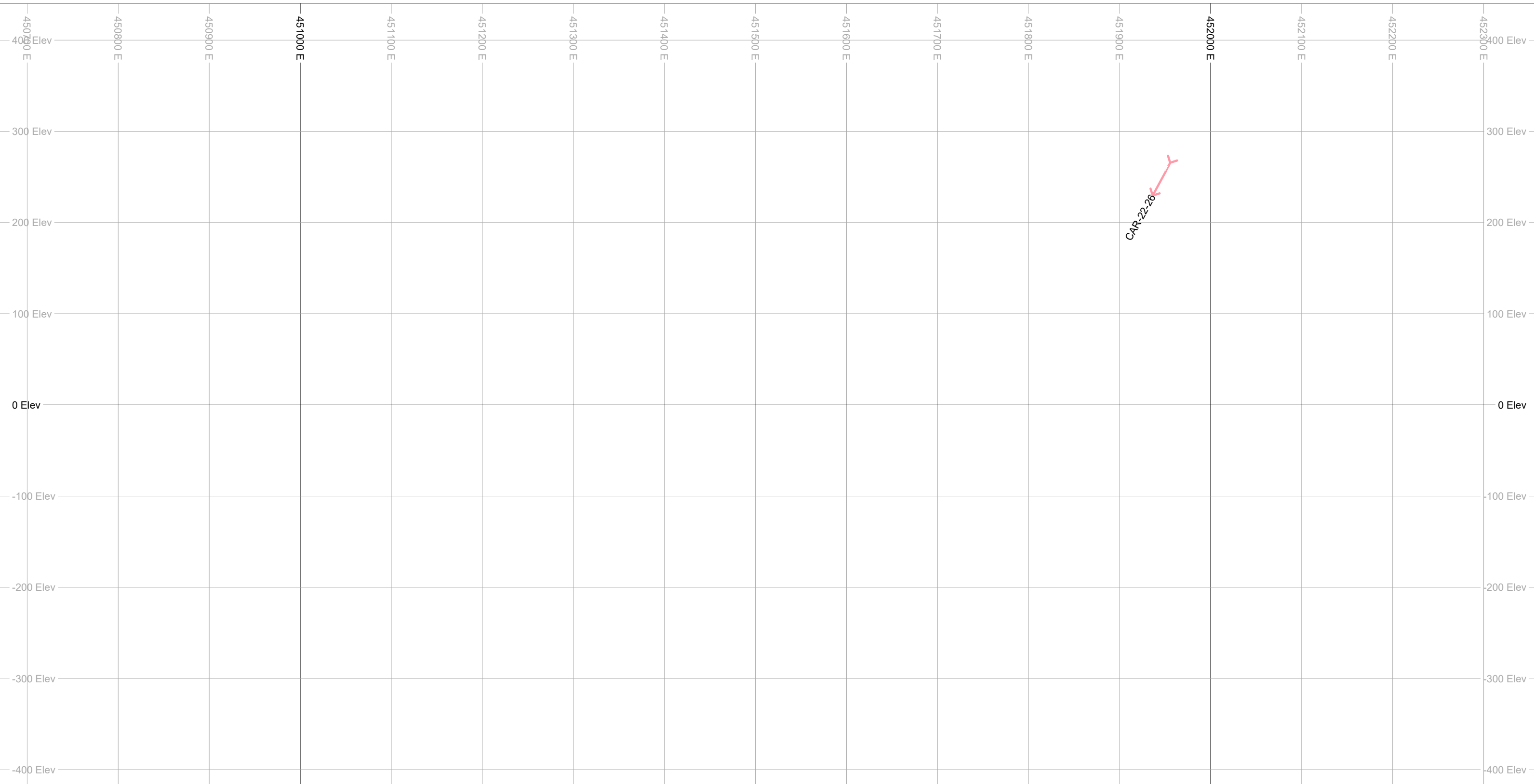
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 64 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



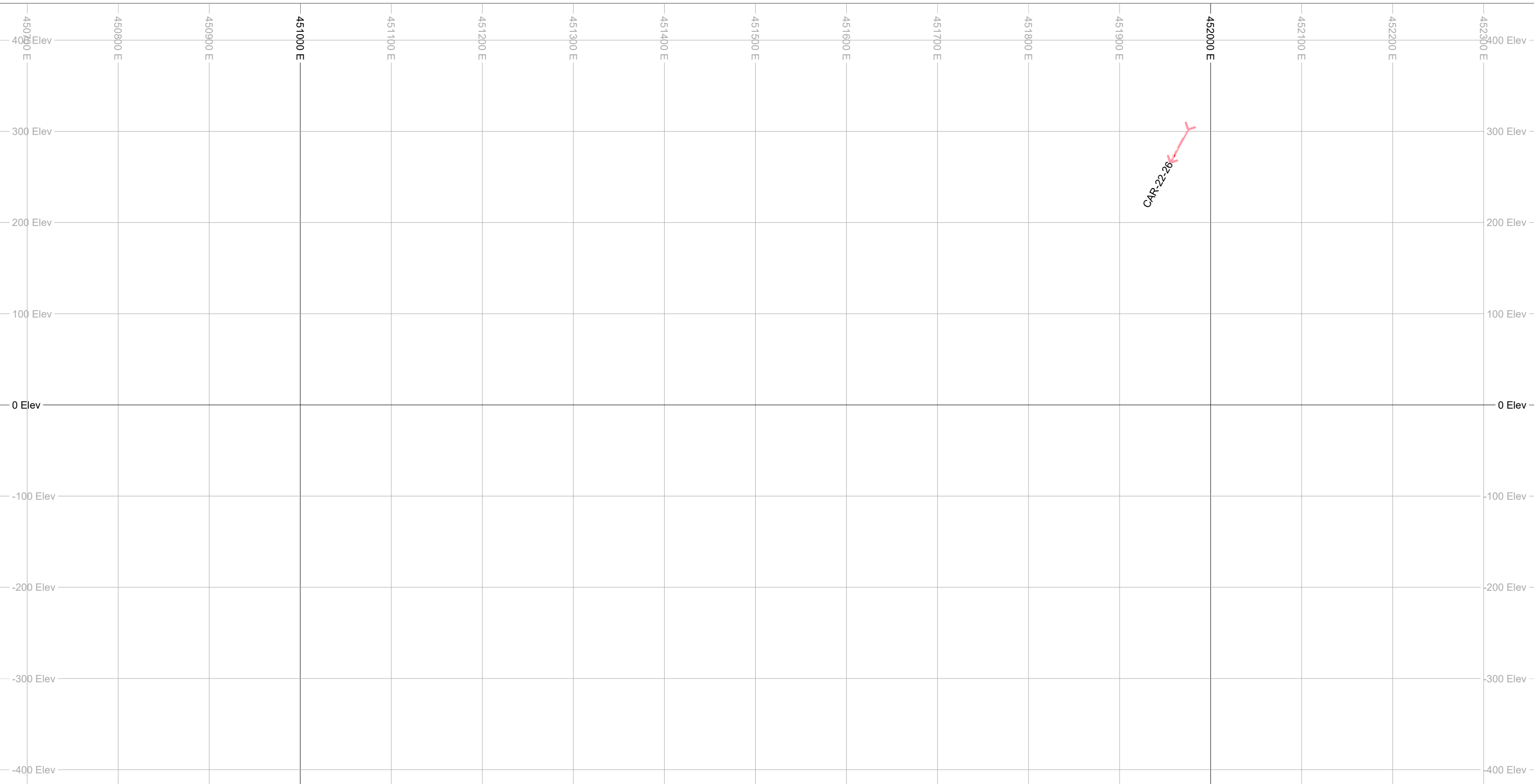
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 65 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



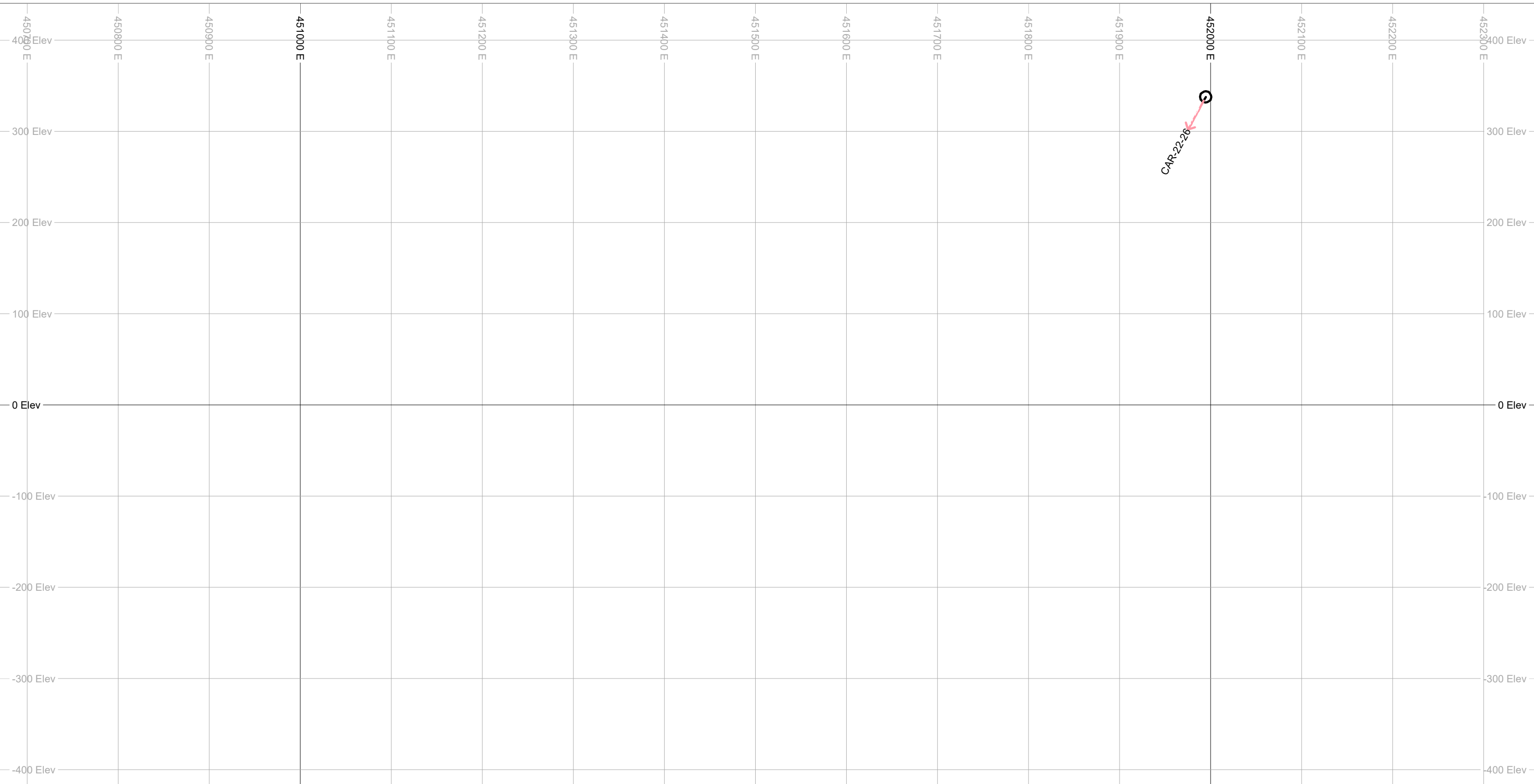
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 66 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 67 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 68 of 68		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



AGNICO EAGLE

Appendix C

Drill Hole Logs

Drill Log - CAR-22-23

Drill Log - CAR-22-24

Drill Log - CAR-22-25

Drill Log - CAR-22-26

Drill Log - CAR-22-27

Drill Log - CAR-22-28

Drill Log - CAR-22-29

Drill Log - CAR-22-30

Drill Log - CAR-22-31

Drill Log - CAR-22-32

DETAILED LOG

Hole Number: **CAR-22-23**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -54.00
Project Number: MELKIOR	North: 5358266.49	North: 35161.14	Collar Az: 240.00
Location: Carscallen Township	East: 452216.27	East: -129236.19	Length: 786.00
	Elev: 338.22	Elev: 5038.22	Start Depth: 0.00
Date Started: May 28, 2022	Collar Survey: N	Plugged: Y	Contractor: Major
Date Completed: Jun 20, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Logged by: Peter Caldbick

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	-54.00	EZ Sho	OK		60.00	238.73	-53.81	EZ Sho	OK	
111.00	239.13	-54.08	EZ Sho	OK		162.00	239.88	-54.14	EZ Sho	OK	
213.00	240.56	-53.84	EZ Sho	OK		315.00	241.52	-53.47	EZ Sho	OK	
366.00	241.96	-53.57	EZ Sho	OK		417.00	242.09	-53.42	EZ Sho	OK	
468.00	242.86	-53.39	EZ Sho	OK		519.00	242.79	-53.09	EZ Sho	OK	
576.00	243.77	-52.47	EZ Sho	OK		630.00	244.67	-52.40	EZ Sho	OK	
681.00	245.72	-52.56	EZ Sho	OK		732.00	246.87	-52.57	EZ Sho	OK	
786.00	246.26	-52.47	EZ Sho	OK							

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
0.00	32.00	OVB, MELKIOR - Overburden					
32.00	34.00	GRD_SIL, Granodiorite - Silicified (Melkior) grey to pinkish, fine to medium grained, probable boulders, mafic intruding silicified granodiorite, abundant fractures @ 40 to 60 DTCA, tr sul					
34.00	51.00	FZ, Fault Zone brown, extremely crumbled core, poor RQD, limonitic, tr sul, fractures @ 50 to 60 DTCA					
51.00	65.50	GRD_POT, Granodiorite - Potassic (Melkior) pinkish brown, potassic, blocky pitted core, glomeroporphyritic texture, tr sul					
65.50	75.00	FZ, Fault Zone extremely crumbled, blocky and fractured pitted core with fractures @ 30 to 50 DTCA, tr sul					
75.00	87.50	GRD_POT, Granodiorite - Potassic (Melkior) pinkish, potassic, glomeroporphyritic texture, pitted. more consolidated core, scattered chloritic xenoliths, fractures @ 30 to 40 DTCA, tr sul					

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
87.50	92.50	FZ, Fault Zone extremely crumbled, blocky and fractured pitted core with fractures @ 30 to 50 DTCA, tr sul					
92.50	132.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish, potassic, glomeroporphyritic texture, pitted. more consolidated core, scattered chloritic xenoliths up to 20 cm in width, fractures @ 30 to 40 DTCA, tr sul					
132.00	195.00	FZ, Fault Zone extremely crumbled, blocky and fractured pitted core with fractures @ 30 to 50 DTCA, tr sul, predominantly potassic and silicified granodiorite					
195.00	223.40	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish, creamy white, silicified, chloritic, carbonaceous, glomeroporphyritic texture, strongly fractured and blocky core, slightly potassic, pitted vugy core, tr sul, shp FW ct @ 40 DTCA					
223.40	229.00	MI, Melkior - Mafic Intrusive dark grey to black, fine grained, massive, patchy olivine throughout, contacts speckled with leucoxene, tr sul, gradational FW ct @ 60 DTCA					
229.00	236.20	FZ, Fault Zone extremely crumbled, blocky and fractured pitted core with fractures @ 30 to 50 DTCA, tr sul, predominantly potassic and silicified granodiorite					
236.20	248.50	GRD_POT, Granodiorite - Potassic (Melkior) slightly pinkish hue, potassic, silicified, chloritic, glomeroporphyritic texture, fractured, blocky core, slightly more competent and well indurated, pitted, vugy core, tr sul					
248.50	281.60	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white, slightly pinkish, predominantly silicified, weakly potassic, locally chloritic and slightly carbonaceous, glomeroporphyritic texture, slightly faulted and blocky core from 245 to 247.5 meters, speckled with sausserite, tr sul, generally competent and well indurated core, from 268.6 to 268.9 potassic and hematitic section					
281.60	284.10	GRD_POT, Granodiorite - Potassic (Melkior) pinkish hue, predominantly potassic, weakly silicified and chloritic, glomeroporphyritic texture, tr sul					
284.10	288.90	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey, predominantly chloritic and silicified, glomeroporphyritic texture, speckled with sausserite, tr sul, shp FW ct @ 35 DTCA					
288.90	298.60	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, predominantly hematitic, potassic, chloritic, diffuse hornblende porphyroblasts, speckled with sausserite, tr sul, irregular FW ct @ 60 DTCA					

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
298.60	360.20	BaM, Melkior - Basalt; fine grained; massive dark grey-green, massive, chloritic, weakly carbonaceous, fine grained, scattered diffuse granodioritic clasts and xenoliths proximal to contact notably from 304.2 to 303.2 meters, from 306.5 to 312, approx 4 to 5% disseminated and concentrated sections wit clusters of subhedral to euhedral py, strongest concentration of sulphides from 309.3 to 309.8 with approx 12% disseminated py, no vng, weakly magnetic with patchy magnetite from 321 to 336 meters, patchy diffuse hematitic and potassic clasts throughout, from 359.2 to 359.8 hematitic granodioritic xenolith with HW and FW ct' @ 70 and 40 DTCA respectively, irregular FW ct @ 80 DTCA	KL018258	305.00	306.00	1.00	0.18
			KL018259	306.00	306.50	0.50	0.43
			KL018261	306.50	307.00	0.50	0.04
			KL018262	307.00	308.00	1.00	0.02
			KL018263	308.00	308.50	0.50	0.01
			KL018264	308.50	309.00	0.50	0.04
			KL018265	309.00	309.50	0.50	0.03
			KL018266	309.50	310.00	0.50	0.01
			KL018267	310.00	311.00	1.00	0.01
			KL018268	311.00	312.00	1.00	0.01
			KL018269	357.00	358.00	1.00	0.00
			KL018271	358.00	358.50	0.50	0.01
			KL018272	358.50	359.20	0.70	0.01
			KL018273	359.20	360.20	1.00	0.03
360.20	402.60	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, potassic, speckled with white calcite flakes, glomeroporphyritic texture, homogeneous, scattered hairline qtz-calcite infilled tension gashes @ 20 to 30 DTCA, tr sul	KL018274	360.20	361.00	0.80	0.05
			KL018275	361.00	362.00	1.00	0.01
			KL018276	362.00	363.00	1.00	0.00
			KL018277	363.00	363.50	0.50	0.01
			KL018278	363.50	364.00	0.50	0.00
			KL018279	364.00	365.00	1.00	0.00
			KL018281	387.00	388.00	1.00	0.01
			KL018282	388.00	389.00	1.00	0.01
			KL018283	389.00	390.00	1.00	0.01
402.60	413.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, alternately fine to medium grained, chloritic, slightly carbonaceous, locally slightly potassic and hematitic with glomeroporphyritic texture, from 412.3 to 413.1 strongly fractured faulted core, tr sul	KL018284	405.00	406.00	1.00	0.01
			KL018285	406.00	407.00	1.00	0.00
			KL018286	407.00	408.00	1.00	0.05
			KL018287	408.00	409.00	1.00	0.02
			KL018288	409.00	410.00	1.00	0.01
			KL018289	410.00	411.00	1.00	0.00
			KL018291	411.00	412.00	1.00	0.01
			KL018292	412.00	413.30	1.30	0.01
413.30	444.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, potassic, speckled with white calcite flakes, glomeroporphyritic texture, homogeneous, scattered hairline qtz-calcite infilled tension gashes @ 20 to 30 DTCA, tr sul	KL018293	413.30	414.00	0.70	0.01
			KL018294	444.00	444.80	0.80	0.01
444.80	450.90	BaM, Melkior - Basalt; fine grained; massive dark green, fine grained, chloritic, massive, locally calcareous with brecciated patches of calcite and diffuse granodioritic xenoliths, weakly foliated with foliation @ 40 DTCA, scattered jasperoidal clasts, approx 0.5 to 1% disseminated py, shp FW ct @ 80 DTCA	KL018295	444.80	445.50	0.70	0.01
			KL018296	445.50	446.00	0.50	0.96
			KL018297	446.00	447.00	1.00	0.01
			KL018298	447.00	448.00	1.00	0.01
			KL018299	448.00	449.00	1.00	0.00
			KL018301	449.00	450.00	1.00	0.01
			KL018302	450.00	450.90	0.90	0.02

DETAILED LOG

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
450.90	461.10	GRD_POT, Granodiorite - Potassic (Melkior) medium grained, pinkish hue, potassic, weakly hematitic, mottled with white calcitic flakes, glomeroporphyritic texture, tr sul, shp FW ct @ 70 DTCA	KL018303	450.90	452.00	1.10	0.00
			KL018304	452.00	453.00	1.00	0.00
			KL018305	460.00	461.10	1.10	0.00
461.10	469.40	BaM, Melkior - Basalt; fine grained; massive dark green, fine grained, chloritic, slightly carbonaceous, abundant qtz-calcite and qtz-albite stringers and veinlets varying in orientation from 40 to 70 DTCA, approx 1 to 2% finely disseminated py, shp FW ct @ 40 DTCA	KL018306	461.10	462.00	0.90	0.01
			KL018307	462.00	463.00	1.00	0.00
			KL018308	463.00	464.00	1.00	0.01
			KL018309	464.00	465.00	1.00	0.18
			KL018311	465.00	466.00	1.00	0.04
			KL018312	466.00	467.00	1.00	0.01
			KL018313	467.00	468.00	1.00	0.01
			KL018314	468.00	468.50	0.50	0.00
			KL018315	468.50	469.40	0.90	0.04
469.40	546.70	GRD_POT, Granodiorite - Potassic (Melkior) medium grained, pinkish hue, potassic, weakly hematitic, mottled with white calcitic flakes, glomeroporphyritic texture, tr sul, shp FW ct @ 50 DTCA, @ 513.0 neters 6 cm pinkish green hematitic and sericitic feldspar vnt @ 60 DTCA with tr sul, from 501 to 505 slightly more hematitic, medium grained and carbonaceous, approx 0.5 to 1% disseminated py, from 512 to 522, pinkish, hematitic, interstitial white calcite, approx 0.5 to 1% finely disseminated py	KL018316	469.40	470.00	0.60	0.00
			KL018317	470.00	471.00	1.00	0.01
			KL018318	471.00	472.00	1.00	0.01
			KL018319	501.00	502.00	1.00	0.01
			KL018321	502.00	503.00	1.00	0.00
			KL018322	503.00	504.00	1.00	0.00
			KL018323	504.00	505.00	1.00	0.00
			KL018324	512.00	513.00	1.00	0.06
			KL018325	513.00	514.00	1.00	0.03
			KL018326	514.00	515.00	1.00	0.05
			KL018327	515.00	516.00	1.00	0.05
			KL018328	516.00	517.00	1.00	0.02
			KL018329	517.00	518.00	1.00	0.02
			KL018331	518.00	519.00	1.00	0.07
			KL018332	519.00	520.00	1.00	0.02
			KL018333	520.00	521.00	1.00	0.02
			KL018334	521.00	522.00	1.00	0.02
546.70	578.70	BaFBx, Melkior - Basalt Flow Breccia dark green, fine grained, chloritic, locally carbonaceous, slightly flowy sheared texture, localized brecciated hyaloclastite, locally epidotitic alteration, abundant qtz-calcite infilled tension gashes @ 40 to 70 DTCA, from 552 to 553.5 ladder like arrangement of qtz-calcite infilled tension gashes @ 60 to 70 DTCA, from 555.3 to 555.6 30 cm granodioritic dike @ 40 DTCA, from 567.6 to 568.2 pink potassic granodioritic dike @ 50 DTCA, approx 1 to 2% disseminated py throughout	KL018335	552.00	553.00	1.00	0.02
			KL018336	553.00	554.00	1.00	0.01
			KL018337	554.00	555.00	1.00	0.01
			KL018338	555.00	556.00	1.00	0.00
			KL018339	556.00	557.00	1.00	0.00
			KL018341	557.00	558.00	1.00	0.01
			KL018342	575.00	576.00	1.00	0.01
			KL018343	576.00	576.50	0.50	0.05
			KL018344	576.50	577.00	0.50	0.01
			KL018345	577.00	578.00	1.00	0.01
			KL018346	578.00	579.00	1.00	0.01
578.70	582.00	FZ, Fault Zone fractured jointed core with low RQD of 1.6, fractures parallel to CA, approx 1 to 2% disseminated py	KL018347	579.00	580.00	1.00	0.01
			KL018348	580.00	581.00	1.00	0.01
			KL018349	581.00	582.00	1.00	0.01

DETAILED LOGHole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
582.00	586.80	BaFBx, Melkior - Basalt Flow Breccia dark green, fine grained, chloritic, locally carbonaceous, slightly flowy sheared texture, localized brecciated hyaloclastite, locally epidotitic alteration, abundant qtz-calite infilled tension gashes @ 30 and 70 DTCA, approx 2 to 3% blebby and disseminated py	KL018351	582.00	583.00	1.00	0.01
			KL018352	583.00	584.00	1.00	0.01
			KL018353	584.00	585.00	1.00	0.02
			KL018354	585.00	586.00	1.00	0.01
			KL018355	586.00	586.80	0.80	0.02
586.80	588.16	GAB, Gabbro fine to medium grained, massive, chloritic with interstitial plagioclase and pyroxenes, @ 587.7 localized blebby qtz within epidotitic alteration halo, approx 1 to 2% disseminated and blebby py localized @ qtz blebs, shp HW and Fw ct' @ 40 and 80 DTCA respectively	KL018356	586.80	587.50	0.70	0.02
			KL018357	587.50	588.16	0.66	0.02

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
588.16	678.00	BaFBx, Melkior - Basalt Flow Breccia dark green, fine grained, chloritic, locally carbonaceous, slightly flowy sheared texture, localized brecciated hyaloclastite, locally epidotitic alteration, @ 576.0 bleb of quartz with patchy cpy and sph, from 588.16 to 590.0 mineralized zone with 2 sulphidic vn' possessing 35 to 40% py @ 70 DTCA @ 588.86 and 589.0 meters, scattered 5 cm carbonate vnt' @ 70 DTCA @ 588.5, 588.7 and 588.9 meters, moderately foliated slightly sheared texture with foliation @ 70 DTCA, @ 593 10 cm pink feldspathic vn @ 60 DTCA rimmed with 2 cm semi-massive band of py localized @ vn HW ct, from 596 to 596.3 patchy feldspathic alteration with 8 to 10% clusters of subhedral py, from 609 to 628 series of low angle qtz-calcite vn' @ 20 to 30 DTCA, approx 2 to 3% clusters of subhedral py occurring within low angle pillow selvages, from 636 to 640.5 slightly sheared with foliation @ 50 DTCA, scattered carbonate vnt' para to foliation, approx 2 to 3% scattered blebby py, from 645 to 647.5 shear zone with abundant carbonate vnt' and sts parallel to foliation @ 50 DTCA, approx 4 to 5% disseminated and blebby py, @ 650.9 10 cm white qtz-carbonate vn @ 40 DTCA with 1 to 2% disseminated py throughout wallrock, from 651 to 660, localized brecciated hyaloclastite, scattered qtz-calcite in filled tension gashes varying in orientation from 40 to 80 DTCA, approx 2 to 3% disseminated and blebby py notably @ 655.5 meters, from 666 to 666.4 approx 5 to 6% disseminated and subhedral py localized along ct' of 4 cm carbonate vnt @ 60 DTCA @ 666.2 meters, @ 677.8 meters 3 cm carbonate vnt @ 40 DTCA with approx 10 to 12% finely disseminated py, from 681.5 to 684.5 shear zone with abundant qtz-carbonate vnt' parallel to foliation @ 40 DTCA, approx 2 to 3% disseminated py, @ 685.6 6 cm qtz vn @ 30 DTCA with 3 to 4% patchy and blebby py, from 687 to 720.2 brecciated, patchy epidotitic alteration, localized brecciated hyaloclastite, scattered qtz, @ 697.3 3 cm qtz vnt with patchy hematitic alteration @ 60 DTCA, approx 2 to 3% disseminated and blebby py throughout unit, shp FW ct @ 35 DTCA, from 713 to 714 black magnetite rich iron formation, strongly magnetic with 6 to 7% clusters of subhedral py	KL018358	588.16	588.60	0.44	2.00
			KL018359	588.60	589.10	0.50	3.92
			KL018361	589.10	589.60	0.50	3.41
			KL018362	589.60	590.20	0.60	1.26
			KL018363	590.20	591.00	0.80	0.50
			KL018364	591.00	592.00	1.00	0.02
			KL018365	592.00	592.50	0.50	0.03
			KL018366	592.50	593.00	0.50	0.33
			KL018367	593.00	593.50	0.50	0.61
			KL018368	593.50	594.00	0.50	0.04
			KL018369	594.00	594.50	0.50	0.01
			KL018371	594.50	595.00	0.50	0.06
			KL018372	595.00	595.50	0.50	0.02
			KL018373	595.50	596.00	0.50	0.02
			KL018374	596.00	596.50	0.50	3.59
			KL018375	596.50	597.00	0.50	0.01
			KL018376	597.00	598.00	1.00	0.01
			KL018377	598.00	599.00	1.00	0.01
			KL018378	599.00	599.50	0.50	0.05
			KL018379	599.50	600.00	0.50	0.02
			KL018381	609.00	610.00	1.00	0.01
			KL018382	610.00	611.00	1.00	0.00
			KL018383	611.00	612.00	1.00	0.00
			KL018384	612.00	613.00	1.00	0.01
			KL018385	613.00	614.00	1.00	0.02
			KL018386	614.00	615.00	1.00	0.01
			KL018387	615.00	616.00	1.00	0.01
			KL018388	616.00	617.00	1.00	0.01
			KL018389	617.00	618.00	1.00	0.01
			KL018391	618.00	619.00	1.00	0.01
			KL018392	619.00	620.00	1.00	0.02
			KL018393	620.00	621.00	1.00	0.01
			KL018394	636.00	637.00	1.00	0.06
			KL018395	637.00	638.00	1.00	0.01
			KL018396	638.00	639.00	1.00	0.02
			KL018397	639.00	640.00	1.00	0.01
			KL018398	646.00	647.00	1.00	0.01
			KL018399	647.00	648.00	1.00	0.01
			KL018401	648.00	649.00	1.00	0.01
			KL018402	649.00	650.00	1.00	0.02
			KL018403	650.00	651.00	1.00	0.03
			KL018404	651.00	652.00	1.00	0.01
			KL018405	652.00	653.00	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
			KL018406	653.00	654.00	1.00	0.02
			KL018407	654.00	655.00	1.00	0.02
			KL018408	655.00	656.00	1.00	0.03
			KL018409	656.00	657.00	1.00	0.01
			KL018411	657.00	658.00	1.00	0.01
			KL018412	658.00	659.00	1.00	0.01
			KL018413	659.00	660.00	1.00	0.01
			KL018414	660.00	661.00	1.00	0.01
			KL018415	661.00	662.00	1.00	0.01
			KL018416	662.00	663.00	1.00	0.01
			KL018417	663.00	664.00	1.00	0.01
			KL018418	664.00	665.00	1.00	0.01
			KL018419	665.00	665.50	0.50	0.02
			KL018421	665.50	666.00	0.50	0.01
			KL018422	666.00	666.50	0.50	0.08
			KL018423	666.50	667.00	0.50	0.01
			KL018424	667.00	668.00	1.00	0.01
			KL018425	677.00	677.50	0.50	0.01
			KL018426	677.50	678.00	0.50	0.82

DETAILED LOG

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
678.00	736.60	QFP, QUARTZ FELDSPAR PORPHYRY light grey, fine to medium grained, massive, homogeneous, predominately siliceous and sericitic, unit speckled with blue-grey qtz phenocrysts and mottled with sericitized clasts, approx 3 to 4% py occurring as segregated subhedral clusters oriented @ 20 to 30 DTCA notably @ 721.8 and 726.7 meters, faulted core from 728.3 to 729.3 meters	KL018427	678.00	679.00	1.00	0.03
			KL018428	679.00	680.00	1.00	0.01
			KL018429	680.00	681.00	1.00	0.01
			KL018431	681.00	682.00	1.00	0.01
			KL018432	682.00	683.00	1.00	0.08
			KL018433	683.00	684.00	1.00	0.01
			KL018434	684.00	685.00	1.00	0.01
			KL018435	685.00	685.50	0.50	0.02
			KL018436	685.50	686.00	0.50	0.06
			KL018437	686.00	687.00	1.00	0.01
			KL018438	696.00	697.00	1.00	0.01
			KL018439	697.00	698.00	1.00	0.01
			KL018441	698.00	699.00	1.00	0.01
			KL018442	712.00	713.00	1.00	0.01
			KL018443	713.00	714.00	1.00	0.16
			KL018444	714.00	715.00	1.00	0.04
			KL018445	719.00	719.50	0.50	0.01
			KL018446	719.50	720.20	0.70	0.01
			KL018447	720.20	721.00	0.80	0.02
			KL018448	721.00	722.00	1.00	1.35
			KL018449	722.00	723.00	1.00	0.17
			KL018451	723.00	724.00	1.00	0.01
			KL018452	724.00	725.00	1.00	0.01
			KL018453	725.00	726.00	1.00	0.02
			KL018454	726.00	727.00	1.00	0.12
			KL018455	727.00	728.00	1.00	0.07
			KL018456	729.00	730.00	1.00	0.01
			KL018457	730.00	731.00	1.00	0.01
			KL018458	731.00	732.00	1.00	0.01
			KL018459	732.00	733.00	1.00	0.00
		KL018461	733.00	734.00	1.00	0.00	
		KL018462	734.00	735.00	1.00	0.01	
		KL018463	735.00	736.00	1.00	0.01	
		KL018464	736.00	736.60	0.60	0.01	

DETAILED LOG

Hole Number: **CAR-22-23**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
736.60	786.00	<p>BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, fine grained, massive, abundant qtz-calcite infilled tension gashes @ 50 to 70 DTCA, from 743.2 to 744.0 pinkish-red granodioritic dike @ 50 DTCA, massive basalt speckled with leucoxene, from 746 to 752 meters, possible fine grained gabbroic phase with approx 2 to 3% disseminated py localized along carbonate stringers as well as specular hematite, carbonate vnt' @ 50 DTCA, @ 753.2 1 cm carbonate stringer @ 20 DTCA with approx 8 to 10% cluster of subhedral py, @ 753.8 3 cm epidotized carbonate vnt @ 20 DTCA with approx 20 to 25% subhedral and semi-massive py locd along vn ct', from 753 to 756 approx 3 to 4% scattered subhedral py xl' throughout, from 761.8 to 762.8 scattered epidotized clasts and varioles, from 762.8 to 763.0 crackle breccia with angular wallrock clasts within calcitic cement, tr sul, from 765 to 774 scattered epidotized clasts and porphyroblasts throughout, approx 1 to 2% disseminated py, @775.1 10 cm band @ 50 DTCA with approx 8 to 10% disseminated and blebby py and patchy sph, from 779.8 to 780.2, dark grey qtz flooded zone with patchy carbonate and sericitic alteration, HW ct @ 50 DTCA and approx 2 to 2% disseminated and blebby py, @ 780.3 8 cm qtz-carb vn @ 70 DTCA with approx 2 to 3% disseminated and blebby py, EOH @ 786 meters</p>	KL018465	736.60	737.20	0.60	0.05	
				KL018466	737.20	738.00	0.80	0.01
				KL018467	747.00	748.00	1.00	0.01
				KL018468	748.00	749.00	1.00	0.00
				KL018469	749.00	750.00	1.00	0.01
				KL018471	750.00	751.00	1.00	0.01
				KL018472	751.00	752.00	1.00	0.00
				KL018473	752.00	752.50	0.50	0.00
				KL018474	752.50	753.00	0.50	0.02
				KL018475	753.00	753.50	0.50	0.06
				KL018476	753.50	754.00	0.50	0.03
				KL018477	754.00	754.50	0.50	0.01
				KL018478	754.50	755.00	0.50	0.01
				KL018479	755.00	755.50	0.50	0.01
				KL018481	755.50	756.00	0.50	0.08
				KL018482	756.00	757.00	1.00	0.01
				KL018483	757.00	758.00	1.00	0.05
				KL018484	758.00	759.00	1.00	0.01
				KL018485	771.00	772.00	1.00	0.00
				KL018486	772.00	773.00	1.00	0.00
				KL018487	773.00	774.00	1.00	0.00
				KL018488	774.00	775.00	1.00	0.00
				KL018489	775.00	775.50	0.50	0.02
				KL018491	775.50	776.00	0.50	0.01
				KL018492	776.00	777.00	1.00	0.00
				KL018493	777.00	778.00	1.00	0.00
				KL018494	778.00	779.00	1.00	0.00
				KL018495	779.00	780.00	1.00	0.01
				KL018496	780.00	781.00	1.00	0.00
				KL018497	781.00	782.00	1.00	0.00
			KL018498	782.00	783.00	1.00	0.00	
			KL018499	783.00	784.00	1.00	0.00	
			KL018501	784.00	785.00	1.00	0.01	
			KL018502	785.00	786.00	1.00	0.00	

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018258	305.00	306.00	0.1830
KL018259	306.00	306.50	0.4250
KL018261	306.50	307.00	0.0410
KL018262	307.00	308.00	0.0200

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018263	308.00	308.50	0.0060
KL018264	308.50	309.00	0.0380
KL018265	309.00	309.50	0.0270
KL018266	309.50	310.00	0.0100
KL018267	310.00	311.00	0.0050
KL018268	311.00	312.00	0.0050
KL018269	357.00	358.00	0.0025
KL018271	358.00	358.50	0.0070
KL018272	358.50	359.20	0.0050
KL018273	359.20	360.20	0.0330
KL018274	360.20	361.00	0.0530
KL018275	361.00	362.00	0.0130
KL018276	362.00	363.00	0.0025
KL018277	363.00	363.50	0.0060
KL018278	363.50	364.00	0.0025
KL018279	364.00	365.00	0.0025
KL018281	387.00	388.00	0.0110
KL018282	388.00	389.00	0.0070
KL018283	389.00	390.00	0.0090
KL018284	405.00	406.00	0.0110
KL018285	406.00	407.00	0.0025
KL018286	407.00	408.00	0.0490
KL018287	408.00	409.00	0.0170
KL018288	409.00	410.00	0.0050
KL018289	410.00	411.00	0.0025
KL018291	411.00	412.00	0.0060
KL018292	412.00	413.30	0.0080
KL018293	413.30	414.00	0.0090
KL018294	444.00	444.80	0.0050
KL018295	444.80	445.50	0.0100
KL018296	445.50	446.00	0.9580
KL018297	446.00	447.00	0.0050
KL018298	447.00	448.00	0.0120
KL018299	448.00	449.00	0.0025
KL018301	449.00	450.00	0.0130
KL018302	450.00	450.90	0.0240
KL018303	450.90	452.00	0.0025
KL018304	452.00	453.00	0.0025
KL018305	460.00	461.10	0.0025

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018306	461.10	462.00	0.0050
KL018307	462.00	463.00	0.0025
KL018308	463.00	464.00	0.0080
KL018309	464.00	465.00	0.1780
KL018311	465.00	466.00	0.0440
KL018312	466.00	467.00	0.0120
KL018313	467.00	468.00	0.0060
KL018314	468.00	468.50	0.0025
KL018315	468.50	469.40	0.0380
KL018316	469.40	470.00	0.0025
KL018317	470.00	471.00	0.0060
KL018318	471.00	472.00	0.0070
KL018319	501.00	502.00	0.0080
KL018321	502.00	503.00	0.0025
KL018322	503.00	504.00	0.0025
KL018323	504.00	505.00	0.0025
KL018324	512.00	513.00	0.0550
KL018325	513.00	514.00	0.0320
KL018326	514.00	515.00	0.0470
KL018327	515.00	516.00	0.0460
KL018328	516.00	517.00	0.0180
KL018329	517.00	518.00	0.0150
KL018331	518.00	519.00	0.0700
KL018332	519.00	520.00	0.0180
KL018333	520.00	521.00	0.0220
KL018334	521.00	522.00	0.0160
KL018335	552.00	553.00	0.0170
KL018336	553.00	554.00	0.0100
KL018337	554.00	555.00	0.0090
KL018338	555.00	556.00	0.0025
KL018339	556.00	557.00	0.0025
KL018341	557.00	558.00	0.0050
KL018342	575.00	576.00	0.0070
KL018343	576.00	576.50	0.0460
KL018344	576.50	577.00	0.0050
KL018345	577.00	578.00	0.0070
KL018346	578.00	579.00	0.0100
KL018347	579.00	580.00	0.0070
KL018348	580.00	581.00	0.0110

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018349	581.00	582.00	0.0060
KL018351	582.00	583.00	0.0050
KL018352	583.00	584.00	0.0060
KL018353	584.00	585.00	0.0160
KL018354	585.00	586.00	0.0100
KL018355	586.00	586.80	0.0160
KL018356	586.80	587.50	0.0230
KL018357	587.50	588.16	0.0210
KL018358	588.16	588.60	2.0000
KL018359	588.60	589.10	3.9200
KL018361	589.10	589.60	3.4100
KL018362	589.60	590.20	1.2600
KL018363	590.20	591.00	0.4980
KL018364	591.00	592.00	0.0230
KL018365	592.00	592.50	0.0290
KL018366	592.50	593.00	0.3310
KL018367	593.00	593.50	0.6110
KL018368	593.50	594.00	0.0370
KL018369	594.00	594.50	0.0110
KL018371	594.50	595.00	0.0610
KL018372	595.00	595.50	0.0180
KL018373	595.50	596.00	0.0180
KL018374	596.00	596.50	3.5900
KL018375	596.50	597.00	0.0110
KL018376	597.00	598.00	0.0060
KL018377	598.00	599.00	0.0120
KL018378	599.00	599.50	0.0530
KL018379	599.50	600.00	0.0160
KL018381	609.00	610.00	0.0050
KL018382	610.00	611.00	0.0025
KL018383	611.00	612.00	0.0025
KL018384	612.00	613.00	0.0050
KL018385	613.00	614.00	0.0210
KL018386	614.00	615.00	0.0050
KL018387	615.00	616.00	0.0060
KL018388	616.00	617.00	0.0100
KL018389	617.00	618.00	0.0090
KL018391	618.00	619.00	0.0110
KL018392	619.00	620.00	0.0160

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018393	620.00	621.00	0.0130
KL018394	636.00	637.00	0.0550
KL018395	637.00	638.00	0.0100
KL018396	638.00	639.00	0.0150
KL018397	639.00	640.00	0.0080
KL018398	646.00	647.00	0.0120
KL018399	647.00	648.00	0.0110
KL018401	648.00	649.00	0.0070
KL018402	649.00	650.00	0.0150
KL018403	650.00	651.00	0.0280
KL018404	651.00	652.00	0.0090
KL018405	652.00	653.00	0.0140
KL018406	653.00	654.00	0.0240
KL018407	654.00	655.00	0.0220
KL018408	655.00	656.00	0.0290
KL018409	656.00	657.00	0.0110
KL018411	657.00	658.00	0.0090
KL018412	658.00	659.00	0.0140
KL018413	659.00	660.00	0.0090
KL018414	660.00	661.00	0.0050
KL018415	661.00	662.00	0.0050
KL018416	662.00	663.00	0.0120
KL018417	663.00	664.00	0.0070
KL018418	664.00	665.00	0.0140
KL018419	665.00	665.50	0.0160
KL018421	665.50	666.00	0.0100
KL018422	666.00	666.50	0.0790
KL018423	666.50	667.00	0.0130
KL018424	667.00	668.00	0.0100
KL018425	677.00	677.50	0.0100
KL018426	677.50	678.00	0.8230
KL018427	678.00	679.00	0.0290
KL018428	679.00	680.00	0.0090
KL018429	680.00	681.00	0.0080
KL018431	681.00	682.00	0.0120
KL018432	682.00	683.00	0.0820
KL018433	683.00	684.00	0.0070
KL018434	684.00	685.00	0.0060
KL018435	685.00	685.50	0.0160

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018436	685.50	686.00	0.0600
KL018437	686.00	687.00	0.0120
KL018438	696.00	697.00	0.0100
KL018439	697.00	698.00	0.0070
KL018441	698.00	699.00	0.0050
KL018442	712.00	713.00	0.0070
KL018443	713.00	714.00	0.1640
KL018444	714.00	715.00	0.0410
KL018445	719.00	719.50	0.0080
KL018446	719.50	720.20	0.0110
KL018447	720.20	721.00	0.0170
KL018448	721.00	722.00	1.3500
KL018449	722.00	723.00	0.1670
KL018451	723.00	724.00	0.0130
KL018452	724.00	725.00	0.0140
KL018453	725.00	726.00	0.0190
KL018454	726.00	727.00	0.1240
KL018455	727.00	728.00	0.0650
KL018456	729.00	730.00	0.0130
KL018457	730.00	731.00	0.0070
KL018458	731.00	732.00	0.0130
KL018459	732.00	733.00	0.0025
KL018461	733.00	734.00	0.0025
KL018462	734.00	735.00	0.0050
KL018463	735.00	736.00	0.0080
KL018464	736.00	736.60	0.0070
KL018465	736.60	737.20	0.0480
KL018466	737.20	738.00	0.0060
KL018467	747.00	748.00	0.0080
KL018468	748.00	749.00	0.0025
KL018469	749.00	750.00	0.0080
KL018471	750.00	751.00	0.0050
KL018472	751.00	752.00	0.0025
KL018473	752.00	752.50	0.0025
KL018474	752.50	753.00	0.0240
KL018475	753.00	753.50	0.0610
KL018476	753.50	754.00	0.0280
KL018477	754.00	754.50	0.0070
KL018478	754.50	755.00	0.0070

Hole Number: **CAR-22-23**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL018479	755.00	755.50	0.0110
KL018481	755.50	756.00	0.0800
KL018482	756.00	757.00	0.0060
KL018483	757.00	758.00	0.0480
KL018484	758.00	759.00	0.0050
KL018485	771.00	772.00	0.0025
KL018486	772.00	773.00	0.0025
KL018487	773.00	774.00	0.0025
KL018488	774.00	775.00	0.0025
KL018489	775.00	775.50	0.0220
KL018491	775.50	776.00	0.0070
KL018492	776.00	777.00	0.0025
KL018493	777.00	778.00	0.0025
KL018494	778.00	779.00	0.0025
KL018495	779.00	780.00	0.0050
KL018496	780.00	781.00	0.0025
KL018497	781.00	782.00	0.0025
KL018498	782.00	783.00	0.0025
KL018499	783.00	784.00	0.0025
KL018501	784.00	785.00	0.0060
KL018502	785.00	786.00	0.0025

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -54.00
Project Number: MELKIOR	North: 5358245.01	North: 35120.63	Collar Az: 240.00
Location: Carscallen Township	East: 452286.05	East: -129175.42	Length: 777.00
	Elev: 338.48	Elev: 5038.48	Start Depth: 0.00
Date Started: Jun 22, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Jul 09, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 777.00
Logged by: Peter Caldbick			

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	-54.20	EZ Sho	OK		30.00	237.16	-54.59	EZ Sho	OK	
81.00	237.15	-54.50	EZ Sho	OK		132.00	238.04	-54.34	EZ Sho	OK	
183.00	237.92	-54.06	EZ Sho	OK		234.00	238.45	-53.77	EZ Sho	OK	
285.00	238.62	-53.48	EZ Sho	OK		336.00	238.14	-53.37	EZ Sho	OK	
387.00	239.73	-53.44	EZ Sho	OK		438.00	239.92	-53.20	EZ Sho	OK	
489.00	240.86	-53.13	EZ Sho	OK		540.00	241.57	-53.37	EZ Sho	OK	
591.00	241.98	-53.23	EZ Sho	OK		642.00	237.87	-51.98	EZ Sho	OK	
693.00	238.57	-51.67	EZ Sho	OK		768.00	238.33	-51.24	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	25.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, tr sul					
25.00	26.50	FZ, Fault Zone fractured, crumbled core within potassic granodiorite, fractures predominantly oriented @ 50 DTCA, tr sul					
26.50	33.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, mottled with interstitial white calcite, tr sul					
33.50	46.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, tr sul					

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
46.00	48.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, mottled with interstitial white calcite, from 46.7 to 46.9 fractured zone with approx 3 to 4% cluster of subhedral py along fractured surface, fractures @ 40 DTCA	KL018503	46.00	46.50	0.50	0.01
			KL018504	46.50	47.00	0.50	0.01
			KL018505	47.00	48.00	1.00	0.00
48.00	68.70	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths, tr sul	KL018506	68.00	68.70	0.70	0.02
68.70	69.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, fractured and strongly chloritic from 68.7 to 69.0 meters, tr sul	KL018507	68.70	69.60	0.90	0.03
69.60	81.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths, tr sul	KL018508	69.60	70.20	0.60	0.00
81.00	82.50	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white with pinkish hue, silicified, potassic, somewhat fractured unit with fractures @ 30 to 50 DTCA, tr sul					
82.50	105.90	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths, tr sul, from 86 to 86.3 strongly fractured chloritic zone, fractures @ 40 to 50 DTCA, tr sul	KL018509	100.00	101.00	1.00	0.00
			KL018511	101.00	102.00	1.00	0.00
			KL018512	102.00	103.00	1.00	0.00
			KL018513	103.00	104.00	1.00	0.00
			KL018514	104.00	105.00	1.00	0.00
			KL018515	105.00	105.90	0.90	0.00
105.90	107.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, approx 1 to 2% disseminated py	KL018516	105.90	106.50	0.60	0.00
			KL018517	106.50	107.00	0.50	0.00
107.00	135.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths up to 20 cm in width, tr sul	KL018518	107.00	108.00	1.00	0.00
135.00	136.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, approx 1 to 2% disseminated py	KL018519	135.00	135.50	0.50	0.00
			KL018521	135.50	136.30	0.80	0.00
136.30	185.80	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths up to 20 cm in width, tr sul	KL018522	136.30	137.00	0.70	0.00
			KL018523	137.00	138.00	1.00	0.00
			KL018524	185.00	185.80	0.80	0.00
185.80	186.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, slightly pinkish hue, predominantly chloritic, slightly potassic and carbonaceous, speckled with sausserite, approx 1 to 2% disseminated py	KL018525	185.80	186.30	0.50	0.00

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
186.30	218.60	GRD_POT, Granodiorite - Potassic (Melkior) reddish pink, potassic, slightly hematitic, glomeroporphyritic texture, homogeneous, minor white interstitial calcite, scattered rounded to subrounded chloritic clasts and xenoliths up to 20 cm in width, tr sul, from 218.4 to 218.6 strongly fractured section, possible commencement of faulting	KL018526	186.30	187.00	0.70	0.00
218.60	330.60	GRD_HEM, Granodiorite - Hematized (Melkior) purplish red, medim grained, hematitic, potassic, glomeroporphyritic with interstitial hornblende and white calcite, crumbled faulted sections notably from 220.2 to 220.6, 223.3 to 223.6 and 229.2 to 229.5 meters, slightly pitted core, tr sul, from 240.3 to 240.5, fractured interval with fractures @ 50 to 70 DTCA, from 287.3 to 287.9 fractured possible faulted interval with fractures @ 50 DTCA	KL018527	330.00	330.60	0.60	0.01

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
330.60	392.20	<p>BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, massive, chloritic, locally carbonaceous, speckled with leucoxene flakes, from 336 to 336.8 granodioritic xenolith with ct' subparallel to CA, from 340 to 340.75 granodioritic xenolith with ct' perpendicular to CA, from 338 to 345.5 scattered fractured intervals from 30 to 50 cm in width, fractures @ 60 to 70 DTCA, possible fault zone, from 348 to 358 slightly pepperitic textre with chloriric clasts, from 344 to 349 approx 3 to 4% disseminated and segregated clusters of py @ 40 to 50 DTCA, from 358 to 372 slightly pepperitic texture with clasts of graphite and chlorite, approx 2 to 3% disseminated py, from 372 to 375, approx 12 to 15% clusters of subhedral py notably from 373.5 to 373.8 with approx 20 to 25% banded semi-massive sulphide subparallel to CA and from 374.5 to 374.6 with approx 35 to 40% banded sulphide @ 60 DTCA, from 375 to 381 approx 5 to 6% clusters of subhedral py, @ 381.3 4 cm qtz-chl-carb vnt @ 80 DTCA with approx 2 to 3% disseminated py, from 386.64 to 387.2 meters semi-massive to massive sulphide with irregular HW and FW ct' @ 40 DTCA, minor patchy cpy, po, predominantly pyritic, from 388.7 to 389.1 approx 30 to 35% subhedral pyritic clusters and banded semi-massive py @ 50 DTCA, from 389.1 to 400 approx 3 to 4% scattered clusters of subhedral py, patchy calcite throughout unit,</p>	KL018528	330.60	331.20	0.60	0.05	
				KL018529	331.20	332.00	0.80	0.00
				KL018531	332.00	333.00	1.00	0.01
				KL018532	333.00	334.00	1.00	0.02
				KL018533	334.00	335.00	1.00	0.01
				KL018534	335.00	336.00	1.00	0.01
				KL018535	336.00	337.00	1.00	0.00
				KL018536	337.00	338.00	1.00	0.00
				KL018537	338.00	339.00	1.00	0.04
				KL018538	339.00	340.00	1.00	0.00
				KL018539	340.00	341.00	1.00	0.01
				KL018541	341.00	342.00	1.00	0.01
				KL018542	342.00	343.00	1.00	0.00
				KL018543	343.00	344.00	1.00	0.00
				KL018544	344.00	344.50	0.50	0.00
				KL018545	344.50	345.00	0.50	0.00
				KL018546	345.00	346.00	1.00	0.00
				KL018547	346.00	346.50	0.50	0.00
				KL018548	346.50	347.00	0.50	0.01
				KL018549	347.00	347.50	0.50	0.00
				KL018551	347.50	348.00	0.50	0.01
				KL018552	348.00	348.50	0.50	0.00
				KL018553	348.50	349.00	0.50	0.02
				KL018554	349.00	350.00	1.00	0.00
				KL018555	350.00	351.00	1.00	0.00
				KL018556	351.00	352.00	1.00	0.00
				KL018557	352.00	353.00	1.00	0.00
				KL018558	353.00	353.50	0.50	0.00
				KL018559	353.50	354.00	0.50	0.01
				KL018561	354.00	355.00	1.00	0.00
			KL018562	355.00	356.00	1.00	0.00	
			KL018563	356.00	357.00	1.00	0.00	
			KL018564	357.00	358.00	1.00	0.00	
			KL018565	358.00	359.00	1.00	0.00	
			KL018566	359.00	360.00	1.00	0.06	
			KL018567	360.00	361.00	1.00	0.01	
			KL018568	361.00	362.00	1.00	0.01	
			KL018569	362.00	363.00	1.00	0.01	
			KL018571	363.00	364.00	1.00	0.03	
			KL018572	364.00	365.00	1.00	0.01	
			KL018573	365.00	366.00	1.00	0.03	
			KL018574	366.00	367.00	1.00	0.02	
			KL018575	367.00	368.00	1.00	0.02	

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL018576	368.00	369.00	1.00	0.01
			KL018577	369.00	370.00	1.00	0.01
			KL018578	370.00	371.00	1.00	0.00
			KL018579	371.00	372.00	1.00	0.00
			KL018581	372.00	373.00	1.00	0.01
			KL018582	373.00	373.50	0.50	0.08
			KL018583	373.50	374.00	0.50	0.13
			KL018584	374.00	374.50	0.50	0.30
			KL018585	374.50	375.00	0.50	0.11
			KL018586	375.00	376.00	1.00	0.01
			KL018587	376.00	377.00	1.00	0.01
			KL018588	377.00	378.00	1.00	0.01
			KL018589	378.00	379.00	1.00	0.01
			KL018591	379.00	380.00	1.00	0.01
			KL018592	380.00	381.00	1.00	0.01
			KL018593	381.00	381.50	0.50	0.01
			KL018594	381.50	382.00	0.50	0.01
			KL018595	382.00	383.00	1.00	0.01
			KL018596	383.00	384.00	1.00	0.01
			KL018597	384.00	384.50	0.50	0.01
			KL018598	384.50	385.00	0.50	0.01
			KL018599	385.00	386.00	1.00	0.01
			KL018601	386.00	386.60	0.60	0.01
			KL018602	386.60	387.20	0.60	0.12
			KL018603	387.20	387.90	0.70	0.06
			KL018604	387.90	388.50	0.60	0.01
			KL018605	388.50	389.00	0.50	0.05
			KL018606	389.00	389.50	0.50	0.08
			KL018607	389.50	390.00	0.50	0.01
			KL018608	390.00	391.00	1.00	0.01
			KL018609	391.00	392.00	1.00	0.01
			KL018611	392.00	393.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
392.20	440.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, patchy calcite throughout unit, localized brecciate hyaloclastite, localized brecciated pinkish potassic granodioritic clasts, from 428.5 to 441 strongly fractured intervals with fractures subparallel to CA, approx 1 to 2% disseminated py throughout, gradational Fw ct perpendicular to CA	KL018612	393.00	394.00	1.00	0.01
			KL018613	394.00	395.00	1.00	0.01
			KL018614	395.00	396.00	1.00	0.02
			KL018615	396.00	397.00	1.00	0.01
			KL018616	397.00	398.00	1.00	0.01
			KL018617	398.00	399.00	1.00	0.01
			KL018618	399.00	400.00	1.00	0.01
			KL018619	405.00	405.50	0.50	0.01
			KL018621	405.50	406.00	0.50	0.02
			KL018622	406.00	407.00	1.00	0.01
			KL018623	407.00	407.50	0.50	0.01
			KL018624	407.50	408.00	0.50	0.02
			KL018625	408.00	409.00	1.00	0.00
			KL018626	409.00	410.00	1.00	0.00
			KL018627	410.00	411.00	1.00	0.00
			KL018628	411.00	412.00	1.00	0.00
			KL018629	412.00	413.00	1.00	0.00
		KL018631	413.00	414.00	1.00	0.08	

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
440.00	777.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, massive, chloritic, locally carbonaceous, speckled with leucoxene flakes and patchy calcite, scattered fractured intervals throughout no wider than 50 cm, approx 3 to 4% scattered clusters of subhedral py throughout, scattered "ripped up" potassic granodioritic clasts throughout, from 477 to 483 approx 4 to 5% scattered clusters of subhedral and blebby py, from 489 to 498 approx 4 to 5% scattered clusters of subhedral and blebby py, from 491.8 to 496 slightly amygdaloidal and variolitic texture with pinkish potassic clasts and varioles, from 513 to 513.2 carbonate patch subparallel to CA with 3 to 4% scattered subhedral py, from 518.5 to 521 mineralized and carbonaceous zone comprised of carbonate vn' and patches predominantly oriented @ 40 to 50 DTCA with approx 12 to 15% localized clusters of subhedral py, @ 518.6 2 cm carb vnt @ 60 DTCA with 10 to 12% clusters of subhedral py, @ 518.9 4 cm patch of carbonate @ 40 DTCA with approx 6 to 7% cluster of subhedral py, from 519 to 519.8 approx 5 to 6% scattered subhedral py with abundant patchy carbonate subparallel to CA, @ 520.1 5 cm contorted carbonate vnt @ 40 DTCA with approx 20 to 25% semi-massive py, from 520 to 521 slightly siliceous and potassic alteration halo, @ 528.7 2 cm carb vnt @ 40 DTCA with 20 to 25% columnar aggregates of subhedral py, from 524 to 537 scattered calcitic clasts and fragments, locally brecciated, approx 2 to 3% scattered subhedral py, from 548 to 553, slightly amygdaloidal with scattered potassic vesicles, approx 3 to 4% localized subhedral clusters of py, @ 551.9 7 cm carbonate vn @ 70 DTCA with approx 3 to 4% subhedral py locd along vn FW ct, from 561.5 to 562.7 fractured faulted zone with fractures subparallel to CA, from 562 to 572 massive, homogeneous slightly more medium grained with gabbroic texture, from 576.5 to 577.5 fractured faulted zone with fractures subparallel to CA, from 576 to 598.5 abundant 2nd order to 3rd order calcite infilled tension gashes predominantly oriented @ 70 to 80 DTCA, approx 2 to 3% disseminated py, from 598.5 to 606 somewhat spherulitic texture with scattered subrounded to rounded chloritic and silica-rich cores, from 610.7 to 611 brecciated carbonate with angular wallrock fragments, tr sul, from 621 to 626 approx 4 to 5% scatterd subhedral py, @ 623 1 cm carbonate stringer with 20 to 25% subhedral py, from 632 to 636 approx 10 to 12% scattered subhedral and patchy pyrite, from 633.2 to 633.4 approx 20 to 25% patchy aggregates of subhedral py within carbonate vnt' @ 50 DTCA, from 635 to 635.6 approx 15 to 20% patchy subhedral py aligned parallel to shear zone @ 50 DTCA with abundant ellipsoidal carbonate clasts stretched parallel to foliation, from 643 to 647 approx 3 to 4% scattered subhedral py xl', scattered epidotitic and calcitic vnt' @ 50 DTCA parallel to foliation, from 650 to 673 chloritic, locally siliceous, abundant qtz-calcite infilled tension gashes @ 50 to 70 DTCA, tr sul, from 675 to 690 moderately foliated slightly sheared with foliation @ 40 DTCA, abundant carbonate vnt' and sts predomiantly oriented @ 30 to 40 DTCA and 60 to 70 DTCA, mostly massive but with sheared sections and slightly amygdaloidal sections as well, from 678 to 688 approx 2 to 3% disseminated py, from 689 to 696 approx 3 to 5% patchy and blebby cpy notably @ 691.2 and 695.6 meters, from 743 to 744.3 greyish white silicified carbonate vn @ 30 to 40 DTCA with 1 to 2% disseminated py within chloritic wallrock, @ 768.6 meters 2 cm sulphidic vnt @ 40 DTCA with approx 35 to 40% py and cpy, @ 776.9 1 cm band of approx 10 to 12% subhedral aggregates of py @ 20 DTCA, EOH @ 777.0 meters	KL018632	477.00	478.00	1.00	0.01
			KL018633	478.00	479.00	1.00	0.01
			KL018634	479.00	480.00	1.00	0.01
			KL018635	480.00	481.00	1.00	0.01
			KL018636	481.00	482.00	1.00	0.02
			KL018637	482.00	483.00	1.00	0.01
			KL018638	483.00	484.00	1.00	0.01
			KL018639	489.00	490.00	1.00	0.01
			KL018641	490.00	491.00	1.00	0.01
			KL018642	491.00	492.00	1.00	0.01
			KL018643	492.00	493.00	1.00	0.01
			KL018644	493.00	494.00	1.00	0.01
			KL018645	494.00	495.00	1.00	0.02
			KL018646	495.00	496.00	1.00	0.01
			KL018647	496.00	497.00	1.00	0.01
			KL018648	497.00	498.00	1.00	0.01
			KL018649	498.00	499.00	1.00	0.01
			KL018651	499.00	500.00	1.00	0.01
			KL018652	507.00	508.00	1.00	0.01
			KL018653	508.00	509.00	1.00	0.01
			KL018654	509.00	510.00	1.00	0.01
			KL018655	510.00	511.00	1.00	0.01
			KL018656	511.00	512.00	1.00	0.01
			KL018657	512.00	513.00	1.00	0.01
			KL018658	513.00	514.00	1.00	0.01
			KL018659	514.00	515.00	1.00	0.01
			KL018661	515.00	516.00	1.00	0.01
			KL018662	516.00	516.50	0.50	0.01
			KL018663	516.50	517.00	0.50	0.01
			KL018664	517.00	518.00	1.00	0.01
			KL018665	518.00	518.50	0.50	0.01
			KL018666	518.50	519.00	0.50	0.04
			KL018667	519.00	519.50	0.50	0.02
			KL018668	519.50	520.00	0.50	0.01
			KL018669	520.00	520.50	0.50	0.04
			KL018671	520.50	521.00	0.50	0.02
			KL018672	521.00	522.00	1.00	0.01
			KL018673	522.00	523.00	1.00	0.02
			KL018674	523.00	524.00	1.00	0.01
			KL018675	524.00	525.00	1.00	0.01
			KL018676	525.00	526.00	1.00	0.00
			KL018677	526.00	527.00	1.00	0.01
			KL018678	527.00	528.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL018679	528.00	528.50	0.50	0.01
			KL018681	528.50	529.00	0.50	0.06
			KL018682	529.00	530.00	1.00	0.01
			KL018683	530.00	531.00	1.00	0.01
			KL018684	543.00	544.00	1.00	0.01
			KL018685	544.00	545.00	1.00	0.01
			KL018686	545.00	546.00	1.00	0.01
			KL018687	546.00	547.00	1.00	0.01
			KL018688	547.00	548.00	1.00	0.01
			KL018689	548.00	548.50	0.50	0.01
			KL018691	548.50	549.00	0.50	0.01
			KL018692	549.00	549.50	0.50	0.01
			KL018693	549.50	550.00	0.50	0.01
			KL018694	550.00	550.50	0.50	0.01
			KL018695	550.50	551.00	0.50	0.01
			KL018696	551.00	551.50	0.50	0.01
			KL018697	551.50	552.00	0.50	0.25
			KL018698	552.00	553.00	1.00	0.23
			KL018699	553.00	554.00	1.00	0.01
			KL018701	554.00	555.00	1.00	0.00
			KL018702	555.00	556.00	1.00	0.01
			KL018703	556.00	557.00	1.00	0.01
			KL018704	557.00	558.00	1.00	0.01
			KL018705	558.00	559.00	1.00	0.00
			KL018706	559.00	560.00	1.00	0.00
			KL018707	560.00	561.00	1.00	0.00
			KL018708	561.00	562.00	1.00	0.01
			KL018709	562.00	563.00	1.00	0.01
			KL018711	563.00	564.00	1.00	0.01
			KL018712	580.00	581.00	1.00	0.02
			KL018713	581.00	582.00	1.00	0.08
			KL018714	582.00	583.00	1.00	0.01
			KL018715	583.00	584.00	1.00	0.01
			KL018716	584.00	585.00	1.00	0.01
			KL018717	585.00	586.00	1.00	0.01
			KL018718	586.00	587.00	1.00	0.01
			KL018719	587.00	588.00	1.00	0.01
			KL018721	588.00	589.00	1.00	0.01
			KL018722	589.00	590.00	1.00	0.00
			KL018723	590.00	591.00	1.00	0.01
			KL018724	591.00	592.00	1.00	0.01
			KL018725	592.00	593.00	1.00	0.00
			KL018726	593.00	594.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL018727	594.00	595.00	1.00	0.00
			KL018728	595.00	596.00	1.00	0.01
			KL018729	596.00	597.00	1.00	0.00
			KL018731	597.00	598.00	1.00	0.00
			KL018732	598.00	599.00	1.00	0.00
			KL018733	599.00	600.00	1.00	0.01
			KL018734	600.00	601.00	1.00	0.01
			KL018735	601.00	602.00	1.00	0.01
			KL018736	602.00	603.00	1.00	0.01
			KL018737	619.00	620.00	1.00	0.00
			KL018738	620.00	621.00	1.00	0.01
			KL018739	621.00	622.00	1.00	0.01
			KL018741	622.00	622.50	0.50	0.26
			KL018742	622.50	623.00	0.50	0.08
			KL018743	623.00	624.00	1.00	0.03
			KL018744	624.00	625.00	1.00	0.01
			KL018745	625.00	625.50	0.50	0.05
			KL018746	625.50	626.00	0.50	0.04
			KL018747	626.00	626.50	0.50	0.02
			KL018748	626.50	627.00	0.50	0.01
			KL018749	627.00	628.00	1.00	0.01
			KL018751	628.00	629.00	1.00	0.01
			KL018752	629.00	630.00	1.00	0.01
			KL018753	630.00	631.00	1.00	0.01
			KL018754	631.00	632.00	1.00	0.01
			KL018755	632.00	632.50	0.50	0.30
			KL018756	632.50	633.00	0.50	0.42
			KL018757	633.00	633.50	0.50	1.59
			KL018758	633.50	634.00	0.50	0.23
			KL018759	634.00	634.50	0.50	0.04
			KL018761	634.50	635.00	0.50	0.25
			KL018762	635.00	635.60	0.60	2.39
			KL018763	635.60	636.10	0.50	0.21
			KL018764	636.10	637.00	0.90	0.02
			KL018765	637.00	638.00	1.00	0.01
			KL018766	638.00	639.00	1.00	0.02
			KL018767	639.00	640.00	1.00	0.01
			KL018768	640.00	641.00	1.00	0.01
			KL018769	641.00	642.00	1.00	0.01
			KL018771	642.00	643.00	1.00	0.00
			KL018772	643.00	644.00	1.00	0.08
			KL018773	644.00	645.00	1.00	0.00
			KL018774	645.00	646.00	1.00	0.08

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL018775	646.00	647.00	1.00	0.00
			KL018776	647.00	648.00	1.00	0.05
			KL018777	648.00	649.00	1.00	0.00
			KL018778	649.00	650.00	1.00	0.00
			KL018779	678.00	679.00	1.00	0.00
			KL018781	679.00	680.00	1.00	0.00
			KL018782	680.00	681.00	1.00	0.00
			KL018783	681.00	682.00	1.00	0.02
			KL018784	682.00	683.00	1.00	0.01
			KL018785	683.00	684.00	1.00	0.02
			KL018786	684.00	685.00	1.00	0.01
			KL018787	685.00	686.00	1.00	0.00
			KL018788	686.00	687.00	1.00	0.01
			KL018789	687.00	688.00	1.00	0.00
			KL018791	688.00	689.00	1.00	0.01
			KL018792	689.00	690.00	1.00	0.00
			KL018793	690.00	691.00	1.00	0.01
			KL018794	691.00	692.00	1.00	0.01
			KL018795	692.00	693.00	1.00	0.01
			KL018796	693.00	694.00	1.00	0.01
			KL018797	694.00	695.00	1.00	0.01
			KL018798	695.00	696.00	1.00	0.01
			KL018799	696.00	697.00	1.00	0.01
			KL018851	697.00	698.00	1.00	0.01
			KL018852	698.00	699.00	1.00	0.00
			KL018853	699.00	700.00	1.00	0.01
			KL018854	700.00	701.00	1.00	0.01
			KL018855	701.00	702.00	1.00	0.01
			KL018856	702.00	703.00	1.00	0.00
			KL018857	703.00	704.00	1.00	0.00
			KL018858	704.00	705.00	1.00	0.00
			KL018859	710.00	711.00	1.00	0.00
			KL018861	711.00	712.00	1.00	0.01
			KL018862	712.00	713.00	1.00	0.01
			KL018863	713.00	714.00	1.00	0.00
			KL018864	741.00	742.00	1.00	0.01
			KL018865	742.00	743.00	1.00	0.01
			KL018866	743.00	743.50	0.50	0.09
			KL018867	743.50	744.00	0.50	0.16
			KL018868	744.00	744.50	0.50	0.15
			KL018869	744.50	745.00	0.50	0.01
			KL018871	765.00	766.00	1.00	0.02
			KL018872	766.00	767.00	1.00	0.02

DETAILED LOG

Hole Number: **CAR-22-24**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL018873	767.00	768.00	1.00	0.06
			KL018874	768.00	768.50	0.50	0.06
			KL018875	768.50	769.00	0.50	0.12
			KL018876	769.00	770.00	1.00	0.04
			KL018877	770.00	771.00	1.00	0.04
			KL018878	771.00	772.00	1.00	0.02
			KL018879	772.00	773.00	1.00	0.03
			KL018881	773.00	774.00	1.00	0.02
			KL018882	774.00	775.00	1.00	0.02
			KL018883	775.00	776.00	1.00	0.01
			KL018884	776.00	776.50	0.50	0.01
			KL018885	776.50	777.00	0.50	0.02

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018503	46.00	46.50	0.0090
KL018504	46.50	47.00	0.0090
KL018505	47.00	48.00	0.0025
KL018506	68.00	68.70	0.0160
KL018507	68.70	69.60	0.0320
KL018508	69.60	70.20	0.0025
KL018509	100.00	101.00	0.0025
KL018511	101.00	102.00	0.0025
KL018512	102.00	103.00	0.0025
KL018513	103.00	104.00	0.0025
KL018514	104.00	105.00	0.0025
KL018515	105.00	105.90	0.0025
KL018516	105.90	106.50	0.0025
KL018517	106.50	107.00	0.0025
KL018518	107.00	108.00	0.0025
KL018519	135.00	135.50	0.0025
KL018521	135.50	136.30	0.0025
KL018522	136.30	137.00	0.0025
KL018523	137.00	138.00	0.0025
KL018524	185.00	185.80	0.0025
KL018525	185.80	186.30	0.0025
KL018526	186.30	187.00	0.0025
KL018527	330.00	330.60	0.0090
KL018528	330.60	331.20	0.0520
KL018529	331.20	332.00	0.0025

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018531	332.00	333.00	0.0110
KL018532	333.00	334.00	0.0150
KL018533	334.00	335.00	0.0100
KL018534	335.00	336.00	0.0110
KL018535	336.00	337.00	0.0025
KL018536	337.00	338.00	0.0025
KL018537	338.00	339.00	0.0400
KL018538	339.00	340.00	0.0025
KL018539	340.00	341.00	0.0080
KL018541	341.00	342.00	0.0120
KL018542	342.00	343.00	0.0025
KL018543	343.00	344.00	0.0025
KL018544	344.00	344.50	0.0025
KL018545	344.50	345.00	0.0025
KL018546	345.00	346.00	0.0025
KL018547	346.00	346.50	0.0025
KL018548	346.50	347.00	0.0140
KL018549	347.00	347.50	0.0025
KL018551	347.50	348.00	0.0120
KL018552	348.00	348.50	0.0025
KL018553	348.50	349.00	0.0160
KL018554	349.00	350.00	0.0025
KL018555	350.00	351.00	0.0025
KL018556	351.00	352.00	0.0025
KL018557	352.00	353.00	0.0025
KL018558	353.00	353.50	0.0025
KL018559	353.50	354.00	0.0100
KL018561	354.00	355.00	0.0025
KL018562	355.00	356.00	0.0025
KL018563	356.00	357.00	0.0025
KL018564	357.00	358.00	0.0025
KL018565	358.00	359.00	0.0025
KL018566	359.00	360.00	0.0560
KL018567	360.00	361.00	0.0070
KL018568	361.00	362.00	0.0110
KL018569	362.00	363.00	0.0100
KL018571	363.00	364.00	0.0290
KL018572	364.00	365.00	0.0100
KL018573	365.00	366.00	0.0250

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018574	366.00	367.00	0.0210
KL018575	367.00	368.00	0.0160
KL018576	368.00	369.00	0.0110
KL018577	369.00	370.00	0.0100
KL018578	370.00	371.00	0.0025
KL018579	371.00	372.00	0.0025
KL018581	372.00	373.00	0.0090
KL018582	373.00	373.50	0.0760
KL018583	373.50	374.00	0.1310
KL018584	374.00	374.50	0.2980
KL018585	374.50	375.00	0.1130
KL018586	375.00	376.00	0.0090
KL018587	376.00	377.00	0.0050
KL018588	377.00	378.00	0.0050
KL018589	378.00	379.00	0.0080
KL018591	379.00	380.00	0.0050
KL018592	380.00	381.00	0.0060
KL018593	381.00	381.50	0.0060
KL018594	381.50	382.00	0.0060
KL018595	382.00	383.00	0.0060
KL018596	383.00	384.00	0.0090
KL018597	384.00	384.50	0.0080
KL018598	384.50	385.00	0.0080
KL018599	385.00	386.00	0.0090
KL018601	386.00	386.60	0.0110
KL018602	386.60	387.20	0.1170
KL018603	387.20	387.90	0.0570
KL018604	387.90	388.50	0.0090
KL018605	388.50	389.00	0.0480
KL018606	389.00	389.50	0.0770
KL018607	389.50	390.00	0.0080
KL018608	390.00	391.00	0.0130
KL018609	391.00	392.00	0.0080
KL018611	392.00	393.00	0.0080
KL018612	393.00	394.00	0.0080
KL018613	394.00	395.00	0.0100
KL018614	395.00	396.00	0.0200
KL018615	396.00	397.00	0.0100
KL018616	397.00	398.00	0.0110

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL018617	398.00	399.00	0.0100
KL018618	399.00	400.00	0.0140
KL018619	405.00	405.50	0.0100
KL018621	405.50	406.00	0.0210
KL018622	406.00	407.00	0.0130
KL018623	407.00	407.50	0.0140
KL018624	407.50	408.00	0.0160
KL018625	408.00	409.00	0.0025
KL018626	409.00	410.00	0.0025
KL018627	410.00	411.00	0.0025
KL018628	411.00	412.00	0.0025
KL018629	412.00	413.00	0.0025
KL018631	413.00	414.00	0.0790
KL018632	477.00	478.00	0.0110
KL018633	478.00	479.00	0.0090
KL018634	479.00	480.00	0.0110
KL018635	480.00	481.00	0.0100
KL018636	481.00	482.00	0.0160
KL018637	482.00	483.00	0.0090
KL018638	483.00	484.00	0.0100
KL018639	489.00	490.00	0.0110
KL018641	490.00	491.00	0.0130
KL018642	491.00	492.00	0.0110
KL018643	492.00	493.00	0.0050
KL018644	493.00	494.00	0.0060
KL018645	494.00	495.00	0.0180
KL018646	495.00	496.00	0.0110
KL018647	496.00	497.00	0.0130
KL018648	497.00	498.00	0.0080
KL018649	498.00	499.00	0.0090
KL018651	499.00	500.00	0.0110
KL018652	507.00	508.00	0.0130
KL018653	508.00	509.00	0.0090
KL018654	509.00	510.00	0.0090
KL018655	510.00	511.00	0.0100
KL018656	511.00	512.00	0.0100
KL018657	512.00	513.00	0.0110
KL018658	513.00	514.00	0.0050
KL018659	514.00	515.00	0.0080

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018661	515.00	516.00	0.0080
KL018662	516.00	516.50	0.0090
KL018663	516.50	517.00	0.0090
KL018664	517.00	518.00	0.0090
KL018665	518.00	518.50	0.0090
KL018666	518.50	519.00	0.0350
KL018667	519.00	519.50	0.0160
KL018668	519.50	520.00	0.0140
KL018669	520.00	520.50	0.0380
KL018671	520.50	521.00	0.0150
KL018672	521.00	522.00	0.0140
KL018673	522.00	523.00	0.0150
KL018674	523.00	524.00	0.0140
KL018675	524.00	525.00	0.0090
KL018676	525.00	526.00	0.0025
KL018677	526.00	527.00	0.0070
KL018678	527.00	528.00	0.0090
KL018679	528.00	528.50	0.0080
KL018681	528.50	529.00	0.0590
KL018682	529.00	530.00	0.0120
KL018683	530.00	531.00	0.0090
KL018684	543.00	544.00	0.0070
KL018685	544.00	545.00	0.0110
KL018686	545.00	546.00	0.0080
KL018687	546.00	547.00	0.0080
KL018688	547.00	548.00	0.0090
KL018689	548.00	548.50	0.0090
KL018691	548.50	549.00	0.0120
KL018692	549.00	549.50	0.0120
KL018693	549.50	550.00	0.0070
KL018694	550.00	550.50	0.0140
KL018695	550.50	551.00	0.0080
KL018696	551.00	551.50	0.0110
KL018697	551.50	552.00	0.2520
KL018698	552.00	553.00	0.2330
KL018699	553.00	554.00	0.0070
KL018701	554.00	555.00	0.0025
KL018702	555.00	556.00	0.0050
KL018703	556.00	557.00	0.0070

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018704	557.00	558.00	0.0090
KL018705	558.00	559.00	0.0025
KL018706	559.00	560.00	0.0025
KL018707	560.00	561.00	0.0025
KL018708	561.00	562.00	0.0050
KL018709	562.00	563.00	0.0060
KL018711	563.00	564.00	0.0090
KL018712	580.00	581.00	0.0190
KL018713	581.00	582.00	0.0820
KL018714	582.00	583.00	0.0070
KL018715	583.00	584.00	0.0070
KL018716	584.00	585.00	0.0100
KL018717	585.00	586.00	0.0080
KL018718	586.00	587.00	0.0070
KL018719	587.00	588.00	0.0080
KL018721	588.00	589.00	0.0070
KL018722	589.00	590.00	0.0025
KL018723	590.00	591.00	0.0060
KL018724	591.00	592.00	0.0050
KL018725	592.00	593.00	0.0025
KL018726	593.00	594.00	0.0025
KL018727	594.00	595.00	0.0025
KL018728	595.00	596.00	0.0060
KL018729	596.00	597.00	0.0025
KL018731	597.00	598.00	0.0025
KL018732	598.00	599.00	0.0025
KL018733	599.00	600.00	0.0050
KL018734	600.00	601.00	0.0080
KL018735	601.00	602.00	0.0100
KL018736	602.00	603.00	0.0050
KL018737	619.00	620.00	0.0025
KL018738	620.00	621.00	0.0090
KL018739	621.00	622.00	0.0090
KL018741	622.00	622.50	0.2600
KL018742	622.50	623.00	0.0760
KL018743	623.00	624.00	0.0270
KL018744	624.00	625.00	0.0090
KL018745	625.00	625.50	0.0480
KL018746	625.50	626.00	0.0370

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL018747	626.00	626.50	0.0170
KL018748	626.50	627.00	0.0140
KL018749	627.00	628.00	0.0100
KL018751	628.00	629.00	0.0100
KL018752	629.00	630.00	0.0090
KL018753	630.00	631.00	0.0070
KL018754	631.00	632.00	0.0120
KL018755	632.00	632.50	0.3020
KL018756	632.50	633.00	0.4210
KL018757	633.00	633.50	1.5900
KL018758	633.50	634.00	0.2310
KL018759	634.00	634.50	0.0390
KL018761	634.50	635.00	0.2540
KL018762	635.00	635.60	2.3900
KL018763	635.60	636.10	0.2060
KL018764	636.10	637.00	0.0240
KL018765	637.00	638.00	0.0120
KL018766	638.00	639.00	0.0160
KL018767	639.00	640.00	0.0110
KL018768	640.00	641.00	0.0080
KL018769	641.00	642.00	0.0100
KL018771	642.00	643.00	0.0025
KL018772	643.00	644.00	0.0810
KL018773	644.00	645.00	0.0025
KL018774	645.00	646.00	0.0810
KL018775	646.00	647.00	0.0025
KL018776	647.00	648.00	0.0480
KL018777	648.00	649.00	0.0025
KL018778	649.00	650.00	0.0025
KL018779	678.00	679.00	0.0025
KL018781	679.00	680.00	0.0025
KL018782	680.00	681.00	0.0025
KL018783	681.00	682.00	0.0230
KL018784	682.00	683.00	0.0080
KL018785	683.00	684.00	0.0150
KL018786	684.00	685.00	0.0060
KL018787	685.00	686.00	0.0025
KL018788	686.00	687.00	0.0050
KL018789	687.00	688.00	0.0025

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018791	688.00	689.00	0.0070
KL018792	689.00	690.00	0.0025
KL018793	690.00	691.00	0.0060
KL018794	691.00	692.00	0.0070
KL018795	692.00	693.00	0.0060
KL018796	693.00	694.00	0.0080
KL018797	694.00	695.00	0.0050
KL018798	695.00	696.00	0.0050
KL018799	696.00	697.00	0.0050
KL018851	697.00	698.00	0.0060
KL018852	698.00	699.00	0.0025
KL018853	699.00	700.00	0.0080
KL018854	700.00	701.00	0.0050
KL018855	701.00	702.00	0.0060
KL018856	702.00	703.00	0.0025
KL018857	703.00	704.00	0.0025
KL018858	704.00	705.00	0.0025
KL018859	710.00	711.00	0.0025
KL018861	711.00	712.00	0.0080
KL018862	712.00	713.00	0.0050
KL018863	713.00	714.00	0.0025
KL018864	741.00	742.00	0.0130
KL018865	742.00	743.00	0.0100
KL018866	743.00	743.50	0.0850
KL018867	743.50	744.00	0.1580
KL018868	744.00	744.50	0.1450
KL018869	744.50	745.00	0.0100
KL018871	765.00	766.00	0.0200
KL018872	766.00	767.00	0.0190
KL018873	767.00	768.00	0.0570
KL018874	768.00	768.50	0.0550
KL018875	768.50	769.00	0.1190
KL018876	769.00	770.00	0.0360
KL018877	770.00	771.00	0.0350
KL018878	771.00	772.00	0.0150
KL018879	772.00	773.00	0.0340
KL018881	773.00	774.00	0.0180
KL018882	774.00	775.00	0.0220
KL018883	775.00	776.00	0.0080

Hole Number: **CAR-22-24**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL018884	776.00	776.50	0.0130
KL018885	776.50	777.00	0.0150

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -70.00
Project Number: MELKIOR	North: 5357737.64	North: 34753.49	Collar Az: 310.00
Location: Carscallen Township	East: 451868.08	East: -129720.95	Length: 600.00
	Elev: 349.25	Elev: 5049.25	Start Depth: 0.00
Date Started: Jul 10, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Jul 26, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 600.00
		Logged by: Peter Caldbick	

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	310.00	-70.00	EZ Sho	OK		15.00	309.04	-68.86	EZ Sho	OK	
66.00	311.41	-68.49	EZ Sho	OK		117.00	311.92	-68.14	EZ Sho	OK	
168.00	312.76	-67.99	EZ Sho	OK		219.00	315.08	-67.45	EZ Sho	OK	
270.00	315.90	-66.66	EZ Sho	OK		321.00	316.44	-66.22	EZ Sho	OK	
372.00	316.97	-65.96	EZ Sho	OK		423.00	317.15	-65.76	EZ Sho	OK	
474.00	317.04	-65.19	EZ Sho	OK		525.00	319.93	-64.80	EZ Sho	OK	
576.00	317.60	-63.61	EZ Sho	OK		600.00	320.97	-63.25	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	9.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, scattered dark grey chloritic and carbonatized zones no wider than 20 cm @ 30 to 40 DTCA with approx 1 to 2% disseminated py	KL018886	0.00	1.00	1.00	0.00
			KL018887	1.00	2.00	1.00	0.00
			KL018888	2.00	3.00	1.00	0.00
			KL018889	3.00	4.00	1.00	0.00
			KL018891	4.00	5.00	1.00	0.00
			KL018892	5.00	6.00	1.00	0.00
			KL018893	6.00	7.00	1.00	0.00
			KL018894	7.00	8.00	1.00	0.00
			KL018895	8.00	9.00	1.00	0.00
			KL018896	9.00	9.70	0.70	0.00
9.70	10.90	GRD_CB, Granodiorite - Carbonatized (Melkior) variably greyish green, chloritic, epidotitic, carbonaceous and slightly potassic, @ 10.4 5 cm qtz-tourmaline vn @ 50 DTCA, tr sul, @ 10.7 patch of cpy, approx 2 to 3% disseminated py throughout, locally fractured with fractures parallel to CA	KL018897	9.70	10.40	0.70	0.00
			KL018898	10.40	10.90	0.50	0.01

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
10.90	67.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, scattered dark grey chloritic and carbonatized zones up to 50 CM in width @ 40 to 50 DTCA, @ 16.3 6 cm white barren qtz vn perpendicular to CA, @ 18 meters 10 cm white barren qtz vn rimmed with carbonate perpendicular to CA, @ 24.1 patch of cpy within 3 cm "grey zone" @ 50 DTCA, from 28.1 to 29 fractured grey zone with approx 1 to 2% disseminated py and fractures subparallel to CA, @ 32.95 cluster of approx 10 to 12% subhedral py along chloritic and carbonaceous microfracture @ 30 DTCA, @ 45.5 approx 2 to 3% scattered blebby and subhedral py, @ 50 meters 3 cm grey zone @ 50 DTCA with 3 to 4% scattered subhedral py, @ 57.45 fractured surface @ 60 DTCA with 3 to 4% scattered subhedral py localized along fracture	KL018899	10.90	12.00	1.10	0.00
			KL018901	12.00	13.00	1.00	0.00
			KL018902	13.00	14.00	1.00	0.00
			KL018903	14.00	15.00	1.00	0.00
			KL018904	15.00	16.00	1.00	0.00
			KL018905	16.00	17.00	1.00	0.00
			KL018906	17.00	18.00	1.00	0.00
			KL018907	18.00	19.00	1.00	0.00
			KL018908	23.00	24.00	1.00	0.00
			KL018909	24.00	24.50	0.50	0.06
			KL018911	24.50	25.00	0.50	0.04
			KL018912	25.00	26.00	1.00	0.01
			KL018913	26.00	27.00	1.00	0.01
			KL018914	27.00	28.00	1.00	0.01
			KL018915	28.00	29.00	1.00	0.01
			KL018916	29.00	30.00	1.00	0.01
			KL018917	30.00	31.00	1.00	0.01
			KL018918	31.00	32.00	1.00	0.01
			KL018919	32.00	32.50	0.50	0.01
			KL018921	32.50	33.00	0.50	0.03
			KL018922	33.00	34.00	1.00	0.01
		KL018923	45.00	46.00	1.00	0.00	
		KL018924	46.00	47.00	1.00	0.00	
		KL018925	47.00	48.00	1.00	0.00	
		KL018926	48.00	49.00	1.00	0.00	
		KL018927	49.00	49.50	0.50	0.03	
		KL018928	49.50	50.00	0.50	0.01	
		KL018929	50.00	51.00	1.00	0.00	
		KL018931	66.00	67.20	1.20	0.00	
67.20	69.15	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish green, chloritic, carbonaceous, slightly potassic and epidotitic, glomeroporphyritic texture, scattered carbonate sts and vnt' @ 30 to 40 DTCA, approx 2 to 3% disseminated py, gradational HW ct perpendicular to CA, FW ct @ 40 DTCA	KL018932	67.20	67.70	0.50	0.01
			KL018933	67.70	68.50	0.80	0.00
			KL018934	68.50	69.15	0.65	0.01
69.15	74.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, @ 70.4 10 cm pink porphyritic dike @ 30 DTCA within chloritized and carbonatized alteration halo, approx 2 to 3% disseminated and blebby py, from 72.7 to 73.1 dark grey-green mafic dike with fractured ct' @ 30 DTCA, tr sul, irregular FW ct @ 40 DTCA	KL018935	69.15	70.00	0.85	0.00
			KL018936	70.00	71.00	1.00	0.00
			KL018937	71.00	72.00	1.00	0.00
			KL018938	72.00	73.10	1.10	0.00
			KL018939	73.10	74.00	0.90	0.02

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
74.00	75.60	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish green, chloritic, carbonaceous, slightly potassic and epidotitic, glomeroporphyritic texture, from 74.5 to 74.7 reddish pink slightly sheared porphyritic dike with dark green chloritic xenolith @ 30 DTCA, approx 3 to 4% scattered subhedral py xl' throughout unit, irregular FW ct @ 60 DTCA	KL018941	74.00	74.50	0.50	0.00
			KL018942	74.50	75.00	0.50	0.01
			KL018943	75.00	76.10	1.10	0.00
75.60	91.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, scattered dark grey carbonatized and chloritic zones no wider than 20 cm, scattered dark green chloritic xenoliths, approx 1 to 2% disseminated py throughout unit, gradational FW ct @ 40 DTCA	KL018944	76.10	77.00	0.90	0.00
			KL018945	77.00	78.00	1.00	0.00
			KL018946	78.00	79.00	1.00	0.00
			KL018947	79.00	80.00	1.00	0.00
			KL018948	80.00	81.00	1.00	0.00
			KL018949	81.00	82.00	1.00	0.01
			KL018951	89.00	90.00	1.00	0.00
			KL018952	90.00	90.50	0.50	0.00
			KL018953	90.50	91.30	0.80	0.00
91.30	92.50	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish green, chloritic, carbonaceous, slightly potassic and epidotitic, glomeroporphyritic texture, approx 2 to 3% disseminated and blebby py, gradational FW ct perpendicular to CA	KL018954	91.30	92.00	0.70	0.01
			KL018955	92.00	92.50	0.50	0.01
92.50	97.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, irregular FW ct perpendicular to CA	KL018956	92.50	93.00	0.50	0.00
			KL018957	93.00	94.00	1.00	0.01
			KL018958	94.00	95.00	1.00	0.00
			KL018959	95.00	96.00	1.00	0.00
			KL018961	96.00	97.00	1.00	0.01
			KL018962	97.00	97.90	0.90	0.00
97.90	105.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, hornblende and blue qtz eyes, glomeroporphyritic texture, sausseritization, approx 1 to 2% disseminated py	KL018963	97.90	99.00	1.10	0.01
			KL018964	99.00	100.00	1.00	0.01
			KL018965	100.00	101.00	1.00	0.02
			KL018966	105.00	105.80	0.80	0.00
105.80	113.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, irregular FW ct perpendicular to CA, scattered qtz-chl-carb infilled fractures @ 40 to 50 DTCA	KL018967	105.80	106.50	0.70	0.43
			KL018968	106.50	107.00	0.50	0.01
			KL018969	107.00	107.50	0.50	0.01
			KL018971	107.50	108.00	0.50	0.01
			KL018972	113.00	113.80	0.80	0.01
113.80	116.00	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly potassic, interstitial blue qtz eyes, glomeroporphyritic texture, fractured FW ct with fractures subparallel to CA, approx 1 to 2% disseminated py	KL018973	113.80	114.50	0.70	0.01
			KL018974	114.50	115.00	0.50	0.02
			KL018975	115.00	116.00	1.00	0.01

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
116.00	125.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, irregular FW ct perpendicular to CA, scattered qtz-chl-carb infilled fractures @ 40 to 50 DTCA, occasional chloritic xenoliths	KL018976	116.00	117.00	1.00	0.01
			KL018977	117.00	118.00	1.00	0.00
			KL018978	118.00	119.00	1.00	0.00
			KL018979	119.00	120.00	1.00	0.01
			KL018981	120.00	121.00	1.00	0.00
			KL018982	121.00	121.50	0.50	0.00
			KL018983	121.50	122.00	0.50	0.03
			KL018984	122.00	123.00	1.00	0.01
			KL018985	123.00	124.00	1.00	0.01
			KL018986	124.00	125.20	1.20	0.00
125.20	127.30	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly potassic, interstitial blue qtz eyes, glomeroporphyritic texture, HW and FW ct' @ 70 and 60 DTCA respectively, approx 1 to 2% disseminated py	KL018987	125.20	126.00	0.80	0.01
			KL018988	126.00	126.50	0.50	0.01
			KL018989	126.50	127.30	0.80	0.01
127.30	137.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, irregular FW ct perpendicular to CA, scattered qtz-chl-carb infilled fractures @ 30 to 40 DTCA, occasional chloritic xenoliths	KL018991	127.30	128.00	0.70	0.01
			KL018992	133.00	134.00	1.00	0.00
			KL018993	134.00	135.00	1.00	0.00
			KL018994	135.00	136.00	1.00	0.00
			KL018995	136.00	137.00	1.00	0.00
			KL018996	137.00	137.50	0.50	0.01
137.50	142.50	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly epidotitic, interstitial blue qtz eyes, glomeroporphyritic texture, irregular HW and FW ct' @ 70 DTCA, approx 1 to 2% disseminated py	KL018997	137.50	138.00	0.50	0.01
			KL018998	138.00	139.00	1.00	0.00
			KL018999	139.00	140.00	1.00	0.00
			KL019001	140.00	141.00	1.00	0.02
			KL019002	141.00	142.00	1.00	0.01
			KL019003	142.00	142.50	0.50	0.00
142.50	150.50	MI, Melkior - Mafic Intrusive light grey, chloritic, siliceous, locally sericitic, massive, homogeneous, fine grained to aphanitic, more of an intermediate dike, HW and FW ct' @ 40 DTCA, slightly sheared ct', approx 2 to 3% blebby and scattered clots of py	KL019004	142.50	143.00	0.50	0.01
			KL019005	143.00	144.00	1.00	0.03
			KL019006	149.00	150.00	1.00	0.00
			KL019007	150.00	150.50	0.50	0.00
150.50	158.40	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, hornblende and blue qtz eyes, glomeroporphyritic texture, sausseritization, approx 1 to 2% disseminated py, fractured FW ct @ 35 DTCA	KL019008	150.50	151.00	0.50	0.03
			KL019009	151.00	152.00	1.00	0.01
			KL019011	158.00	158.40	0.40	0.00
158.40	164.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey to black, strongly chloritic and carbonaceous, stronger hornblende content mottled with white plagioclase, slightly potassic and silicified, approx 1 to 2% disseminated py, fractured FW ct @ 40 DTCA	KL019012	158.40	159.00	0.60	0.01
			KL019013	159.00	160.00	1.00	0.00
			KL019014	160.00	161.00	1.00	0.00
			KL019015	161.00	162.00	1.00	0.00
			KL019016	162.00	163.00	1.00	0.01
			KL019017	163.00	163.50	0.50	0.00
			KL019018	163.50	164.20	0.70	0.01

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
164.20	165.80	QFP, QUARTZ FELDSPAR PORPHYRY light grey to buff, siliceous, slightly potassic and sericitic, massive, homogeneous, networks of microfractures infilled with carbonate, approx 1 to 2% disseminated py, diffuse FW ct @ 50 DTCA	KL019019	164.20	165.00	0.80	0.01
			KL019021	165.00	165.80	0.80	0.01
165.80	189.00	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly epidotitic and potassic, interstitial blue Qtz eyes, glomeroporphyritic texture, approx 2 to 3% disseminated and localized clusters of blebby subhedral py notably @ 183.9 and 188 meters, gradational alteration FW ct perpendicular to CA	KL019022	165.80	167.00	1.20	0.00
			KL019023	167.00	168.00	1.00	0.00
			KL019024	171.00	172.00	1.00	0.01
			KL019025	172.00	173.00	1.00	0.01
			KL019026	173.00	174.00	1.00	0.02
			KL019027	174.00	175.00	1.00	0.00
			KL019028	175.00	176.00	1.00	0.00
			KL019029	176.00	177.00	1.00	0.00
			KL019031	177.00	178.00	1.00	0.00
			KL019032	178.00	179.00	1.00	0.00
			KL019033	179.00	180.00	1.00	0.00
			KL019034	180.00	181.00	1.00	0.00
			KL019035	181.00	182.00	1.00	0.01
			KL019036	182.00	183.00	1.00	0.01
			KL019037	183.00	184.00	1.00	0.00
			KL019038	184.00	185.00	1.00	0.01
			KL019039	185.00	186.00	1.00	0.00
			KL019041	186.00	187.00	1.00	0.00
			KL019042	187.00	187.50	0.50	0.01
			KL019043	187.50	188.00	0.50	0.00
			KL019044	188.00	189.00	1.00	0.01
189.00	201.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, abundant dark grey carbonatized zones up to 40 cm in width, @ 194.30 cm grey zone with approx 10 to 12% localized clusters of subhedral py @ 194 and 194.2 meters, @ 194.8 6 cm grey zone @ 40 DTCA with approx 4 to 5% disseminated and blebby py, @ 196.3 3 cm carbonatized grey zone perpendicular to CA with approx 4 to 5% disseminated and blebby py, from 197.5 to 197.9 grey zone perpendicular to CA with approx 12 to 15% clusters of subhedral py notably @ 197.6, 197.7 and 197.9 meters occurring within 1 cm carb sts @ 50 DTCA, irregular gradational FW ct perpendicular to CA	KL019045	189.00	190.00	1.00	0.00
			KL019046	190.00	191.00	1.00	0.01
			KL019047	191.00	192.00	1.00	0.00
			KL019048	192.00	193.00	1.00	0.01
			KL019049	193.00	193.50	0.50	0.01
			KL019051	193.50	194.00	0.50	0.04
			KL019052	194.00	195.00	1.00	0.01
			KL019053	195.00	196.00	1.00	0.00
			KL019054	196.00	196.50	0.50	0.01
			KL019055	196.50	197.00	0.50	0.01
			KL019056	197.00	197.60	0.60	0.19
			KL019057	197.60	198.10	0.50	0.06
			KL019058	198.10	199.00	0.90	0.12
			KL019059	199.00	200.00	1.00	0.47
			KL019061	200.00	201.00	1.00	0.01
			KL019062	201.00	201.90	0.90	0.00

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
201.90	209.70	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly epidotitic and potassic, interstitial blue qtz eyes, glomeroporphyritic texture, approx 2 to 3% disseminated py, from 206 to 209.7 moderately foliated slightly sheared with foliation @ 40 DTCA, from 207 to 207.7 chloritic mafic interval @ 40 DTCA, possible mafic xenolith, gradational FW ct perpendicular to CA	KL019063	201.90	203.00	1.10	0.24
			KL019064	203.00	204.00	1.00	0.01
			KL019065	204.00	205.00	1.00	0.00
			KL019066	205.00	206.00	1.00	0.00
			KL019067	206.00	207.00	1.00	0.00
			KL019068	207.00	208.00	1.00	0.00
			KL019069	208.00	209.00	1.00	0.01
			KL019071	209.00	209.70	0.70	0.01
209.70	219.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, scattered dark grey carbonatized zones up to 10 cm in width, approx 1 to 2% disseminated py locally	KL019072	209.70	210.30	0.60	0.00
			KL019073	210.30	211.00	0.70	0.00
			KL019074	218.00	219.20	1.20	0.00
219.20	222.70	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly epidotitic and potassic, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py	KL019075	219.20	220.00	0.80	0.01
			KL019076	220.00	221.00	1.00	0.00
			KL019077	221.00	222.00	1.00	0.00
			KL019078	222.00	222.70	0.70	0.00
222.70	240.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, scattered dark grey carbonatized zones up to 10 cm in width, approx 1 to 2% disseminated py locally	KL019079	222.70	223.20	0.50	0.00
			KL019081	223.20	224.00	0.80	0.02
			KL019082	238.00	239.00	1.00	0.00
			KL019083	239.00	240.00	1.00	0.00
240.00	241.80	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly epidotitic and potassic, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py	KL019084	240.00	241.00	1.00	0.00
			KL019085	241.00	241.80	0.80	0.00
241.80	259.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, slightly epidotitic, interstitial white calcite and blue qtz eyes throughout, locally hematitic, approx 3 to 4% localized clusters of subhedral py notably @ 244.3 to 244.4 and 246.8 with cluster of disseminated and subhedral py @ 50 DTCA	KL019086	241.80	243.00	1.20	0.00
			KL019087	243.00	244.00	1.00	0.00
			KL019088	244.00	244.50	0.50	0.00
			KL019089	244.50	245.00	0.50	0.00
			KL019091	245.00	246.00	1.00	0.00
			KL019092	246.00	246.50	0.50	0.00
			KL019093	246.50	247.00	0.50	0.21
			KL019094	247.00	248.00	1.00	0.00
			KL019095	256.00	257.00	1.00	0.00
			KL019096	257.00	258.00	1.00	0.00
			KL019097	258.00	258.50	0.50	0.00
			KL019098	258.50	259.30	0.80	0.00
259.30	267.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, scattered dark grey carbonatized zones up to 10 cm in width, approx 1 to 2% disseminated py locally,	KL019099	259.30	260.00	0.70	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
267.70	271.90	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, hornblende and blue qtz eyes, glomeroporphyritic texture, sausseritization, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA					
271.90	276.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, scattered dark grey carbonatized zones up to 10 cm in width, approx 1 to 2% disseminated py locally, gradational FW ct @ 70 DTCA					
276.20	283.90	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, slightly epidotitic, interstitial blue qtz eyes throughout, abundant carbonate indilled microfractures parallel to CA, approx 1 to 2% disseminated py	KL019151	276.20	277.00	0.80	0.00
			KL019152	277.00	278.00	1.00	0.00
			KL019153	278.00	279.00	1.00	0.00
			KL019154	279.00	280.00	1.00	0.00
			KL019155	280.00	281.00	1.00	0.00
			KL019156	281.00	282.00	1.00	0.00
			KL019157	282.00	283.00	1.00	0.00
			KL019158	283.00	283.90	0.90	0.02
283.90	288.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, gradational FW ct @ 60 DTCA	KL019159	283.90	285.00	1.10	0.00
288.30	289.70	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, slightly epidotitic, interstitial blue qtz eyes throughout, abundant carbonate indilled microfractures parallel to CA, approx 1 to 2% disseminated py, gradational FW ct @ 60 DTCA	KL019161	288.30	289.00	0.70	0.00
			KL019162	289.00	289.70	0.70	0.00
289.70	306.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, interstitial hornblende, slightly potassic, glomeroporphyritic texture, interstitial blue quartz eyes throughout unit, approx 1 to 2% disseminated py locally, gradational FW ct @ 70 DTCA, @ 296 appr 6 to 7% cluster of subhedral py localized along carbonate microfracture @ 40 DTCA, gradational FW ct @ 80 DTCA	KL019163	289.70	290.50	0.80	0.00
			KL019164	290.50	291.00	0.50	0.00
			KL019165	291.00	292.00	1.00	0.00
			KL019166	292.00	293.00	1.00	0.00
			KL019167	293.00	294.00	1.00	0.00
			KL019168	294.00	295.00	1.00	0.00
			KL019169	295.00	296.00	1.00	0.00
			KL019171	296.00	296.50	0.50	0.01
			KL019172	296.50	297.00	0.50	0.00
			KL019173	297.00	298.00	1.00	0.00
			KL019174	304.00	305.00	1.00	0.00
			KL019175	305.00	306.10	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
306.10	315.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey green, chloritic, slightly carbonaceous and epidotitic, speckled with sausserite, approx 2 to 3% finely disseminated py, slightly sheared FW ct @ 50 DTCA	KL019176	306.10	307.00	0.90	0.00
			KL019177	307.00	308.00	1.00	0.00
			KL019178	308.00	309.00	1.00	0.00
			KL019179	309.00	310.00	1.00	0.00
			KL019181	310.00	311.00	1.00	0.00
			KL019182	311.00	312.00	1.00	0.00
			KL019183	312.00	313.00	1.00	0.01
			KL019184	313.00	314.00	1.00	0.00
			KL019185	314.00	315.00	1.00	0.00
			KL019186	315.00	315.60	0.60	0.02
315.60	320.90	QFP, QUARTZ FELDSPAR PORPHYRY light grey green, siliceous, sericitic, fine grained to aphanitic, massive, homogeneous, approx 4 to 5% disseminated and localized clusters of subhedral py notably @ 316.3, 317 and 318.6 occurring within carbonate microfractures oriented @ 30 to 40 DTCA, @ 318.6 approx 12 to 15% cluster of subhedral py, fractured FW ct @ 40 DTCA	KL019187	315.60	316.20	0.60	0.00
			KL019188	316.20	317.00	0.80	0.07
			KL019189	317.00	317.50	0.50	0.29
			KL019191	317.50	318.00	0.50	0.21
			KL019192	318.00	318.60	0.60	0.01
			KL019193	318.60	319.20	0.60	0.38
			KL019194	319.20	320.00	0.80	0.18
			KL019195	320.00	320.90	0.90	0.03
320.90	329.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white comprised of interstitial sericitized plagioclase, hornblende and blue qtz eyes, glomeroporphyritic texture, @ 324.7 3 cm grey qtz vn @ 20 DTCA with approx 20 to 25% cluster of subhedral py, @ 325.7 2 cm patch of cpy, @ 326.4 2 cm grey qtz vnt @ 40 DTCA with approx 10 to 12% cluster of subhedral py, @ 327.6 1 cm grey qtz vnt @ 40 DTCA with approx 12 to 15% cluster of subhedral py, shp FW ct @ 60 DTCA	KL019196	320.90	322.00	1.10	0.01
			KL019197	322.00	323.00	1.00	0.01
			KL019198	323.00	324.00	1.00	0.03
			KL019199	324.00	324.50	0.50	0.05
			KL019201	324.50	325.00	0.50	4.42
			KL019202	325.00	325.50	0.50	0.03
			KL019203	325.50	326.00	0.50	0.09
			KL019204	326.00	326.50	0.50	0.54
			KL019205	326.50	327.00	0.50	0.01
			KL019206	327.00	327.50	0.50	0.00
			KL019207	327.50	328.00	0.50	0.43
			KL019208	328.00	328.50	0.50	0.00
			KL019209	328.50	329.20	0.70	0.10
329.20	331.30	QFP, QUARTZ FELDSPAR PORPHYRY light grey green, siliceous, sericitic, fine grained to aphanitic, massive, homogeneous, approx 8 to 10% disseminated and localized clusters of subhedral py, between 329.5 to 330.5 abundant approx 10 to 12% localized vnt' @ 50 DTCA with approx 12 to 15% clusters of subhedral py @ 329.7 3 cm grey qtz vnt @ 50 DTCA with approx 20 to 25% cluster of subhedral py, sheared FW ct @ 50 DTCA	KL019211	329.20	329.70	0.50	0.71
			KL019212	329.70	330.20	0.50	18.30
			KL019213	330.20	330.70	0.50	1.25
			KL019214	330.70	331.30	0.60	0.07
331.30	334.90	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, patchy and streaks of hematite throughout, extremely pitted and vuggy core, approx 3 to 4% localized clusters of subhedral py notably @ 331.9 @ 50 DTCA sheared fractured FW ct @ 50 DTCA	KL019215	331.30	332.00	0.70	0.06
			KL019216	332.00	333.00	1.00	0.01
			KL019217	333.00	334.00	1.00	0.01
			KL019218	334.00	334.90	0.90	0.02

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
334.90	338.30	FZ, Fault Zone pinkish orange to locally dark green, protolith comprised of fractured mafic dike from 335.6 to 336.3 meters within weathered, pitted and vuggy potassic and hematitic granodiorite, no fault gouge but extremely fractured with fractures predominantly oriented @ 50 to 60 DTCA, approx 1 to 2% disseminated py					
338.30	342.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, patchy and streaks of hematite throughout, extremely pitted and vuggy core, abundant interstitial blue qtz eyes, 15 cm broken rubble @ 341 meters, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
342.30	351.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish creamy white to locally burgandy red comprised of interstitial sericitized plagioclase, hornblende and interstitial blue qtz eyes with abundant streaks and patched of hematite notably from 343.3 to 347.4, glomeroporphyritic texture, @ 346.2 2 cm white mineral qtz vnt @ 50 DTCA with approx 12 to 15% clustered subhedral py along vn ct', @ 347.4 approx 4 to 5% cluster of subhedral py along microfracture @ 40 DTCA, @ 348.2, 349, and 349.3 segregated clusters of approx 6 to 8% subhedral py along microfractures @ 40 to 50 DTCA, gradational FW ct @ 70 DTCA	KL019219	342.30	343.00	0.70	0.09
			KL019221	343.00	344.00	1.00	0.05
			KL019222	344.00	345.00	1.00	2.08
			KL019223	345.00	346.00	1.00	0.04
			KL019224	346.00	346.50	0.50	2.28
			KL019225	346.50	347.00	0.50	0.06
			KL019226	347.00	347.50	0.50	0.30
			KL019227	347.50	348.00	0.50	0.01
			KL019228	348.00	348.50	0.50	0.13
			KL019229	348.50	349.00	0.50	0.02
			KL019231	349.00	349.50	0.50	0.54
			KL019232	349.50	350.00	0.50	0.01
			KL019233	350.00	350.50	0.50	0.02
			KL019234	350.50	351.20	0.70	0.45
351.20	355.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, extremely pitted and vuggy core, glomeroporphyritic texture, tr sul, fractured FW ct perpendicular to CA	KL019235	351.20	352.00	0.80	0.01
355.80	359.70	FZ, Fault Zone burgandy red, extremely fractured, protolith appears to be weathered and leached hematitic granodiorite, fractures oriented @ 50 DTCA, tr sul					
359.70	364.70	MD, Mafic Dyke variably burgandy red to dark green, locally hematitic and chloritic, massive, fine grained, locally fractured, approx 2 to 3% disseminated py throughout unit, shp FW ct perpendicular to CA	KL019236	359.70	360.50	0.80	0.02
			KL019237	360.50	361.00	0.50	0.26
			KL019238	361.00	362.00	1.00	0.05
			KL019239	362.00	363.00	1.00	0.30
			KL019241	363.00	364.00	1.00	0.65
			KL019242	364.00	364.70	0.70	0.71
364.70	368.40	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, extremely pitted and vuggy core, glomeroporphyritic texture, tr sul, from 367.4 to 368.4 extremely fractured core, tr sul, shp FW ct perpendicular to CA					

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
368.40	425.30	QFP, QUARTZ FELDSPAR PORPHYRY creamy white to grey-green, fine grained, massive, homogeneous, from 368.4 to 369.8 unit creamy white pitted and albitic with approx 4 to 5% scattered clots of py, from 369.8 to 380 chloritic, siliceous, massive with scattered white qtz vnt' and vn' oriented @ 50 to 60 DTCA, @ 373.2 2 2 cm white qtz vnt' @ 50 DTCA with approx 4 to 5% subhedral py, @ 373.5 4 cm white qtz vn @ 50 DTCA along fracture with 8 to 10% cluster of subhedral py, @ 373.8 and 373.9 2 clusters of approx 8 to 10% subhedral py within microfractures @ 50 DTCA, from 374.7 to 374.9 20 cm barren white qtz vn @ 40 DTCA, @ 379.2 2 cm white qtz vnt @ 40 DTCA with approx 8 to 10% cluster of subhedral py localized along vnt ct', from 382 to 393.7 light green, siliceous, sericitic, massive and aphanitic, approx 3 to 4% segregated clusters of subhedral py notably @ 387.4 and 388.5 meters both consist of approx 6 to 8% clusters of subhedral py within microfractures @ 40 DTCA, from 393.7 to 423.2 grey-green, medium grained, mottled with sericitized albitic clasts, approx 2 to 3% disseminated and segregated clusters of subhedral py notably @ 401, 407.3 and 413.2 meters comprised of approx 6 to 8% clusters of subhedral py within microfractures @ 40 DTCA, from 423.2 to 425.3 creamy white, aphanitic, slightly pitted with red hematitic patches throughout, approx 2 to 3% scattered pyritic clots, FW ct @ 65 DTCA	KL019243	368.40	369.00	0.60	0.07
			KL019244	369.00	370.00	1.00	0.17
			KL019245	370.00	371.00	1.00	0.59
			KL019246	371.00	372.00	1.00	0.03
			KL019247	372.00	373.00	1.00	0.06
			KL019248	373.00	373.50	0.50	0.51
			KL019249	373.50	374.00	0.50	1.59
			KL019251	374.00	375.00	1.00	0.08
			KL019252	375.00	375.50	0.50	0.30
			KL019253	375.50	376.00	0.50	0.01
			KL019254	376.00	377.00	1.00	0.01
			KL019255	377.00	377.50	0.50	0.01
			KL019256	377.50	378.00	0.50	0.10
			KL019257	378.00	379.00	1.00	0.01
			KL019258	379.00	379.50	0.50	0.07
			KL019259	379.50	380.00	0.50	0.01
			KL019261	380.00	380.50	0.50	1.51
			KL019262	380.50	381.00	0.50	1.14
			KL019263	381.00	382.00	1.00	0.01
			KL019264	382.00	383.00	1.00	0.00
			KL019265	383.00	383.50	0.50	0.01
			KL019266	383.50	384.00	0.50	0.39
			KL019267	384.00	385.00	1.00	0.01
			KL019268	385.00	385.50	0.50	0.30
			KL019269	385.50	386.00	0.50	0.01
			KL019271	386.00	387.00	1.00	0.01
			KL019272	387.00	387.50	0.50	0.13
			KL019273	387.50	388.00	0.50	0.01
			KL019274	388.00	388.50	0.50	0.84
			KL019275	388.50	389.00	0.50	0.01
			KL019276	389.00	390.00	1.00	0.03
			KL019277	390.00	391.00	1.00	0.01
		KL019278	391.00	392.00	1.00	0.01	
		KL019279	392.00	393.00	1.00	0.00	
		KL019281	393.00	394.00	1.00	0.01	
		KL019282	394.00	394.50	0.50	0.01	
		KL019283	394.50	395.00	0.50	0.34	
		KL019284	395.00	395.50	0.50	1.78	
		KL019285	395.50	396.00	0.50	0.88	
		KL019286	396.00	397.00	1.00	0.01	
		KL019287	397.00	397.50	0.50	0.01	
		KL019288	397.50	398.00	0.50	0.92	
		KL019289	398.00	399.00	1.00	0.01	

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
			KL019291	399.00	400.00	1.00	0.49
			KL019292	400.00	401.00	1.00	0.02
			KL019293	401.00	401.50	0.50	0.01
			KL019294	401.50	402.00	0.50	0.01
			KL019295	402.00	403.00	1.00	0.00
			KL019296	403.00	404.00	1.00	0.07
			KL019297	404.00	405.00	1.00	0.01
			KL019298	405.00	406.00	1.00	0.00
			KL019299	406.00	407.00	1.00	0.01
			KL019301	407.00	407.50	0.50	0.61
			KL019302	407.50	408.00	0.50	0.01
			KL019303	408.00	409.00	1.00	0.01
			KL019304	409.00	410.00	1.00	0.01
			KL019305	410.00	411.00	1.00	0.02
			KL019306	411.00	412.00	1.00	0.02
			KL019307	412.00	413.00	1.00	0.00
			KL019308	413.00	413.50	0.50	0.08
			KL019309	413.50	414.00	0.50	0.00
			KL019311	414.00	414.50	0.50	0.00
			KL019312	414.50	415.00	0.50	2.12
			KL019313	415.00	416.00	1.00	1.05
			KL019314	416.00	416.50	0.50	0.08
			KL019315	416.50	417.00	0.50	0.08
			KL019316	417.00	418.00	1.00	0.00
			KL019317	418.00	418.50	0.50	0.01
			KL019318	418.50	419.00	0.50	0.69
			KL019319	419.00	420.00	1.00	0.01
			KL019321	420.00	421.00	1.00	0.27
			KL019322	421.00	422.00	1.00	0.03
			KL019323	422.00	423.00	1.00	1.27
			KL019324	423.00	424.00	1.00	0.14
			KL019325	424.00	424.50	0.50	0.79
			KL019326	424.50	425.30	0.80	0.49
425.30	429.00	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, interstitial calcite, glomeroporphyritic texture, tr sul,					
429.00	431.50	FZ, Fault Zone burgandy red, hematitic, interstitial calcite, glomeroporphyritic texture, tr sul, broken, pitted and crumbled core with fractures subparallel to CA, tr sul					
431.50	463.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic, slightly potassic, interstitial calcite, glomeroporphyritic texture, tr sul, shp FW ct perpendicular to CA	KL019327	447.00	448.00	1.00	0.01
			KL019328	448.00	449.00	1.00	0.00
			KL019329	449.00	450.00	1.00	0.01
			KL019331	462.00	463.00	1.00	0.00
			KL019332	463.00	463.80	0.80	0.00

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
463.80	543.70	<p>BaFBx, Melkior - Basalt Flow Breccia</p> <p>dark green, chloritic, locally sericitic, scattered hyaloclastite, from 463.8 to 474 scattered hematitic granodioritic clasts and xenoliths up to 70 cm in width, from 475.5 to 475.9 banded iron formation with hematitic and carbonate banding @ 70 DTCA and approx 4 to 5% scattered subhedral py, @ 479 meters cluster of approx 4 to 5% subhedral py within microfracture @ 60 DTCA, from 478 to 482 strongly sericitized and silicified brecciated interval with 1 to 2% disseminated py and moderately foliated with foliation subparallel to CA, from 495 to 497.3 meters approx 4 to 5% disseminated and scattered clusters of subhedral py, from 498 to 506 approx 3 to 4% scattered subhedral and disseminated py, from 504.6 to 504.7 approx 7 to 8% patchy py, from 508.4 to 509.5 fractured blocky core with fractures @ 40 to 50 DTCA, @ 515.83 7 cm qv @ 50 DTCA with approx 70 to 80% columnar aggregates of py, @ 519.3 white qtz-tourmaline vn @ 30 DTCA with 1 to 2% blebby localized along vn ct', @ 522.23 10 cm qv with HW and FW ct' @ 40 and 50 DTCA respectively, approx 35 to 40% columnar aggregates of py localized along vn FW ct, @ 524.2 2 cm qz vnt @ 30 DTCA with approx 15 to 20% patchy and columnar subhedral py, from 524.6 to 525.2 buff dolomitic porphyritic dike with HW and FW ct' @ 45 and 35 DTCA respectively, approx 2 to 3% subhedral py localized at dike FW ct, @ @ 525.3 4 cm white qv @ 40 DTCA with approx 12 to 15% patchy subhedral py, @ 533.4 approx 4 to 5% localized patchy py</p>	KL019333	463.80	464.50	0.70	0.01	
				KL019334	464.50	465.00	0.50	0.00
				KL019335	465.00	466.00	1.00	0.04
				KL019336	466.00	467.00	1.00	0.01
				KL019337	467.00	468.00	1.00	0.03
				KL019338	468.00	469.00	1.00	0.01
				KL019339	469.00	470.00	1.00	0.01
				KL019341	470.00	471.00	1.00	0.01
				KL019342	471.00	472.00	1.00	0.02
				KL019343	472.00	473.00	1.00	0.03
				KL019344	473.00	474.00	1.00	0.03
				KL019345	474.00	475.00	1.00	0.02
				KL019346	475.00	476.00	1.00	0.02
				KL019347	476.00	477.00	1.00	0.03
				KL019348	477.00	478.00	1.00	0.02
				KL019349	478.00	478.50	0.50	0.01
				KL019351	478.50	479.00	0.50	0.01
				KL019352	479.00	480.00	1.00	0.01
				KL019353	480.00	481.00	1.00	0.01
				KL019354	481.00	482.00	1.00	0.01
				KL019355	482.00	483.00	1.00	0.01
				KL019356	494.00	495.00	1.00	0.01
				KL019357	495.00	496.00	1.00	0.01
				KL019358	496.00	497.00	1.00	0.00
				KL019359	497.00	498.00	1.00	0.00
				KL019361	498.00	499.00	1.00	0.00
				KL019362	499.00	500.00	1.00	0.01
				KL019363	500.00	501.00	1.00	0.00
				KL019364	501.00	501.50	0.50	0.01
				KL019365	501.50	502.00	0.50	0.01
			KL019366	502.00	502.50	0.50	0.01	
			KL019367	502.50	503.00	0.50	0.01	
			KL019368	503.00	504.00	1.00	0.01	
			KL019369	504.00	505.00	1.00	0.01	
			KL019371	505.00	506.00	1.00	0.01	
			KL019372	506.00	507.00	1.00	0.03	
			KL019373	507.00	508.00	1.00	0.01	
			KL019374	508.00	509.00	1.00	0.01	
			KL019375	509.00	510.00	1.00	0.00	
			KL019376	510.00	511.00	1.00	0.01	
			KL019377	511.00	512.00	1.00	0.72	
			KL019378	512.00	513.00	1.00	0.08	
			KL019379	513.00	514.00	1.00	0.03	

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL019381	514.00	515.00	1.00	0.01
			KL019382	515.00	515.50	0.50	0.00
			KL019383	515.50	516.00	0.50	8.49
			KL019384	516.00	517.00	1.00	0.07
			KL019385	517.00	518.00	1.00	0.05
			KL019386	518.00	519.00	1.00	0.02
			KL019387	519.00	520.00	1.00	0.01
			KL019388	520.00	521.00	1.00	0.01
			KL019389	521.00	522.00	1.00	0.01
			KL019391	522.00	522.50	0.50	8.10
			KL019392	522.50	523.00	0.50	0.09
			KL019393	523.00	523.50	0.50	0.04
			KL019394	523.50	524.00	0.50	0.22
			KL019395	524.00	524.50	0.50	1.32
			KL019396	524.50	525.00	0.50	0.01
			KL019397	525.00	525.50	0.50	8.49
			KL019398	525.50	526.00	0.50	0.06
			KL019399	526.00	527.00	1.00	0.03
			KL019401	527.00	528.00	1.00	0.02
			KL019402	528.00	529.00	1.00	0.00
			KL019403	529.00	530.00	1.00	0.00
			KL019404	530.00	531.00	1.00	0.00
			KL019405	531.00	532.00	1.00	0.01
			KL019406	532.00	533.00	1.00	0.01
			KL019407	533.00	533.50	0.50	0.07
			KL019408	533.50	534.00	0.50	0.02
			KL019409	534.00	535.00	1.00	0.01
			KL019411	535.00	536.00	1.00	0.01
			KL019412	536.00	537.00	1.00	0.01
			KL019413	537.00	538.00	1.00	0.01
			KL019414	538.00	539.00	1.00	0.08
			KL019415	539.00	540.00	1.00	0.01
			KL019416	540.00	541.00	1.00	0.02
			KL019417	541.00	542.00	1.00	0.01
			KL019418	542.00	543.00	1.00	0.02
			KL019419	543.00	543.70	0.70	0.01
543.70	544.90	QV, Quartz Vein dark grey quartz vein with dark chloritic banding @ 50 DTCA, patchy yellow sericitic flakes throughout, approx 12 to 15% segregated clusters of subhedral py aligned parallel to chloritic banding @ 50 DTCA, approx 5 to 6% patchy yellow and red sphalerite throughout vn, shp HW and FW ct' @ 70 and 50 DTCA	KL019421	543.70	544.30	0.60	0.05
			KL019422	544.30	544.90	0.60	0.03

DETAILED LOG

Hole Number: **CAR-22-25**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
544.90	600.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally sericitic, scattered hyaloclastite, from 544.9 to 553 approx 3 to 4% scattered clusters of subhedral py, from 553 to 560.8 dark green, massive abundant carb vnt' and stst varying in orientation from subparallel to CA to 40 DTCA, approx 1 to 2% disseminated py, from 560.8 to 572 light green, chloritic, sericitic, epidotitic brecciated hyaloclastite, approx 2 to 3% scattered clusters of subhedral py, from 572 to 600 dark green to light grey, localized hyaloclastite, chloritic with intercalated siliceous and carbonaceous intervals, approx 2 to 3% scattered clusters of subhedral py, 600 meters EOH	KL019423	544.90	546.00	1.10	0.01
			KL019424	546.00	547.00	1.00	0.00
			KL019425	547.00	548.00	1.00	0.00
			KL019426	548.00	549.00	1.00	0.00
			KL019427	549.00	550.00	1.00	0.00
			KL019428	550.00	551.00	1.00	0.04
			KL019429	551.00	552.00	1.00	0.02
			KL019431	552.00	553.00	1.00	0.10
			KL019432	553.00	554.00	1.00	0.01
			KL019433	563.00	564.00	1.00	0.00
			KL019434	564.00	565.00	1.00	0.00
			KL019435	565.00	566.00	1.00	0.00
			KL019436	570.00	571.00	1.00	0.00
			KL019437	571.00	572.00	1.00	0.00
			KL019438	572.00	573.00	1.00	0.00
			KL019439	573.00	574.00	1.00	0.01
			KL019441	579.00	580.00	1.00	0.01
			KL019442	580.00	581.00	1.00	0.01
			KL019443	581.00	582.00	1.00	0.00
			KL019444	582.00	583.00	1.00	0.00
			KL019445	583.00	584.00	1.00	0.00
			KL019446	584.00	585.00	1.00	0.00
			KL019447	585.00	586.00	1.00	0.02
			KL019448	595.00	596.00	1.00	0.01
			KL019449	596.00	597.00	1.00	0.37
		KL019451	597.00	598.00	1.00	0.03	
		KL019452	598.00	599.00	1.00	0.01	
		KL019453	599.00	600.00	1.00	0.11	

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018886	0.00	1.00	0.0025
KL018887	1.00	2.00	0.0025
KL018888	2.00	3.00	0.0025
KL018889	3.00	4.00	0.0025
KL018891	4.00	5.00	0.0025
KL018892	5.00	6.00	0.0025
KL018893	6.00	7.00	0.0025
KL018894	7.00	8.00	0.0025
KL018895	8.00	9.00	0.0025
KL018896	9.00	9.70	0.0025

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL018897	9.70	10.40	0.0025
KL018898	10.40	10.90	0.0050
KL018899	10.90	12.00	0.0025
KL018901	12.00	13.00	0.0025
KL018902	13.00	14.00	0.0025
KL018903	14.00	15.00	0.0025
KL018904	15.00	16.00	0.0025
KL018905	16.00	17.00	0.0025
KL018906	17.00	18.00	0.0025
KL018907	18.00	19.00	0.0025
KL018908	23.00	24.00	0.0025
KL018909	24.00	24.50	0.0640
KL018911	24.50	25.00	0.0380
KL018912	25.00	26.00	0.0060
KL018913	26.00	27.00	0.0060
KL018914	27.00	28.00	0.0050
KL018915	28.00	29.00	0.0070
KL018916	29.00	30.00	0.0070
KL018917	30.00	31.00	0.0080
KL018918	31.00	32.00	0.0080
KL018919	32.00	32.50	0.0070
KL018921	32.50	33.00	0.0310
KL018922	33.00	34.00	0.0050
KL018923	45.00	46.00	0.0025
KL018924	46.00	47.00	0.0025
KL018925	47.00	48.00	0.0025
KL018926	48.00	49.00	0.0025
KL018927	49.00	49.50	0.0300
KL018928	49.50	50.00	0.0050
KL018929	50.00	51.00	0.0025
KL018931	66.00	67.20	0.0025
KL018932	67.20	67.70	0.0090
KL018933	67.70	68.50	0.0025
KL018934	68.50	69.15	0.0100
KL018935	69.15	70.00	0.0025
KL018936	70.00	71.00	0.0025
KL018937	71.00	72.00	0.0025
KL018938	72.00	73.10	0.0025
KL018939	73.10	74.00	0.0170

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018941	74.00	74.50	0.0025
KL018942	74.50	75.00	0.0070
KL018943	75.00	76.10	0.0025
KL018944	76.10	77.00	0.0025
KL018945	77.00	78.00	0.0025
KL018946	78.00	79.00	0.0025
KL018947	79.00	80.00	0.0025
KL018948	80.00	81.00	0.0025
KL018949	81.00	82.00	0.0070
KL018951	89.00	90.00	0.0025
KL018952	90.00	90.50	0.0025
KL018953	90.50	91.30	0.0025
KL018954	91.30	92.00	0.0050
KL018955	92.00	92.50	0.0050
KL018956	92.50	93.00	0.0025
KL018957	93.00	94.00	0.0050
KL018958	94.00	95.00	0.0025
KL018959	95.00	96.00	0.0025
KL018961	96.00	97.00	0.0080
KL018962	97.00	97.90	0.0025
KL018963	97.90	99.00	0.0050
KL018964	99.00	100.00	0.0060
KL018965	100.00	101.00	0.0220
KL018966	105.00	105.80	0.0025
KL018967	105.80	106.50	0.4330
KL018968	106.50	107.00	0.0050
KL018969	107.00	107.50	0.0060
KL018971	107.50	108.00	0.0060
KL018972	113.00	113.80	0.0060
KL018973	113.80	114.50	0.0110
KL018974	114.50	115.00	0.0150
KL018975	115.00	116.00	0.0060
KL018976	116.00	117.00	0.0050
KL018977	117.00	118.00	0.0025
KL018978	118.00	119.00	0.0025
KL018979	119.00	120.00	0.0070
KL018981	120.00	121.00	0.0025
KL018982	121.00	121.50	0.0025
KL018983	121.50	122.00	0.0320

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL018984	122.00	123.00	0.0110
KL018985	123.00	124.00	0.0050
KL018986	124.00	125.20	0.0025
KL018987	125.20	126.00	0.0120
KL018988	126.00	126.50	0.0060
KL018989	126.50	127.30	0.0100
KL018991	127.30	128.00	0.0060
KL018992	133.00	134.00	0.0025
KL018993	134.00	135.00	0.0025
KL018994	135.00	136.00	0.0025
KL018995	136.00	137.00	0.0025
KL018996	137.00	137.50	0.0050
KL018997	137.50	138.00	0.0060
KL018998	138.00	139.00	0.0025
KL018999	139.00	140.00	0.0025
KL019001	140.00	141.00	0.0210
KL019002	141.00	142.00	0.0080
KL019003	142.00	142.50	0.0025
KL019004	142.50	143.00	0.0130
KL019005	143.00	144.00	0.0290
KL019006	149.00	150.00	0.0025
KL019007	150.00	150.50	0.0025
KL019008	150.50	151.00	0.0290
KL019009	151.00	152.00	0.0080
KL019011	158.00	158.40	0.0025
KL019012	158.40	159.00	0.0110
KL019013	159.00	160.00	0.0025
KL019014	160.00	161.00	0.0025
KL019015	161.00	162.00	0.0025
KL019016	162.00	163.00	0.0060
KL019017	163.00	163.50	0.0025
KL019018	163.50	164.20	0.0060
KL019019	164.20	165.00	0.0110
KL019021	165.00	165.80	0.0050
KL019022	165.80	167.00	0.0025
KL019023	167.00	168.00	0.0025
KL019024	171.00	172.00	0.0100
KL019025	172.00	173.00	0.0050
KL019026	173.00	174.00	0.0150

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019027	174.00	175.00	0.0025
KL019028	175.00	176.00	0.0025
KL019029	176.00	177.00	0.0025
KL019031	177.00	178.00	0.0025
KL019032	178.00	179.00	0.0025
KL019033	179.00	180.00	0.0025
KL019034	180.00	181.00	0.0025
KL019035	181.00	182.00	0.0100
KL019036	182.00	183.00	0.0050
KL019037	183.00	184.00	0.0025
KL019038	184.00	185.00	0.0090
KL019039	185.00	186.00	0.0025
KL019041	186.00	187.00	0.0025
KL019042	187.00	187.50	0.0050
KL019043	187.50	188.00	0.0025
KL019044	188.00	189.00	0.0050
KL019045	189.00	190.00	0.0025
KL019046	190.00	191.00	0.0050
KL019047	191.00	192.00	0.0025
KL019048	192.00	193.00	0.0090
KL019049	193.00	193.50	0.0050
KL019051	193.50	194.00	0.0390
KL019052	194.00	195.00	0.0060
KL019053	195.00	196.00	0.0025
KL019054	196.00	196.50	0.0070
KL019055	196.50	197.00	0.0070
KL019056	197.00	197.60	0.1890
KL019057	197.60	198.10	0.0590
KL019058	198.10	199.00	0.1170
KL019059	199.00	200.00	0.4660
KL019061	200.00	201.00	0.0070
KL019062	201.00	201.90	0.0025
KL019063	201.90	203.00	0.2400
KL019064	203.00	204.00	0.0050
KL019065	204.00	205.00	0.0025
KL019066	205.00	206.00	0.0025
KL019067	206.00	207.00	0.0025
KL019068	207.00	208.00	0.0025
KL019069	208.00	209.00	0.0130

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL019071	209.00	209.70	0.0060
KL019072	209.70	210.30	0.0025
KL019073	210.30	211.00	0.0025
KL019074	218.00	219.20	0.0025
KL019075	219.20	220.00	0.0090
KL019076	220.00	221.00	0.0025
KL019077	221.00	222.00	0.0025
KL019078	222.00	222.70	0.0025
KL019079	222.70	223.20	0.0025
KL019081	223.20	224.00	0.0210
KL019082	238.00	239.00	0.0025
KL019083	239.00	240.00	0.0025
KL019084	240.00	241.00	0.0025
KL019085	241.00	241.80	0.0025
KL019086	241.80	243.00	0.0025
KL019087	243.00	244.00	0.0025
KL019088	244.00	244.50	0.0025
KL019089	244.50	245.00	0.0025
KL019091	245.00	246.00	0.0025
KL019092	246.00	246.50	0.0025
KL019093	246.50	247.00	0.2080
KL019094	247.00	248.00	0.0025
KL019095	256.00	257.00	0.0025
KL019096	257.00	258.00	0.0025
KL019097	258.00	258.50	0.0025
KL019098	258.50	259.30	0.0025
KL019099	259.30	260.00	0.0025
KL019151	276.20	277.00	0.0025
KL019152	277.00	278.00	0.0025
KL019153	278.00	279.00	0.0025
KL019154	279.00	280.00	0.0025
KL019155	280.00	281.00	0.0025
KL019156	281.00	282.00	0.0025
KL019157	282.00	283.00	0.0025
KL019158	283.00	283.90	0.0200
KL019159	283.90	285.00	0.0025
KL019161	288.30	289.00	0.0025
KL019162	289.00	289.70	0.0025
KL019163	289.70	290.50	0.0025

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019164	290.50	291.00	0.0025
KL019165	291.00	292.00	0.0025
KL019166	292.00	293.00	0.0025
KL019167	293.00	294.00	0.0025
KL019168	294.00	295.00	0.0025
KL019169	295.00	296.00	0.0025
KL019171	296.00	296.50	0.0080
KL019172	296.50	297.00	0.0025
KL019173	297.00	298.00	0.0025
KL019174	304.00	305.00	0.0025
KL019175	305.00	306.10	0.0025
KL019176	306.10	307.00	0.0025
KL019177	307.00	308.00	0.0025
KL019178	308.00	309.00	0.0025
KL019179	309.00	310.00	0.0025
KL019181	310.00	311.00	0.0025
KL019182	311.00	312.00	0.0025
KL019183	312.00	313.00	0.0060
KL019184	313.00	314.00	0.0025
KL019185	314.00	315.00	0.0025
KL019186	315.00	315.60	0.0160
KL019187	315.60	316.20	0.0025
KL019188	316.20	317.00	0.0650
KL019189	317.00	317.50	0.2850
KL019191	317.50	318.00	0.2120
KL019192	318.00	318.60	0.0130
KL019193	318.60	319.20	0.3760
KL019194	319.20	320.00	0.1770
KL019195	320.00	320.90	0.0250
KL019196	320.90	322.00	0.0100
KL019197	322.00	323.00	0.0080
KL019198	323.00	324.00	0.0270
KL019199	324.00	324.50	0.0470
KL019201	324.50	325.00	4.4200
KL019202	325.00	325.50	0.0250
KL019203	325.50	326.00	0.0870
KL019204	326.00	326.50	0.5410
KL019205	326.50	327.00	0.0080
KL019206	327.00	327.50	0.0025

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019207	327.50	328.00	0.4280
KL019208	328.00	328.50	0.0025
KL019209	328.50	329.20	0.1010
KL019211	329.20	329.70	0.7120
KL019212	329.70	330.20	18.3000
KL019213	330.20	330.70	1.2500
KL019214	330.70	331.30	0.0650
KL019215	331.30	332.00	0.0640
KL019216	332.00	333.00	0.0080
KL019217	333.00	334.00	0.0060
KL019218	334.00	334.90	0.0230
KL019219	342.30	343.00	0.0940
KL019221	343.00	344.00	0.0530
KL019222	344.00	345.00	2.0800
KL019223	345.00	346.00	0.0390
KL019224	346.00	346.50	2.2800
KL019225	346.50	347.00	0.0600
KL019226	347.00	347.50	0.2990
KL019227	347.50	348.00	0.0130
KL019228	348.00	348.50	0.1310
KL019229	348.50	349.00	0.0220
KL019231	349.00	349.50	0.5390
KL019232	349.50	350.00	0.0140
KL019233	350.00	350.50	0.0240
KL019234	350.50	351.20	0.4540
KL019235	351.20	352.00	0.0070
KL019236	359.70	360.50	0.0200
KL019237	360.50	361.00	0.2560
KL019238	361.00	362.00	0.0500
KL019239	362.00	363.00	0.2950
KL019241	363.00	364.00	0.6450
KL019242	364.00	364.70	0.7140
KL019243	368.40	369.00	0.0650
KL019244	369.00	370.00	0.1720
KL019245	370.00	371.00	0.5890
KL019246	371.00	372.00	0.0270
KL019247	372.00	373.00	0.0640
KL019248	373.00	373.50	0.5060
KL019249	373.50	374.00	1.5900

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019251	374.00	375.00	0.0780
KL019252	375.00	375.50	0.2960
KL019253	375.50	376.00	0.0110
KL019254	376.00	377.00	0.0070
KL019255	377.00	377.50	0.0050
KL019256	377.50	378.00	0.1030
KL019257	378.00	379.00	0.0070
KL019258	379.00	379.50	0.0710
KL019259	379.50	380.00	0.0060
KL019261	380.00	380.50	1.5100
KL019262	380.50	381.00	1.1400
KL019263	381.00	382.00	0.0080
KL019264	382.00	383.00	0.0025
KL019265	383.00	383.50	0.0050
KL019266	383.50	384.00	0.3920
KL019267	384.00	385.00	0.0060
KL019268	385.00	385.50	0.2990
KL019269	385.50	386.00	0.0110
KL019271	386.00	387.00	0.0060
KL019272	387.00	387.50	0.1340
KL019273	387.50	388.00	0.0140
KL019274	388.00	388.50	0.8380
KL019275	388.50	389.00	0.0050
KL019276	389.00	390.00	0.0320
KL019277	390.00	391.00	0.0100
KL019278	391.00	392.00	0.0060
KL019279	392.00	393.00	0.0025
KL019281	393.00	394.00	0.0070
KL019282	394.00	394.50	0.0060
KL019283	394.50	395.00	0.3390
KL019284	395.00	395.50	1.7800
KL019285	395.50	396.00	0.8820
KL019286	396.00	397.00	0.0130
KL019287	397.00	397.50	0.0060
KL019288	397.50	398.00	0.9210
KL019289	398.00	399.00	0.0090
KL019291	399.00	400.00	0.4910
KL019292	400.00	401.00	0.0190
KL019293	401.00	401.50	0.0070

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019294	401.50	402.00	0.0050
KL019295	402.00	403.00	0.0025
KL019296	403.00	404.00	0.0690
KL019297	404.00	405.00	0.0060
KL019298	405.00	406.00	0.0025
KL019299	406.00	407.00	0.0060
KL019301	407.00	407.50	0.6130
KL019302	407.50	408.00	0.0050
KL019303	408.00	409.00	0.0050
KL019304	409.00	410.00	0.0140
KL019305	410.00	411.00	0.0180
KL019306	411.00	412.00	0.0200
KL019307	412.00	413.00	0.0025
KL019308	413.00	413.50	0.0830
KL019309	413.50	414.00	0.0025
KL019311	414.00	414.50	0.0025
KL019312	414.50	415.00	2.1200
KL019313	415.00	416.00	1.0500
KL019314	416.00	416.50	0.0830
KL019315	416.50	417.00	0.0790
KL019316	417.00	418.00	0.0025
KL019317	418.00	418.50	0.0110
KL019318	418.50	419.00	0.6850
KL019319	419.00	420.00	0.0110
KL019321	420.00	421.00	0.2650
KL019322	421.00	422.00	0.0250
KL019323	422.00	423.00	1.2700
KL019324	423.00	424.00	0.1370
KL019325	424.00	424.50	0.7850
KL019326	424.50	425.30	0.4920
KL019327	447.00	448.00	0.0120
KL019328	448.00	449.00	0.0025
KL019329	449.00	450.00	0.0060
KL019331	462.00	463.00	0.0025
KL019332	463.00	463.80	0.0025
KL019333	463.80	464.50	0.0090
KL019334	464.50	465.00	0.0025
KL019335	465.00	466.00	0.0370
KL019336	466.00	467.00	0.0070

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019337	467.00	468.00	0.0290
KL019338	468.00	469.00	0.0060
KL019339	469.00	470.00	0.0080
KL019341	470.00	471.00	0.0080
KL019342	471.00	472.00	0.0170
KL019343	472.00	473.00	0.0270
KL019344	473.00	474.00	0.0260
KL019345	474.00	475.00	0.0190
KL019346	475.00	476.00	0.0230
KL019347	476.00	477.00	0.0300
KL019348	477.00	478.00	0.0160
KL019349	478.00	478.50	0.0110
KL019351	478.50	479.00	0.0100
KL019352	479.00	480.00	0.0100
KL019353	480.00	481.00	0.0120
KL019354	481.00	482.00	0.0050
KL019355	482.00	483.00	0.0080
KL019356	494.00	495.00	0.0050
KL019357	495.00	496.00	0.0090
KL019358	496.00	497.00	0.0025
KL019359	497.00	498.00	0.0025
KL019361	498.00	499.00	0.0025
KL019362	499.00	500.00	0.0080
KL019363	500.00	501.00	0.0025
KL019364	501.00	501.50	0.0120
KL019365	501.50	502.00	0.0070
KL019366	502.00	502.50	0.0080
KL019367	502.50	503.00	0.0050
KL019368	503.00	504.00	0.0060
KL019369	504.00	505.00	0.0090
KL019371	505.00	506.00	0.0100
KL019372	506.00	507.00	0.0330
KL019373	507.00	508.00	0.0110
KL019374	508.00	509.00	0.0100
KL019375	509.00	510.00	0.0025
KL019376	510.00	511.00	0.0050
KL019377	511.00	512.00	0.7150
KL019378	512.00	513.00	0.0760
KL019379	513.00	514.00	0.0260

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019381	514.00	515.00	0.0070
KL019382	515.00	515.50	0.0025
KL019383	515.50	516.00	8.4900
KL019384	516.00	517.00	0.0700
KL019385	517.00	518.00	0.0490
KL019386	518.00	519.00	0.0170
KL019387	519.00	520.00	0.0060
KL019388	520.00	521.00	0.0090
KL019389	521.00	522.00	0.0080
KL019391	522.00	522.50	8.1000
KL019392	522.50	523.00	0.0920
KL019393	523.00	523.50	0.0350
KL019394	523.50	524.00	0.2220
KL019395	524.00	524.50	1.3200
KL019396	524.50	525.00	0.0060
KL019397	525.00	525.50	8.4900
KL019398	525.50	526.00	0.0580
KL019399	526.00	527.00	0.0340
KL019401	527.00	528.00	0.0160
KL019402	528.00	529.00	0.0025
KL019403	529.00	530.00	0.0025
KL019404	530.00	531.00	0.0025
KL019405	531.00	532.00	0.0050
KL019406	532.00	533.00	0.0060
KL019407	533.00	533.50	0.0700
KL019408	533.50	534.00	0.0200
KL019409	534.00	535.00	0.0080
KL019411	535.00	536.00	0.0060
KL019412	536.00	537.00	0.0060
KL019413	537.00	538.00	0.0060
KL019414	538.00	539.00	0.0790
KL019415	539.00	540.00	0.0130
KL019416	540.00	541.00	0.0180
KL019417	541.00	542.00	0.0050
KL019418	542.00	543.00	0.0220
KL019419	543.00	543.70	0.0130
KL019421	543.70	544.30	0.0540
KL019422	544.30	544.90	0.0250
KL019423	544.90	546.00	0.0060

Hole Number: **CAR-22-25**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019424	546.00	547.00	0.0025
KL019425	547.00	548.00	0.0025
KL019426	548.00	549.00	0.0025
KL019427	549.00	550.00	0.0025
KL019428	550.00	551.00	0.0370
KL019429	551.00	552.00	0.0170
KL019431	552.00	553.00	0.0970
KL019432	553.00	554.00	0.0050
KL019433	563.00	564.00	0.0025
KL019434	564.00	565.00	0.0025
KL019435	565.00	566.00	0.0025
KL019436	570.00	571.00	0.0025
KL019437	571.00	572.00	0.0025
KL019438	572.00	573.00	0.0025
KL019439	573.00	574.00	0.0050
KL019441	579.00	580.00	0.0050
KL019442	580.00	581.00	0.0050
KL019443	581.00	582.00	0.0025
KL019444	582.00	583.00	0.0025
KL019445	583.00	584.00	0.0025
KL019446	584.00	585.00	0.0025
KL019447	585.00	586.00	0.0210
KL019448	595.00	596.00	0.0080
KL019449	596.00	597.00	0.3660
KL019451	597.00	598.00	0.0260
KL019452	598.00	599.00	0.0050
KL019453	599.00	600.00	0.1140

DETAILED LOG

Hole Number: **CAR-22-26**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -55.00
Project Number: MELKIOR	North: 5357431.85	North: 34424.15	Collar Az: 310.00
Location: Carscallen Township	East: 451994.82	East: -129686.72	Length: 546.00
	Elev: 337.32	Elev: 5037.32	Start Depth: 0.00
Date Started: Jul 27, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Aug 09, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Logged by: Peter Caldbick

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	310.00	-55.00	EZ Sho	OK		15.00	309.06	-54.58	EZ Sho	OK	
66.00	312.13	-54.13	EZ Sho	OK		117.00	312.69	-53.74	EZ Sho	OK	
168.00	312.88	-53.21	EZ Sho	OK		219.00	313.33	-52.81	EZ Sho	OK	
270.00	313.76	-52.13	EZ Sho	OK		321.00	315.40	-51.53	EZ Sho	OK	
372.00	315.28	-50.54	EZ Sho	OK		423.00	315.41	-49.80	EZ Sho	OK	
525.00	314.52	-47.69	EZ Sho	OK							

Detailed Lithology

From		To	Lithology	Assay Data				
Sample Number	From	To	Length	Au_gpt_Final				
0.00	4.80	OVB, MELKIOR - Overburden						
4.80	30.20	GRD_EP, Granodiorite - Epidotized (Melkior)						
light green, epidotitic slightly carbonaceous and potassic glomeroporphyritic texture, approx 2 to 3% disseminated and blebby py from 18 to 24 meters and slightly grey and more carbonaceous and chloritic, gradational FW ct perpendicular to CA								
KL019454	15.00	16.00	1.00	0.00				
KL019455	16.00	17.00	1.00	0.00				
KL019456	17.00	18.00	1.00	0.00				
KL019457	18.00	19.00	1.00	0.00				
KL019458	19.00	20.00	1.00	0.00				
KL019459	20.00	21.00	1.00	0.01				
KL019461	21.00	22.00	1.00	0.00				
KL019462	22.00	23.00	1.00	0.00				
KL019463	23.00	23.50	0.50	0.00				
KL019464	23.50	24.00	0.50	0.00				
KL019465	24.00	24.50	0.50	0.00				
KL019466	24.50	25.00	0.50	0.01				
30.20	32.60	GRD_CB, Granodiorite - Carbonatized (Melkior)						
grey-green, epidotitic, locally carbonatized glomeroporphyritic texture, approx 2 to 3% disseminated and blebby py locally, gradational FW ct @ 50 DTCA								
KL019467	30.20	31.00	0.80	0.02				
KL019468	31.00	32.00	1.00	0.01				
KL019469	32.00	32.60	0.60	0.01				

Hole Number: **CAR-22-26**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
32.60	69.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous and potassic glomeroporphyritic texture, approx 2 to 3% disseminated and blebby py, from 52.5 to 52.7 hematized zone with 2 to 3% blebby py, @ 53 10 cm barren qtz-chl vn perpendicular TO CA	KL019471	35.00	36.00	1.00	0.08
			KL019472	36.00	37.00	1.00	0.00
			KL019473	44.00	45.00	1.00	0.01
			KL019474	45.00	46.00	1.00	0.01
			KL019475	48.00	49.00	1.00	0.01
			KL019476	49.00	49.50	0.50	0.01
			KL019477	49.50	50.00	0.50	0.01
			KL019478	50.00	51.00	1.00	0.00
			KL019479	51.00	52.00	1.00	0.00
			KL019481	52.00	53.00	1.00	0.00
			KL019482	53.00	54.00	1.00	0.00
			KL019483	54.00	55.00	1.00	0.01
69.00	78.20	GRD_CB, Granodiorite - Carbonatized (Melkior) grey-green, epidotitic, locally carbonatized glomeroporphyritic texture, approx 2 to 3% disseminated and blebby py locally, shp FW ct @ 30 DTCA	KL019484	69.00	70.00	1.00	0.00
			KL019485	70.00	71.00	1.00	0.01
			KL019486	71.00	72.00	1.00	0.01
			KL019487	77.00	77.50	0.50	0.01
			KL019488	77.50	78.20	0.70	0.01
78.20	81.00	FP, Feldspar Porphyry dark grey to light green, chloritic, siliceous and sericitic, massive, aphanitic, scattered qtz carb vnt' @ 30 to 40 DTCA, approx 3 to 4% finely disseminated py localized @ HW ct, 2 cm grey qtz vnt @ HW ct @ 30 DTCA parallel TO HW ct, sheared, fractured FW ct @ 30 DTCA	KL019489	78.20	79.00	0.80	0.01
			KL019491	79.00	80.00	1.00	0.04
			KL019492	80.00	81.00	1.00	0.01
81.00	84.00	GRD_CB, Granodiorite - Carbonatized (Melkior) grey-green, epidotitic, locally carbonatized, slightly potassic glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py, gradational FW ct perpendicular to CA	KL019493	81.00	82.00	1.00	0.03
			KL019494	82.00	83.00	1.00	0.01
			KL019495	83.00	84.00	1.00	0.01
84.00	92.30	GRD_EP, Granodiorite - Epidotized (Melkior) grey-green, epidotitic, locally carbonatized glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py locally, gradational FW ct perpendicular to CA					
92.30	99.30	GRD_CB, Granodiorite - Carbonatized (Melkior) grey-green, epidotitic, locally carbonatized, slightly potassic glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py, gradational FW ct perpendicular to CA	KL019496	92.30	93.00	0.70	0.01
			KL019497	93.00	94.00	1.00	0.01
			KL019498	94.00	95.00	1.00	0.01
			KL019499	95.00	96.00	1.00	0.01
			KL019501	96.00	97.00	1.00	0.01
			KL019502	97.00	98.00	1.00	0.00
			KL019503	98.00	98.50	0.50	0.01
			KL019504	98.50	99.30	0.80	0.01
99.30	141.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py, abundant carbonaceous bands no wider than 7 cm @ 50 to 70 DTCA, scattered chloritic mafic xenoliths, gradational FW ct perpendicular to CA	KL019505	140.00	141.20	1.20	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
141.20	148.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, abundant carbonate sts @ 60 to 70 DTCA, approx 2 to 3% disseminated and blebby py	KL019506	141.20	142.00	0.80	0.00
			KL019507	142.00	143.00	1.00	0.00
			KL019508	143.00	144.00	1.00	0.00
			KL019509	144.00	145.00	1.00	0.00
			KL019511	145.00	146.00	1.00	0.00
			KL019512	146.00	147.00	1.00	0.01
			KL019513	147.00	148.20	1.20	0.01
148.20	154.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py, abundant carbonaceous bands no wider than 7 cm @ 50 to 70 DTCA, scattered chloritic mafic xenoliths, gradational FW ct perpendicular to CA	KL019514	148.20	149.00	0.80	0.00
			KL019515	149.00	150.00	1.00	0.01
			KL019516	150.00	151.00	1.00	0.00
			KL019517	151.00	152.00	1.00	0.00
			KL019518	152.00	153.00	1.00	0.00
			KL019519	153.00	154.00	1.00	0.00
			KL019521	154.00	155.10	1.10	0.02
154.20	155.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, abundant carbonate infilled microfractures and sts @ 40 to 60 DTCA, approx 2 to 3% disseminated and blebby py					
155.10	173.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, approx 1 to 2% disseminated and blebby py, abundant carbonaceous bands no wider than 7 cm @ 50 to 70 DTCA, scattered chloritic mafic xenoliths, gradational FW ct perpendicular to CA	KL019522	173.00	173.80	0.80	0.00
173.80	178.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, abundant carbonate infilled microfractures and sts @ 40 to 60 DTCA, approx 2 to 3% disseminated and blebby py, gradational FW ct @ 70 DTCA	KL019523	173.80	175.00	1.20	0.00
			KL019524	175.00	176.00	1.00	0.01
			KL019525	176.00	177.00	1.00	0.01
			KL019526	177.00	178.00	1.00	0.02
			KL019527	178.00	178.70	0.70	0.01
178.70	182.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, gradationally more carbonaceous from 182 to 182.3, approx 1 to 2% disseminated and blebby py, gradational FW ct perpendicular to CA	KL019528	178.70	179.30	0.60	0.09
182.30	184.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, abundant carbonate infilled microfractures and sts @ 40 to 70 DTCA, from 182.3 to 182.5 approx 5 to 6% blebby and subhedral py loca along carb infilled veinlets @ 40 to 60 DTCA	KL019529	182.30	183.00	0.70	0.01
			KL019531	183.00	183.50	0.50	0.01
			KL019532	183.50	184.00	0.50	0.01
			KL019533	184.00	184.80	0.80	0.01
184.80	187.30	GRD_SIL, Granodiorite - Silicified (Melkior) light creamy white to light green, silicified, slightly epidotitic and carbonaceous glomeroporphyritic texture, approx 2 to 3% disseminated py, gradational FW ct @ 70 DTCA	KL019534	184.80	186.00	1.20	0.02
			KL019535	186.00	187.00	1.00	0.00
			KL019536	187.00	187.50	0.50	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
187.30	191.25	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, @ 188.45 4 cm barren white qtz-calcite vn @ 80 DTCA, fractured FW ct @ 60 DTCA, approx 1 to 2% disseminated py	KL019537	187.50	188.00	0.50	0.00
			KL019538	188.00	189.00	1.00	0.00
			KL019539	189.00	190.00	1.00	0.00
			KL019541	190.00	190.50	0.50	0.01
			KL019542	190.50	191.25	0.75	0.00
191.25	192.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, abundant carbonate infilled microfractures and sts @ 50 to 70 DTCA, @ 192.6 3 cm grey qtz vnt @ 40 DTCA with approx 15 to 20% columnar aggregates of subhedral py locd along vn ct', approx 5 to 6% disseminated, bebbly and subhedral py from 192.6 to 192.15, gradational FW ct @ 50 DTCA	KL019543	191.25	191.75	0.50	2.60
			KL019544	191.75	192.40	0.65	0.48
192.40	194.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL019545	192.40	193.00	0.60	0.00
			KL019546	193.00	193.50	0.50	0.00
			KL019547	193.50	194.30	0.80	0.01
194.30	197.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, @ 194.5 and 194.7 2 carbonate infilled microfractures @ 40 and 50 DTCA respectively with approx 6 to 7% clusters of subhedral py, approx 4 to 5% disseminated and subhedral py throughout unit, approx 5 to 6% disseminated and blebby py from 196.7 to 197 meters irregular FW ct perpendicular to CA	KL019548	194.30	195.00	0.70	0.21
			KL019549	195.00	196.00	1.00	0.01
			KL019551	196.00	197.00	1.00	0.06
197.00	204.35	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic glomeroporphyritic texture, scattered dark grey carbonatized intervals no wider than 7 cm and oriented perpendicular to CA, @ 201.6 chloritic and carbonaceous band perpendicular to CA with 3 to 4% subhedral py, gradational FW ct @ 50 DTCA	KL019552	197.00	198.00	1.00	0.00
204.35	208.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly potassic glomeroporphyritic texture, approx 2 to 3% disseminated py, shp FW ct @ 40 DTCA, @ 207.25 20 cm white qtz-chlorite vn perpendicular to CA with tr sul	KL019553	204.35	205.00	0.65	0.00
			KL019554	205.00	206.00	1.00	0.01
			KL019555	206.00	207.00	1.00	0.01
			KL019556	207.00	207.50	0.50	0.00
			KL019557	207.50	208.20	0.70	0.00
208.20	208.90	MD, Mafic Dyke dark green, chloritic, fine grained, massive, crosscut by 6 cm pink granodioritic dikelet @ 50 DTCA, tr sul, shp FW ct @ 50 DTCA	KL019558	208.20	208.90	0.70	0.00
208.90	212.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly potassic glomeroporphyritic texture, from 209.9 to 210.0 approx 12 to 15% clusters of subhedral py arrayed @ 40 to 80 DTCA, additional significant localities of sulphide include 209.5 and 211.3 with 5 to 6% clusters of subhedral py, approx 4 to 5% subhedral py throughout unit gradational FW ct perpendicular to CA	KL019559	208.90	209.50	0.60	0.01
			KL019561	209.50	210.00	0.50	1.69
			KL019562	210.00	210.50	0.50	0.01
			KL019563	210.50	211.00	0.50	0.00
			KL019564	211.00	211.50	0.50	0.02
			KL019565	211.50	212.00	0.50	0.01
			KL019566	212.00	212.50	0.50	0.00

DETAILED LOG

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
212.50	214.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic glomeroporphyritic texture, choritic and carbonaceous intervals up to 10 cm in width with approx 2 to 3% disseminated py, shp FW ct @ 40 DTCA	KL019567	212.50	213.00	0.50	0.01
			KL019568	213.00	214.00	1.00	0.01
			KL019569	214.00	214.90	0.90	0.00
214.80	216.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly potassic glomeroporphyritic texture, from 215.6 to 215.7 carbonate infilled sts subparallel to CA with approx 6 to 7% clusters of subhedral py aligned along stringer ct', irregular FW ct @ 20 DTCA	KL019571	214.90	215.50	0.60	0.01
			KL019572	215.50	216.00	0.50	0.02
216.00	217.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic glomeroporphyritic texture, choritic and carbonaceous intervals up to 10 cm in width with approx 2 to 3% disseminated py, shp FW ct @ 40 DTCA	KL019573	216.00	217.00	1.00	0.00
			KL019574	217.00	217.90	0.90	0.01
217.90	219.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly potassic glomeroporphyritic texture, from 217.9 to 218 chloritic and carbonate infilled microfracture @ 20 DTCA with approx 7 to 8% clusters of subhedral py, gradational FW ct @ 50 DTCA	KL019575	217.90	219.00	1.10	0.02
219.00	240.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic glomeroporphyritic texture, choritic and carbonaceous intervals up to 20 cm in width with approx 2 to 3% disseminated and subhedral py, notably @ 233.4 meters, shp FW ct @ 40 DTCA	KL019576	219.00	220.00	1.00	0.00
			KL019577	225.00	226.00	1.00	0.00
			KL019578	226.00	227.00	1.00	0.00
			KL019579	227.00	228.00	1.00	0.00
			KL019581	228.00	229.00	1.00	0.00
			KL019582	229.00	230.00	1.00	0.01
			KL019583	230.00	231.00	1.00	0.01
			KL019584	231.00	232.00	1.00	0.00
			KL019585	232.00	233.00	1.00	0.00
			KL019586	233.00	233.50	0.50	0.00
			KL019587	233.50	234.00	0.50	0.00
			KL019588	234.00	235.00	1.00	0.00
240.30	249.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, @ 245.25 5 cm barren white qtz-chl vn with HW and FW ct' @ 60 and 40 DTCA respectively, gradational FW ct @ 70 DTCA, approx 1 to 2% disseminated and blebby py	KL019589	240.30	241.00	0.70	0.00
			KL019591	241.00	242.00	1.00	0.01
			KL019592	242.00	243.00	1.00	0.00
			KL019593	243.00	244.00	1.00	0.00
			KL019594	244.00	245.00	1.00	0.01
			KL019595	245.00	246.00	1.00	0.01
			KL019596	246.00	247.00	1.00	0.01
			KL019597	247.00	248.00	1.00	0.00
			KL019598	248.00	249.00	1.00	0.00
			KL019599	249.00	249.60	0.60	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
249.60	286.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, choritic and carbonaceous intervals up to 20 cm in width with approx 3 to 4% disseminated and subhedral py, notably @ 251.3 meters, approx 5 to 6% disseminated and blebby py within this interval, irregular and fractured FW ct @ 40 DTCA	KL019601	249.60	250.20	0.60	0.00
			KL019602	250.20	251.00	0.80	0.00
			KL019603	251.00	251.50	0.50	0.02
			KL019604	251.50	252.00	0.50	0.00
			KL019605	252.00	252.50	0.50	0.00
			KL019606	252.50	253.00	0.50	0.00
			KL019607	268.50	269.00	0.50	0.00
			KL019608	269.00	270.00	1.00	0.00
			KL019609	270.00	271.00	1.00	0.00
			KL019611	271.00	272.00	1.00	0.00
			KL019612	272.00	273.00	1.00	0.00
286.00	289.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 2 to 3% disseminated py throughout, @ 289.6 6 cm barren qtz-ank vn perpendicular to CA, gradational FW ct @ 70 DTCA					
289.20	297.00	GRD_SIL, Granodiorite - Silicified (Melkior) greenish grey, silicified, slightly epidotitic and carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, approx 2 to 3% disseminated py, shp FW ct @ 50 DTCA	KL019613	294.00	295.00	1.00	0.00
			KL019614	295.00	296.00	1.00	0.00
			KL019615	296.00	297.00	1.00	0.00
297.00	301.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 3 to 4% disseminated and localized clusters of subhedral py notably @ 297.6 meters, @ 300 meters cluster of approx 10 to 12% subhedral py localized along carbonate fracture parallel to CA, gradational FW ct @ 70 DTCA	KL019616	297.00	297.50	0.50	0.03
			KL019617	297.50	298.00	0.50	0.02
			KL019618	298.00	299.00	1.00	0.01
			KL019619	299.00	299.50	0.50	0.01
			KL019621	299.50	300.00	0.50	0.19
			KL019622	300.00	300.50	0.50	0.33
			KL019623	300.50	301.20	0.70	0.03
301.20	312.10	GRD_SIL, Granodiorite - Silicified (Melkior) greenish grey, silicified, slightly epidotitic and carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL019624	301.20	302.00	0.80	0.00
			KL019625	302.00	302.80	0.80	0.02
			KL019626	302.80	304.00	1.20	0.06
			KL019627	304.00	304.50	0.50	0.07
			KL019628	304.50	305.00	0.50	0.01
			KL019629	305.00	306.00	1.00	0.00
312.10	334.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, choritic and carbonaceous intervals up to 20 cm in width with approx 2 to 3% disseminated and subhedral py,	KL019631	314.00	315.00	1.00	0.00
			KL019632	315.00	316.00	1.00	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
334.50	358.00	GRD_SIL, Granodiorite - Silicified (Melkior) greenish grey, silicified, slightly epidotitic and carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, approx 2 to 3% disseminated py, scattered 2 cm qtz-chl vnt' @ 40 to 50 DTCA, fractured core between 350 and 354 meters with fractures @ 40 DTCA to subparallel to CA, irregular FW ct perpendicular to CA	KL019633	340.00	341.00	1.00	0.00
			KL019634	341.00	342.00	1.00	0.00
			KL019635	342.00	343.00	1.00	0.00
			KL019636	343.00	344.00	1.00	0.00
			KL019637	344.00	345.00	1.00	0.00
			KL019638	345.00	346.00	1.00	0.00
			KL019639	346.00	347.00	1.00	0.00
			KL019641	356.00	357.00	1.00	0.00
			KL019642	357.00	358.00	1.00	0.01
358.00	359.00	FP, Feldspar Porphyry pinkish orange, silicified, potassic, speckled with chloritic flakes, abundant microfractures infilled with chlorite, approx 1 to 2% disseminated py, shp FW ct @ 30 DTCA	KL019643	358.00	359.00	1.00	0.02
359.00	369.80	GRD_POT, Granodiorite - Potassic (Melkior) orange greenish hue, potassic, epidotitic, slightly carbonaceous, intervals with interstitial white calcite scattered carb sts @ 30 to 40 DTCA, approx 1 to 2% disseminated py, fractured FW ct @ 50 DTCA	KL019644	359.00	360.00	1.00	0.01
369.80	374.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, approx 1 to 2% disseminated py, fractured FW ct @ 40 DTCA					
374.20	376.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 2 to 3% disseminated and localized clusters of subhedral py, gradational FW ct perpendicular to CA	KL019645	374.20	375.00	0.80	0.00
			KL019646	375.00	376.00	1.00	0.00
			KL019647	376.00	376.90	0.90	0.00
376.90	395.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, chloritic and carbonaceous intervals up to 20 cm in width with approx 2 to 3% disseminated and subhedral py, gradational FW ct @ 70 DTCA	KL019648	376.90	378.00	1.10	0.00
			KL019649	384.00	384.50	0.50	0.00
			KL019651	384.50	385.00	0.50	0.00
			KL019652	385.00	385.50	0.50	0.00
			KL019653	385.50	386.00	0.50	0.00
			KL019654	386.00	387.00	1.00	0.00
			KL019655	387.00	388.00	1.00	0.00
			KL019656	388.00	389.00	1.00	0.01
			KL019657	389.00	390.00	1.00	0.00
395.90	397.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 2 to 3% disseminated and localized clusters of subhedral py, gradational FW ct perpendicular to CA, 5 cm white barren qtz vn @ 396.1 @ 70 DTCA	KL019658	395.90	397.00	1.10	0.00
			KL019659	397.00	397.50	0.50	0.00
397.30	400.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, # 395.95 6 cm barren qtz-tourmaline vn @ 70 DTCA, fractured FW ct @ 40 DTCA	KL019661	397.50	398.00	0.50	0.00
			KL019662	400.00	400.80	0.80	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
400.80	421.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 4 to 5% disseminated and localized clusters of subhedral py occupying carb sts' notably @ 401.8 and 402.2 meters, carb sts and vnt' @ 60 to 70 DTCA, @ 408.08 6 cm barren qtz-tourmaline vn @ 80 DTCA, from 413.5 to 413.7 20 cm buff feldspar porphyritic dike @ 50 DTCA mottled with black chloritic flakes with 2 to 3% disseminated py, gradational FW ct perpendicular to CA	KL019663	400.80	401.50	0.70	0.00
			KL019664	401.50	402.00	0.50	0.02
			KL019665	402.00	402.50	0.50	0.00
			KL019666	402.50	403.00	0.50	0.00
			KL019667	403.00	403.50	0.50	0.01
			KL019668	403.50	404.00	0.50	0.00
			KL019669	404.00	405.00	1.00	0.02
			KL019671	408.00	409.00	1.00	0.00
			KL019672	409.00	409.50	0.50	0.00
			KL019673	409.50	410.00	0.50	0.00
			KL019674	410.00	411.00	1.00	0.00
			KL019675	419.00	420.00	1.00	0.00
			KL019676	420.00	421.00	1.00	0.00
			KL019677	421.00	421.90	0.90	0.00
421.90	439.60	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, chloritic and carbonaceous intervals up to 20 cm in width with approx 2 to 3% disseminated and subhedral py occurring within dark chloritic and carbonaceous intervals, irregular FW ct parallel to CA	KL019678	421.90	423.00	1.10	0.00
			KL019679	423.00	424.00	1.00	0.00
			KL019681	424.00	425.00	1.00	0.00
			KL019682	425.00	426.00	1.00	0.00
439.60	440.20	FP, Feldspar Porphyry pinkish orange, silicified, potassic, speckled with chloritic flakes, abundant microfractures infilled with chlorite, approx 1 to 2% disseminated py, shp FW ct parallel to CA					
440.20	444.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, chloritic and carbonaceous intervals up to 10 cm in width with approx 2 to 3% disseminated and subhedral py occurring within dark chloritic and carbonaceous intervals, shp FW ct @ 50 DTCA	KL019683	443.00	444.10	1.10	0.01
444.10	445.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, slightly epidotitic glomeroporphyritic texture, approx 4 to 5% disseminated and localized clusters of subhedral py notably from 444.5 to 444.6 meters, gradational FW ct @ 80 DTCA	KL019684	444.10	444.60	0.50	0.02
			KL019685	444.60	445.00	0.40	0.02

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
445.00	473.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly potassic and silicified glomeroporphyritic texture, chloritic and carbonaceous intervals up to 20 cm in width with approx 2 to 3% disseminated and subhedral py occurring within dark chloritic and carbonaceous intervals, from 457 to 457.3 30 cm buff apahanitic silicified and potassic FP dike with HW and FW ct' @ 40 and 25 DTCA respectively, tr sul, @ 451.8 cluster of approx 7 to 8% subhedral py within carb stringer @ 50 DTCA, @ 464.2 1 cm white qtz vnt with approx 12 to 15% cluster of subhedral py, @ 464.6 10 cm dark grey carbonaceous band @ 60 DTCA with approx 6 to 7% cluster of subhedral py, from 471.5 to 472 approx 5 to 6% scattered subhedral to euhedral py xl', irregular FW ct perpendicular to CA	KL019686	445.00	446.00	1.00	0.00
			KL019687	446.00	447.00	1.00	0.00
			KL019688	447.00	447.50	0.50	0.01
			KL019689	458.00	459.00	1.00	0.00
			KL019691	459.00	460.00	1.00	0.06
			KL019692	460.00	461.00	1.00	0.00
			KL019693	461.00	461.50	0.50	0.00
			KL019694	461.50	462.00	0.50	0.13
			KL019695	462.00	463.00	1.00	0.00
			KL019696	463.00	464.00	1.00	0.49
			KL019697	464.00	464.50	0.50	8.36
			KL019698	464.50	465.00	0.50	0.12
			KL019699	465.00	466.00	1.00	0.00
			KL019701	466.00	467.00	1.00	0.00
			KL019702	467.00	468.00	1.00	0.00
			KL019703	468.00	469.00	1.00	0.00
			KL019704	469.00	470.00	1.00	0.00
			KL019705	470.00	471.00	1.00	0.00
			KL019706	471.00	472.00	1.00	0.01
			KL019707	472.00	473.00	1.00	0.00
473.00	475.70	MI, Melkior - Mafic Intrusive dark green, medium grained, moderately foliated slightly sheared with foliation @ 60 to 70 DTCA, chloritic, sericitic, slightly siliceous somewhat gabbroic texture, approx 3 to 4% disseminated and blebby py, gradational FW ct @ 40 DTCA	KL019708	473.00	474.00	1.00	0.02
			KL019709	474.00	475.00	1.00	0.04
			KL019711	475.00	475.70	0.70	0.04
475.70	481.50	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, slightly chloritic, moderately foliated with foliation @ 50 DTCA, scattered grey qv' throughout, fractured and crumbled core from 479.7 to 480 meters, approx 2 to 3% disseminated and blebby py, fractured faulted FW ct @ 40 DTCA	KL019712	475.70	476.50	0.80	0.17
			KL019713	476.50	477.00	0.50	0.09
			KL019714	477.00	478.00	1.00	0.56
			KL019715	478.00	479.00	1.00	0.04
481.50	483.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly sericitic and siliceous moderately foliated glomeroporphyritic texture with foliation @ 50 DTCA, tr sul					
483.20	487.00	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, slightly chloritic, moderately foliated with foliation @ 50 DTCA, scattered grey qv' throughout, from 386 to 387 patchy pyritic sulphides notably @ 386.2 meters, approx 5 to 6% disseminated and blebby py throughout, gradational FW ct @ 50 DTCA	KL019716	485.00	485.50	0.50	0.15
			KL019717	485.50	486.00	0.50	0.08
			KL019718	486.00	486.50	0.50	0.23
			KL019719	486.50	487.00	0.50	0.06
487.00	488.10	MV, Melkior - Mafic Volcanic Rock dark green, chloritic, locally carbonaceous, from 487.5 to 487.6 10 cm grey qv @ 60 DTCA, from 487.6 to 488.1 approx 8 to 10% patchy and streaks of pyritic sulphides, moderately foliated with foliation @ 30 DTCA, shp FW ct @ 40 DTCA	KL019721	487.00	487.50	0.50	0.00
			KL019722	487.50	488.10	0.60	0.01

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
488.10	491.20	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, slightly chloritic, moderately foliated with foliation @ 50 DTCA, @ 489.5 3 cm qtz-chl vn @ 60 DTCA, approx 2 to 3% blebby py throughout unit, fractured FW ct @ 40 DTCA	KL019723	488.10	489.00	0.90	0.01
			KL019724	489.00	490.00	1.00	0.01
491.20	492.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic slightly carbonaceous locally, slightly sericitic and siliceous moderately foliated glomeroporphyritic texture with foliation @ 50 DTCA, tr sul, shp FW ct @ 40 DTCA					
492.50	496.10	IF, Melkior - Iron Formation magnetite banded iron formation, predominantly chloritic and magnetite-rich, slightly carbonaceous, moderately foliated with foliation @ 70 to 80 DTCA, magnetite banding parallel to foliation, approx 5 to 6% blebby and scattered subhedral py xl', shp FW ct @ 60 DTCA	KL019725	492.50	493.00	0.50	0.01
			KL019726	493.00	494.00	1.00	0.01
			KL019727	494.00	495.00	1.00	0.01
			KL019728	495.00	495.50	0.50	0.02
			KL019729	495.50	496.10	0.60	0.00
496.10	503.50	MI, Melkior - Mafic Intrusive dark green, medium grained, moderately foliated slightly sheared with foliation @ 50 DTCA, chloritic, sericitic, slightly siliceous approx 2 to 3% disseminated and blebby py, gradational FW ct @ 80 DTCA	KL019731	496.10	497.00	0.90	0.64
503.50	506.80	IF, Melkior - Iron Formation magnetite banded iron formation, predominantly chloritic and magnetite-rich, slightly carbonaceous, moderately foliated with foliation @ 70 to 80 DTCA, magnetite banding parallel to foliation, approx 3 to 4% blebby and scattered subhedral py xl', fractured FW ct @ 40 DTCA, from 503.5 to 504, fractured core with fractures parallel to CA	KL019732	503.50	504.00	0.50	0.04
			KL019733	504.00	505.00	1.00	0.03
			KL019734	505.00	506.00	1.00	0.02
			KL019735	506.00	506.80	0.80	0.05
506.80	526.80	MV, Melkior - Mafic Volcanic Rock grey-green, chloritic, siliceous, more intermediate in composition or andesitic, localized intervals with ellipsoidal spherulites stretched parallel to foliation @ 50 DTCA, scattered qtz vnt' throughout often accompanied by sulphides, @ 514 3 cm qtz vnt @ 60 DTCA with approx 4 to 5% cluster of subhedral py, @ 518.4 1 cm carb stringer @ 50 DTCA with 3 to 4% py and 7 to 8% patchy sph, @ 518.7 1 cm carb stringer @ 50 DTCA with approx 5 to 6% subhedral py	KL019736	506.80	508.00	1.20	0.00
			KL019737	513.00	514.00	1.00	1.13
			KL019738	514.00	514.50	0.50	0.88
			KL019739	514.50	515.00	0.50	0.01
			KL019741	515.00	516.00	1.00	0.00
			KL019742	516.00	517.00	1.00	0.01
			KL019743	517.00	518.00	1.00	0.00
			KL019744	518.00	518.50	0.50	0.57
			KL019745	518.50	519.00	0.50	0.45
			KL019746	519.00	519.50	0.50	0.46
			KL019747	519.50	520.00	0.50	0.08
			KL019748	520.00	521.00	1.00	0.00
			KL019749	521.00	522.00	1.00	0.93
			KL019751	522.00	522.50	0.50	0.01
			KL019752	522.50	523.00	0.50	0.10
			KL019753	523.00	524.00	1.00	0.05
526.80	533.30	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, slightly chloritic, moderately foliated with foliation @ 50 DTCA, locally spherulitic, wisps and patches of sericitic alteration throughout unit, approx 2 to 3% scattered subhedral py xl', gradational FW ct @ 50 DTCA	KL019754	530.00	531.00	1.00	1.03
			KL019755	531.00	532.00	1.00	0.17
			KL019756	532.00	532.50	0.50	0.00
			KL019757	532.50	533.30	0.80	0.00

DETAILED LOG

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
533.30	546.00	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, sericitic, slightly siliceous, more intermediate in composition, spherulitic, moderately foliated with foliation @ 50 DTCA, approx 2 to 3% scattered subhedral py xl', @ 545.95 1 cm carbonate stringer @ 60 DTCA with approx 12 to 15% subhedral py, EOH @ 546 meters	KL019758	540.00	541.00	1.00	0.00
			KL019759	541.00	542.00	1.00	0.01
			KL019761	542.00	543.00	1.00	0.01
			KL019762	543.00	544.00	1.00	0.00
			KL019763	544.00	544.50	0.50	0.73
			KL019764	544.50	545.00	0.50	0.17
			KL019765	545.00	546.00	1.00	0.01

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019454	15.00	16.00	0.0025
KL019455	16.00	17.00	0.0025
KL019456	17.00	18.00	0.0025
KL019457	18.00	19.00	0.0025
KL019458	19.00	20.00	0.0025
KL019459	20.00	21.00	0.0090
KL019461	21.00	22.00	0.0025
KL019462	22.00	23.00	0.0025
KL019463	23.00	23.50	0.0025
KL019464	23.50	24.00	0.0025
KL019465	24.00	24.50	0.0025
KL019466	24.50	25.00	0.0050
KL019467	30.20	31.00	0.0150
KL019468	31.00	32.00	0.0050
KL019469	32.00	32.60	0.0070
KL019471	35.00	36.00	0.0830
KL019472	36.00	37.00	0.0025
KL019473	44.00	45.00	0.0050
KL019474	45.00	46.00	0.0050
KL019475	48.00	49.00	0.0050
KL019476	49.00	49.50	0.0050
KL019477	49.50	50.00	0.0060
KL019478	50.00	51.00	0.0025
KL019479	51.00	52.00	0.0025
KL019481	52.00	53.00	0.0025
KL019482	53.00	54.00	0.0025
KL019483	54.00	55.00	0.0060
KL019484	69.00	70.00	0.0025
KL019485	70.00	71.00	0.0130

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019486	71.00	72.00	0.0090
KL019487	77.00	77.50	0.0060
KL019488	77.50	78.20	0.0120
KL019489	78.20	79.00	0.0120
KL019491	79.00	80.00	0.0370
KL019492	80.00	81.00	0.0100
KL019493	81.00	82.00	0.0290
KL019494	82.00	83.00	0.0120
KL019495	83.00	84.00	0.0080
KL019496	92.30	93.00	0.0080
KL019497	93.00	94.00	0.0070
KL019498	94.00	95.00	0.0080
KL019499	95.00	96.00	0.0070
KL019501	96.00	97.00	0.0050
KL019502	97.00	98.00	0.0025
KL019503	98.00	98.50	0.0110
KL019504	98.50	99.30	0.0050
KL019505	140.00	141.20	0.0025
KL019506	141.20	142.00	0.0025
KL019507	142.00	143.00	0.0025
KL019508	143.00	144.00	0.0025
KL019509	144.00	145.00	0.0025
KL019511	145.00	146.00	0.0025
KL019512	146.00	147.00	0.0050
KL019513	147.00	148.20	0.0050
KL019514	148.20	149.00	0.0025
KL019515	149.00	150.00	0.0070
KL019516	150.00	151.00	0.0025
KL019517	151.00	152.00	0.0025
KL019518	152.00	153.00	0.0025
KL019519	153.00	154.00	0.0025
KL019521	154.00	155.10	0.0160
KL019522	173.00	173.80	0.0025
KL019523	173.80	175.00	0.0025
KL019524	175.00	176.00	0.0050
KL019525	176.00	177.00	0.0070
KL019526	177.00	178.00	0.0210
KL019527	178.00	178.70	0.0060
KL019528	178.70	179.30	0.0900

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019529	182.30	183.00	0.0060
KL019531	183.00	183.50	0.0080
KL019532	183.50	184.00	0.0130
KL019533	184.00	184.80	0.0100
KL019534	184.80	186.00	0.0220
KL019535	186.00	187.00	0.0025
KL019536	187.00	187.50	0.0025
KL019537	187.50	188.00	0.0025
KL019538	188.00	189.00	0.0025
KL019539	189.00	190.00	0.0025
KL019541	190.00	190.50	0.0060
KL019542	190.50	191.25	0.0025
KL019543	191.25	191.75	2.6000
KL019544	191.75	192.40	0.4790
KL019545	192.40	193.00	0.0025
KL019546	193.00	193.50	0.0025
KL019547	193.50	194.30	0.0080
KL019548	194.30	195.00	0.2070
KL019549	195.00	196.00	0.0050
KL019551	196.00	197.00	0.0590
KL019552	197.00	198.00	0.0025
KL019553	204.35	205.00	0.0025
KL019554	205.00	206.00	0.0070
KL019555	206.00	207.00	0.0050
KL019556	207.00	207.50	0.0025
KL019557	207.50	208.20	0.0025
KL019558	208.20	208.90	0.0025
KL019559	208.90	209.50	0.0090
KL019561	209.50	210.00	1.6900
KL019562	210.00	210.50	0.0050
KL019563	210.50	211.00	0.0025
KL019564	211.00	211.50	0.0210
KL019565	211.50	212.00	0.0070
KL019566	212.00	212.50	0.0025
KL019567	212.50	213.00	0.0080
KL019568	213.00	214.00	0.0130
KL019569	214.00	214.90	0.0025
KL019571	214.90	215.50	0.0110
KL019572	215.50	216.00	0.0160

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019573	216.00	217.00	0.0025
KL019574	217.00	217.90	0.0050
KL019575	217.90	219.00	0.0160
KL019576	219.00	220.00	0.0025
KL019577	225.00	226.00	0.0025
KL019578	226.00	227.00	0.0025
KL019579	227.00	228.00	0.0025
KL019581	228.00	229.00	0.0025
KL019582	229.00	230.00	0.0050
KL019583	230.00	231.00	0.0050
KL019584	231.00	232.00	0.0025
KL019585	232.00	233.00	0.0025
KL019586	233.00	233.50	0.0025
KL019587	233.50	234.00	0.0025
KL019588	234.00	235.00	0.0025
KL019589	240.30	241.00	0.0025
KL019591	241.00	242.00	0.0070
KL019592	242.00	243.00	0.0025
KL019593	243.00	244.00	0.0025
KL019594	244.00	245.00	0.0050
KL019595	245.00	246.00	0.0060
KL019596	246.00	247.00	0.0060
KL019597	247.00	248.00	0.0025
KL019598	248.00	249.00	0.0025
KL019599	249.00	249.60	0.0025
KL019601	249.60	250.20	0.0025
KL019602	250.20	251.00	0.0025
KL019603	251.00	251.50	0.0240
KL019604	251.50	252.00	0.0025
KL019605	252.00	252.50	0.0025
KL019606	252.50	253.00	0.0025
KL019607	268.50	269.00	0.0025
KL019608	269.00	270.00	0.0025
KL019609	270.00	271.00	0.0025
KL019611	271.00	272.00	0.0025
KL019612	272.00	273.00	0.0025
KL019613	294.00	295.00	0.0025
KL019614	295.00	296.00	0.0025
KL019615	296.00	297.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019616	297.00	297.50	0.0280
KL019617	297.50	298.00	0.0150
KL019618	298.00	299.00	0.0120
KL019619	299.00	299.50	0.0090
KL019621	299.50	300.00	0.1860
KL019622	300.00	300.50	0.3310
KL019623	300.50	301.20	0.0260
KL019624	301.20	302.00	0.0025
KL019625	302.00	302.80	0.0230
KL019626	302.80	304.00	0.0560
KL019627	304.00	304.50	0.0670
KL019628	304.50	305.00	0.0090
KL019629	305.00	306.00	0.0025
KL019631	314.00	315.00	0.0025
KL019632	315.00	316.00	0.0025
KL019633	340.00	341.00	0.0025
KL019634	341.00	342.00	0.0025
KL019635	342.00	343.00	0.0025
KL019636	343.00	344.00	0.0025
KL019637	344.00	345.00	0.0025
KL019638	345.00	346.00	0.0025
KL019639	346.00	347.00	0.0025
KL019641	356.00	357.00	0.0025
KL019642	357.00	358.00	0.0060
KL019643	358.00	359.00	0.0190
KL019644	359.00	360.00	0.0130
KL019645	374.20	375.00	0.0025
KL019646	375.00	376.00	0.0025
KL019647	376.00	376.90	0.0025
KL019648	376.90	378.00	0.0025
KL019649	384.00	384.50	0.0025
KL019651	384.50	385.00	0.0025
KL019652	385.00	385.50	0.0025
KL019653	385.50	386.00	0.0025
KL019654	386.00	387.00	0.0025
KL019655	387.00	388.00	0.0025
KL019656	388.00	389.00	0.0050
KL019657	389.00	390.00	0.0025
KL019658	395.90	397.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019659	397.00	397.50	0.0025
KL019661	397.50	398.00	0.0025
KL019662	400.00	400.80	0.0025
KL019663	400.80	401.50	0.0025
KL019664	401.50	402.00	0.0190
KL019665	402.00	402.50	0.0025
KL019666	402.50	403.00	0.0025
KL019667	403.00	403.50	0.0080
KL019668	403.50	404.00	0.0025
KL019669	404.00	405.00	0.0150
KL019671	408.00	409.00	0.0025
KL019672	409.00	409.50	0.0025
KL019673	409.50	410.00	0.0025
KL019674	410.00	411.00	0.0025
KL019675	419.00	420.00	0.0025
KL019676	420.00	421.00	0.0025
KL019677	421.00	421.90	0.0025
KL019678	421.90	423.00	0.0025
KL019679	423.00	424.00	0.0025
KL019681	424.00	425.00	0.0025
KL019682	425.00	426.00	0.0025
KL019683	443.00	444.10	0.0130
KL019684	444.10	444.60	0.0150
KL019685	444.60	445.00	0.0240
KL019686	445.00	446.00	0.0025
KL019687	446.00	447.00	0.0025
KL019688	447.00	447.50	0.0060
KL019689	458.00	459.00	0.0025
KL019691	459.00	460.00	0.0640
KL019692	460.00	461.00	0.0025
KL019693	461.00	461.50	0.0025
KL019694	461.50	462.00	0.1290
KL019695	462.00	463.00	0.0025
KL019696	463.00	464.00	0.4930
KL019697	464.00	464.50	8.3600
KL019698	464.50	465.00	0.1160
KL019699	465.00	466.00	0.0025
KL019701	466.00	467.00	0.0025
KL019702	467.00	468.00	0.0025

Hole Number: **CAR-22-26**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019703	468.00	469.00	0.0025
KL019704	469.00	470.00	0.0025
KL019705	470.00	471.00	0.0025
KL019706	471.00	472.00	0.0140
KL019707	472.00	473.00	0.0025
KL019708	473.00	474.00	0.0180
KL019709	474.00	475.00	0.0440
KL019711	475.00	475.70	0.0390
KL019712	475.70	476.50	0.1660
KL019713	476.50	477.00	0.0860
KL019714	477.00	478.00	0.5600
KL019715	478.00	479.00	0.0430
KL019716	485.00	485.50	0.1450
KL019717	485.50	486.00	0.0810
KL019718	486.00	486.50	0.2250
KL019719	486.50	487.00	0.0590
KL019721	487.00	487.50	0.0025
KL019722	487.50	488.10	0.0140
KL019723	488.10	489.00	0.0050
KL019724	489.00	490.00	0.0050
KL019725	492.50	493.00	0.0050
KL019726	493.00	494.00	0.0050
KL019727	494.00	495.00	0.0050
KL019728	495.00	495.50	0.0200
KL019729	495.50	496.10	0.0025
KL019731	496.10	497.00	0.6400
KL019732	503.50	504.00	0.0440
KL019733	504.00	505.00	0.0300
KL019734	505.00	506.00	0.0230
KL019735	506.00	506.80	0.0510
KL019736	506.80	508.00	0.0025
KL019737	513.00	514.00	1.1300
KL019738	514.00	514.50	0.8830
KL019739	514.50	515.00	0.0060
KL019741	515.00	516.00	0.0025
KL019742	516.00	517.00	0.0080
KL019743	517.00	518.00	0.0025
KL019744	518.00	518.50	0.5680
KL019745	518.50	519.00	0.4500

Hole Number: **CAR-22-26**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL019746	519.00	519.50	0.4620
KL019747	519.50	520.00	0.0790
KL019748	520.00	521.00	0.0025
KL019749	521.00	522.00	0.9280
KL019751	522.00	522.50	0.0090
KL019752	522.50	523.00	0.1000
KL019753	523.00	524.00	0.0460
KL019754	530.00	531.00	1.0300
KL019755	531.00	532.00	0.1680
KL019756	532.00	532.50	0.0025
KL019757	532.50	533.30	0.0025
KL019758	540.00	541.00	0.0025
KL019759	541.00	542.00	0.0070
KL019761	542.00	543.00	0.0050
KL019762	543.00	544.00	0.0025
KL019763	544.00	544.50	0.7290
KL019764	544.50	545.00	0.1680
KL019765	545.00	546.00	0.0050

DETAILED LOG

Hole Number: **CAR-22-27**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -50.00
Project Number: MELKIOR	North: 5359103.63	North: 36152.90	Collar Az: 240.00
Location: Carscallen Township	East: 451553.47	East: -129632.71	Length: 450.00
	Elev: 330.14	Elev: 5030.14	Start Depth: 0.00
Date Started: Aug 10, 2022	Collar Survey: N	Plugged: N	Final Depth: 450.00
Date Completed: Aug 18, 2022	Multishot Survey: N	Hole Size: NQ	
	Pulse EM Survey: N	Casing: YES	
		Contractor: Major	
		Core Storage: Carscallen	
		Logged by: Peter Caldbick	

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		30.00	240.02	-49.85	EZ Sho	OK	
81.00	239.84	-50.08	EZ Sho	OK		132.00	240.44	-50.38	EZ Sho	OK	
183.00	240.81	-50.68	EZ Sho	OK		234.00	242.53	-50.85	EZ Sho	OK	
285.00	243.17	-51.31	EZ Sho	DO		336.00	243.77	-51.28	EZ Sho	OK	
387.00	244.74	-51.54	EZ Sho	OK		438.00	245.55	-52.23	EZ Sho	OK	
450.00	245.55	-52.23	EZ Sho	OK							

Detailed Lithology

From		To	Lithology	Assay Data					
Sample Number	From	To	Length	Au_gpt_Final					
0.00	20.00	OVB, MELKIOR - Overburden							

Hole Number: **CAR-22-27**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
20.00	180.00	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 40 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rinds, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, @ 30.8 30 cm grey barren qtz-chl vn @ 40 DTCA, @ 56.5 2 cm qtz-carb vnt perpendicular to CA with approx 3 to 4% blebby py, from 73 to 75.5 mottled with epidotitic porphyroblasts, from 82 to 83 brecciated hyaloclastite with 2 to 3% disseminated and blebby py, fractured and blocky core throughout unit, approx 1 to 2% disseminated py throughout unit, from 84 to 104, localized brecciated hyaloclastite, localized varioles notably @ 103.9, network of microfractures infilled with epidote, tr sul, from 106 to 114 approx 3 to 4% disseminated and blebby py throughout interval, from 112 to 114 light green bleached sericitized zone with flecks of fuscite, moderately foliated and slightly sheared with foliation @ 60 DTAC, approx 2 to 3% disseminated and blebby py, carbonate patches throughout interval, from 123 to 124.1 slightly sheared mineralized zone with approx 5 to 6% disseminated, blebby and scattered subhedral py xl', from 131 to 137 approx 3 to 4% disseminated py, strongest concentration of sulphides from 135.5 to 135.8 with approx 8 to 10% patchy pyritic smears localized along carb infilled microfractures @ 40 DTCA, from 150 to 172.4 brecciated hyaloclastite throughout, patchy carbonate stained with hematite notably 159.3 to 160, approx 1 to 2% disseminated py, from 172.4 to 172.7 grey qtz-chl vn perpendicular to CA with approx 1 to 2% disseminated py, from 172.25 to 172.46 green chloritic qv @ 50 DTCA with approx 1 to 2% disseminated py, fractured FW ct perpendicular to CA	KL019766	30.00	30.80	0.80	0.01
			KL019767	30.80	31.30	0.50	0.02
			KL019768	31.30	32.00	0.70	0.00
			KL019769	32.00	33.00	1.00	0.00
			KL019771	55.00	56.00	1.00	0.02
			KL019772	56.00	56.50	0.50	0.02
			KL019773	56.50	57.00	0.50	0.02
			KL019774	57.00	58.00	1.00	0.00
			KL019775	81.00	82.00	1.00	0.00
			KL019776	82.00	83.00	1.00	0.03
			KL019777	83.00	84.00	1.00	0.00
			KL019778	106.00	107.00	1.00	0.01
			KL019779	107.00	108.00	1.00	0.00
			KL019781	108.00	109.00	1.00	0.01
			KL019782	109.00	110.00	1.00	0.00
			KL019783	110.00	111.00	1.00	0.00
			KL019784	111.00	112.00	1.00	0.00
			KL019785	112.00	113.00	1.00	0.00
			KL019786	113.00	114.00	1.00	0.00
			KL019787	122.00	123.00	1.00	0.00
			KL019788	123.00	124.00	1.00	0.06
			KL019789	124.00	125.00	1.00	0.02
			KL019791	125.00	126.00	1.00	0.00
			KL019792	126.00	127.00	1.00	0.01
			KL019793	131.00	132.00	1.00	0.00
			KL019794	132.00	133.00	1.00	0.01
			KL019795	133.00	134.00	1.00	0.00
			KL019796	134.00	135.00	1.00	0.00
		KL019797	135.00	136.00	1.00	0.01	
		KL019798	136.00	137.00	1.00	0.00	
		KL019799	158.00	159.00	1.00	0.00	
		KL019801	159.00	160.00	1.00	0.00	
		KL019802	160.00	161.00	1.00	0.00	
		KL019803	169.00	170.00	1.00	0.01	
		KL019804	170.00	171.00	1.00	0.00	
		KL019805	171.00	172.00	1.00	0.00	
		KL019806	172.00	173.00	1.00	0.00	
		KL019807	173.00	174.00	1.00	0.01	
		KL019808	174.00	175.00	1.00	0.01	
180.00	181.60	FZ, Fault Zone dark green, chloritic, fractured and crumbled core with fractures subparallel to CA, tr sul					

Hole Number: **CAR-22-27**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
181.60	212.90	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 40 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, from 197.6 to 197.8 approx 6 to 8% patchy and pyritic smears, approx 1 to 2% disseminated py throughout unit shp FW ct @ 40 DTCA	KL019809	195.00	196.00	1.00	0.00
			KL019811	196.00	197.00	1.00	0.01
			KL019812	197.00	197.50	0.50	0.00
			KL019813	197.50	198.00	0.50	0.01
			KL019814	198.00	199.00	1.00	0.00
212.90	217.10	GAB, Gabbro dark grey-green, chloritic, comprised of interstitial plogioclase and pyroxene, homogeneous, medium grained, tr sul, shp FW ct perpendicular to CA					
217.10	235.40	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout, shp FW ct @ 70 DTCA					
235.40	243.90	BaM, Melkior - Basalt; fine grained; massive dark grey, chloritic, carbonaceous, weakly foliated with foliation @ 50 DTCA, fine grained, massive, homogeneous, scattered qtz vnt' @ 40 to 50 DTCA, @ 239.6 3 cm qtz vnt @ 50 DTCA with approx 3 to 4% blebby subhedral py, shp FW ct @ 70 DTCA	KL019815	238.00	239.00	1.00	0.00
			KL019816	239.00	239.50	0.50	0.00
			KL019817	239.50	240.00	0.50	0.01
			KL019818	240.00	241.00	1.00	0.00
243.90	252.40	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout, shp FW ct @ 70 DTCA, approx 1 to 2% disseminated py	KL019819	245.00	245.50	0.50	0.00
			KL019821	245.50	246.00	0.50	0.04
			KL019822	246.00	246.50	0.50	0.08
			KL019823	246.50	247.00	0.50	0.01
252.40	254.90	BaM, Melkior - Basalt; fine grained; massive dark grey, chloritic, carbonaceous, weakly foliated with foliation @ 50 DTCA, fine grained, massive, homogeneous, scattered qtz vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct perpendicular to CA					
254.90	289.00	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout, from 257 to 258.6 strongly carbonaceous zone with carb patches parallel to foliation and grey qtz-carb vng from 257.8 to 258.1 meters, approx 1 to 2% disseminated py, from 259.7 to 260, buff sheared sericitized FP dike @ 50 DTCA with tr sul	KL019824	256.00	257.00	1.00	0.00
			KL019825	257.00	258.00	1.00	0.00
			KL019826	258.00	259.00	1.00	0.00
			KL019827	275.00	276.00	1.00	0.00
			KL019828	276.00	276.50	0.50	0.01
			KL019829	276.50	277.00	0.50	0.00
289.00	304.50	BaM, Melkior - Basalt; fine grained; massive dark grey, chloritic, carbonaceous, weakly foliated with foliation @ 50 DTCA, fine grained, massive, homogeneous, scattered qtz vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 70 DTCA, from 291 to 294 unit mottled with epidotitic plagioclase clasts up to 1 cm in width	KL019831	295.00	296.00	1.00	0.01
			KL019832	296.00	297.00	1.00	0.01

Hole Number: **CAR-22-27**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
304.50	358.90	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout, from 306.5 to 307 grey carbonaceous zone with approx 3 to 4% disseminated py, from 313.8 to 314.0 chloritic infilled microfractures @ 30 to 40 DTCA with approx 3 to 4% subhedral pyritic clusters, from 341.7 to 342 mineralized zone comprised of approx 12 to 15% pyrrhotite, 7 to 8% py and 1 to 2% cpy, @ 341.7 3 cm carb vnt @ 50 DTCA with approx 10 to 12% po and py, from 341.8 to 341.95 grey qtz vn @ 50 DTCA with approx 12 to 15% po, 1 to 2% cpy, @ 347.1 3 cm grey qtz vnt @ 50 DTCA with approx 12 to 15% patchy pyrrhotite and 2 to 3% subhedral py, gradational FW ct @ 50 DTCA	KL019833	305.00	306.00	1.00	0.02
			KL019834	306.00	306.50	0.50	0.01
			KL019835	306.50	307.00	0.50	0.21
			KL019836	307.00	308.00	1.00	0.02
			KL019837	308.00	309.00	1.00	0.02
			KL019838	313.00	313.50	0.50	0.01
			KL019839	313.50	314.00	0.50	0.01
			KL019841	314.00	315.00	1.00	0.01
			KL019842	336.00	337.00	1.00	0.01
			KL019843	337.00	338.00	1.00	0.01
			KL019844	338.00	339.00	1.00	0.01
			KL019845	339.00	340.00	1.00	0.01
			KL019846	340.00	341.00	1.00	0.07
			KL019847	341.00	341.70	0.70	0.08
			KL019848	341.70	342.20	0.50	8.29
			KL019849	342.20	343.00	0.80	0.05
			KL019851	343.00	344.00	1.00	0.02
			KL019852	344.00	345.00	1.00	0.01
			KL019853	345.00	346.00	1.00	0.01
			KL019854	346.00	347.00	1.00	0.01
		KL019855	347.00	347.50	0.50	0.14	
		KL019856	347.50	348.00	0.50	0.01	
		KL019857	348.00	349.00	1.00	0.01	
		KL019858	349.00	350.00	1.00	0.00	
		KL019859	353.00	354.00	1.00	0.01	
		KL019861	354.00	355.00	1.00	0.01	
		KL019862	355.00	355.50	0.50	0.03	
		KL019863	355.50	356.00	0.50	0.01	
		KL019864	356.00	357.00	1.00	0.01	
358.90	371.20	BaM, Melkior - Basalt; fine grained; massive dark grey, chloritic, carbonaceous, weakly foliated with foliation @ 50 DTCA, fine grained, massive, homogeneous, scattered qtz vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 60 DTCA, from 372.3 to 374 unit mottled with epidotitic plagioclase clasts up to 1 cm in width, shp FW ct @ 40 DTCA					
371.20	404.10	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout,	KL019865	376.00	376.80	0.80	0.01
			KL019866	376.80	377.50	0.70	0.01
			KL019867	377.50	378.00	0.50	0.01
			KL019868	398.00	399.00	1.00	0.01
			KL019869	399.00	399.50	0.50	0.01
			KL019871	399.50	400.00	0.50	0.01
			KL019872	401.00	402.00	1.00	0.01
			KL019873	402.00	403.00	1.00	0.01
		KL019874	403.00	404.10	1.10	0.01	

Hole Number: **CAR-22-27**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
404.10	412.00	BaM, Melkior - Basalt; fine grained; massive dark grey, chloritic, carbonaceous, weakly foliated with foliation @ 50 DTCA, fine grained, massive, homogeneous, scattered qtz vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA,					
412.00	450.00	BaFBx, Melkior - Basalt Flow Breccia grey-green, chloritic, siliceous, fine grained, moderately foliated with foliation @ 50 DTCA, localized flow breccia textures including localized hyaloclastite and broken pillow rims, abundant qtz-carb sts and vnt' oriented parallel to foliation @ 40 to 50 DTCA, scattered sericitic and epidotitic patches throughout, approx 1 to 2% disseminated and blebby py throughout, @ 417.7 1 cm carb vnt @ 25 DTCA with 8 to 10% cluster of subhedral py xl', from 432.3 to 433 sheared carbonaceous zone with foliation @ 30 DTCA and approx 2 to 3% disseminated py, EOH @ 450 meters	KL019875	417.00	417.50	0.50	0.01
			KL019876	417.50	418.00	0.50	0.05
			KL019877	418.00	419.00	1.00	0.01
			KL019878	419.00	420.00	1.00	0.01
			KL019879	420.00	421.00	1.00	0.01
			KL019881	421.00	422.00	1.00	0.01
			KL019882	431.00	432.00	1.00	0.01
			KL019883	432.00	433.00	1.00	0.02
			KL019884	433.00	434.00	1.00	0.01
			KL019885	446.00	447.00	1.00	0.01
			KL019886	447.00	448.00	1.00	0.01
			KL019887	448.00	449.00	1.00	0.03
			KL019888	449.00	450.00	1.00	0.01

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019766	30.00	30.80	0.0080
KL019767	30.80	31.30	0.0240
KL019768	31.30	32.00	0.0025
KL019769	32.00	33.00	0.0025
KL019771	55.00	56.00	0.0190
KL019772	56.00	56.50	0.0150
KL019773	56.50	57.00	0.0180
KL019774	57.00	58.00	0.0025
KL019775	81.00	82.00	0.0025
KL019776	82.00	83.00	0.0340
KL019777	83.00	84.00	0.0025
KL019778	106.00	107.00	0.0050
KL019779	107.00	108.00	0.0025
KL019781	108.00	109.00	0.0070
KL019782	109.00	110.00	0.0025
KL019783	110.00	111.00	0.0025
KL019784	111.00	112.00	0.0025
KL019785	112.00	113.00	0.0025
KL019786	113.00	114.00	0.0025
KL019787	122.00	123.00	0.0025

Hole Number: **CAR-22-27**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019788	123.00	124.00	0.0590
KL019789	124.00	125.00	0.0230
KL019791	125.00	126.00	0.0025
KL019792	126.00	127.00	0.0050
KL019793	131.00	132.00	0.0025
KL019794	132.00	133.00	0.0050
KL019795	133.00	134.00	0.0025
KL019796	134.00	135.00	0.0025
KL019797	135.00	136.00	0.0060
KL019798	136.00	137.00	0.0025
KL019799	158.00	159.00	0.0025
KL019801	159.00	160.00	0.0025
KL019802	160.00	161.00	0.0025
KL019803	169.00	170.00	0.0060
KL019804	170.00	171.00	0.0025
KL019805	171.00	172.00	0.0025
KL019806	172.00	173.00	0.0025
KL019807	173.00	174.00	0.0070
KL019808	174.00	175.00	0.0050
KL019809	195.00	196.00	0.0025
KL019811	196.00	197.00	0.0070
KL019812	197.00	197.50	0.0025
KL019813	197.50	198.00	0.0070
KL019814	198.00	199.00	0.0025
KL019815	238.00	239.00	0.0025
KL019816	239.00	239.50	0.0025
KL019817	239.50	240.00	0.0110
KL019818	240.00	241.00	0.0025
KL019819	245.00	245.50	0.0025
KL019821	245.50	246.00	0.0350
KL019822	246.00	246.50	0.0830
KL019823	246.50	247.00	0.0080
KL019824	256.00	257.00	0.0025
KL019825	257.00	258.00	0.0025
KL019826	258.00	259.00	0.0025
KL019827	275.00	276.00	0.0025
KL019828	276.00	276.50	0.0050
KL019829	276.50	277.00	0.0025
KL019831	295.00	296.00	0.0080

Hole Number: **CAR-22-27**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019832	296.00	297.00	0.0090
KL019833	305.00	306.00	0.0190
KL019834	306.00	306.50	0.0090
KL019835	306.50	307.00	0.2080
KL019836	307.00	308.00	0.0220
KL019837	308.00	309.00	0.0150
KL019838	313.00	313.50	0.0110
KL019839	313.50	314.00	0.0090
KL019841	314.00	315.00	0.0120
KL019842	336.00	337.00	0.0100
KL019843	337.00	338.00	0.0080
KL019844	338.00	339.00	0.0090
KL019845	339.00	340.00	0.0100
KL019846	340.00	341.00	0.0650
KL019847	341.00	341.70	0.0750
KL019848	341.70	342.20	8.2900
KL019849	342.20	343.00	0.0500
KL019851	343.00	344.00	0.0170
KL019852	344.00	345.00	0.0050
KL019853	345.00	346.00	0.0050
KL019854	346.00	347.00	0.0080
KL019855	347.00	347.50	0.1420
KL019856	347.50	348.00	0.0110
KL019857	348.00	349.00	0.0070
KL019858	349.00	350.00	0.0025
KL019859	353.00	354.00	0.0130
KL019861	354.00	355.00	0.0120
KL019862	355.00	355.50	0.0250
KL019863	355.50	356.00	0.0130
KL019864	356.00	357.00	0.0130
KL019865	376.00	376.80	0.0120
KL019866	376.80	377.50	0.0120
KL019867	377.50	378.00	0.0050
KL019868	398.00	399.00	0.0060
KL019869	399.00	399.50	0.0060
KL019871	399.50	400.00	0.0060
KL019872	401.00	402.00	0.0050
KL019873	402.00	403.00	0.0060
KL019874	403.00	404.10	0.0050

Hole Number: **CAR-22-27**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019875	417.00	417.50	0.0070
KL019876	417.50	418.00	0.0530
KL019877	418.00	419.00	0.0090
KL019878	419.00	420.00	0.0070
KL019879	420.00	421.00	0.0070
KL019881	421.00	422.00	0.0070
KL019882	431.00	432.00	0.0060
KL019883	432.00	433.00	0.0230
KL019884	433.00	434.00	0.0080
KL019885	446.00	447.00	0.0130
KL019886	447.00	448.00	0.0070
KL019887	448.00	449.00	0.0250
KL019888	449.00	450.00	0.0070

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -70.00
Project Number: MELKIOR	North: 5357692.19	North: 34721.74	Collar Az: 310.00
Location: Carscallen Township	East: 451826.66	East: -129773.63	Length: 702.00
	Elev: 345.81	Elev: 5045.81	Start Depth: 0.00
Date Started: Aug 20, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Sep 02, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Final Depth: 702.00
Logged by: Peter Caldbick			

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	310.00	-70.00	EZ Sho	OK		15.00	308.10	-70.21	EZ Sho	OK	
66.00	310.29	-70.08	EZ Sho	OK		117.00	310.28	-69.64	EZ Sho	OK	
168.00	310.47	-69.04	EZ Sho	OK		219.00	311.58	-68.59	EZ Sho	OK	
270.00	312.16	-68.10	EZ Sho	OK		321.00	311.28	-67.60	EZ Sho	OK	
372.00	315.80	-67.37	EZ Sho	OK		423.00	315.28	-67.22	EZ Sho	OK	
525.00	314.78	-66.07	EZ Sho	OK		627.00	319.15	-64.39	EZ Sho	OK	
678.00	318.63	-64.23	EZ Sho	OK		702.00	314.95	-64.07	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	3.60	OVB, MELKIOR - Overburden					
3.60	34.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green to creamy white, epidotitic, siliceous, glomeroporphyritic texture, from 12 to 17 approx 3 to 4% localized and disseminated subhedral py occurring along carb sts and vnt' @ 40 to 50 DTCA, from 27 to 34.5 slightly more silicified with stronger concentrations of sulphide proximal to FW ct, approx 3 to 4% clusters of subhedral py notabl @ 34 meters, shp fractured FW ct @ 40- DTCA	KL019889	12.00	13.00	1.00	0.00
			KL019891	13.00	14.00	1.00	0.01
			KL019892	14.00	15.00	1.00	0.00
			KL019893	15.00	16.00	1.00	0.01
			KL019894	16.00	17.00	1.00	0.00
			KL019895	32.00	33.00	1.00	0.00
			KL019896	33.00	33.50	0.50	0.00
			KL019897	33.50	34.00	0.50	0.01
			KL019898	34.00	34.50	0.50	0.00

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
34.50	43.60	FP, Feldspar Porphyry light grey, siliceous, slightly sericitic, massive, homogeneous, scattered carb sts throughout @ 30 to 40 DTCA with approx 2 to 3% localized clusters of subhedral py, shp FW ct @ 50 DTCA	KL019899	34.50	35.00	0.50	0.00
			KL019901	35.00	36.00	1.00	0.01
			KL019902	36.00	37.00	1.00	0.01
			KL019903	37.00	38.00	1.00	0.01
			KL019904	38.00	39.00	1.00	0.01
			KL019905	39.00	40.00	1.00	0.01
			KL019906	40.00	41.00	1.00	0.00
			KL019907	41.00	42.00	1.00	0.00
			KL019908	42.00	43.00	1.00	0.01
			KL019909	43.00	43.60	0.60	0.01
43.60	44.80	GRD_SIL, Granodiorite - Silicified (Melkior) light green to creamy white, epidotitic, siliceous, glomeroporphyritic texture, @ 43.65 cluster of approx 3 to 4% subhedral py proximal to CT, shp FW ct perpendicular to CA	KL019911	43.60	44.10	0.50	0.00
			KL019912	44.10	44.80	0.70	0.01
44.80	48.10	FP, Feldspar Porphyry light grey, siliceous, slightly sericitic, massive, homogeneous, scattered carb sts throughout @ 30 to 40 DTCA with approx 2 to 3% localized clusters of subhedral py, shp FW ct @ 40 DTCA	KL019913	44.80	45.30	0.50	0.05
			KL019914	45.30	46.00	0.70	0.00
			KL019915	46.00	47.00	1.00	0.00
			KL019916	47.00	48.10	1.10	0.00
48.10	90.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green to creamy white, epidotitic, siliceous, locally potassic, glomeroporphyritic texture, @ 61.6 6 cm barren qtz-chl vn perpendicular to CA, @ 66.8 barren 5 cm qtz-chl vn perpendicular to CA, @ 70 10 cm barren white qtz vn perpendicular to CA	KL019917	48.10	49.00	0.90	0.01
			KL019918	49.00	50.00	1.00	0.00
			KL019919	66.00	67.00	1.00	0.00
			KL019921	67.00	67.50	0.50	0.01
			KL019922	67.50	68.00	0.50	0.00
			KL019923	68.00	69.00	1.00	0.00
			KL019924	84.00	85.00	1.00	0.00
			KL019925	85.00	86.00	1.00	0.00
			KL019926	90.00	90.50	0.50	0.00
90.50	100.80	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonatized, chloritic, slightly potassic and epidotitic, glomeroporphyritic texture, scattered carb vnt' no wider than 2 cm @ 50 to 60 DTCA, approx 2 to 3% disseminated and blebby py throughout, gradational FW ct @ 50 DTCA	KL019927	90.50	91.00	0.50	0.00
			KL019928	91.00	92.00	1.00	0.01
			KL019929	92.00	93.00	1.00	0.00
			KL019931	98.00	99.00	1.00	0.00
			KL019932	99.00	100.00	1.00	0.01
			KL019933	100.00	100.80	0.80	0.01

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
100.80	170.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green to creamy white, epidotitic, siliceous, locally potassic, glomeroporphyritic texture, scattered grey carb zones up to 20 cm in width, from 123.7 to 123.8 10 cm qtz-chl vn @ 50 DTCA with approx 1 to 2% disseminated py locd @ vn ct', @ 135.4 6 cm qtz-tourmaline vn @ 50 DTCA with approx 1 to 2% disseminated py throughout surrounding wallrock, from 140.4 to 140.8 grey feldspar porphyritic dike @ 30 DTCA with sheared contacts and tr sul, from 165.4 to 165.9 dark green mafic dike @ 40 DTCA with tr sul, gradational FW ct @ 70 DTCA	KL019934	100.80	102.00	1.20	0.00
			KL019935	107.00	108.00	1.00	0.00
			KL019936	108.00	109.00	1.00	0.00
			KL019937	109.00	110.00	1.00	0.01
			KL019938	134.00	135.00	1.00	0.01
			KL019939	135.00	135.50	0.50	0.00
			KL019941	135.50	136.00	0.50	0.00
			KL019942	152.00	153.00	1.00	0.01
			KL019943	153.00	154.00	1.00	0.02
			KL019944	154.00	155.00	1.00	0.00
			KL019945	165.00	166.00	1.00	0.00
			KL019946	166.00	167.00	1.00	0.00
			KL019947	167.00	168.00	1.00	0.00
170.80	173.10	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, potassic, carbonaceous, slightly epidotitic, glomeroporphyritic texture with interstitial blue qtz eyes, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL019948	170.80	172.00	1.20	0.00
			KL019949	172.00	173.10	1.10	0.00
173.10	188.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green to creamy white, epidotitic, siliceous, locally potassic, glomeroporphyritic texture, from 176 to 179.5 slightly more potassic with interstitial blue qtz eyes and approx 2 to 3% disseminated py, scattered mafic xenoliths throughout unit, fw ct marked by 15 cm mafic xenolith, FW ct @ 70 DTCA	KL019951	187.00	188.00	1.00	0.01
188.00	201.00	GRD_SIL, Granodiorite - Silicified (Melkior) light greenish white hue, silicified, epidotitic, chloritic, sausseritization throughout, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, shp FW ct perpendicular to CA, @ 189.2 2 cm white qtz vnt @ 40 DTCA with singular patch of cpy	KL019952	188.00	189.00	1.00	0.01
			KL019953	189.00	190.00	1.00	0.00

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
201.00	241.10	FP, Feldspar Porphyry light grey, siliceous, chloritic, slightly sericitic, from 201 to 203 massive, homogeneous, speckled with qtz and chlorite, from 203 to 206 mottled with plagioclase phenocrysts, medium grained, approx 2 to 3% disseminated py, from 206 to 207 pinkish phase with pervasive potassic alteration, approx 2 to 3% disseminated py, from 207 to 230.3 light grey, medium grained, nottled with sericitized albitic phenocrysts, @ 211.3 1 cm carb infilled microfracture with 3 to 4% patchy cpy and 2 to 3% subhedral py, @ 212.15 1 cm fracture @ 40 DTCA with 6 to 7% subhedral py, @ 221.9 1 cm from 240 to 241.3 series of banded 1 cm stringers of chlorite-carbonate with 10 to 12% clusters of subhedral py oriented @ 50 DTCA within sericitized fine grained feldspar porphyry, shp FW ct @ 70 DTCA	KL019954	201.00	202.00	1.00	0.01
			KL019955	202.00	203.00	1.00	0.01
			KL019956	203.00	204.00	1.00	0.01
			KL019957	204.00	205.00	1.00	0.01
			KL019958	205.00	206.00	1.00	0.01
			KL019959	206.00	207.00	1.00	0.02
			KL019961	207.00	208.00	1.00	0.03
			KL019962	208.00	209.00	1.00	0.01
			KL019963	209.00	210.00	1.00	0.01
			KL019964	210.00	211.00	1.00	0.01
			KL019965	211.00	211.50	0.50	0.71
			KL019966	211.50	212.00	0.50	0.02
			KL019967	212.00	212.50	0.50	0.19
			KL019968	212.50	213.00	0.50	0.02
			KL019969	213.00	214.00	1.00	0.03
			KL019971	214.00	215.00	1.00	0.01
			KL019972	215.00	216.00	1.00	0.03
			KL019973	216.00	217.00	1.00	0.01
			KL019974	217.00	218.00	1.00	0.00
			KL019975	218.00	219.00	1.00	0.01
			KL019976	219.00	219.50	0.50	0.37
			KL019977	219.50	220.00	0.50	0.01
			KL019978	220.00	221.00	1.00	0.01
			KL019979	221.00	222.00	1.00	0.38
			KL019981	222.00	222.50	0.50	0.00
			KL019982	222.50	223.00	0.50	0.04
			KL019983	223.00	223.50	0.50	0.02
			KL019984	223.50	224.00	0.50	0.01
			KL019985	224.00	225.00	1.00	0.03
			KL019986	225.00	226.00	1.00	0.10
			KL019987	226.00	227.00	1.00	0.03
			KL019988	227.00	228.00	1.00	0.01
			KL019989	228.00	229.00	1.00	0.01
		KL019991	229.00	230.00	1.00	0.01	
		KL019992	230.00	231.00	1.00	0.01	
		KL019993	231.00	232.00	1.00	0.01	
		KL019994	232.00	233.00	1.00	0.05	
		KL019995	233.00	234.00	1.00	0.02	
		KL019996	234.00	234.50	0.50	0.01	
		KL019997	234.50	235.30	0.80	0.07	
		KL019998	235.30	236.00	0.70	0.00	
		KL019999	236.00	237.10	1.10	0.06	
		KL020351	237.10	237.60	0.50	0.26	

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL020352	237.60	238.10	0.50	0.02
			KL020353	238.10	239.00	0.90	0.07
			KL020354	239.00	239.50	0.50	0.01
			KL020355	239.50	240.00	0.50	0.96
			KL020356	240.00	240.50	0.50	0.32
			KL020357	240.50	241.10	0.60	0.64
241.10	249.30	GRD_SIL, Granodiorite - Silicified (Melkior) light greenish white hue, silicified, epidotitic, chloritic, slightly potassic, sausseritization and patchy leucoxene throughout, interstitial blue qtz eyes, glomeroporphyritic texture, @ 241.3 1 cm carbonate vnt @ 40 DTCA with approx 12 to 15% clusters of subhedral py, from 243.9 to 244 approx 6 to 7% clusters of subhedral py, @ 245.2 2 cm grey qtz vnt @ 60 DTCA with 8 to 10% clusters of subhedral py, sheared FW ct @ 20 DTCA	KL020358	241.10	241.60	0.50	1.79
			KL020359	241.60	242.10	0.50	0.01
			KL020361	242.10	243.00	0.90	0.01
			KL020362	243.00	244.00	1.00	0.04
			KL020363	244.00	245.00	1.00	0.02
			KL020364	245.00	245.50	0.50	0.14
			KL020365	245.50	246.00	0.50	0.00
			KL020366	246.00	247.00	1.00	0.01
			KL020367	247.00	248.00	1.00	0.03
			KL020368	248.00	248.50	0.50	0.01
			KL020369	248.50	249.30	0.80	0.01

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
249.30	269.90	FP, Feldspar Porphyry light green to light grey, from 249.3 to 261.3 light green, predominantly sericitic, speckled with chlorite, fine grained, from 258 to 260 series of 1 cm chlorite-carbonate stringers @ 40 to 50 DTCA with approx 8 to 10% clusters of subhedral py, from 261.3 to 269.9 meters dark grey, medium grained, mottled with light green sericitized albitic phenocrysts, from 261.8 to 263.9 series of pyritic 1 cm vnt' @ 40 to 60 DTCA with approx 12 to 15% clusters of subhedral py within qtz vnt', @ 265.1 1 cm pyritic stringer with 12 to 15% subhedral py @ 50 DTCA, @ 266.15 1 cm carb vnt @ 50 DTCA with cluster of approx 12 to 15% subhedral and euhedral py, fractured FW ct @ 25 DTCA	KL020371	249.30	250.00	0.70	0.01
			KL020372	250.00	251.00	1.00	0.01
			KL020373	251.00	251.50	0.50	4.93
			KL020374	251.50	252.00	0.50	0.33
			KL020375	252.00	253.00	1.00	0.09
			KL020376	253.00	253.50	0.50	0.57
			KL020377	253.50	254.00	0.50	0.08
			KL020378	254.00	254.50	0.50	0.27
			KL020379	254.50	255.00	0.50	2.31
			KL020381	255.00	256.00	1.00	0.03
			KL020382	256.00	257.00	1.00	0.03
			KL020383	257.00	257.50	0.50	0.23
			KL020384	257.50	258.00	0.50	0.04
			KL020385	258.00	258.50	0.50	0.23
			KL020386	258.50	259.00	0.50	0.01
			KL020387	259.00	259.50	0.50	0.25
			KL020388	259.50	260.00	0.50	0.02
			KL020389	260.00	261.00	1.00	0.04
			KL020391	261.00	262.00	1.00	0.18
			KL020392	262.00	262.50	0.50	1.07
			KL020393	262.50	263.00	0.50	0.01
			KL020394	263.00	263.50	0.50	0.49
			KL020395	263.50	264.00	0.50	0.08
			KL020396	264.00	265.00	1.00	0.01
			KL020397	265.00	265.50	0.50	0.91
		KL020398	265.50	266.00	0.50	0.00	
		KL020399	266.00	266.50	0.50	0.60	
		KL020401	266.50	267.00	0.50	0.01	
		KL020402	267.00	268.00	1.00	0.00	
		KL020403	268.00	268.50	0.50	0.03	
		KL020404	268.50	269.00	0.50	0.00	
		KL020405	269.00	269.90	0.90	0.00	
269.90	277.65	GRD_SIL, Granodiorite - Silicified (Melkior) light greenish white hue, silicified, epidotitic, chloritic, slightly potassic, sausseritization and patchy leucoxene throughout, interstitial blue qtz eyes, glomeroporphyritic texture, @ 272.2 1 cm grey qtz vnt with approx 12 to 15% cluster of subhedral py, @ 272.8 2 cm grey qtz vnt @ 50 DTCA with cluster of approx 8 to 10% subhedral py, shp FW ct perpendicular to CA	KL020406	269.90	271.00	1.10	0.01
			KL020407	271.00	272.00	1.00	0.47
			KL020408	272.00	272.50	0.50	0.00
			KL020409	272.50	273.00	0.50	14.50
			KL020411	273.00	274.00	1.00	0.20
			KL020412	274.00	275.00	1.00	0.02
			KL020413	275.00	276.00	1.00	0.02
			KL020414	276.00	277.00	1.00	0.01
			KL020415	277.00	277.65	0.65	0.01

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
277.65	302.10	QFP, QUARTZ FELDSPAR PORPHYRY light green, sericitic, siliceous, locally chloritic, fine grained, massive and homogeneous, weakly foliated with foliation @ 50 DTCA, scattered qv' and pyritic vnt' parallel to CA, from 279 to 280 scattered pyritic stringers with 3 to 4% blebby py locd along carbonate and chloritic microfractures @ 60 DTCA, from 280.55 to 280.65 barren white qv perpendicular to CA, @ 270.5 and 270.7 2 1 cm pyritic vnt' @ 40 DTCA with 12 to 15% subhedral py clusters, @ 298.95 1 cm carb vnt @ 50 DTCA with approx 5 to 8% subhedral py, gradational FW ct @ 50 DTCA	KL020416	277.65	278.50	0.85	0.09
			KL020417	278.50	279.00	0.50	0.02
			KL020418	279.00	279.50	0.50	0.09
			KL020419	279.50	280.00	0.50	0.18
			KL020421	280.00	280.50	0.50	0.01
			KL020422	280.50	281.00	0.50	0.03
			KL020423	281.00	281.50	0.50	0.01
			KL020424	281.50	282.00	0.50	0.18
			KL020425	282.00	282.50	0.50	0.01
			KL020426	282.50	283.00	0.50	0.86
			KL020427	283.00	283.50	0.50	0.22
			KL020428	283.50	284.00	0.50	0.32
			KL020429	284.00	285.00	1.00	0.11
			KL020431	285.00	286.00	1.00	0.02
			KL020432	286.00	286.50	0.50	0.02
			KL020433	286.50	287.00	0.50	0.98
			KL020434	287.00	288.00	1.00	0.01
			KL020435	288.00	289.00	1.00	0.17
			KL020436	289.00	290.00	1.00	0.01
			KL020437	290.00	290.50	0.50	0.05
			KL020438	290.50	291.00	0.50	4.15
			KL020439	291.00	292.00	1.00	0.01
			KL020441	292.00	293.00	1.00	0.12
			KL020442	293.00	294.00	1.00	0.01
			KL020443	294.00	295.00	1.00	0.04
			KL020444	295.00	296.00	1.00	0.11
			KL020445	296.00	297.00	1.00	0.02
			KL020446	297.00	298.00	1.00	0.41
			KL020447	298.00	298.50	0.50	0.16
			KL020448	298.50	299.00	0.50	0.40
		KL020449	299.00	300.00	1.00	0.09	
		KL020451	300.00	301.00	1.00	0.01	
		KL020452	301.00	302.10	1.10	0.02	

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
302.10	331.90	GRD_SIL, Granodiorite - Silicified (Melkior) light greenish white hue, silicified, epidotitic, chloritic, slightly potassic, sausseritization and patchy leucoxene throughout, interstitial blue qtz eyes, glomeroporphyritic texture, from 320 to 325 increasingly epidotitic, @ 308.35 2 cm white qtz vnt @ 40 DTCA with approx 8 to 10% cluster of subhedral py, @ 314.4 2 cm carb vnt @ 25 DTCA with cluster of approx 10 to 12% subhedral py, @ 319.06 3 cm white qtz vnt @ 30 DTCA with approx 5 to 6% clusters of subhedral py, @ 329 4 cm white qtz vnt within sheared sericitic alteration halo @ 40 DTCA with approx 7 to 8% clusters of subhedral py, shp FW ct @ 70 DTCA	KL020453	302.10	303.00	0.90	1.13
			KL020454	307.00	308.00	1.00	0.00
			KL020455	308.00	308.50	0.50	1.03
			KL020456	308.50	309.00	0.50	0.01
			KL020457	309.00	310.00	1.00	0.00
			KL020458	310.00	311.00	1.00	0.00
			KL020459	311.00	312.00	1.00	0.00
			KL020461	312.00	313.00	1.00	0.02
			KL020462	313.00	314.00	1.00	0.02
			KL020463	314.00	314.50	0.50	0.25
			KL020464	314.50	315.00	0.50	0.00
			KL020465	315.00	316.00	1.00	0.01
			KL020466	316.00	317.00	1.00	0.01
			KL020467	317.00	318.00	1.00	0.00
			KL020468	318.00	319.00	1.00	0.00
			KL020469	319.00	319.50	0.50	0.28
			KL020471	319.50	320.00	0.50	0.87
			KL020472	320.00	320.50	0.50	0.03
			KL020473	320.50	321.00	0.50	0.00
			KL020474	328.00	328.50	0.50	0.00
			KL020475	328.50	329.00	0.50	0.50
			KL020476	329.00	330.00	1.00	0.00
			KL020477	330.00	331.00	1.00	0.00
			KL020478	331.00	331.90	0.90	0.00
331.90	346.00	BaM, Melkior - Basalt; fine grained; massive dark grey-green, fine grained, chloritic, slightly sericitic, abundant criss-crossing carbonate infilled microfractures, massive, fine grained, moderately fractured with fractures parallel to CA, approx 2 to 3% disseminated and scattered subhedral py, from 331.9 to 332.6 approx 5 to 6% clusters of subhedral to euhedral py, from 336 to 336.5 granodioritic xenolith @ 50 DTCA,	KL020479	331.90	332.50	0.60	0.35
			KL020481	332.50	333.00	0.50	0.05
			KL020482	333.00	334.00	1.00	0.00
			KL020483	343.00	344.00	1.00	0.01
			KL020484	344.00	345.00	1.00	0.77
			KL020485	345.00	346.00	1.00	0.00
346.00	358.80	BaFBx, Melkior - Basalt Flow Breccia light grey-green, fine grained, chloritic, siliceous, slightly sericitic, possible transitional zone with composition ranging between andesitic and dacitic, locally variolitic and amygdaloidal with quench textures. @ 347.8 2 cm qtz vnt @ 50 DTCA with 12 to 15% cluster of subhedral py, @ 349 3 1 cm pyritic bands @ 40 DTCA, approx 2 to 3% scattered blebs of py throughout unit, irregular FW ct @ 80 DTCA	KL020486	346.00	347.00	1.00	0.01
			KL020487	347.00	347.50	0.50	0.00
			KL020488	347.50	348.00	0.50	0.55
			KL020489	348.00	348.50	0.50	0.00
			KL020491	348.50	349.00	0.50	0.65
			KL020492	349.00	349.50	0.50	0.41
			KL020493	349.50	350.00	0.50	0.76
			KL020494	350.00	351.00	1.00	0.02
			KL020495	358.00	358.80	0.80	0.01

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
358.80	362.50	IF, Melkior - Iron Formation dark green, strongly magnetic, magnetite iron formation, chloritic, strongly foliated with foliation @ 70 to 80 DTCA, abundant sulphides with approx 15 to 20% semi-massive bands of pyrrhotite with strongest concentration between 361 to 361.2 meters, approx 1 to 15% banded py throughout, irregular FW ct @ 80 DTCA	KL020496	358.80	359.50	0.70	0.02
			KL020497	359.50	360.00	0.50	0.09
			KL020498	360.00	360.50	0.50	0.02
			KL020499	360.50	361.00	0.50	0.10
			KL025151	361.00	361.50	0.50	0.05
			KL025152	361.50	362.00	0.50	0.12
			KL025153	362.00	362.50	0.50	0.08
362.50	366.40	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, slightly carbonaceous, massive, homogeneous with abundant carbonate vnt' and sts subparallel to CA, tr sul, shp FW ct @ 80 DTCA	KL025154	362.50	363.00	0.50	0.00
			KL025155	366.00	366.40	0.40	0.00
366.40	367.70	IF, Melkior - Iron Formation SAA, dark green, strongly magnetic, magnetite iron formation, chloritic, strongly foliated with foliation @ 70 to 80 DTCA, abundant sulphides with approx 10 to 12% semi-massive bands of pyrrhotite and approx 7 to 8% banded py, shp FW ct @ 70 DTCA	KL025156	366.40	367.00	0.60	0.01
			KL025157	367.00	367.70	0.70	0.02
367.70	398.20	FV, Melkior - Felsic Volcanics light grey-green, siliceous, sericitic, chloritic, flow and quench textures, locally amygdaloidal, possible bleached andesitic volcanic, from 389.4 to 389.7 approx 8 to 10% coarse subhedral to euhedral py within chloritic mafic interval, occasional pinkish FP dikes and xenoliths up to 10 cm in width, approx 2 to 3% disseminated and localized clusters of subhedral py, shp FW ct @ 60 DTCA	KL025158	367.70	368.50	0.80	0.01
			KL025159	368.50	369.00	0.50	0.00
			KL025161	369.00	370.00	1.00	0.04
			KL025162	370.00	371.00	1.00	0.01
			KL025163	371.00	372.00	1.00	0.02
			KL025164	372.00	373.00	1.00	0.25
			KL025165	373.00	374.00	1.00	0.00
			KL025166	374.00	375.00	1.00	0.01
			KL025167	375.00	376.00	1.00	0.12
			KL025168	376.00	377.00	1.00	0.00
			KL025169	388.00	389.00	1.00	0.00
			KL025171	389.00	390.00	1.00	0.02
			KL025172	390.00	391.00	1.00	0.00
			KL025173	391.00	392.00	1.00	0.00
398.20	429.60	BaFBx, Melkior - Basalt Flow Breccia light grey-green, chloritic, sericitic, slightly siliceous, locally carbonaceous, brecciated flow texture throughout, from 403 to 410 approx 6 to 7% py occurring as segregated clusters of subhedral py, @ 403.5 2 cm carbonate vnt @ 40 DTCA with cluster of approx 12 to 15% subhedral py, from 426 to 426.4 buff QFP with irregular ct' @ 70 DTCA and singular patch of cpy @ 426.4, shp FW ct @ 50 DTCA	KL025174	402.00	403.00	1.00	0.00
			KL025175	403.00	403.50	0.50	0.00
			KL025176	403.50	404.00	0.50	0.02
			KL025177	404.00	405.00	1.00	0.02
			KL025178	405.00	406.00	1.00	0.04
			KL025179	406.00	407.00	1.00	0.01
			KL025181	407.00	408.00	1.00	0.00
			KL025182	408.00	409.00	1.00	0.01
			KL025183	409.00	410.00	1.00	0.01
			KL025184	410.00	411.00	1.00	0.00
			KL025185	429.00	429.60	0.60	0.00

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
429.60	440.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, locally epidotitic, interstitial blue qtz eyes, glomeroporphyritic texture, fractured core with low angle fractures from 30 DTCA to parallel to CA, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL025186	429.60	430.50	0.90	0.01
			KL025187	430.50	431.00	0.50	0.00
440.60	445.60	GRD_POT, Granodiorite - Potassic (Melkior) pinkish orange, predominantly potassic, secondarily epidotitic, glomeroporphyritic texture, strongly fractured and faulted from 438.7 to 440 with fractures subparallel to CA, tr sul, gradational FW ct perpendicular to CA					
445.60	449.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, locally epidotitic, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, irregular FW ct @ 70 DTCA					
449.10	467.80	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, fine grained, locally carbonaceous, scattered flow breccia textures, networks of microfractures infilled with carbonate, approx 2 to 3% disseminated and localized clusters of subhedral py, notably @ 457 meters with 5 to 6 % cluster of subhedral py within 5 cm carbonate patch, shp FW ct @ 70 DTCA	KL025188	449.10	450.00	0.90	0.00
			KL025189	450.00	451.00	1.00	0.00
			KL025191	451.00	451.50	0.50	0.01
			KL025192	451.50	452.00	0.50	0.00
			KL025193	452.00	453.00	1.00	0.00
			KL025194	453.00	454.00	1.00	0.00
			KL025195	454.00	455.00	1.00	0.00
			KL025196	455.00	456.00	1.00	0.00
			KL025197	456.00	456.50	0.50	0.00
			KL025198	456.50	457.00	0.50	0.00
			KL025199	457.00	457.50	0.50	0.02
			KL025201	457.50	458.00	0.50	0.00
467.80	469.10	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, glomeroporphyritic texture, tr sul, shp FW ct perpendicular to CA					
469.10	475.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, fine grained, locally carbonaceous, scattered flow breccia textures, scattered granodioritic xenoliths, slightly hematitic in sections, approx 1 to 2% disseminated py					
475.00	479.30	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA, @ 476.2 3 cm grey qtz-carb vnt @ 40 DTCA with approx 15 to 20% clusters of subhedral py, @ 476.6 3 cm grey qtz vnt @ 50 DTCA with cluster of approx 10 to 12% subhedral py	KL025202	475.00	476.00	1.00	0.02
			KL025203	476.00	476.50	0.50	2.27
			KL025204	476.50	477.00	0.50	0.77
			KL025205	477.00	477.50	0.50	0.05
			KL025206	477.50	478.00	0.50	0.01
			KL025207	478.00	478.50	0.50	0.02
			KL025208	478.50	479.30	0.80	0.01
479.30	485.60	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, hematitic with interstitial white calcite, glomeroporphyritic texture, from 483.2 to 484.2 dark hematitic and chloritic mafic dike @ 70 DTCA, tr sul, shp fractured FW ct @ 50 DTCA	KL025209	479.30	480.00	0.70	0.01

DETAILED LOG

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
485.60	488.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, glomeroporphyritic texture, tr sul, irregular FW ct perpendicular to CA,					
488.00	499.00	BaM, Melkior - Basalt; fine grained; massive dark green with reddish hue, chloritic with pervasive hematitic alteration, fine grained, moderately foliated with foliation @ 50 DTCA, abundant carbonate infilled tension gashes predominantly oriented @ 60 to 70 DTCA, approx 2 to 3% segregated clusters of subhedral py, from 496.1 to 496.3 patchy pistachio green alteration, possibly serpentine with clusters of 3 to 4% coarse subhedral py, gradational FW ct @ 50 DTCA	KL025211	492.00	493.00	1.00	0.01
			KL025212	493.00	494.00	1.00	0.00
			KL025213	494.00	495.00	1.00	0.01
			KL025214	495.00	496.00	1.00	0.01
			KL025215	496.00	496.50	0.50	0.01
			KL025216	496.50	497.00	0.50	0.01
			KL025217	497.00	498.00	1.00	0.01
			KL025218	498.00	499.00	1.00	0.03
499.00	538.50	FV, Melkior - Felsic Volcanics light grey-green, siliceous, locally chloritic and sericitic, pervasive potassic alteration locally, fine grained, flowy textures, abundant qtz-carb vnt' varying in orientation from 50 DTCA to parallel to CA, approx 2 to 3% disseminated and localized clusters of subhedral py, @ 501.3 2 cm carb vnt @ 40 DTCA with approx 5 to 6% cluster of subhedral py, @ 502 2 cm carb vnt @ 40 DTCA parallel to sheared wallrock with approx 8 to 10% clusters of subhedral py, @ 502.2 4 cm carb vnt @ 40 DTCA with clusters of approx 25 to 30% subhedral py, @ 502.5 3 cm carb vnt @ 40 DTCA with clusters of approx 15 to 20% subhedral py, @ 508.2 1 cm grey qtz vnt within sheared fabric @ 30 DTCA with approx 3 to 4% disseminated py, @ 510.8 4 cm wtz vnt @ 50 DTCA within sheared fabric with approx 6 to 7% cluster of subhedral py, from 516.3 to 516.7 patchy white qtz-carb vnt' parallel to CA with approx 3 to 4% disseminated py, from 526 to 538.5 pinkish hue with increasing pervasive potassic alteration, shp FW ct @ 50 DTCA	KL025219	499.00	500.00	1.00	0.01
			KL025221	500.00	501.00	1.00	0.02
			KL025222	501.00	501.50	0.50	0.06
			KL025223	501.50	502.00	0.50	1.07
			KL025224	502.00	502.50	0.50	7.92
			KL025225	502.50	503.00	0.50	0.01
			KL025226	503.00	504.00	1.00	0.02
			KL025227	504.00	505.00	1.00	0.01
			KL025228	505.00	505.50	0.50	0.01
			KL025229	505.50	506.00	0.50	0.01
			KL025231	506.00	506.50	0.50	0.01
			KL025232	506.50	507.00	0.50	0.00
			KL025233	507.00	508.00	1.00	0.01
			KL025234	508.00	508.50	0.50	0.00
			KL025235	508.50	509.00	0.50	0.00
			KL025236	509.00	510.00	1.00	0.01
			KL025237	510.00	510.50	0.50	0.01
			KL025238	510.50	511.00	0.50	2.07
			KL025239	511.00	512.00	1.00	0.03
			KL025241	512.00	513.00	1.00	0.00
			KL025242	513.00	514.00	1.00	0.00
			KL025243	514.00	515.00	1.00	0.00
			KL025244	515.00	516.00	1.00	0.00
			KL025245	516.00	517.00	1.00	0.00
			KL025246	517.00	518.00	1.00	0.00
			KL025247	536.00	537.00	1.00	0.02
			KL025248	537.00	538.00	1.00	0.00
			KL025249	538.00	538.50	0.50	0.00

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
538.50	552.30	GAB, Gabbro dark green, medium grained, chloritic, locally sericitic, somewhat massive homogeneous texture, interstitial altered plagioclase and pyroxenes, from 539.6 to 539.8 cluster of approx 6 to 7% coarse subhedral py, from 550.9 to 551.2 pinkish potassic and quartzose feldspar porphyritic dike with irregular HW and sheared FW ct' @ 50 and 40 DTCA respectively, approx 3 to 4% blebby and smeared py @ FW ct, from 551.3 to 551.7 pink QFP with potassic and silicification alteration, approx 2 to 3% disseminated py, irregular HW and FW ct' @ 70 DTCA, shp FW ct @ 30 DTCA	KL025251	538.50	539.00	0.50	0.00
			KL025252	539.00	540.00	1.00	0.01
			KL025253	540.00	541.00	1.00	0.00
			KL025254	550.00	551.00	1.00	0.01
			KL025255	551.00	551.50	0.50	0.04
			KL025256	551.50	552.30	0.80	0.00
552.30	557.50	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white, silicified, slightly potassic and epidotitic, admixture with albitite phase, medium grained to aphanitic, speckled with chlorite, abundant microfractures infilled with chlorite, interstitial white calcite, approx 2 to 3% disseminated py occurring within mafic xenoliths, irregular FW ct @ 50 DTCA	KL025257	552.30	553.00	0.70	0.00
			KL025258	553.00	554.00	1.00	0.02
			KL025259	554.00	555.00	1.00	0.00
			KL025261	555.00	556.00	1.00	0.00
			KL025262	556.00	557.00	1.00	0.00
			KL025263	557.00	557.50	0.50	0.00
557.50	560.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, moderately foliated with foliation @ 50 DTCA, approx 1 to 2% disseminated py, sheared FW ct @ 70 DTCA	KL025264	557.50	558.00	0.50	0.00
			KL025265	558.00	559.00	1.00	0.00
			KL025266	559.00	560.00	1.00	0.01
			KL025267	560.00	560.90	0.90	0.00
560.90	562.00	IF, Melkior - Iron Formation dark green to black, strongly magnetic, magnetite iron formation, locally siliceous and carbonaceous, moderately foliated with foliation @ 60 DTCA, approx 4 to 5% pyrrhotite and 3 to 4% py, shp FW ct @ 60 DTCA	KL025268	560.90	562.00	1.10	0.01
562.00	568.50	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, moderately foliated with foliation @ 50 DTCA, approx 3 to 4% localized clusters of subhedral py notably from 565.3 to 565.5 meters, fractured FW ct @ 70 DTCA	KL025269	565.00	566.00	1.00	0.00
			KL025271	566.00	567.00	1.00	0.00
			KL025272	567.00	568.00	1.00	0.00
			KL025273	568.00	568.50	0.50	0.00
568.50	573.30	IF, Melkior - Iron Formation dark green to black, strongly magnetic, magnetite iron formation, locally siliceous and carbonaceous, moderately foliated with foliation @ 60 DTCA, approx 6 to 7% clusters and smears of subhedral py throughout unit, from 569 to 570 broken subrounded silicified cherty clasts within chloritic subaqueous environment, shp FW ct @ 50 DTCA	KL025274	568.50	569.00	0.50	0.02
			KL025275	569.00	570.00	1.00	0.00
			KL025276	570.00	571.00	1.00	0.01
			KL025277	571.00	572.00	1.00	0.00
			KL025278	572.00	572.50	0.50	0.00
			KL025279	572.50	573.30	0.80	0.00
573.30	577.60	FV, Melkior - Felsic Volcanics light grey-green, siliceous, sericitic, chloritic, flow and quench textures, locally amygdaloidal, possible bleached andesitic volcanic, approx 2 to 3% disseminated py, gradational FW ct @ 60 DTCA	KL025281	573.30	574.00	0.70	0.00

Hole Number: **CAR-22-28**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
577.60	617.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, patchy sericitic alteration throughout, moderately foliated with foliation @ 50 DTCA, approx 3 to 4% localized clusters of subhedral py, @ 593.4 2 cm grey qtz vnt @ 40 DTCA with approx 20 to 25% clusters of subhedral py, from 593.7 to 593.8 10 cm pink feldspar porphyry dike @ 40 DTCA with approx 2 to 3% disseminated py locd along ct', from 601.3 to 602 approx 10 to 12% localized with fractures within chloritic and cherty iron formation, weakly magnetic, from 604.8 to 605.1 approx 8 to 10% disseminated py within strongly magnetic magnetite rich iron formation with foliation @ 70 DTCA, from 606 to 607 blocky core with fractures perpendicular to CA, from 616 to 616.7 light green sericitic and silicified QFP, approx 1 to 2% disseminated py, irregular HW and FW ct' @ 50 and 40 DTCA respectively	KL025282	580.00	581.00	1.00	0.00
			KL025283	581.00	582.00	1.00	0.00
			KL025284	582.00	583.00	1.00	0.00
			KL025285	590.00	591.00	1.00	0.02
			KL025286	591.00	592.00	1.00	0.00
			KL025287	592.00	593.00	1.00	0.00
			KL025288	593.00	593.50	0.50	2.58
			KL025289	593.50	594.00	0.50	0.01
			KL025291	594.00	595.00	1.00	0.00
			KL025292	595.00	596.00	1.00	0.00
			KL025293	596.00	597.00	1.00	0.00
			KL025294	600.00	600.50	0.50	0.01
			KL025295	600.50	601.30	0.80	0.00
			KL025296	601.30	602.00	0.70	0.01
			KL025297	602.00	603.00	1.00	0.00
			KL025298	603.00	604.00	1.00	0.00
			KL025299	604.00	604.50	0.50	0.00
			KL025301	604.50	605.00	0.50	0.01
		KL025302	605.00	605.50	0.50	0.01	
		KL025303	605.50	606.00	0.50	0.00	
		KL025304	615.00	616.00	1.00	0.00	
		KL025305	616.00	617.00	1.00	0.00	
		KL025306	617.00	617.90	0.90	0.00	
617.90	620.80	QFP, QUARTZ FELDSPAR PORPHYRY light green, silicified, sericitic, locally potassic, aphanitic, massive, homogeneous, microfractures infilled with chlorite, approx 1 to 2% disseminated py, shp HW and FW ct' @ 70 and 80 DTCA respectively	KL025307	617.90	619.00	1.10	0.00
			KL025308	619.00	620.00	1.00	0.00
			KL025309	620.00	620.80	0.80	0.00
620.80	624.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, patchy sericitic alteration throughout, moderately foliated with foliation @ 50 DTCA, abundant carb infilled tension gashes @ 50 to 60 DTCA, approx 1 to 2% disseminated py	KL025311	620.80	622.00	1.20	0.00
			KL025312	622.00	623.00	1.00	0.00
			KL025313	623.00	624.00	1.00	0.00
624.00	639.00	FZ, Fault Zone dark green, very blocky core with poor RQD, chloritic, locally massive with scattered flow textures, approx 1 to 2% disseminated py, fractures predominantly oriented @ 60 to 70 DTCA	KL025314	624.00	625.00	1.00	0.00
			KL025315	625.00	626.00	1.00	0.00
			KL025316	626.00	627.00	1.00	0.00

Hole Number: **CAR-22-28**

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
639.00	683.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, patchy sericitic alteration throughout, moderately foliated with foliation @ 50 DTCA, abundant carb infilled tension gashes @ 50 to 60 DTCA, approx 1 to 2% disseminated py, from 680.6 to 681.5 feldspar porphyritic dike creamy yellowish, coarse albitic phenocrysts, silicified, sericitic, approx 1 to 2% disseminated py, shp HW and FW ct' @ 60 and 70 DTCA respectively, @ 682.9 approx 3 to 4% brassy pyritic smears within sericitic patch	KL025317	648.00	649.00	1.00	0.01
			KL025318	649.00	650.00	1.00	0.12
			KL025319	650.00	651.00	1.00	0.09
			KL025321	669.00	670.00	1.00	0.00
			KL025322	670.00	671.00	1.00	0.01
			KL025323	680.00	680.60	0.60	0.26
			KL025324	680.60	681.50	0.90	0.00
			KL025325	681.50	682.00	0.50	0.04
			KL025326	682.00	683.00	1.00	0.11
			KL025327	683.00	683.90	0.90	0.38
683.90	688.00	GRD_SIL, Granodiorite - Silicified (Melkior) greyish white, medium grained, interstitial plagioclase and hornblende, siliceous and sericitic, glomeroporphyritic texture, approx 1 to 2% disseminated py, shp HW and FW ct' @ 50 and 40 DTCA	KL025328	683.90	685.00	1.10	0.01
			KL025329	685.00	686.00	1.00	0.03
			KL025331	686.00	687.00	1.00	0.01
			KL025332	687.00	688.00	1.00	0.01
688.00	702.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, locally sericitic, patchy sericitic alteration throughout, moderately foliated with foliation @ 60 DTCA, abundant carb infilled tension gashes @ 50 to 60 DTCA, approx 1 to 2% disseminated py, EOH @ 702 meters	KL025333	688.00	689.00	1.00	0.05

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019889	12.00	13.00	0.0025
KL019891	13.00	14.00	0.0050
KL019892	14.00	15.00	0.0025
KL019893	15.00	16.00	0.0090
KL019894	16.00	17.00	0.0025
KL019895	32.00	33.00	0.0025
KL019896	33.00	33.50	0.0025
KL019897	33.50	34.00	0.0090
KL019898	34.00	34.50	0.0025
KL019899	34.50	35.00	0.0025
KL019901	35.00	36.00	0.0050
KL019902	36.00	37.00	0.0080
KL019903	37.00	38.00	0.0050
KL019904	38.00	39.00	0.0050
KL019905	39.00	40.00	0.0060
KL019906	40.00	41.00	0.0025
KL019907	41.00	42.00	0.0025
KL019908	42.00	43.00	0.0050

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL019909	43.00	43.60	0.0060
KL019911	43.60	44.10	0.0025
KL019912	44.10	44.80	0.0110
KL019913	44.80	45.30	0.0450
KL019914	45.30	46.00	0.0025
KL019915	46.00	47.00	0.0025
KL019916	47.00	48.10	0.0025
KL019917	48.10	49.00	0.0050
KL019918	49.00	50.00	0.0025
KL019919	66.00	67.00	0.0025
KL019921	67.00	67.50	0.0060
KL019922	67.50	68.00	0.0025
KL019923	68.00	69.00	0.0025
KL019924	84.00	85.00	0.0025
KL019925	85.00	86.00	0.0025
KL019926	90.00	90.50	0.0025
KL019927	90.50	91.00	0.0025
KL019928	91.00	92.00	0.0050
KL019929	92.00	93.00	0.0025
KL019931	98.00	99.00	0.0025
KL019932	99.00	100.00	0.0070
KL019933	100.00	100.80	0.0140
KL019934	100.80	102.00	0.0025
KL019935	107.00	108.00	0.0025
KL019936	108.00	109.00	0.0025
KL019937	109.00	110.00	0.0060
KL019938	134.00	135.00	0.0050
KL019939	135.00	135.50	0.0025
KL019941	135.50	136.00	0.0025
KL019942	152.00	153.00	0.0120
KL019943	153.00	154.00	0.0200
KL019944	154.00	155.00	0.0025
KL019945	165.00	166.00	0.0025
KL019946	166.00	167.00	0.0025
KL019947	167.00	168.00	0.0025
KL019948	170.80	172.00	0.0025
KL019949	172.00	173.10	0.0025
KL019951	187.00	188.00	0.0140
KL019952	188.00	189.00	0.0090

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019953	189.00	190.00	0.0025
KL019954	201.00	202.00	0.0140
KL019955	202.00	203.00	0.0130
KL019956	203.00	204.00	0.0070
KL019957	204.00	205.00	0.0050
KL019958	205.00	206.00	0.0080
KL019959	206.00	207.00	0.0210
KL019961	207.00	208.00	0.0320
KL019962	208.00	209.00	0.0050
KL019963	209.00	210.00	0.0140
KL019964	210.00	211.00	0.0100
KL019965	211.00	211.50	0.7080
KL019966	211.50	212.00	0.0150
KL019967	212.00	212.50	0.1850
KL019968	212.50	213.00	0.0160
KL019969	213.00	214.00	0.0250
KL019971	214.00	215.00	0.0090
KL019972	215.00	216.00	0.0290
KL019973	216.00	217.00	0.0120
KL019974	217.00	218.00	0.0025
KL019975	218.00	219.00	0.0130
KL019976	219.00	219.50	0.3720
KL019977	219.50	220.00	0.0060
KL019978	220.00	221.00	0.0100
KL019979	221.00	222.00	0.3760
KL019981	222.00	222.50	0.0025
KL019982	222.50	223.00	0.0440
KL019983	223.00	223.50	0.0160
KL019984	223.50	224.00	0.0090
KL019985	224.00	225.00	0.0250
KL019986	225.00	226.00	0.0950
KL019987	226.00	227.00	0.0320
KL019988	227.00	228.00	0.0050
KL019989	228.00	229.00	0.0100
KL019991	229.00	230.00	0.0140
KL019992	230.00	231.00	0.0110
KL019993	231.00	232.00	0.0140
KL019994	232.00	233.00	0.0500
KL019995	233.00	234.00	0.0190

Hole Number: **CAR-22-28**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL019996	234.00	234.50	0.0080
KL019997	234.50	235.30	0.0700
KL019998	235.30	236.00	0.0025
KL019999	236.00	237.10	0.0570
KL020351	237.10	237.60	0.2580
KL020352	237.60	238.10	0.0240
KL020353	238.10	239.00	0.0730
KL020354	239.00	239.50	0.0070
KL020355	239.50	240.00	0.9590
KL020356	240.00	240.50	0.3240
KL020357	240.50	241.10	0.6370
KL020358	241.10	241.60	1.7900
KL020359	241.60	242.10	0.0090
KL020361	242.10	243.00	0.0110
KL020362	243.00	244.00	0.0400
KL020363	244.00	245.00	0.0150
KL020364	245.00	245.50	0.1360
KL020365	245.50	246.00	0.0025
KL020366	246.00	247.00	0.0050
KL020367	247.00	248.00	0.0290
KL020368	248.00	248.50	0.0050
KL020369	248.50	249.30	0.0050
KL020371	249.30	250.00	0.0090
KL020372	250.00	251.00	0.0050
KL020373	251.00	251.50	4.9300
KL020374	251.50	252.00	0.3310
KL020375	252.00	253.00	0.0930
KL020376	253.00	253.50	0.5730
KL020377	253.50	254.00	0.0780
KL020378	254.00	254.50	0.2670
KL020379	254.50	255.00	2.3100
KL020381	255.00	256.00	0.0290
KL020382	256.00	257.00	0.0320
KL020383	257.00	257.50	0.2270
KL020384	257.50	258.00	0.0400
KL020385	258.00	258.50	0.2340
KL020386	258.50	259.00	0.0100
KL020387	259.00	259.50	0.2450
KL020388	259.50	260.00	0.0180

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL020389	260.00	261.00	0.0420
KL020391	261.00	262.00	0.1760
KL020392	262.00	262.50	1.0700
KL020393	262.50	263.00	0.0090
KL020394	263.00	263.50	0.4940
KL020395	263.50	264.00	0.0840
KL020396	264.00	265.00	0.0060
KL020397	265.00	265.50	0.9110
KL020398	265.50	266.00	0.0025
KL020399	266.00	266.50	0.5990
KL020401	266.50	267.00	0.0070
KL020402	267.00	268.00	0.0025
KL020403	268.00	268.50	0.0310
KL020404	268.50	269.00	0.0025
KL020405	269.00	269.90	0.0025
KL020406	269.90	271.00	0.0050
KL020407	271.00	272.00	0.4670
KL020408	272.00	272.50	0.0025
KL020409	272.50	273.00	14.5000
KL020411	273.00	274.00	0.1950
KL020412	274.00	275.00	0.0190
KL020413	275.00	276.00	0.0170
KL020414	276.00	277.00	0.0120
KL020415	277.00	277.65	0.0130
KL020416	277.65	278.50	0.0880
KL020417	278.50	279.00	0.0230
KL020418	279.00	279.50	0.0890
KL020419	279.50	280.00	0.1780
KL020421	280.00	280.50	0.0130
KL020422	280.50	281.00	0.0320
KL020423	281.00	281.50	0.0120
KL020424	281.50	282.00	0.1820
KL020425	282.00	282.50	0.0130
KL020426	282.50	283.00	0.8570
KL020427	283.00	283.50	0.2160
KL020428	283.50	284.00	0.3240
KL020429	284.00	285.00	0.1090
KL020431	285.00	286.00	0.0150
KL020432	286.00	286.50	0.0210

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Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL020433	286.50	287.00	0.9750
KL020434	287.00	288.00	0.0080
KL020435	288.00	289.00	0.1700
KL020436	289.00	290.00	0.0060
KL020437	290.00	290.50	0.0480
KL020438	290.50	291.00	4.1500
KL020439	291.00	292.00	0.0110
KL020441	292.00	293.00	0.1190
KL020442	293.00	294.00	0.0080
KL020443	294.00	295.00	0.0350
KL020444	295.00	296.00	0.1130
KL020445	296.00	297.00	0.0150
KL020446	297.00	298.00	0.4050
KL020447	298.00	298.50	0.1580
KL020448	298.50	299.00	0.4020
KL020449	299.00	300.00	0.0930
KL020451	300.00	301.00	0.0140
KL020452	301.00	302.10	0.0200
KL020453	302.10	303.00	1.1300
KL020454	307.00	308.00	0.0025
KL020455	308.00	308.50	1.0300
KL020456	308.50	309.00	0.0070
KL020457	309.00	310.00	0.0025
KL020458	310.00	311.00	0.0025
KL020459	311.00	312.00	0.0025
KL020461	312.00	313.00	0.0150
KL020462	313.00	314.00	0.0160
KL020463	314.00	314.50	0.2530
KL020464	314.50	315.00	0.0025
KL020465	315.00	316.00	0.0120
KL020466	316.00	317.00	0.0080
KL020467	317.00	318.00	0.0025
KL020468	318.00	319.00	0.0025
KL020469	319.00	319.50	0.2840
KL020471	319.50	320.00	0.8690
KL020472	320.00	320.50	0.0310
KL020473	320.50	321.00	0.0025
KL020474	328.00	328.50	0.0025
KL020475	328.50	329.00	0.5000

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL020476	329.00	330.00	0.0025
KL020477	330.00	331.00	0.0025
KL020478	331.00	331.90	0.0025
KL020479	331.90	332.50	0.3490
KL020481	332.50	333.00	0.0530
KL020482	333.00	334.00	0.0025
KL020483	343.00	344.00	0.0120
KL020484	344.00	345.00	0.7720
KL020485	345.00	346.00	0.0025
KL020486	346.00	347.00	0.0050
KL020487	347.00	347.50	0.0025
KL020488	347.50	348.00	0.5460
KL020489	348.00	348.50	0.0025
KL020491	348.50	349.00	0.6450
KL020492	349.00	349.50	0.4130
KL020493	349.50	350.00	0.7620
KL020494	350.00	351.00	0.0220
KL020495	358.00	358.80	0.0140
KL020496	358.80	359.50	0.0220
KL020497	359.50	360.00	0.0890
KL020498	360.00	360.50	0.0210
KL020499	360.50	361.00	0.0990
KL025151	361.00	361.50	0.0540
KL025152	361.50	362.00	0.1230
KL025153	362.00	362.50	0.0790
KL025154	362.50	363.00	0.0025
KL025155	366.00	366.40	0.0025
KL025156	366.40	367.00	0.0080
KL025157	367.00	367.70	0.0170
KL025158	367.70	368.50	0.0060
KL025159	368.50	369.00	0.0025
KL025161	369.00	370.00	0.0430
KL025162	370.00	371.00	0.0050
KL025163	371.00	372.00	0.0220
KL025164	372.00	373.00	0.2480
KL025165	373.00	374.00	0.0025
KL025166	374.00	375.00	0.0050
KL025167	375.00	376.00	0.1190
KL025168	376.00	377.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025169	388.00	389.00	0.0025
KL025171	389.00	390.00	0.0170
KL025172	390.00	391.00	0.0025
KL025173	391.00	392.00	0.0025
KL025174	402.00	403.00	0.0025
KL025175	403.00	403.50	0.0025
KL025176	403.50	404.00	0.0160
KL025177	404.00	405.00	0.0160
KL025178	405.00	406.00	0.0360
KL025179	406.00	407.00	0.0110
KL025181	407.00	408.00	0.0025
KL025182	408.00	409.00	0.0100
KL025183	409.00	410.00	0.0050
KL025184	410.00	411.00	0.0025
KL025185	429.00	429.60	0.0025
KL025186	429.60	430.50	0.0110
KL025187	430.50	431.00	0.0025
KL025188	449.10	450.00	0.0025
KL025189	450.00	451.00	0.0025
KL025191	451.00	451.50	0.0090
KL025192	451.50	452.00	0.0025
KL025193	452.00	453.00	0.0025
KL025194	453.00	454.00	0.0025
KL025195	454.00	455.00	0.0025
KL025196	455.00	456.00	0.0025
KL025197	456.00	456.50	0.0025
KL025198	456.50	457.00	0.0025
KL025199	457.00	457.50	0.0180
KL025201	457.50	458.00	0.0025
KL025202	475.00	476.00	0.0240
KL025203	476.00	476.50	2.2700
KL025204	476.50	477.00	0.7670
KL025205	477.00	477.50	0.0500
KL025206	477.50	478.00	0.0050
KL025207	478.00	478.50	0.0160
KL025208	478.50	479.30	0.0060
KL025209	479.30	480.00	0.0070
KL025211	492.00	493.00	0.0060
KL025212	493.00	494.00	0.0025

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025213	494.00	495.00	0.0060
KL025214	495.00	496.00	0.0070
KL025215	496.00	496.50	0.0140
KL025216	496.50	497.00	0.0120
KL025217	497.00	498.00	0.0080
KL025218	498.00	499.00	0.0250
KL025219	499.00	500.00	0.0060
KL025221	500.00	501.00	0.0190
KL025222	501.00	501.50	0.0600
KL025223	501.50	502.00	1.0700
KL025224	502.00	502.50	7.9200
KL025225	502.50	503.00	0.0140
KL025226	503.00	504.00	0.0180
KL025227	504.00	505.00	0.0090
KL025228	505.00	505.50	0.0100
KL025229	505.50	506.00	0.0130
KL025231	506.00	506.50	0.0060
KL025232	506.50	507.00	0.0025
KL025233	507.00	508.00	0.0100
KL025234	508.00	508.50	0.0025
KL025235	508.50	509.00	0.0025
KL025236	509.00	510.00	0.0080
KL025237	510.00	510.50	0.0060
KL025238	510.50	511.00	2.0700
KL025239	511.00	512.00	0.0310
KL025241	512.00	513.00	0.0025
KL025242	513.00	514.00	0.0025
KL025243	514.00	515.00	0.0025
KL025244	515.00	516.00	0.0025
KL025245	516.00	517.00	0.0025
KL025246	517.00	518.00	0.0025
KL025247	536.00	537.00	0.0210
KL025248	537.00	538.00	0.0025
KL025249	538.00	538.50	0.0025
KL025251	538.50	539.00	0.0025
KL025252	539.00	540.00	0.0070
KL025253	540.00	541.00	0.0025
KL025254	550.00	551.00	0.0050
KL025255	551.00	551.50	0.0350

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025256	551.50	552.30	0.0025
KL025257	552.30	553.00	0.0025
KL025258	553.00	554.00	0.0170
KL025259	554.00	555.00	0.0025
KL025261	555.00	556.00	0.0025
KL025262	556.00	557.00	0.0025
KL025263	557.00	557.50	0.0025
KL025264	557.50	558.00	0.0025
KL025265	558.00	559.00	0.0025
KL025266	559.00	560.00	0.0070
KL025267	560.00	560.90	0.0025
KL025268	560.90	562.00	0.0110
KL025269	565.00	566.00	0.0025
KL025271	566.00	567.00	0.0025
KL025272	567.00	568.00	0.0025
KL025273	568.00	568.50	0.0025
KL025274	568.50	569.00	0.0200
KL025275	569.00	570.00	0.0025
KL025276	570.00	571.00	0.0050
KL025277	571.00	572.00	0.0025
KL025278	572.00	572.50	0.0025
KL025279	572.50	573.30	0.0025
KL025281	573.30	574.00	0.0025
KL025282	580.00	581.00	0.0025
KL025283	581.00	582.00	0.0025
KL025284	582.00	583.00	0.0025
KL025285	590.00	591.00	0.0180
KL025286	591.00	592.00	0.0025
KL025287	592.00	593.00	0.0025
KL025288	593.00	593.50	2.5800
KL025289	593.50	594.00	0.0110
KL025291	594.00	595.00	0.0025
KL025292	595.00	596.00	0.0025
KL025293	596.00	597.00	0.0025
KL025294	600.00	600.50	0.0110
KL025295	600.50	601.30	0.0025
KL025296	601.30	602.00	0.0100
KL025297	602.00	603.00	0.0025
KL025298	603.00	604.00	0.0025

Hole Number: **CAR-22-28**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL025299	604.00	604.50	0.0025
KL025301	604.50	605.00	0.0070
KL025302	605.00	605.50	0.0070
KL025303	605.50	606.00	0.0025
KL025304	615.00	616.00	0.0025
KL025305	616.00	617.00	0.0025
KL025306	617.00	617.90	0.0025
KL025307	617.90	619.00	0.0025
KL025308	619.00	620.00	0.0025
KL025309	620.00	620.80	0.0025
KL025311	620.80	622.00	0.0025
KL025312	622.00	623.00	0.0025
KL025313	623.00	624.00	0.0025
KL025314	624.00	625.00	0.0025
KL025315	625.00	626.00	0.0025
KL025316	626.00	627.00	0.0025
KL025317	648.00	649.00	0.0140
KL025318	649.00	650.00	0.1160
KL025319	650.00	651.00	0.0860
KL025321	669.00	670.00	0.0025
KL025322	670.00	671.00	0.0120
KL025323	680.00	680.60	0.2640
KL025324	680.60	681.50	0.0025
KL025325	681.50	682.00	0.0350
KL025326	682.00	683.00	0.1070
KL025327	683.00	683.90	0.3760
KL025328	683.90	685.00	0.0120
KL025329	685.00	686.00	0.0330
KL025331	686.00	687.00	0.0140
KL025332	687.00	688.00	0.0080
KL025333	688.00	689.00	0.0520

DETAILED LOG

Hole Number: **CAR-22-29**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5357761.13	North: 35038.97	Collar Az: 120.00
Location: Carscallen Township	East: 450946.73	East: -130597.57	Length: 462.50
	Elev: 333.99	Elev: 5033.99	Start Depth: 0.00
Date Started: Sep 07, 2022	Collar Survey: N	Plugged: N	Final Depth: 462.50
Date Completed: Sep 12, 2022	Multishot Survey: N	Hole Size: NQ	
	Pulse EM Survey: N	Casing: YES	
		Contractor: Major	
		Core Storage: Carscallen	
		Logged by: Peter Caldbick	

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	120.00	-60.00	EZ Sho	OK		15.00	119.24	-59.57	EZ Sho	OK	
66.00	118.90	-59.30	EZ Sho	OK		117.00	119.10	-59.09	EZ Sho	OK	
168.00	119.95	-58.85	EZ Sho	OK		219.00	119.97	-58.17	EZ Sho	OK	
270.00	119.51	-57.83	EZ Sho	OK		321.00	119.91	-57.37	EZ Sho	OK	
372.00	120.59	-56.50	EZ Sho	OK		423.00	121.24	-56.16	EZ Sho	OK	
462.00	120.83	-55.73	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	1.20	OVB, MELKIOR - Overburden					
1.20	60.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones notably from 7 to 8.5 meters and from 10 to 11 meters, glomeroporphyritic texture, @ 16.9 3 cm qtz tourmaline vnt @ 60 DTCA with tr sul					
60.40	62.00	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational HW and FW ct' @ 70 DTCA	KL025334	60.40	61.00	0.60	0.01
			KL025335	61.00	62.00	1.00	0.01
62.00	64.90	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
64.90	66.50	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational HW and FW ct' @ 70 DTCA	KL025336	64.90	66.00	1.10	0.02
			KL025337	66.00	66.50	0.50	0.01
66.50	69.60	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL025338	66.50	67.00	0.50	0.01

Hole Number: **CAR-22-29**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
69.60	79.90	GRD_POT, Granodiorite - Potassic (Melkior) orange to burgandy red, potassic, locally hematitic notably from 70.5 to 72 meters, hematitic sections possess interstitial white calcite, from 76.5 to 78 strongly fractured section with blocky core, fractures oriented @ 40 DTCA, tr sul					
79.90	86.60	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic with interstitial white calcite, glomeroporphyritic texture, tr sul, fractured FW ct @ 30 DTCA	KL025339	86.00	86.60	0.60	0.02
86.60	100.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA, @ 87.3 2 cm carbonate vnt @ 40 DTCA with cluster of approx 8 to 10% subhedral py	KL025341	86.60	87.10	0.50	0.01
			KL025342	87.10	87.60	0.50	0.06
			KL025343	87.60	88.50	0.90	0.01
			KL025344	88.50	89.00	0.50	0.00
			KL025345	99.00	100.20	1.20	0.00
100.20	100.90	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, weakly potassic glomeroporphyritic texture, @ 100.6 3 cm carbonate vnt @ 30 DTCA with approx 20 to 25% cluster of subhedral py, shp FW ct @ 50 DTCA	KL025346	100.20	100.90	0.70	2.29
100.90	130.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA,, @ 127.1 5 cm carbonate vnt parallel to CA with approx 1 to 2% disseminated py	KL025347	100.90	102.00	1.10	0.01
			KL025348	126.00	127.00	1.00	0.01
			KL025349	127.00	127.50	0.50	0.01
			KL025351	127.50	128.00	0.50	0.01
			KL025352	128.00	129.00	1.00	0.00
			KL025353	129.00	130.00	1.00	0.00
			KL025354	130.00	130.70	0.70	0.01
130.70	141.80	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic with interstitial white calcite, glomeroporphyritic texture, tr sul, gradational FW ct @ 80 DTCA	KL025355	130.70	131.50	0.80	0.01
			KL025356	131.50	132.00	0.50	0.01
			KL025357	141.00	141.80	0.80	0.00
141.80	175.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA	KL025358	141.80	143.00	1.20	0.00
175.20	179.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, slightly potassic, carbonaceous, chloritic glomeroporphyritic texture, from 176 to 176.2 approx 3 to 4% disseminated py occurring within carbonaceous bands @ 40 DTCA, from 176.9 to 177.2 broken crumbled core, localized faulted section, from 178.1 to 178.4 sheared mafic chloritic section with foliation @ 70 DTCA, tr sul	KL025359	175.20	175.70	0.50	0.03
			KL025361	175.70	176.20	0.50	0.19
			KL025362	176.20	177.00	0.80	0.11
			KL025363	177.00	178.00	1.00	0.01
			KL025364	178.00	179.00	1.00	0.56
179.00	195.40	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, sharp FW ct @ 40 DTCA	KL025365	194.00	194.50	0.50	0.01
			KL025366	194.50	195.40	0.90	0.65
195.40	196.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, approx 12 to 15% disseminated and subhedral aggregates of py, strongest cocentration of sulphides approx 20 to 25% clusters of subhedral py from 195.8 to 196 meters, gradational FW ct perpendicular to CA	KL025367	195.40	196.00	0.60	19.50

Hole Number: **CAR-22-29**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
196.00	236.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA	KL025368	196.00	197.00	1.00	0.17
			KL025369	235.00	236.00	1.00	0.01
236.00	237.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, slightly potassic, carbonaceous, chloritic glomeroporphyritic texture, approx 3 to 4% disseminated and subhedral py notably from 237 to 237.3 meters, shp fractured FW ct @ 30 DTCA	KL025371	236.00	236.50	0.50	0.02
			KL025372	236.50	237.30	0.80	0.02
237.30	238.50	MD, Mafic Dyke dark green, chloritic, carbonaceous, fine grained, massive, scattered qtz-calcite vnt' and sts @ 60 to 70 DTCA, tr sul, shp fractured FW ct @ 40 DTCA	KL025373	237.30	238.00	0.70	0.02
			KL025374	238.00	238.50	0.50	0.03
238.50	242.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, @ 242.15 2 cm chloritic and carbonaceous vnt @ 40 DTCA with approx 6 to 7% cluster of subhedral py, irregular FW ct @ 70 DTCA	KL025375	238.50	239.00	0.50	0.03
			KL025376	239.00	240.00	1.00	0.02
			KL025377	240.00	241.00	1.00	0.04
			KL025378	241.00	241.70	0.70	0.03
			KL025379	241.70	242.20	0.50	0.88
242.20	248.60	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL025381	242.20	242.70	0.50	0.01
			KL025382	242.70	243.20	0.50	0.01
			KL025383	243.20	244.00	0.80	0.01
248.60	249.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA					
249.60	256.80	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL025384	256.00	256.80	0.80	0.01
256.80	258.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA, from 257.9 to 258 dark grey mafic dike perpendicular to CA	KL025385	256.80	258.10	1.30	0.01
258.10	270.85	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones notably from 268 to 269 meters, glomeroporphyritic texture, tr sul, gradational FW ct @ 50 DTCA	KL025386	258.10	259.00	0.90	0.01
270.85	276.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL025387	274.30	275.00	0.70	0.01
			KL025388	275.00	276.00	1.00	0.01
			KL025389	276.00	276.90	0.90	0.01
276.90	284.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones, tr sul, gradational FW ct perpendicular to CA	KL025391	276.90	278.00	1.10	0.01
			KL025392	278.00	278.40	0.40	0.01
			KL025393	278.40	279.40	1.00	0.01
284.00	293.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL025394	286.00	287.00	1.00	0.01
			KL025395	287.00	288.00	1.00	0.01

Hole Number: **CAR-22-29**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
293.00	302.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones, tr sul, gradational FW ct perpendicular to CA					
302.00	302.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA, from 302.2 to 302.3 10 cm white qtz vn @ 40 DTCA with approx 1 to 2% disseminated py throughout surrounding wallrock	KL025396	302.00	302.90	0.90	0.00
302.90	323.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones, tr sul, gradational FW ct perpendicular to CA	KL025397	302.90	304.00	1.10	0.00
323.00	326.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL025398	323.00	324.00	1.00	0.00
			KL025399	324.00	325.00	1.00	0.00
			KL025401	325.00	326.10	1.10	0.00
326.10	334.50	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and slightly potassic zones, tr sul, shp FW ct @ 70 DTCA	KL025402	334.00	334.50	0.50	0.00
334.50	356.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, interstitial blue qtz eyes, moderately foliated slightly sheared with foliation @ 40 to 50 DTCA, approx 2 to 3% disseminated py, from 334.9 to 335 1 cm sulphidic band with approx 20 to 25% subhedral and disseminated py parallel to CA steepening to 30 DTCA, gradational FW ct @ 70 DTCA	KL025403	334.50	335.00	0.50	0.02
			KL025404	335.00	335.50	0.50	0.01
			KL025405	335.50	336.00	0.50	0.00
			KL025406	336.00	337.00	1.00	0.01
			KL025407	337.00	338.00	1.00	0.01
			KL025408	338.00	339.00	1.00	0.01
			KL025409	339.00	340.00	1.00	0.01
			KL025411	350.00	351.00	1.00	0.01
			KL025412	351.00	352.00	1.00	0.01
			KL025413	352.00	353.00	1.00	0.02
			KL025414	353.00	354.00	1.00	0.01
			KL025415	354.00	355.00	1.00	0.01
			KL025416	355.00	356.00	1.00	0.01
KL025417	356.00	356.60	0.60	0.01			
356.60	383.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and increasingly potassic zones, scattered qtz-carb sts @ 40 to 60 DTCA, tr sul, shp FW ct @ 70 DTCA, from 368.6 to 368.9 dark green chloritic mafic dike @ 80 DTCA, tr sul, shp FW ct @ 60 DTCA	KL025418	356.60	357.10	0.50	0.01
			KL025419	383.00	383.70	0.70	0.00
383.70	386.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, from 384.5 to 385 dark green sheared chloritic and carbonaceous mafic dike with foliation @ 70 DTCA, tr sul, gradational FW ct @ 70 DTCA	KL025421	383.70	384.50	0.80	0.02
			KL025422	384.50	385.00	0.50	0.04
			KL025423	385.00	385.50	0.50	0.09
			KL025424	385.50	386.40	0.90	0.00
386.40	402.20	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and increasingly potassic zones, scattered qtz-carb sts @ 40 to 60 DTCA, tr sul, fractured FW ct @ 50 DTCA	KL025425	386.40	387.00	0.60	0.00

Hole Number: **CAR-22-29**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
402.20	414.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic glomeroporphyritic texture, interstitial blue qtz eyes, moderately foliated slightly sheared with foliation @ 40 to 50 DTCA, approx 3 to 4% disseminated py, scattered carb sts and vnt' @ 40 to 60 DTCA, gradational FW ct @ 70 DTCA	KL025426	403.00	404.00	1.00	0.00
			KL025427	404.00	405.00	1.00	0.00
			KL025428	405.00	406.00	1.00	0.00
			KL025429	406.00	407.00	1.00	0.01
			KL025431	407.00	408.00	1.00	0.00
			KL025432	408.00	409.00	1.00	0.00
			KL025433	409.00	410.00	1.00	0.01
			KL025434	410.00	411.00	1.00	0.00
			KL025435	411.00	412.00	1.00	0.01
			KL025436	412.00	413.00	1.00	0.01
			KL025437	413.00	414.00	1.00	0.01
			KL025438	414.00	414.70	0.70	0.01
414.70	433.40	GRD_POT, Granodiorite - Potassic (Melkior) brick red, potassic, slightly hematitic and epidotitic, interstitial blue qtz eyes, abundant pink carb sts and vnt' @ 50 to 70 DTCA, tr sul, gradational FW ct perpendicular to CA	KL025439	414.70	416.00	1.30	0.01
433.40	435.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark pinkish grey, chloritic, carbonaceous, weakly potassic, wispy sericitic alteration, glomeroporphyritic texture, interstitial blue qtz eyes, moderately foliated slightly sheared with foliation @ 40 to 50 DTCA, tr sul	KL025441	433.40	434.00	0.60	0.01
			KL025442	434.00	435.20	1.20	0.01
435.20	438.80	GRD_POT, Granodiorite - Potassic (Melkior) brick red, potassic, epidotitic, interstitial blue qtz eyes, abundant pink carb sts and vnt' @ 50 to 70 DTCA, tr sul, gradational FW ct @ 50 DTCA	KL025443	435.20	436.00	0.80	0.01
438.80	446.70	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, punctuated with dark pinkish grey carbonaceous and increasingly potassic zones, scattered qtz-carb sts @ 40 to 60 DTCA, tr sul, gradational FW ct @ 60 to 70 DTCA					
446.70	462.50	GRD_SIL, Granodiorite - Silicified (Melkior) pinkish creamy white, silicified, chloritic, slightly potassic, weakly carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, @ 462 2 cm white qtz vnt parallel to CA with approx 1 to 2% blebby py in surrounding wallrock, EOH @ 462.5 meters	KL025444	450.00	451.00	1.00	0.01
			KL025445	451.00	452.00	1.00	0.01
			KL025446	452.00	453.00	1.00	0.02

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025334	60.40	61.00	0.0090
KL025335	61.00	62.00	0.0100
KL025336	64.90	66.00	0.0150
KL025337	66.00	66.50	0.0130
KL025338	66.50	67.00	0.0100
KL025339	86.00	86.60	0.0170
KL025341	86.60	87.10	0.0130

Hole Number: **CAR-22-29**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025342	87.10	87.60	0.0610
KL025343	87.60	88.50	0.0090
KL025344	88.50	89.00	0.0025
KL025345	99.00	100.20	0.0025
KL025346	100.20	100.90	2.2900
KL025347	100.90	102.00	0.0080
KL025348	126.00	127.00	0.0050
KL025349	127.00	127.50	0.0070
KL025351	127.50	128.00	0.0060
KL025352	128.00	129.00	0.0025
KL025353	129.00	130.00	0.0025
KL025354	130.00	130.70	0.0070
KL025355	130.70	131.50	0.0060
KL025356	131.50	132.00	0.0080
KL025357	141.00	141.80	0.0025
KL025358	141.80	143.00	0.0025
KL025359	175.20	175.70	0.0330
KL025361	175.70	176.20	0.1860
KL025362	176.20	177.00	0.1090
KL025363	177.00	178.00	0.0060
KL025364	178.00	179.00	0.5640
KL025365	194.00	194.50	0.0050
KL025366	194.50	195.40	0.6500
KL025367	195.40	196.00	19.5000
KL025368	196.00	197.00	0.1700
KL025369	235.00	236.00	0.0140
KL025371	236.00	236.50	0.0180
KL025372	236.50	237.30	0.0180
KL025373	237.30	238.00	0.0210
KL025374	238.00	238.50	0.0290
KL025375	238.50	239.00	0.0260
KL025376	239.00	240.00	0.0190
KL025377	240.00	241.00	0.0400
KL025378	241.00	241.70	0.0290
KL025379	241.70	242.20	0.8790
KL025381	242.20	242.70	0.0050
KL025382	242.70	243.20	0.0060
KL025383	243.20	244.00	0.0080
KL025384	256.00	256.80	0.0060

Hole Number: **CAR-22-29**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL025385	256.80	258.10	0.0070
KL025386	258.10	259.00	0.0070
KL025387	274.30	275.00	0.0060
KL025388	275.00	276.00	0.0100
KL025389	276.00	276.90	0.0070
KL025391	276.90	278.00	0.0080
KL025392	278.00	278.40	0.0090
KL025393	278.40	279.40	0.0100
KL025394	286.00	287.00	0.0090
KL025395	287.00	288.00	0.0100
KL025396	302.00	302.90	0.0025
KL025397	302.90	304.00	0.0025
KL025398	323.00	324.00	0.0025
KL025399	324.00	325.00	0.0025
KL025401	325.00	326.10	0.0025
KL025402	334.00	334.50	0.0025
KL025403	334.50	335.00	0.0190
KL025404	335.00	335.50	0.0050
KL025405	335.50	336.00	0.0025
KL025406	336.00	337.00	0.0050
KL025407	337.00	338.00	0.0050
KL025408	338.00	339.00	0.0050
KL025409	339.00	340.00	0.0060
KL025411	350.00	351.00	0.0060
KL025412	351.00	352.00	0.0080
KL025413	352.00	353.00	0.0150
KL025414	353.00	354.00	0.0100
KL025415	354.00	355.00	0.0120
KL025416	355.00	356.00	0.0090
KL025417	356.00	356.60	0.0070
KL025418	356.60	357.10	0.0090
KL025419	383.00	383.70	0.0025
KL025421	383.70	384.50	0.0230
KL025422	384.50	385.00	0.0390
KL025423	385.00	385.50	0.0920
KL025424	385.50	386.40	0.0025
KL025425	386.40	387.00	0.0025
KL025426	403.00	404.00	0.0025
KL025427	404.00	405.00	0.0025

Hole Number: **CAR-22-29**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL025428	405.00	406.00	0.0025
KL025429	406.00	407.00	0.0050
KL025431	407.00	408.00	0.0025
KL025432	408.00	409.00	0.0025
KL025433	409.00	410.00	0.0080
KL025434	410.00	411.00	0.0025
KL025435	411.00	412.00	0.0050
KL025436	412.00	413.00	0.0090
KL025437	413.00	414.00	0.0070
KL025438	414.00	414.70	0.0050
KL025439	414.70	416.00	0.0050
KL025441	433.40	434.00	0.0050
KL025442	434.00	435.20	0.0140
KL025443	435.20	436.00	0.0080
KL025444	450.00	451.00	0.0060
KL025445	451.00	452.00	0.0080
KL025446	452.00	453.00	0.0150

DETAILED LOG

Hole Number: **CAR-22-30**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -55.00
Project Number: MELKIOR	North: 5357577.38	North: 34925.98	Collar Az: 90.00
Location: Carscallen Township	East: 450725.38	East: -130862.23	Length: 402.00
	Elev: 325.22	Elev: 5025.22	Start Depth: 0.00
Date Started: Sep 13, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Sep 18, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Logged by: Peter Caldbick

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	90.00	-55.00	EZ Sho	OK		42.00	84.60	-52.89	EZ Sho	OK	
93.00	85.79	-52.65	EZ Sho	OK		144.00	85.79	-52.65	EZ Sho	OK	
195.00	85.57	-52.22	EZ Sho	OK		246.00	87.52	-52.50	EZ Sho	OK	
297.00	87.16	-52.03	EZ Sho	OK		348.00	87.77	-51.59	EZ Sho	OK	
402.00	89.49	-50.99	EZ Sho	OK							

Detailed Lithology

From		To	Lithology	Assay Data				
Sample Number	From	To	Length	Au_gpt_Final				
0.00	33.00	OVB, MELKIOR - Overburden						
33.00	66.60	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, weathered blocky fractured core, glomeroporphyritic texture, scattered dark grey chloritic and carbonaceous bands, tr sul gradational FW ct @ 50 DTCA						
66.60	72.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, glomeroporphyritic texture, from 68.16 to 68.27 white qtz vn perpendicular to CA with approx 3 to 4% coarse subhedral py locd along FW vn ct, fractures within vn infilled with gossan, from 68.5 to 68.75 dark grey chloritic mafic dike @ 80 DTCA, approx 1 to 2% disseminated py throughout unit, gradational FW ct @ 70 dtca	KL025447	66.60	67.20	0.60	0.01	
			KL025448	67.20	68.00	0.80	0.00	
			KL025449	68.00	68.50	0.50	0.01	
			KL025451	68.50	69.00	0.50	0.01	
			KL025452	69.00	70.00	1.00	0.01	
			KL025453	70.00	71.00	1.00	0.00	
			KL025454	71.00	71.50	0.50	0.00	
			KL025455	71.50	72.40	0.90	0.00	
72.40	84.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, weathered blocky fractured core, glomeroporphyritic texture, scattered dark grey chloritic and carbonaceous bands, tr sul gradational FW ct @ 40 DTCA	KL025456	72.40	73.00	0.60	0.00	
84.30	85.20	MD, Mafic Dyke dark grey to black, chloritic, scattered olivine clasts, aphanitic, massive, homogeneous, scattered bands of magnetite, moderately magnetic, tr sul, shp FW ct @ 80 DTCA						

DETAILED LOG

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
85.20	88.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, fractured FW ct @ 50 DTCA					
88.20	89.60	MD, Mafic Dyke dark grey to black, chloritic, scattered olivine clasts, aphanitic, massive, homogeneous, scattered bands of magnetite, moderately magnetic, tr sul, shp FW ct @ 80 DTCA					
89.60	90.60	GRD_SIL, Granodiorite - Silicified (Melkior) creamy white, interstitial plagioclase and hornblende, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 80 DTCA	KL025457	89.60	90.60	1.00	0.01
90.60	92.30	FP, Feldspar Porphyry greyish to pinkish red, medium grained, mottled with albitic phenocrysts, siliceous, sericitic and potassic, from 92 to 92.3 epidotitic granodiorite, tr sul, shp FWct @ 70 DTCA	KL025458	90.60	91.50	0.90	0.01
			KL025459	91.50	92.30	0.80	0.03
92.30	94.40	MD, Mafic Dyke dark grey to black, chloritic, scattered olivine clasts, aphanitic, massive, homogeneous, scattered bands of magnetite, moderately magnetic, tr sul, fractured FW ct @ 80 DTCA					
94.40	100.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, glomeroporphyritic texture,, from 94.4 to 96 more epidotitic and light green hue with chloritic clasts and xenoliths, @ 99.3 1 cm grey qtz vnt @ 25 DTCA with approx 2 to 3% disseminated py throughout surrounding wallrock, approx 1 to 2% disseminated py throughout unit, gradational FW ct perpendicular to CA	KL025461	96.30	97.00	0.70	0.00
			KL025462	97.00	98.00	1.00	0.00
			KL025463	98.00	99.00	1.00	0.00
			KL025464	99.00	99.50	0.50	0.08
			KL025465	99.50	100.00	0.50	0.00
			KL025466	100.00	100.40	0.40	0.00
100.40	126.60	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, scattered dark grey carbonaceous and chloritic intervals throughout, notably from 120.23 to 121.2 meters, from 104.3 to 104.6 black magnetite rich dike @ 70 DTCA with tr sul					
126.60	131.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, locally sericitic, glomeroporphyritic texture, fractured section from 128 to 129.5 meters with fractures @ 50 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 80 DTCA	KL025467	126.60	127.20	0.60	0.00
			KL025468	127.20	128.00	0.80	0.03
			KL025469	128.00	129.00	1.00	0.02
			KL025471	129.00	130.00	1.00	0.01
			KL025472	130.00	131.10	1.10	0.01
131.10	164.70	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout, @ 139.4 dark grey carbonaceous and chloritic band @ 30 DTCA with 3 to 4% disseminated py aligned along microfracture @ 30 DTCA, shp FW ct @ 70 DTCA	KL025473	138.00	139.00	1.00	0.00
			KL025474	139.00	139.50	0.50	0.05
			KL025475	139.50	140.00	0.50	0.00
			KL025476	147.00	148.00	1.00	0.00
			KL025477	148.00	148.50	0.50	0.05
			KL025478	148.50	149.00	0.50	0.00
			KL025479	163.00	163.50	0.50	0.00
			KL025481	163.50	164.00	0.50	0.01
			KL025482	164.00	164.70	0.70	0.00

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
164.70	165.90	MD, Mafic Dyke dark grey to black, chloritic, speckled with white calcite phenocrysts, aphanitic, massive, homogeneous, scattered bands of magnetite, moderately magnetic, tr sul, shp FW ct @ 50 DTCA					
165.90	173.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout, @ 171.5 10 cm zone with approx 4 to 5% disseminated py, gradational FW ct @ 80 DTCA	KL025483	171.00	171.50	0.50	0.04
			KL025484	171.50	172.00	0.50	0.00
			KL025485	172.00	172.50	0.50	0.00
			KL025486	172.50	173.30	0.80	0.00
173.30	175.70	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, @ 174.7 10 cm mineralized zone with approx 4 to 5% disseminated py and 2 cm white qtz vnt @ 80 DTCA, gradational FW ct @ 70 DTCA	KL025487	173.30	174.00	0.70	0.01
			KL025488	174.00	175.00	1.00	0.01
			KL025489	175.00	175.70	0.70	0.00
175.70	178.70	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout, tr sul, gradational FW ct @ 80 DTCA					
178.70	189.00	GRD_POT, Granodiorite - Potassic (Melkior) reddish orange, potassic, hematitic, interstitial calcite, glomeroporphyritic texture, gradational FW ct perpendicular to CA, tr sul					
189.00	190.95	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct @ 80 DTCA					
190.95	196.60	GRD_POT, Granodiorite - Potassic (Melkior) reddish orange, potassic, hematitic, interstitial calcite, glomeroporphyritic texture, gradational FW ct perpendicular to CA, tr sul					
196.60	198.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, shp FW ct @ 70 DTCA					
198.00	199.80	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, carbonate sts and vnt' parallel to CA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA	KL025491	198.00	199.00	1.00	0.00
			KL025492	199.00	199.80	0.80	0.00
199.80	201.40	MD, Mafic Dyke dark grey to black, chloritic, aphanitic, massive, homogeneous, scattered bands of magnetite, moderately magnetic, tr sul, shp FW ct @ 40 DTCA, from 200.1 to 200.5 epidotitic granodioritic interval with shp HW and FW ct' @ 80 and 60 DTCA respectively					

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
201.40	206.40	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, sericitic, slightly epidotitic and potassic glomeroporphyritic texture, from 203.8 to 204.1 sericitic and chloritic slightly mineralized zone with approx 3 to 4% disseminated py throughout, from 203.98 to 204.1 white qtz vn @ 50 DTCA with approx 3 to 4% disseminated py throughout surrounding wallrock, gradational FW ct perpendicular to CA	KL025493	202.00	203.00	1.00	0.00
			KL025494	203.00	203.50	0.50	0.00
			KL025495	203.50	204.00	0.50	0.03
			KL025496	204.00	204.50	0.50	0.01
			KL025497	204.50	205.00	0.50	0.00
			KL025498	205.00	205.50	0.50	0.00
			KL025499	205.50	206.40	0.90	0.00
206.40	208.10	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					
208.10	211.60	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, sericitic, slightly epidotitic and potassic glomeroporphyritic texture, scattered carb sts @ 70 to 80 DTCA, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA					
211.60	213.90	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					
213.90	217.40	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
217.40	219.90	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					
219.90	224.20	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
224.20	226.50	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
226.50	230.50	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
230.50	232.90	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL032001	232.00	232.90	0.90	0.00
232.90	235.00	FP, Feldspar Porphyry light green, sericitic, siliceous, no sharp contacts but gradational contacts marked by decrease in hornblende, finer grained textures, may be altered variant of granodiorite, scattered white qtz vnt' up to 3 cm in width and @ 70 to 80 DTCA notably from 233.9 to 234.4 meters, approx 3 to 4% disseminated and blebby py throughout, gradational FW ct @ 70 DTCA	KL032002	232.90	233.50	0.60	0.01
			KL032003	233.50	234.00	0.50	0.03
			KL032004	234.00	234.50	0.50	0.04
			KL032005	234.50	235.00	0.50	0.04

DETAILED LOG

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
235.00	242.40	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032006	238.00	239.00	1.00	0.00
			KL032007	239.00	240.00	1.00	0.07
			KL032008	240.00	241.00	1.00	0.00
242.40	245.80	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
245.80	249.50	FP, Feldspar Porphyry light green, sericitic, siliceous, locally chloritic, no sharp contacts but gradational contacts marked by decrease in hornblende, finer grained textures, from 247 to 248 granodioritic with epidote and potassic alteration, typical glomeroporphyritic texture, scattered whitw qtz vnt' up to 2 cm in width @ 70 DTCA, approx 3 to 4% disseminated py throughout unit, gradational FW ct @ 70 DTCA	KL032009	247.00	247.90	0.90	0.00
			KL032011	247.90	248.50	0.60	0.06
			KL032012	248.50	249.00	0.50	0.02
			KL032013	249.00	249.50	0.50	0.04
249.50	256.70	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, from 254 to 254.5 orange aphanitic fractured and blocky potassic feldspar porphyry dike with irregular ct' @ 40 DTCA with tr sul, gradational FW ct @ 70 DTCA	KL032014	249.50	250.00	0.50	0.00
			KL032015	253.00	254.00	1.00	0.00
			KL032016	254.00	255.00	1.00	0.00
256.70	262.70	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
262.70	269.20	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, slightly banded with banding @ 50 DTCA, tr sul, gradational FW ct perpendicular to CA	KL032017	268.00	268.50	0.50	0.01
			KL032018	268.50	269.20	0.70	0.02
269.20	270.10	FP, Feldspar Porphyry light green, sericitic, siliceous, locally chloritic, no sharp contacts but gradational contacts marked by decrease in hornblende, finer grained textures, @ 269.7 5 cm white qtz vn @ 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032019	269.20	270.10	0.90	0.02
270.10	276.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
276.00	279.70	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, slightly banded with banding @ 50 DTCA, tr sul, gradational FW ct perpendicular to CA	KL032021	276.00	277.00	1.00	0.00
			KL032022	277.00	277.50	0.50	0.12
			KL032023	277.50	278.00	0.50	0.00
			KL032024	278.00	279.00	1.00	0.06
279.70	282.40	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA					
282.40	283.80	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, carbonaceous, chloritic, slightly epidotitic and potassic glomeroporphyritic texture, scattered carb vnt' @ 40 DTCA, approx 2 to 3% disseminated py, gradational FW ct perpendicular to CA	KL032025	282.40	283.50	1.10	0.00
			KL032026	283.50	284.00	0.50	0.00

DETAILED LOG

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
283.80	287.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 50 DTCA					
287.30	317.00	GRD_CB, Granodiorite - Carbonatized (Melkior) light greenish grey, sericitic overprinting notably from 294 to 305 meters, from 294 to 321 more carbonaceous, chloritic, sericitic interval more medium grained with scattered clots of hornblende, not typical glomeroporphyritic texture, scattered white qv' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032027	294.00	294.50	0.50	0.02
			KL032028	294.50	295.00	0.50	0.02
			KL032029	295.00	296.00	1.00	0.00
			KL032031	296.00	297.00	1.00	0.00
			KL032032	297.00	298.00	1.00	0.00
			KL032033	298.00	299.00	1.00	0.04
			KL032034	302.00	303.00	1.00	0.20
			KL032035	303.00	304.00	1.00	0.00
			KL032036	314.00	315.00	1.00	0.00
			KL032037	315.00	316.00	1.00	0.00
			KL032038	316.00	317.00	1.00	0.00
317.00	321.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, locally potassic, glomeroporphyritic texture, tr sul, gradational FW ct @ 50 DTCA					
321.00	323.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, scattered carb vnt' subparallel to CA, approx 1 to 2% disseminated py, gradational FW ct @ 40 DTCA	KL032039	321.00	322.00	1.00	0.00
			KL032041	322.00	323.00	1.00	0.00
			KL032042	323.00	323.60	0.60	0.00
323.60	343.60	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout with approx 1 to 2% disseminated py, gradational FW ct @ 80 DTCA	KL032043	327.00	327.50	0.50	0.00
			KL032044	327.50	328.00	0.50	0.02
			KL032045	328.00	329.00	1.00	0.00
			KL032046	329.00	329.50	0.50	0.00
			KL032047	329.50	330.00	0.50	0.00
343.60	347.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, scattered qtz vnt' @ 50 to 60 DTCA, , approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032048	344.00	345.00	1.00	0.00
			KL032049	345.00	345.50	0.50	0.01
			KL032051	345.50	346.00	0.50	0.02
			KL032052	346.00	346.50	0.50	0.01
			KL032053	346.50	347.20	0.70	0.00
347.20	357.10	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout with approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
357.10	359.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, scattered qtz vnt' @ 50 to 60 DTCA, , approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032054	357.10	358.00	0.90	0.01
			KL032055	358.00	359.00	1.00	0.00
359.00	362.70	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende, glomeroporphyritic texture, scattered dark grey carbonaceous and chloritic intervals throughout with tr sul, gradational FW ct @ 70 DTCA					

Hole Number: **CAR-22-30**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
362.70	374.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, slightly sheared with foliation subparallel to CA and scattered carb vnt' parallel to CA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032056	368.00	369.00	1.00	0.12
			KL032057	369.00	370.00	1.00	0.07
			KL032058	370.00	371.00	1.00	0.09
			KL032059	371.00	372.00	1.00	0.31
			KL032061	372.00	373.00	1.00	0.02
374.00	385.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende and weakly potassic glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL032062	381.00	382.00	1.00	0.01
			KL032063	382.00	383.00	1.00	0.19
			KL032064	383.00	383.50	0.50	0.14
			KL032065	383.50	384.00	0.50	0.58
			KL032066	384.00	384.50	0.50	0.32
			KL032067	384.50	385.00	0.50	0.26
			KL032068	385.00	385.50	0.50	0.05
385.30	386.70	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, approx 3 to 4% disseminated and scattered subhedral py, from 383.9 to 384 approx 6 to 8% cluster of subhedral py, @ 386.65 approx 3 to 4% disseminated py, gradational FW ct perpendicular to CA	KL032069	385.50	386.00	0.50	0.00
			KL032071	386.00	386.70	0.70	0.40
386.70	390.90	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende and weakly potassic glomeroporphyritic texture, tr sul, gradational FW ct @ 70 DTCA	KL032072	386.70	387.70	1.00	0.00
390.90	392.40	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, carbonaceous, chloritic, slightly epidotitic glomeroporphyritic texture, @ 391.3 3 cm white qtz vnt @ 70 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 40 DTCA	KL032073	391.00	392.00	1.00	0.01
			KL032074	392.00	393.00	1.00	0.00
392.40	402.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotized plagioclase with interstitial hornblende and weakly potassic glomeroporphyritic texture, tr sul, scattered dark grey carbonaceous and chloritic intervals, EOH @ 402 meters					

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL025447	66.60	67.20	0.0060
KL025448	67.20	68.00	0.0025
KL025449	68.00	68.50	0.0140
KL025451	68.50	69.00	0.0120
KL025452	69.00	70.00	0.0090
KL025453	70.00	71.00	0.0025
KL025454	71.00	71.50	0.0025
KL025455	71.50	72.40	0.0025
KL025456	72.40	73.00	0.0025
KL025457	89.60	90.60	0.0120

Hole Number: **CAR-22-30**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL025458	90.60	91.50	0.0130
KL025459	91.50	92.30	0.0330
KL025461	96.30	97.00	0.0025
KL025462	97.00	98.00	0.0025
KL025463	98.00	99.00	0.0025
KL025464	99.00	99.50	0.0760
KL025465	99.50	100.00	0.0025
KL025466	100.00	100.40	0.0025
KL025467	126.60	127.20	0.0025
KL025468	127.20	128.00	0.0320
KL025469	128.00	129.00	0.0150
KL025471	129.00	130.00	0.0050
KL025472	130.00	131.10	0.0050
KL025473	138.00	139.00	0.0025
KL025474	139.00	139.50	0.0490
KL025475	139.50	140.00	0.0025
KL025476	147.00	148.00	0.0025
KL025477	148.00	148.50	0.0540
KL025478	148.50	149.00	0.0025
KL025479	163.00	163.50	0.0025
KL025481	163.50	164.00	0.0110
KL025482	164.00	164.70	0.0025
KL025483	171.00	171.50	0.0410
KL025484	171.50	172.00	0.0025
KL025485	172.00	172.50	0.0025
KL025486	172.50	173.30	0.0025
KL025487	173.30	174.00	0.0060
KL025488	174.00	175.00	0.0070
KL025489	175.00	175.70	0.0025
KL025491	198.00	199.00	0.0025
KL025492	199.00	199.80	0.0025
KL025493	202.00	203.00	0.0025
KL025494	203.00	203.50	0.0025
KL025495	203.50	204.00	0.0260
KL025496	204.00	204.50	0.0060
KL025497	204.50	205.00	0.0025
KL025498	205.00	205.50	0.0025
KL025499	205.50	206.40	0.0025
KL032001	232.00	232.90	0.0025

Hole Number: **CAR-22-30**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032002	232.90	233.50	0.0070
KL032003	233.50	234.00	0.0330
KL032004	234.00	234.50	0.0440
KL032005	234.50	235.00	0.0430
KL032006	238.00	239.00	0.0025
KL032007	239.00	240.00	0.0690
KL032008	240.00	241.00	0.0025
KL032009	247.00	247.90	0.0025
KL032011	247.90	248.50	0.0560
KL032012	248.50	249.00	0.0180
KL032013	249.00	249.50	0.0350
KL032014	249.50	250.00	0.0025
KL032015	253.00	254.00	0.0025
KL032016	254.00	255.00	0.0025
KL032017	268.00	268.50	0.0050
KL032018	268.50	269.20	0.0150
KL032019	269.20	270.10	0.0160
KL032021	276.00	277.00	0.0025
KL032022	277.00	277.50	0.1220
KL032023	277.50	278.00	0.0025
KL032024	278.00	279.00	0.0580
KL032025	282.40	283.50	0.0025
KL032026	283.50	284.00	0.0025
KL032027	294.00	294.50	0.0170
KL032028	294.50	295.00	0.0190
KL032029	295.00	296.00	0.0025
KL032031	296.00	297.00	0.0025
KL032032	297.00	298.00	0.0025
KL032033	298.00	299.00	0.0400
KL032034	302.00	303.00	0.1970
KL032035	303.00	304.00	0.0025
KL032036	314.00	315.00	0.0025
KL032037	315.00	316.00	0.0025
KL032038	316.00	317.00	0.0025
KL032039	321.00	322.00	0.0025
KL032041	322.00	323.00	0.0025
KL032042	323.00	323.60	0.0025
KL032043	327.00	327.50	0.0025
KL032044	327.50	328.00	0.0210

Hole Number: **CAR-22-30**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032045	328.00	329.00	0.0025
KL032046	329.00	329.50	0.0025
KL032047	329.50	330.00	0.0025
KL032048	344.00	345.00	0.0025
KL032049	345.00	345.50	0.0100
KL032051	345.50	346.00	0.0220
KL032052	346.00	346.50	0.0140
KL032053	346.50	347.20	0.0025
KL032054	357.10	358.00	0.0080
KL032055	358.00	359.00	0.0025
KL032056	368.00	369.00	0.1220
KL032057	369.00	370.00	0.0740
KL032058	370.00	371.00	0.0940
KL032059	371.00	372.00	0.3100
KL032061	372.00	373.00	0.0180
KL032062	381.00	382.00	0.0050
KL032063	382.00	383.00	0.1900
KL032064	383.00	383.50	0.1360
KL032065	383.50	384.00	0.5750
KL032066	384.00	384.50	0.3160
KL032067	384.50	385.00	0.2590
KL032068	385.00	385.50	0.0480
KL032069	385.50	386.00	0.0025
KL032071	386.00	386.70	0.3970
KL032072	386.70	387.70	0.0025
KL032073	391.00	392.00	0.0120
KL032074	392.00	393.00	0.0025

DETAILED LOG

Hole Number: **CAR-22-31**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5357566.35	North: 34605.08	Collar Az: 310.00
Location: Carscallen Township	East: 451812.70	East: -129822.94	Length: 801.90
	Elev: 341.35	Elev: 5041.35	Start Depth: 0.00
Date Started: Sep 21, 2022	Collar Survey: N	Plugged: N	Contractor: Major
Date Completed: Oct 04, 2022	Multishot Survey: N	Hole Size: NQ	Core Storage: Carscallen
	Pulse EM Survey: N	Casing: YES	Logged by: Peter Caldbick

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	310.00	-60.00	EZ Sho	OK		27.00	308.57	-58.33	EZ Sho	OK	
78.00	310.07	-57.73	EZ Sho	OK		129.00	310.13	-57.21	EZ Sho	OK	
180.00	311.94	-56.68	EZ Sho	OK		231.00	312.04	-56.34	EZ Sho	OK	
282.00	313.43	-55.63	EZ Sho	OK		333.00	312.99	-55.02	EZ Sho	OK	
384.00	314.86	-54.47	EZ Sho	OK		486.00	314.22	-52.94	EZ Sho	OK	
537.00	319.44	-51.21	EZ Sho	OK		588.00	321.06	-50.59	EZ Sho	OK	
639.00	319.61	-50.16	EZ Sho	OK		690.00	326.26	-49.26	EZ Sho	OK	
741.00	325.86	-48.78	EZ Sho	OK		801.00	327.69	-48.30	EZ Sho	OK	

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	18.00	OVB, MELKIOR - Overburden					
18.00	22.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous glomeroporphyritic texture, approx 4 to 5% disseminated py occurring within chloritic and carbonaceous microfractures oriented @ 50 DTCA, shp FW ct @ 60 DTCA	KL032075	18.00	19.00	1.00	0.01
			KL032076	19.00	19.50	0.50	0.02
			KL032077	19.50	20.00	0.50	0.01
			KL032078	20.00	20.50	0.50	0.01
			KL032079	20.50	21.00	0.50	0.01
			KL032081	21.00	21.50	0.50	0.01
			KL032082	21.50	22.30	0.80	0.02
22.30	32.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated dark grey carbonaceous intervals hosting 3 to 4% disseminated py within carbonate microfractures oriented @ 60 DTCA, shp FW ct @ 70 DTCA	KL032083	22.30	23.00	0.70	0.01
			KL032084	30.00	31.00	1.00	0.01
			KL032085	31.00	32.20	1.20	0.01
32.20	36.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous glomeroporphyritic texture, approx 3 to 4% disseminated py throughout unit, gradational FW ct perpendicular to CA	KL032086	32.20	33.00	0.80	0.01
			KL032087	33.00	34.00	1.00	0.00
			KL032088	34.00	35.00	1.00	0.00
			KL032089	35.00	35.50	0.50	0.04
			KL032091	35.50	36.20	0.70	0.02

DETAILED LOG

Hole Number: **CAR-22-31**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
36.20	41.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated dark grey carbonaceous intervals hosting 3 to 4% disseminated py, gradational FW ct perpendicular to CA	KL032092	36.20	37.00	0.80	0.00
41.20	43.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous glomeroporphyritic texture, approx 3 to 4% disseminated and subhedral py throughout unit occurring along carbonate microfractures parallel to CA, gradational FW ct perpendicular to CA	KL032093	41.20	42.00	0.80	0.00
			KL032094	42.00	42.50	0.50	0.01
			KL032095	42.50	43.00	0.50	0.01
43.00	50.40	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated dark grey carbonaceous intervals and grey 2 to 3 cm qtz vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032096	43.00	44.00	1.00	0.01
			KL032097	49.90	50.40	0.50	0.01
50.40	51.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous glomeroporphyritic texture, @ 50.8 approx 8 to 10% cluster of subhedral py locd within chloritic microfracture @ 50 DTCA, gradational FW ct perpendicular to CA	KL032098	50.40	51.20	0.80	0.06
51.20	55.50	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated dark grey carbonaceous intervals, scattered carb vnt' and sts @ 70 to 90 DTCA, approx 2 to 3% disseminated py, gradational FW ct @ 80 DTCA	KL032099	51.20	52.00	0.80	0.00
			KL032101	55.00	55.50	0.50	0.00
55.50	57.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous glomeroporphyritic texture, approx 2 to 3% disseminated py, carb vnt' @ 60 to 70 DTCA, gradational FW ct @ 70 DTCA	KL032102	55.50	56.00	0.50	0.01
			KL032103	56.00	56.50	0.50	0.05
			KL032104	56.50	57.20	0.70	0.01
57.20	83.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated pinkish grey carbonaceous intervals with weak potassic alteration, @ 66.1 3 cm whitre qtz vnt @ 60 DTCA with approx 3 to 4% disseminated and blebby py tythroughout surrounding wallrock, @ 77.8 cluster of approx 4 to 5% disseminated and blebby py, gradational FW ct @ 80 DTCA	KL032105	65.10	66.00	0.90	0.01
			KL032106	66.00	66.50	0.50	0.01
			KL032107	66.50	67.00	0.50	0.02
			KL032108	67.00	67.60	0.60	0.01
			KL032109	76.00	76.50	0.50	0.01
			KL032111	76.50	77.40	0.90	0.01
			KL032112	77.40	78.00	0.60	0.01
			KL032113	78.00	78.90	0.90	0.02
83.00	92.40	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, chloritic, carbonaceous, slightly potassic glomeroporphyritic texture, interstitial blue qtz eyes, scattered carbonate vnt' @ 60 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032114	87.00	88.00	1.00	0.01
			KL032115	88.00	89.00	1.00	0.01
			KL032116	89.00	90.00	1.00	0.01
			KL032117	90.00	91.00	1.00	0.01
			KL032118	91.00	92.00	1.00	0.01
92.40	97.20	GRD_POT, Granodiorite - Potassic (Melkior) variably pinkish to light green, slightly more potassic with epidotitic intervals, slightly hematitic, interstitial blue qtz eyes, glomeroporphyritic texture, @ 94 4 cm sheared dark green chloritic band @ 30 DTCA, tr sul, gradational FW ct @ 70 DTCA					
97.20	109.40	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated pinkish grey carbonaceous intervals with weak potassic alteration, glomeroporphyritic texture, tr sul, shp FW CT @ 70 DTCA	KL032119	108.50	109.40	0.90	0.01

Hole Number: **CAR-22-31**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
109.40	110.60	FP, Feldspar Porphyry dark grey, chloritic, siliceous, slightly sericitic, weakly foliated with foliation @ 50 DTCA, massive, fine grained, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032121	109.40	110.00	0.60	0.02
			KL032122	110.00	110.60	0.60	0.02
110.60	118.30	GRD_POT, Granodiorite - Potassic (Melkior) pinkish colouration, predominantly potassic, weakly epidotitic and carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, scattered qtz vnt' @ 50 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032123	110.60	111.50	0.90	0.01
			KL032124	111.50	112.00	0.50	0.01
			KL032125	112.00	113.00	1.00	0.01
			KL032126	113.00	114.00	1.00	0.01
			KL032127	114.00	115.00	1.00	0.00
118.30	124.00	GRD_CB, Granodiorite - Carbonatized (Melkior) light grey-green, sericitic, carbonaceous, locally chloritic glomeroporphyritic texture, alteration zone with overprinting of sericitic alteration, moderately foliated, slightly sheared with foliation @ 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032128	118.30	119.00	0.70	0.00
			KL032129	119.00	120.00	1.00	0.01
			KL032131	120.00	121.00	1.00	0.01
			KL032132	121.00	122.00	1.00	0.01
			KL032133	122.00	123.00	1.00	0.01
			KL032134	123.00	124.00	1.00	0.01
124.00	129.00	GRD_POT, Granodiorite - Potassic (Melkior) pinkish colouration, predominantly potassic, weakly epidotitic and carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, scattered qtz vnt' @ 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032135	124.00	125.00	1.00	0.02
			KL032136	125.00	126.00	1.00	0.00
			KL032137	126.00	127.00	1.00	0.01
			KL032138	127.00	128.00	1.00	0.01
			KL032139	128.00	129.00	1.00	0.00
129.00	135.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated pinkish grey carbonaceous intervals with weak potassic alteration, glomeroporphyritic texture, tr sul, shp FW CT @ 60 DTCA					
135.00	142.50	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, chloritic, carbonaceous, slightly potassic glomeroporphyritic texture, interstitial blue qtz eyes, scattered carbonate vnt' @ 50 to 70 DTCA, approx 1 to 2% disseminated py, shp FW ct marked by fractured 5 cm grey qtz vn with 2 to 3% disseminated py locd along vn FW ct, fractures @ 40 DTCA	KL032141	135.00	136.00	1.00	0.06
			KL032142	136.00	137.00	1.00	0.01
			KL032143	137.00	138.00	1.00	0.01
			KL032144	138.00	139.00	1.00	0.01
			KL032145	139.00	140.00	1.00	0.01
			KL032146	140.00	141.00	1.00	0.01
			KL032147	141.00	142.00	1.00	0.02
			KL032148	142.00	142.50	0.50	0.04
142.50	143.60	FP, Feldspar Porphyry dark grey, chloritic, siliceous, slightly sericitic, weakly foliated with foliation @ 50 DTCA, massive, fine grained, approx 1 to 2% disseminated py, sheared FW ct @ 40 DTCA	KL032149	142.50	143.00	0.50	0.05
			KL032151	143.00	143.60	0.60	0.01
143.60	146.80	GRD_CB, Granodiorite - Carbonatized (Melkior) pinkish grey, chloritic, carbonaceous, slightly potassic glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, gradational FW ct perpendicular to CA	KL032152	143.60	144.50	0.90	0.01
146.80	163.50	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated pinkish grey carbonaceous intervals with weak potassic alteration, glomeroporphyritic texture, tr sul,	KL032153	158.00	159.00	1.00	0.01
			KL032154	159.00	160.00	1.00	0.00

Hole Number: **CAR-22-31**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
163.50	164.90	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures @ 60 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA, @ 164.7 3 cm white qv @ 70 DTCA with approx 2 to 3% disseminated py localized along vn ct'	KL032155	163.50	164.00	0.50	0.01
			KL032156	164.00	164.90	0.90	0.00
164.90	173.10	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, notably @ 169.4 meters, glomeroporphyritic texture, gradational FW ct @ 70 DTCA	KL032157	164.90	166.00	1.10	0.00
173.10	177.00	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 40 to 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA,	KL032158	173.10	174.00	0.90	0.01
			KL032159	174.00	175.00	1.00	0.00
			KL032161	175.00	176.00	1.00	0.00
			KL032162	176.00	177.00	1.00	0.00
177.00	197.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, notably fro 186.6 to 186.7 carbonate infilled microfractures subparallel to CA and 2nd generation @ 60 DTCA with approx 3 to 4% subhedral and disseminated py, gradational FW ct perpendicular to CA	KL032163	185.00	186.00	1.00	0.00
			KL032164	186.00	186.50	0.50	0.00
			KL032165	186.50	187.00	0.50	0.00
			KL032166	187.00	188.00	1.00	0.00
			KL032167	196.00	196.50	0.50	0.00
			KL032168	196.50	197.30	0.80	0.00
197.30	199.50	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 40 to 50 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA, @ 198.3 dark green chloritic vnt @ 50 DTCA, tr sul @ 199.3 8 cm pinkish potassic feldspar dike with diffuse ct' @ 70 DTCA, tr sul	KL032169	197.30	198.00	0.70	0.01
			KL032171	198.00	199.00	1.00	0.01
			KL032172	199.00	199.50	0.50	0.00
199.50	214.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA	KL032173	204.00	205.00	1.00	0.00
			KL032174	205.00	206.00	1.00	0.01
			KL032175	213.00	214.20	1.20	0.00
214.20	215.20	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 60 to 70 DTCA, approx 2 to 3% disseminated py, gradational FW ct @ 70 DTCA	KL032176	214.20	215.20	1.00	0.02
215.20	218.60	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA	KL032177	218.00	218.60	0.60	0.00
218.60	219.70	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 50 to 60 DTCA, approx 4 to 5% disseminated py and subhedral py, shp FW ct @ 70 DTCA	KL032178	218.60	219.10	0.50	0.02
			KL032179	219.10	219.70	0.60	0.03

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
219.70	225.10	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA	KL032181	219.70	220.50	0.80	0.01
225.10	227.80	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 40 to 50 DTCA, @ 226.5 6 cm white qv @ 70 DTCA with approx 2 to 3% disseminated py locd along vn ct', @ 228.6 1 cm grey carb vnt @ 40 DTCA with approx 8 to 10% semi-massive and subhedral py, gradational FW ct perpendicular to CA	KL032182	225.10	226.00	0.90	0.00
			KL032183	226.00	226.50	0.50	0.00
			KL032184	226.50	227.30	0.80	0.00
			KL032185	227.30	227.80	0.50	0.06
227.80	230.90	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 1 to 2% disseminated py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA	KL032186	227.80	228.30	0.50	0.01
			KL032187	228.30	229.00	0.70	0.01
			KL032188	229.00	230.00	1.00	0.01
			KL032189	230.00	230.90	0.90	0.01
230.90	237.40	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous, slightly epidotitic, glomeroporphyritic texture, scattered carbonate infilled microfractures and vnt' @ @ 40 to 50 DTCA, @ 231.8 1 cm greyish white carbonate vnt subparallel to CA with approx 10 to 12% cluster of subhedral py within carbonate vnt, approx 2 to 3% disseminated py throughout unit, interstitial blue qtz eyes, gradational FW ct @ 40 DTCA	KL032191	230.90	231.50	0.60	0.01
			KL032192	231.50	232.00	0.50	0.51
			KL032193	232.00	233.00	1.00	0.05
			KL032194	233.00	234.00	1.00	0.01
			KL032195	234.00	235.00	1.00	0.01
			KL032196	235.00	236.00	1.00	0.01
			KL032197	236.00	236.50	0.50	0.03
			KL032198	236.50	237.40	0.90	0.08
237.40	254.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 60 to 70 DTCA and hosting approx 2 to 3% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA, @ 250 3 cm dark grey carbonate band perpendicular to CA with 3 to 4% disseminated py, from 250.1 to 250.6 pink medium grained potassic FP dike @ 40 DTCA with approx 1 to 2% disseminated py, from 251.7 to 252.15 dark grey carbonaceous zone with carb sts @ 30 to 40 DTCA and approx 3 to 4% disseminated py locd along carb sts, gradational FW ct @ 70 DTCA	KL032199	237.40	238.00	0.60	0.02
			KL032201	238.00	239.00	1.00	0.01
			KL032202	248.00	249.00	1.00	0.00
			KL032203	249.00	250.00	1.00	0.00
			KL032204	250.00	251.00	1.00	0.00
			KL032205	251.00	251.50	0.50	0.01
			KL032206	251.50	252.00	0.50	0.00
			KL032207	252.00	253.00	1.00	0.00
			KL032208	253.00	253.50	0.50	0.00
			KL032209	253.50	254.20	0.70	0.00
254.20	255.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous with interstitial blue qtz eyes, weakly epidotitic glomeroporphyritic texture, abundant carb vnt' and sts @ 40 DTCA and perpendicular to CA, approx 3 to 4% disseminated py, sulphides generally occur along carb sts, gradational FW ct @ 70 DTCA	KL032211	254.20	255.00	0.80	0.00
			KL032212	255.00	255.50	0.50	0.00
255.50	259.10	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 2 to 3% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA,	KL032213	255.50	256.00	0.50	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
259.10	260.40	GRD_CB, Granodiorite - Carbonatized (Melkior) greenish grey, chloritic, carbonaceous with interstitial blue qtz eyes, moderately epidotitic glomeroporphyritic texture, scattered carb sts @ 30 to 40 DTCA, approx 2 to 3% disseminated py, gradational FW ct @ 70 DTCA	KL032214	259.10	260.00	0.90	0.02
			KL032215	260.00	260.50	0.50	0.01
260.40	267.50	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 2 to 3% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct perpendicular to CA, from 266.1 to 266.2 pink medium grained potassic FP dike @ 30 DTCA with tr sul	KL032216	260.50	261.00	0.50	0.00
			KL032217	267.00	267.50	0.50	0.00
267.50	269.40	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, mottled with carb patches, from 269 to 269.2 2 1 cm carb sts @ 30 DTCA with approx 4 to 5% disseminated and subhedral py, shp FW ct @ 40 DTCA	KL032218	267.50	268.00	0.50	0.01
			KL032219	268.00	268.50	0.50	0.00
			KL032221	268.50	269.00	0.50	0.00
			KL032222	269.00	269.40	0.40	0.07
269.40	272.60	GRD_CB, Granodiorite - Carbonatized (Melkior) greyish green, chloritic, carbonaceous, silicified admixture of carbonate and silicified intervals with interstitial blue qtz eyes and glomeroporphyritic textures, slightly sericitic, @ 270.6 1 cm band of approx 8 to 10% subhedral py @ 40 DTCA, gradational FW ct perpendicular to CA	KL032223	269.40	270.00	0.60	0.05
			KL032224	270.00	270.50	0.50	0.01
			KL032225	270.50	271.00	0.50	0.13
			KL032226	271.00	272.00	1.00	0.00
			KL032227	272.00	272.60	0.60	0.00
272.60	281.40	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, abundant carb sts and vnt' @ 30 to 40 DTCA and subparallel to CA, approx 2 to 3% disseminated py, gradational FW ct perpendicular to CA	KL032228	272.60	273.10	0.50	0.00
			KL032229	273.10	274.00	0.90	0.01
			KL032231	274.00	275.00	1.00	0.01
			KL032232	275.00	275.50	0.50	0.01
			KL032233	275.50	276.00	0.50	0.01
			KL032234	276.00	277.00	1.00	0.01
			KL032235	277.00	278.00	1.00	0.00
			KL032236	278.00	279.00	1.00	0.00
			KL032237	279.00	280.00	1.00	0.01
			KL032238	280.00	280.50	0.50	0.00
			KL032239	280.50	281.40	0.90	0.01
281.40	284.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, finer grained, moderately foliated with foliation @ 50 DTCA, rare qtz-carb vnt' @ 50 DTCA, approx 1 to 2% disseminated py, from 282.1 to 282.3 dark green chloritic mafic interval with fractured ct' @ 60 DTCA, tr sul,	KL032241	281.40	282.00	0.60	0.07
			KL032242	282.00	283.00	1.00	0.01
			KL032243	283.00	284.00	1.00	0.02

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
284.00	301.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, abundant carb sts @ 40 to 60 DTCA, approx 2 to 3% disseminated py, gradational FW ct @ 60 DTCA, @ 287.75 7 cm greyish white qv @ 50 DTCA with approx 10 to 12% clusters of subhedral py with strongest cocentration @ vn FW ct, @ 292.5 cluster of approx 20 to 25% subhedral py within 3 cm carbonaceous gangue @ 40 DTCA, from 292.2 to 291.5 pink potassic fine grained FP dike @ 60 DTCA, from 293 to 293.5 pink medium grained potassic feldspar dike parallel to CA, tr sul, shp FW ct subparallel to CA	KL032244	284.00	285.00	1.00	0.01
			KL032245	285.00	285.50	0.50	0.00
			KL032246	285.50	286.40	0.90	0.01
			KL032247	286.40	287.00	0.60	0.01
			KL032248	287.00	287.50	0.50	0.00
			KL032249	287.50	288.00	0.50	2.32
			KL032251	288.00	289.00	1.00	0.07
			KL032252	289.00	290.00	1.00	0.00
			KL032253	290.00	291.00	1.00	0.00
			KL032254	291.00	292.00	1.00	0.00
			KL032255	292.00	292.50	0.50	9.96
			KL032256	292.50	293.00	0.50	0.04
			KL032257	293.00	294.00	1.00	0.02
			KL032258	299.00	300.00	1.00	0.01
		KL032259	300.00	301.20	1.20	0.00	
301.20	320.80	FP, Feldspar Porphyry light grey, siliceous, slightly sericitic, fine grained, massive, homogeneous, speckled with chloritic flakes, abundant pyritic stringers and vnt' no wider than 1 cm with subhedral aggregates of py oriented @ 50 DTCA, strongest concentrtaion of sts from 305 to 312 occurring within qtz-carb sts, approx 8 to 10% columner aggregated of subhedral py within sericitic alteration halos and silicified groundmass with disseminated py, occurrences notably from 305.5 to 305.7, 306.5 to 306.7, 307.5 to 308.5, 311 to 312 and 320.0 to 320.8 meters, scattered white qtz vnt' notably between 307.5 to 308.5 meters @ 50 to 60 DTCA and hosting 8 to 10% subhedral aggregates of py, from 320 to 320.8 slightly more potassic alteration, sulphide sts @ 60 to 70 DTCA and approx 8 to 10% subhedral py focussed along carb sts, shp FW ct @ 80 DTCA	KL032261	301.20	302.00	0.80	2.29
			KL032262	302.00	303.00	1.00	0.84
			KL032263	303.00	304.00	1.00	0.35
			KL032264	304.00	305.00	1.00	0.16
			KL032265	305.00	305.50	0.50	0.14
			KL032266	305.50	306.00	0.50	0.22
			KL032267	306.00	306.50	0.50	0.14
			KL032268	306.50	307.00	0.50	1.29
			KL032269	307.00	307.50	0.50	0.02
			KL032271	307.50	308.00	0.50	1.44
			KL032272	308.00	308.50	0.50	3.32
			KL032273	308.50	309.00	0.50	1.44
			KL032274	309.00	310.00	1.00	0.70
			KL032275	310.00	311.00	1.00	0.07
			KL032276	311.00	312.00	1.00	0.14
			KL032277	312.00	313.00	1.00	0.18
			KL032278	313.00	313.50	0.50	0.03
			KL032279	313.50	314.00	0.50	0.02
			KL032281	314.00	315.00	1.00	0.06
		KL032282	315.00	316.00	1.00	0.12	
		KL032283	316.00	317.00	1.00	0.02	
		KL032284	317.00	318.00	1.00	0.02	
		KL032285	318.00	319.00	1.00	0.13	
		KL032286	319.00	320.00	1.00	0.18	
		KL032287	320.00	320.80	0.80	0.33	

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
320.80	325.80	GRD_POT, Granodiorite - Potassic (Melkior) pinkish grey, predominantly potassic, abundant carbonate sts oriented @ 60 to 80 DTCA, interstitial blue qtz eyes, glomeroporphyritic texture, approx 1 to 2% disseminated py, mafic chloritic interval proximal to FW ct from 325.4 to 4325.8 meters @ 50 DTCA, shp FW ct @ 50 DTCA	KL032288	320.80	322.00	1.20	0.05
			KL032289	322.00	323.00	1.00	0.00
			KL032291	323.00	324.00	1.00	0.00
			KL032292	324.00	325.00	1.00	0.01
			KL032293	325.00	325.80	0.80	0.01
325.80	337.25	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 1 to 2% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, shp FW ct perpendicular to CA	KL032294	325.80	327.00	1.20	0.00
337.25	350.40	GRD_SIL, Granodiorite - Silicified (Melkior) dark greyish green, chloritic, silicified, carbonaceous, interstitial blue qtz eyes throughout, glomeroporphyritic texture, abundant carb sts @ 60 to 80 DTCA, @ 345 meters cluster of approx 3 to 4% subhedral py, @ 350 meters 4 cm grey qtz vn @ 20 DTCA rimmed with carbonate and possessing approx 20 to 25% cluster of brassy subhedral py, shp FW ct @ 40 DTCA	KL032295	337.25	338.00	0.75	0.01
			KL032296	338.00	339.00	1.00	0.01
			KL032297	339.00	340.00	1.00	0.01
			KL032298	340.00	341.00	1.00	0.01
			KL032299	341.00	342.00	1.00	0.01
			KL032301	342.00	343.00	1.00	0.01
			KL032302	343.00	344.00	1.00	0.01
			KL032303	344.00	345.00	1.00	0.01
			KL032304	345.00	346.00	1.00	0.01
			KL032305	346.00	347.00	1.00	0.01
			KL032306	347.00	348.00	1.00	0.01
			KL032307	348.00	349.00	1.00	0.01
			KL032308	349.00	349.50	0.50	0.02
			KL032309	349.50	350.00	0.50	0.43
			KL032311	350.00	350.50	0.50	0.02
350.40	358.40	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 1 to 2% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, shp FW ct @ 30 DTCA	KL032312	350.50	351.00	0.50	0.01
			KL032313	351.00	352.00	1.00	0.01
358.40	359.50	FP, Feldspar Porphyry pinkish red, potassic, silicified, aphanitic groundmass but mottled with green epidotized subrounded plagioclase phenocrysts, tr syl, shp FW ct @ 20 DTCA					
359.50	371.60	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 1 to 2% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, abundant carbonate vnt' and sts perpendicular to CA, scattered mafic chloritic xenoliths, gradational FW ct @ 70 DTCA	KL032314	364.00	365.00	1.00	0.01
			KL032315	365.00	366.00	1.00	0.01

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Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
371.60	393.30	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, abundant carb sts @ 40 to 60 DTCA, approx 2 to 3% disseminated py, gradational FW ct @ 80 DTCA	KL032316	371.60	372.50	0.90	0.00
			KL032317	372.50	373.00	0.50	0.01
			KL032318	373.00	374.00	1.00	0.00
			KL032319	384.00	385.00	1.00	0.01
			KL032321	385.00	386.00	1.00	0.00
			KL032322	386.00	387.00	1.00	0.01
			KL032323	391.00	392.00	1.00	0.00
			KL032324	392.00	392.50	0.50	0.00
			KL032325	392.50	393.30	0.80	0.01
393.30	397.50	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, finer grained, moderately foliated with foliation @ 50 DTCA, rare qtz-carb vnt' @ 50 DTCA, approx 4 to 5% disseminated and scattered subhedral py, @ 396 meters 20 cm grey qtz vn perpendicular to CA with approx 20 to 25% clusters of subhedral py oriented @ 30 to 40 DTCA, shp FW ct @ 50 DTCA	KL032326	393.30	394.00	0.70	0.00
			KL032327	394.00	395.00	1.00	0.01
			KL032328	395.00	395.50	0.50	0.10
			KL032329	395.50	396.00	0.50	0.68
			KL032331	396.00	396.50	0.50	49.60
			KL032332	396.50	397.00	0.50	0.10
			KL032333	397.00	397.50	0.50	0.07
397.50	411.60	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, scattered carb sts @ 40 to 50 DTCA, @ 408.2 1 cm carb stringer @ 20 DTCA with approx 8 to 10% clusters of subhedral py, @ 408.7 2 cm white qtz-calcite vnt @ 70 DTCA with approx 8 to 10% clusters of subhedral py and approx 1 to 2% disseminated asp, @ 411.6 1 cm carb vnt @ 40 DTCA with approx 7 to 8% clusters of subhedral py, gradational FW ct @ 80 DTCA	KL032334	397.50	398.00	0.50	0.01
			KL032335	398.00	399.00	1.00	0.01
			KL032336	399.00	400.00	1.00	0.00
			KL032337	400.00	401.00	1.00	0.01
			KL032338	401.00	402.00	1.00	0.01
			KL032339	402.00	403.00	1.00	0.01
			KL032341	403.00	403.50	0.50	0.01
			KL032342	403.50	404.00	0.50	0.31
			KL032343	404.00	405.00	1.00	0.01
			KL032344	405.00	406.00	1.00	0.01
			KL032345	406.00	407.00	1.00	0.01
			KL032346	407.00	408.00	1.00	0.01
			KL032347	408.00	408.50	0.50	0.62
			KL032348	408.50	409.00	0.50	0.24
			KL032349	409.00	410.00	1.00	0.01
			KL032351	410.00	411.00	1.00	0.00
			KL032352	411.00	411.60	0.60	0.06
411.60	415.80	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with rare segregated grey carbonaceous intervals @ 70 to 80 DTCA and hosting approx 1 to 2% disseminated and subhedral py, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, gradational FW ct @ 70 DTCA	KL032353	411.60	412.20	0.60	0.00
			KL032354	412.20	413.00	0.80	0.00
415.80	417.20	GRD_SIL, Granodiorite - Silicified (Melkior) greyish green, chloritic, carbonaceous, slightly silicified and epidotitic glomeroporphyritic texture with interstitial blue qtz eyes, scattered carb sts @ 60 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL032355	415.80	416.30	0.50	0.01
			KL032356	416.30	417.20	0.90	0.00

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Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
417.20	429.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic with segregated grey carbonaceous intervals @ 40 to 80 DTCA and hosting approx 1 to 2% disseminated and subhedral py with localized carb sts @ 40 to 80 DTCA, glomeroporphyritic texture, interstitial blue qtz eyes occurring within carbonaceous bands, irregular FW ct @ 70 DTCA	KL032357	428.00	429.20	1.20	0.00
429.20	431.50	FV, Melkior - Felsic Volcanics light grey, siliceous, feldspathic, fine to medium grained, scattered dark green chloritic xenoliths or "dropstones", transitional zone somewhat granodioritic in composition but metasomatized, approx 2 to 3% scattered subhedral py, shp FW ct perpendicular to CA	KL032358	429.20	430.00	0.80	0.00
			KL032359	430.00	431.00	1.00	0.00
			KL032361	431.00	431.50	0.50	0.00
431.50	434.60	IF, Melkior - Iron Formation dark grey-green, chloritic, magnetite-rich, carbonaceous, strongly foliated with foliation perpendicular to CA, interbanded magnetite-rich bands parallel to foliation, strongly magnetic, approx 6 to 7% disseminated po, py throughout unit, from 433.56 to 433.7 14 cm white qtz-carb vn with patchy epidote and approx 12 to 15% patchy po, 8 to 10% patchy cpy and 6 to 7% subhedral clusters of py, shp HW and FW ct' @ 70 DTCA, shp FW ct @ 80 DTCA	KL032362	431.50	432.00	0.50	0.01
			KL032363	432.00	433.00	1.00	0.01
			KL032364	433.00	433.50	0.50	0.03
			KL032365	433.50	434.00	0.50	0.03
			KL032366	434.00	434.60	0.60	0.03
434.60	435.10	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, medium grained, interstitial blue qtz eyes, glomeroporphyritic texture, tr sul, shp FW ct @ 70 DTCA	KL032367	434.60	435.10	0.50	0.00
435.10	442.50	FV, Melkior - Felsic Volcanics light grey, siliceous, sericitic, locally chloritic, carbonaceous and epidotitic, flowy quench textures indicative of subaqueous environment, approx 2 to 3% segregated clusters of subhedral py occurring with sporadic qtz vnt' oriented @ 40 DTCA parallel to weakly developed foliation, shp FW ct @ 70 DTCA	KL032368	435.10	436.00	0.90	0.00
			KL032369	436.00	436.50	0.50	0.00
			KL032371	436.50	437.00	0.50	0.00
			KL032372	437.00	438.00	1.00	0.00
			KL032373	438.00	439.00	1.00	0.01
442.50	444.10	IF, Melkior - Iron Formation dark green, chloritic, carbonaceous, moderately magnetic with localized magnetite banding, moderately foliated with foliation @ 50 to 70 DTCA, approx 7 to 8% segregated clusters of subhedral py aligned perpendicular to CA notably from 442.5 to 443.2 and @ 444.1 strongest sulphide concentrations occurring proximal to ct', sulphide enriched FW ct @ 40 DTCA	KL032374	442.50	443.00	0.50	0.05
			KL032375	443.00	443.50	0.50	0.02
			KL032376	443.50	444.10	0.60	23.10
444.10	469.10	FV, Melkior - Felsic Volcanics light grey, siliceous, sericitic, locally chloritic, carbonaceous and epidotitic, flowy quench textures indicative of subaqueous environment, mottled with dark grey qtz-chlorite vesicles, rare pink potassic patches, scattered qtz-carb sts and vnt' no wider than 2 cm @ 40 to 50 DTCA parallel to weakly developed foliation, approx 2 to 3% scattered clusters of subhedral py, gradational FW dt @ 40 DTCA	KL032377	444.10	445.00	0.90	0.07
			KL032378	445.00	446.00	1.00	0.20
			KL032379	446.00	447.00	1.00	0.01
			KL032381	447.00	448.00	1.00	0.01
			KL032382	448.00	448.50	0.50	0.00
			KL032383	448.50	449.00	0.50	1.17
			KL032384	449.00	449.50	0.50	0.01
			KL032385	449.50	450.00	0.50	0.02
			KL032386	458.00	459.00	1.00	0.06
			KL032387	459.00	460.00	1.00	0.01
			KL032388	460.00	461.00	1.00	0.01
			KL032389	461.00	462.00	1.00	0.00

Hole Number: **CAR-22-31**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
469.10	574.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, slightly sericitic, moderately foliated with foliation @ 50 DTCA, locally epidotitic, abundant pink potassic granodioritic diked throughout notably from 477.7 to 477.9, 480.1 to 480.5, 482.5 to 482.8 and 483.7 to 484.1 meters, granodioritic dikes generally oriented @ steep angles from 60 to 80 DTCA, approx 2 to 3% disseminated py throughout unit, from 494.5 to 495 localized faulted zone with fault gouge, fractures @ 60 to 70 DTCA, from 502.1 to 502.3 buff to pink FP dike with shp HW and FW ct' @ 40 and 60 DTCA, tr sul, from 503.4 to 504.2 grey carbonaceous and silicified granodioritic dike with shp HW and FW ct' @ 40 DTCA, tr sul, from 520 to 527 strongly fractured zone with fractured crumbled core with fractures @ 40 DTCA, from 524 to 527 pervasive hematitic alteration, porous and vugy core, tr sul, from 531 to 531.6 strongly fractured core with fractures @ 40 DTCA, approx 3 to 4% disseminated and scattered subhedral py, from 533 to 544 slightly more massive and fine grained with abundant qtz-carb vnt' @ 60 to 70 DTCA and subparallel to CA, from 544 to 560 flowy textures, patchy sericitic alteration, localized brecciated hyaloclastite, pillow selvages subparallel to CA, approx 3 to 4% segregated clusters of subhedral py, @ 545 5 cm pitted and vugy feldspathic vnt rimmed with carbonate and approx 2 to 3% disseminated py @ 40 DTCA, shp FW ct @ 20 DTCA	KL032391	469.10	470.00	0.90	0.01
			KL032392	470.00	471.00	1.00	0.00
			KL032393	471.00	472.00	1.00	0.00
			KL032394	472.00	473.00	1.00	0.01
			KL032395	473.00	474.00	1.00	0.01
			KL032396	474.00	475.00	1.00	0.01
			KL032397	497.00	498.00	1.00	0.00
			KL032398	498.00	499.00	1.00	0.00
			KL032399	499.00	500.00	1.00	0.00
			KL032401	500.00	501.00	1.00	0.01
			KL032402	522.00	523.00	1.00	0.00
			KL032403	523.00	524.00	1.00	0.00
			KL032404	524.00	525.00	1.00	0.00
			KL032405	525.00	526.00	1.00	0.01
			KL032406	526.00	527.00	1.00	0.01
			KL032407	531.00	532.00	1.00	0.03
			KL032408	532.00	533.00	1.00	0.00
			KL032409	533.00	534.00	1.00	0.01
			KL032411	534.00	535.00	1.00	0.01
			KL032412	535.00	536.00	1.00	0.01
			KL032413	536.00	537.00	1.00	0.00
			KL032414	537.00	538.00	1.00	0.00
			KL032415	544.00	545.00	1.00	0.03
			KL032416	545.00	546.00	1.00	0.01
			KL032417	546.00	547.00	1.00	0.02
			KL032418	547.00	548.00	1.00	0.01
			KL032419	566.00	567.00	1.00	0.01
			KL032421	567.00	567.50	0.50	0.01
			KL032422	567.50	568.00	0.50	0.00
574.90	580.70	GAB, Gabbro dark green, chloritic with interstitial sericitized plagioclase, medium grained, homogeneous, @ 578.2 5 cm pink calcitic vnt perpendicular to CA, from 578.5 to 578.7 pink potassic granodioritic dike @ 50 DTCA with tr sul, shp FW ct perpendicular to CA	KL032423	580.00	580.70	0.70	0.00
580.70	601.20	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally carbonaceous, fine grained, massive, homogeneous, abundant carbonate sts and vnt' @ 30 DTCA to parallel to CA, tr sul, shp FW ct @ 80 DTCA	KL032424	580.70	581.50	0.80	0.00
			KL032425	581.50	582.00	0.50	0.00
601.20	606.10	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey, chloritic, silicified, mottled with white calcite, glomeroporphyritic texture, tr sul,shp FW ct @ 80 DTCA					

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
606.10	623.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally carbonaceous, fine grained, massive, homogeneous, abundant carbonate sts and vnt' @ 30 DTCA to parallel to CA, tr sul, @ 613.7 10 cm qtz vn rimmed with granodiorite @ 50 DTCA, tr sul, from 619.1 to 619.6 seres of pink potassic granodortic dikes up to 12 cm in width @ 50 DTCA, tr sul, gradational FW ct perpendicular to CA	KL032426	606.10	607.00	0.90	0.01
			KL032427	607.00	608.00	1.00	0.00
			KL032428	618.00	619.00	1.00	0.00
			KL032429	619.00	620.00	1.00	0.00
			KL032431	620.00	621.00	1.00	0.00
			KL032432	621.00	622.00	1.00	0.00
			KL032433	622.00	623.00	1.00	0.00
623.00	628.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, slightly sericitic, moderately foliated with foliation @ 50 DTCA, @ 626 2 cm qtz-carb vnt @ 30 DTCA with approx 5 to 6% clusters of subhedral py locd along vnt ct', from 626 to 628 approx 2 to 3% disseminated py, gradational FW ct perpendicular to CA	KL032434	623.00	624.00	1.00	0.00
			KL032435	624.00	625.00	1.00	0.00
			KL032436	625.00	625.50	0.50	0.00
			KL032437	625.50	626.00	0.50	0.00
			KL032438	626.00	626.50	0.50	0.01
			KL032439	626.50	627.00	0.50	0.00
			KL032441	627.00	628.00	1.00	0.01
628.00	635.00	GAB, Gabbro dark green, chloritic with interstitial sericitized plagioclase, medium grained, homogeneous, scattered car sts @ 40 to 50 DTCA, approx 1 to 2% disseminated py, fractured FW ct perpendicular to CA	KL032442	628.00	629.00	1.00	0.00
635.00	637.20	FZ, Fault Zone dark green, chloritic, variably silicified, extremely fractured and blocky core with fractures predominantly @ 70 to 80 DTCA, approx 2 to 3% disseminated py, fractured FW ct @ 50 DTCA	KL032443	635.00	636.00	1.00	0.01
			KL032444	636.00	637.20	1.20	0.00
637.20	655.20	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, slightly sericitic, moderately foliated with foliation @ 40 DTCA, blotchy feldspathic and sericitized patches throughout unit, from 650.2 to 650.8, 651.3 to 651.4 and 654.5 to 654.8 dark green magetite-rich IF's with approx 6 to 7% clusters of subhedral to euhedral py, diffuse gradational ct' perpendicular to CA, shp FW ct @ 40 DTCA	KL032445	637.20	638.00	0.80	0.00
			KL032446	638.00	639.00	1.00	0.00
			KL032447	639.00	640.00	1.00	0.00
			KL032448	640.00	641.00	1.00	0.00
			KL032449	649.00	650.00	1.00	0.00
			KL032451	650.00	651.00	1.00	0.00
			KL032452	651.00	652.00	1.00	0.01
			KL032453	652.00	653.00	1.00	0.01
			KL032454	653.00	654.00	1.00	0.00
			KL032455	654.00	655.20	1.20	0.01
655.20	665.30	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally carbonaceous, fine grained, massive, homogeneous, abundant carbonate sts and vnt' @ 30 DTCA to parallel to CA, tr sul, gradational FW ct perpendicular to CA	KL032456	664.00	664.50	0.50	0.01
			KL032457	664.50	665.30	0.80	0.00
665.30	667.30	FV, Melkior - Felsic Volcanics light green, silicified, sericitic, moderately foliated, slightlt sheared with foliation @ 50 DTCA, strongly fractured with fractures @ 60 to 70 DTCA, from 666.2 to 666.4 20 cm white-green qtz vn perpendicular to CA with fuschitic bands and approx 3 to 4% clusters of subhedral py locd @ VN HW ct, @ 667 3 cm white qv perpendicular to CA with approx 12 to 15% semi-massive py, from 667.06 to 667.26 pinkish orange potassic FP dike @ 70 DTCA, tr sul, shp fractured FW ct @ 70 DTCA	KL032458	665.30	666.00	0.70	0.00
			KL032459	666.00	666.50	0.50	0.01
			KL032461	666.50	667.30	0.80	0.40

DETAILED LOG

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Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
667.30	669.00	FZ, Fault Zone dark green, chloritic, variably silicified, extremely fractured and blocky core with fractures predominantly @ 50 to 70 DTCA, approx 1 to 2% disseminated py, fractured FW ct @ 70 DTCA	KL032462	667.30	668.00	0.70	0.01
			KL032463	668.00	669.00	1.00	0.01
669.00	674.30	FV, Melkior - Felsic Volcanics light grey, siliceous, slightly sericitic, weakly foliated with foliation @ 50 DTCA, scattered qtz-carb sts and vnt' @ 50 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 80 DTCA	KL032464	669.00	670.00	1.00	0.01
674.30	723.10	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, slightly sericitic, moderately foliated with foliation @ 40 DTCA, blotchy feldspathic and sericitized patches throughout unit, from 680.16 to 680.6 dark green chloritic and magnetite-rich IF with approx 10 to 12% clusters of subhedral py, from 682.8 to 683.1 dark green chloritic, carbonaceous and slightly cherty magnetite rich IF with cluster of approx 15 to 20% subhedral py, shp HW and FW ct' @ 50 and 70 DTCA respectively, @ 686.7 cluster of approx 6 to 7% disseminated py, from 687 to 691.5 crackle breccia of qtz-calcite vn' with 2 vn directions @ 60 to 70 DTCA and subparallel to CA, @ 688.3 1 cm carb vnt @ 30 DTCA with approx 4 to 5% patchy po and py, from 688.8 to 689.1 pink potassic FP @ 50 DTCA with tr sul, from 692 to 723.1 daek green, chloritic flowy textures, scattered qtz-calcite vn' up to 9 cm in width @ 30 to 40 DTCA with tr sul, from 713.8 to 714 clusters of apprx 6 to 7% subhedral py, from 718.6 to 718.9 pinkish potassic FP dike @ 80 DTCA with tr sul, gradational FW ct @ 70 DTCA	KL032465	676.00	677.00	1.00	0.01
			KL032466	677.00	678.00	1.00	0.01
			KL032467	678.00	679.00	1.00	0.00
			KL032468	679.00	680.00	1.00	0.00
			KL032469	680.00	681.00	1.00	0.02
			KL032471	681.00	682.00	1.00	0.01
			KL032472	682.00	682.50	0.50	0.00
			KL032473	682.50	683.00	0.50	0.08
			KL032474	683.00	683.50	0.50	0.01
			KL032475	683.50	684.00	0.50	0.01
			KL032476	684.00	685.00	1.00	0.00
			KL032477	685.00	686.00	1.00	0.01
			KL032478	686.00	686.50	0.50	0.00
			KL032479	686.50	687.00	0.50	0.01
			KL032481	687.00	688.00	1.00	0.00
			KL032482	688.00	688.50	0.50	0.02
			KL032483	688.50	689.00	0.50	0.01
			KL032484	689.00	690.00	1.00	0.00
			KL032485	696.00	697.00	1.00	0.01
			KL032486	697.00	698.00	1.00	0.07
			KL032487	698.00	699.00	1.00	0.01
			KL032488	713.00	713.50	0.50	0.01
			KL032489	713.50	714.00	0.50	0.02
			KL032491	714.00	714.50	0.50	0.01
			KL032492	714.50	715.00	0.50	0.00
			KL032493	715.00	715.50	0.50	0.00
			KL032494	715.50	716.00	0.50	0.00
			KL032495	716.00	717.00	1.00	0.01
			KL032496	722.00	723.10	1.10	0.00
723.10	724.10	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, scattered qtz vnt' @ 70 DTCA and 40 DTCA, approx 4 to 5% scattered patchy po and disseminated po, approx 2 to 3% disseminated py, alteration halo, shp FW ct @ 70 DTCA	KL032497	723.10	723.60	0.50	0.01
			KL032498	723.60	724.10	0.50	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
724.10	725.50	QV, Quartz Vein grey-green, silicified, sericitic, quartz vein zone, predominantly silicied with quartz veins @ 50 to 70 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 60 DTCA	KL032499	724.10	724.60	0.50	0.01
			KL032501	724.60	725.50	0.90	0.01
725.50	734.80	FV, Melkior - Felsic Volcanics light grey-green, siliceous, sericitic, weakly foliated with foliation @ 70 to 80 DTCA, massive, fine grained, from 726 to 726.8 patchy dark grey qv' @ 60 to 70 DTCA with approx 7 to 8% patchy po throughout, shp FW ct @ 20 DTCA	KL032502	725.50	726.00	0.50	2.31
			KL032503	726.00	726.50	0.50	0.03
			KL032504	726.50	727.00	0.50	0.03
			KL032505	727.00	728.00	1.00	0.23
			KL032506	728.00	729.00	1.00	0.08
			KL032507	729.00	730.00	1.00	0.14
			KL032508	730.00	731.00	1.00	0.05
			KL032509	731.00	732.00	1.00	0.02
			KL032511	732.00	733.00	1.00	0.00
			KL032512	733.00	734.00	1.00	0.00
			KL032513	734.00	734.80	0.80	0.00
734.80	736.20	QV, Quartz Vein greenish white quartz vein with patchy sericitic and chloritic alteration throughout, approx 1 to 2% disseminated py, shp FW ct @ 10 DTCA,	KL032514	734.80	735.50	0.70	0.00
			KL032515	735.50	736.20	0.70	0.00
736.20	746.90	BaM, Melkior - Basalt; fine grained; massive dark grey-green, chloritic, slightly siliceous and carbonaceous, slightly more intermediate in composition, massive, fine grained, stockworks of qtz-carb infilled tension gashes predominantly oriented @ 50 to 60 DTCA and crosscut by later generation of veining subparallel to CA, @ 742 grey brecciated qv @ 70 DTCA with approx 8 to 10% disseminated py, approx 2 to 3% disseminated py throughout, shp FW ct perpendicular to CA	KL032516	736.20	736.80	0.60	0.01
			KL032517	736.80	737.40	0.60	0.00
			KL032518	737.40	738.00	0.60	0.01
			KL032519	738.00	739.00	1.00	0.01
			KL032521	739.00	740.00	1.00	0.01
			KL032522	740.00	741.00	1.00	0.01
			KL032523	741.00	742.00	1.00	0.01
			KL032524	742.00	742.50	0.50	0.10
			KL032525	742.50	743.00	0.50	0.01
			KL032526	743.00	744.00	1.00	0.01
			KL032527	744.00	745.00	1.00	0.01
			KL032528	745.00	746.00	1.00	0.01
			KL032529	746.00	746.90	0.90	0.01
746.90	748.00	QV, Quartz Vein greenish white quartz vein with patchy sericitic and chloritic alteration throughout, micaceous sasseritization within sericitic patches, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA,	KL032531	746.90	747.40	0.50	0.07
			KL032532	747.40	748.00	0.60	0.01

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Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
748.00	801.90	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, flowy textures, localized brecciated hyaloclastite, fine grained, from 751.5 to 751.6 clusters of approx 8 to 10% disseminated and subhedral py locd along feldspathic albitic dike FW ct @ 40 DTCA, @ 756.45 5 cm zone of approx 20 to 25% semi-massive po with approx 5 to 6% subhedral py, from 763.75 to 763.8 5 cm grey qv @ 80 DTCA with approx 2 to 3% disseminated py, from 763.95 to 764.1 15 cm grey qv @ 70 DTCA with 3 to 4% disseminated py and 2 to 3% po, from 771.16 to 771.26 white qtz-albite vn @ 50 DTCA with tr sul, @ 781.7 3 cm white qtz vnt @ 70 DTCA with 2 to 3% disseminated py and 1 to 2% asp, from 781.7 to 782.3 blocky fractured core with fractures@ 40 to 50 DTCA, from 784 to 795 localized brecciated and flowy hyaloclastite, approx 2 to 3% disseminated py and 2 to 3% blebby po, from 800.8 to 801.5 qtz-albite dihe subparallel to CA with approx 1 to 2% disseminated py, EOH @ 801.9 meters	KL032533	748.00	749.00	1.00	0.01
			KL032534	749.00	750.00	1.00	0.00
			KL032535	750.00	751.00	1.00	0.00
			KL032536	751.00	751.50	0.50	0.00
			KL032537	751.50	752.00	0.50	0.00
			KL032538	752.00	753.00	1.00	0.00
			KL032539	753.00	754.00	1.00	0.00
			KL032541	754.00	755.00	1.00	0.00
			KL032542	755.00	756.00	1.00	0.06
			KL032543	756.00	756.50	0.50	0.02
			KL032544	756.50	757.00	0.50	0.02
			KL032545	757.00	758.00	1.00	0.00
			KL032546	762.00	763.00	1.00	0.01
			KL032547	763.00	763.50	0.50	0.00
			KL032548	763.50	764.00	0.50	0.13
			KL032549	764.00	764.50	0.50	0.38
			KL032551	764.50	765.00	0.50	0.00
			KL032552	770.00	771.00	1.00	0.00
			KL032553	771.00	772.00	1.00	0.00
			KL032554	772.00	773.00	1.00	0.00
			KL032555	773.00	774.00	1.00	0.01
			KL032556	774.00	775.00	1.00	0.00
			KL032557	781.00	782.00	1.00	0.00
			KL032558	782.00	783.00	1.00	0.01
			KL032559	783.00	784.00	1.00	0.02
			KL032561	784.00	785.00	1.00	0.00
			KL032562	785.00	786.00	1.00	0.08
			KL032563	786.00	787.00	1.00	0.00
			KL032564	787.00	788.00	1.00	0.02
			KL032565	788.00	789.00	1.00	0.01
			KL032566	789.00	790.00	1.00	0.00
			KL032567	790.00	791.00	1.00	0.06
			KL032568	791.00	792.00	1.00	0.64
			KL032569	792.00	793.00	1.00	0.01
			KL032571	793.00	794.00	1.00	0.02
			KL032572	798.00	799.00	1.00	0.00
			KL032573	799.00	800.00	1.00	0.01
			KL032574	800.00	800.80	0.80	0.01
			KL032575	800.80	801.90	1.10	0.01

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Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL032075	18.00	19.00	0.0070
KL032076	19.00	19.50	0.0180
KL032077	19.50	20.00	0.0100
KL032078	20.00	20.50	0.0140
KL032079	20.50	21.00	0.0110
KL032081	21.00	21.50	0.0100
KL032082	21.50	22.30	0.0150
KL032083	22.30	23.00	0.0050
KL032084	30.00	31.00	0.0050
KL032085	31.00	32.20	0.0070
KL032086	32.20	33.00	0.0120
KL032087	33.00	34.00	0.0025
KL032088	34.00	35.00	0.0025
KL032089	35.00	35.50	0.0380
KL032091	35.50	36.20	0.0190
KL032092	36.20	37.00	0.0025
KL032093	41.20	42.00	0.0025
KL032094	42.00	42.50	0.0140
KL032095	42.50	43.00	0.0140
KL032096	43.00	44.00	0.0140
KL032097	49.90	50.40	0.0050
KL032098	50.40	51.20	0.0640
KL032099	51.20	52.00	0.0025
KL032101	55.00	55.50	0.0025
KL032102	55.50	56.00	0.0070
KL032103	56.00	56.50	0.0500
KL032104	56.50	57.20	0.0050
KL032105	65.10	66.00	0.0090
KL032106	66.00	66.50	0.0120
KL032107	66.50	67.00	0.0230
KL032108	67.00	67.60	0.0080
KL032109	76.00	76.50	0.0060
KL032111	76.50	77.40	0.0060
KL032112	77.40	78.00	0.0080
KL032113	78.00	78.90	0.0150
KL032114	87.00	88.00	0.0070
KL032115	88.00	89.00	0.0090
KL032116	89.00	90.00	0.0070
KL032117	90.00	91.00	0.0060

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032118	91.00	92.00	0.0070
KL032119	108.50	109.40	0.0080
KL032121	109.40	110.00	0.0190
KL032122	110.00	110.60	0.0160
KL032123	110.60	111.50	0.0100
KL032124	111.50	112.00	0.0090
KL032125	112.00	113.00	0.0050
KL032126	113.00	114.00	0.0060
KL032127	114.00	115.00	0.0025
KL032128	118.30	119.00	0.0025
KL032129	119.00	120.00	0.0050
KL032131	120.00	121.00	0.0100
KL032132	121.00	122.00	0.0060
KL032133	122.00	123.00	0.0050
KL032134	123.00	124.00	0.0120
KL032135	124.00	125.00	0.0150
KL032136	125.00	126.00	0.0025
KL032137	126.00	127.00	0.0050
KL032138	127.00	128.00	0.0050
KL032139	128.00	129.00	0.0025
KL032141	135.00	136.00	0.0610
KL032142	136.00	137.00	0.0130
KL032143	137.00	138.00	0.0130
KL032144	138.00	139.00	0.0100
KL032145	139.00	140.00	0.0110
KL032146	140.00	141.00	0.0110
KL032147	141.00	142.00	0.0150
KL032148	142.00	142.50	0.0440
KL032149	142.50	143.00	0.0470
KL032151	143.00	143.60	0.0140
KL032152	143.60	144.50	0.0100
KL032153	158.00	159.00	0.0070
KL032154	159.00	160.00	0.0025
KL032155	163.50	164.00	0.0050
KL032156	164.00	164.90	0.0025
KL032157	164.90	166.00	0.0025
KL032158	173.10	174.00	0.0060
KL032159	174.00	175.00	0.0025
KL032161	175.00	176.00	0.0025

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032162	176.00	177.00	0.0025
KL032163	185.00	186.00	0.0025
KL032164	186.00	186.50	0.0025
KL032165	186.50	187.00	0.0025
KL032166	187.00	188.00	0.0025
KL032167	196.00	196.50	0.0025
KL032168	196.50	197.30	0.0025
KL032169	197.30	198.00	0.0050
KL032171	198.00	199.00	0.0070
KL032172	199.00	199.50	0.0025
KL032173	204.00	205.00	0.0025
KL032174	205.00	206.00	0.0050
KL032175	213.00	214.20	0.0025
KL032176	214.20	215.20	0.0210
KL032177	218.00	218.60	0.0025
KL032178	218.60	219.10	0.0240
KL032179	219.10	219.70	0.0290
KL032181	219.70	220.50	0.0060
KL032182	225.10	226.00	0.0025
KL032183	226.00	226.50	0.0025
KL032184	226.50	227.30	0.0025
KL032185	227.30	227.80	0.0620
KL032186	227.80	228.30	0.0060
KL032187	228.30	229.00	0.0060
KL032188	229.00	230.00	0.0060
KL032189	230.00	230.90	0.0060
KL032191	230.90	231.50	0.0060
KL032192	231.50	232.00	0.5140
KL032193	232.00	233.00	0.0510
KL032194	233.00	234.00	0.0110
KL032195	234.00	235.00	0.0060
KL032196	235.00	236.00	0.0060
KL032197	236.00	236.50	0.0290
KL032198	236.50	237.40	0.0780
KL032199	237.40	238.00	0.0150
KL032201	238.00	239.00	0.0070
KL032202	248.00	249.00	0.0025
KL032203	249.00	250.00	0.0025
KL032204	250.00	251.00	0.0025

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032205	251.00	251.50	0.0100
KL032206	251.50	252.00	0.0025
KL032207	252.00	253.00	0.0025
KL032208	253.00	253.50	0.0025
KL032209	253.50	254.20	0.0025
KL032211	254.20	255.00	0.0025
KL032212	255.00	255.50	0.0025
KL032213	255.50	256.00	0.0025
KL032214	259.10	260.00	0.0210
KL032215	260.00	260.50	0.0060
KL032216	260.50	261.00	0.0025
KL032217	267.00	267.50	0.0025
KL032218	267.50	268.00	0.0050
KL032219	268.00	268.50	0.0025
KL032221	268.50	269.00	0.0025
KL032222	269.00	269.40	0.0670
KL032223	269.40	270.00	0.0450
KL032224	270.00	270.50	0.0090
KL032225	270.50	271.00	0.1320
KL032226	271.00	272.00	0.0025
KL032227	272.00	272.60	0.0025
KL032228	272.60	273.10	0.0025
KL032229	273.10	274.00	0.0060
KL032231	274.00	275.00	0.0070
KL032232	275.00	275.50	0.0080
KL032233	275.50	276.00	0.0070
KL032234	276.00	277.00	0.0050
KL032235	277.00	278.00	0.0025
KL032236	278.00	279.00	0.0025
KL032237	279.00	280.00	0.0050
KL032238	280.00	280.50	0.0025
KL032239	280.50	281.40	0.0090
KL032241	281.40	282.00	0.0660
KL032242	282.00	283.00	0.0060
KL032243	283.00	284.00	0.0150
KL032244	284.00	285.00	0.0080
KL032245	285.00	285.50	0.0025
KL032246	285.50	286.40	0.0110
KL032247	286.40	287.00	0.0050

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032248	287.00	287.50	0.0025
KL032249	287.50	288.00	2.3200
KL032251	288.00	289.00	0.0660
KL032252	289.00	290.00	0.0025
KL032253	290.00	291.00	0.0025
KL032254	291.00	292.00	0.0025
KL032255	292.00	292.50	9.9600
KL032256	292.50	293.00	0.0380
KL032257	293.00	294.00	0.0160
KL032258	299.00	300.00	0.0050
KL032259	300.00	301.20	0.0025
KL032261	301.20	302.00	2.2900
KL032262	302.00	303.00	0.8360
KL032263	303.00	304.00	0.3510
KL032264	304.00	305.00	0.1570
KL032265	305.00	305.50	0.1370
KL032266	305.50	306.00	0.2160
KL032267	306.00	306.50	0.1410
KL032268	306.50	307.00	1.2900
KL032269	307.00	307.50	0.0200
KL032271	307.50	308.00	1.4400
KL032272	308.00	308.50	3.3200
KL032273	308.50	309.00	1.4400
KL032274	309.00	310.00	0.7030
KL032275	310.00	311.00	0.0700
KL032276	311.00	312.00	0.1410
KL032277	312.00	313.00	0.1780
KL032278	313.00	313.50	0.0330
KL032279	313.50	314.00	0.0240
KL032281	314.00	315.00	0.0600
KL032282	315.00	316.00	0.1170
KL032283	316.00	317.00	0.0170
KL032284	317.00	318.00	0.0160
KL032285	318.00	319.00	0.1260
KL032286	319.00	320.00	0.1840
KL032287	320.00	320.80	0.3290
KL032288	320.80	322.00	0.0460
KL032289	322.00	323.00	0.0025
KL032291	323.00	324.00	0.0025

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032292	324.00	325.00	0.0050
KL032293	325.00	325.80	0.0130
KL032294	325.80	327.00	0.0025
KL032295	337.25	338.00	0.0070
KL032296	338.00	339.00	0.0080
KL032297	339.00	340.00	0.0080
KL032298	340.00	341.00	0.0050
KL032299	341.00	342.00	0.0060
KL032301	342.00	343.00	0.0060
KL032302	343.00	344.00	0.0070
KL032303	344.00	345.00	0.0060
KL032304	345.00	346.00	0.0080
KL032305	346.00	347.00	0.0080
KL032306	347.00	348.00	0.0100
KL032307	348.00	349.00	0.0090
KL032308	349.00	349.50	0.0170
KL032309	349.50	350.00	0.4280
KL032311	350.00	350.50	0.0190
KL032312	350.50	351.00	0.0070
KL032313	351.00	352.00	0.0060
KL032314	364.00	365.00	0.0070
KL032315	365.00	366.00	0.0120
KL032316	371.60	372.50	0.0025
KL032317	372.50	373.00	0.0110
KL032318	373.00	374.00	0.0025
KL032319	384.00	385.00	0.0050
KL032321	385.00	386.00	0.0025
KL032322	386.00	387.00	0.0050
KL032323	391.00	392.00	0.0025
KL032324	392.00	392.50	0.0025
KL032325	392.50	393.30	0.0110
KL032326	393.30	394.00	0.0025
KL032327	394.00	395.00	0.0110
KL032328	395.00	395.50	0.1020
KL032329	395.50	396.00	0.6750
KL032331	396.00	396.50	49.6000
KL032332	396.50	397.00	0.0980
KL032333	397.00	397.50	0.0690
KL032334	397.50	398.00	0.0060

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032335	398.00	399.00	0.0110
KL032336	399.00	400.00	0.0025
KL032337	400.00	401.00	0.0060
KL032338	401.00	402.00	0.0060
KL032339	402.00	403.00	0.0070
KL032341	403.00	403.50	0.0140
KL032342	403.50	404.00	0.3090
KL032343	404.00	405.00	0.0130
KL032344	405.00	406.00	0.0110
KL032345	406.00	407.00	0.0100
KL032346	407.00	408.00	0.0140
KL032347	408.00	408.50	0.6240
KL032348	408.50	409.00	0.2390
KL032349	409.00	410.00	0.0060
KL032351	410.00	411.00	0.0025
KL032352	411.00	411.60	0.0640
KL032353	411.60	412.20	0.0025
KL032354	412.20	413.00	0.0025
KL032355	415.80	416.30	0.0110
KL032356	416.30	417.20	0.0025
KL032357	428.00	429.20	0.0025
KL032358	429.20	430.00	0.0025
KL032359	430.00	431.00	0.0025
KL032361	431.00	431.50	0.0025
KL032362	431.50	432.00	0.0100
KL032363	432.00	433.00	0.0130
KL032364	433.00	433.50	0.0300
KL032365	433.50	434.00	0.0340
KL032366	434.00	434.60	0.0280
KL032367	434.60	435.10	0.0025
KL032368	435.10	436.00	0.0025
KL032369	436.00	436.50	0.0025
KL032371	436.50	437.00	0.0025
KL032372	437.00	438.00	0.0025
KL032373	438.00	439.00	0.0070
KL032374	442.50	443.00	0.0480
KL032375	443.00	443.50	0.0190
KL032376	443.50	444.10	23.1000
KL032377	444.10	445.00	0.0730

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032378	445.00	446.00	0.2010
KL032379	446.00	447.00	0.0130
KL032381	447.00	448.00	0.0110
KL032382	448.00	448.50	0.0025
KL032383	448.50	449.00	1.1700
KL032384	449.00	449.50	0.0080
KL032385	449.50	450.00	0.0210
KL032386	458.00	459.00	0.0590
KL032387	459.00	460.00	0.0070
KL032388	460.00	461.00	0.0110
KL032389	461.00	462.00	0.0025
KL032391	469.10	470.00	0.0050
KL032392	470.00	471.00	0.0025
KL032393	471.00	472.00	0.0025
KL032394	472.00	473.00	0.0120
KL032395	473.00	474.00	0.0050
KL032396	474.00	475.00	0.0100
KL032397	497.00	498.00	0.0025
KL032398	498.00	499.00	0.0025
KL032399	499.00	500.00	0.0025
KL032401	500.00	501.00	0.0060
KL032402	522.00	523.00	0.0025
KL032403	523.00	524.00	0.0025
KL032404	524.00	525.00	0.0025
KL032405	525.00	526.00	0.0070
KL032406	526.00	527.00	0.0060
KL032407	531.00	532.00	0.0320
KL032408	532.00	533.00	0.0025
KL032409	533.00	534.00	0.0090
KL032411	534.00	535.00	0.0090
KL032412	535.00	536.00	0.0060
KL032413	536.00	537.00	0.0025
KL032414	537.00	538.00	0.0025
KL032415	544.00	545.00	0.0260
KL032416	545.00	546.00	0.0080
KL032417	546.00	547.00	0.0160
KL032418	547.00	548.00	0.0050
KL032419	566.00	567.00	0.0060
KL032421	567.00	567.50	0.0050

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032422	567.50	568.00	0.0025
KL032423	580.00	580.70	0.0025
KL032424	580.70	581.50	0.0025
KL032425	581.50	582.00	0.0025
KL032426	606.10	607.00	0.0050
KL032427	607.00	608.00	0.0025
KL032428	618.00	619.00	0.0025
KL032429	619.00	620.00	0.0025
KL032431	620.00	621.00	0.0025
KL032432	621.00	622.00	0.0025
KL032433	622.00	623.00	0.0025
KL032434	623.00	624.00	0.0025
KL032435	624.00	625.00	0.0025
KL032436	625.00	625.50	0.0025
KL032437	625.50	626.00	0.0025
KL032438	626.00	626.50	0.0050
KL032439	626.50	627.00	0.0025
KL032441	627.00	628.00	0.0050
KL032442	628.00	629.00	0.0025
KL032443	635.00	636.00	0.0050
KL032444	636.00	637.20	0.0025
KL032445	637.20	638.00	0.0025
KL032446	638.00	639.00	0.0025
KL032447	639.00	640.00	0.0025
KL032448	640.00	641.00	0.0025
KL032449	649.00	650.00	0.0025
KL032451	650.00	651.00	0.0025
KL032452	651.00	652.00	0.0070
KL032453	652.00	653.00	0.0060
KL032454	653.00	654.00	0.0025
KL032455	654.00	655.20	0.0110
KL032456	664.00	664.50	0.0060
KL032457	664.50	665.30	0.0025
KL032458	665.30	666.00	0.0025
KL032459	666.00	666.50	0.0140
KL032461	666.50	667.30	0.4000
KL032462	667.30	668.00	0.0140
KL032463	668.00	669.00	0.0070
KL032464	669.00	670.00	0.0090

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032465	676.00	677.00	0.0070
KL032466	677.00	678.00	0.0050
KL032467	678.00	679.00	0.0025
KL032468	679.00	680.00	0.0025
KL032469	680.00	681.00	0.0210
KL032471	681.00	682.00	0.0100
KL032472	682.00	682.50	0.0025
KL032473	682.50	683.00	0.0790
KL032474	683.00	683.50	0.0050
KL032475	683.50	684.00	0.0070
KL032476	684.00	685.00	0.0025
KL032477	685.00	686.00	0.0060
KL032478	686.00	686.50	0.0025
KL032479	686.50	687.00	0.0120
KL032481	687.00	688.00	0.0025
KL032482	688.00	688.50	0.0150
KL032483	688.50	689.00	0.0130
KL032484	689.00	690.00	0.0025
KL032485	696.00	697.00	0.0090
KL032486	697.00	698.00	0.0730
KL032487	698.00	699.00	0.0100
KL032488	713.00	713.50	0.0070
KL032489	713.50	714.00	0.0170
KL032491	714.00	714.50	0.0070
KL032492	714.50	715.00	0.0025
KL032493	715.00	715.50	0.0025
KL032494	715.50	716.00	0.0025
KL032495	716.00	717.00	0.0050
KL032496	722.00	723.10	0.0025
KL032497	723.10	723.60	0.0110
KL032498	723.60	724.10	0.0750
KL032499	724.10	724.60	0.0060
KL032501	724.60	725.50	0.0100
KL032502	725.50	726.00	2.3100
KL032503	726.00	726.50	0.0300
KL032504	726.50	727.00	0.0290
KL032505	727.00	728.00	0.2290
KL032506	728.00	729.00	0.0820
KL032507	729.00	730.00	0.1350

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032508	730.00	731.00	0.0510
KL032509	731.00	732.00	0.0200
KL032511	732.00	733.00	0.0025
KL032512	733.00	734.00	0.0025
KL032513	734.00	734.80	0.0025
KL032514	734.80	735.50	0.0025
KL032515	735.50	736.20	0.0025
KL032516	736.20	736.80	0.0100
KL032517	736.80	737.40	0.0025
KL032518	737.40	738.00	0.0050
KL032519	738.00	739.00	0.0050
KL032521	739.00	740.00	0.0070
KL032522	740.00	741.00	0.0080
KL032523	741.00	742.00	0.0050
KL032524	742.00	742.50	0.0980
KL032525	742.50	743.00	0.0050
KL032526	743.00	744.00	0.0070
KL032527	744.00	745.00	0.0070
KL032528	745.00	746.00	0.0090
KL032529	746.00	746.90	0.0070
KL032531	746.90	747.40	0.0690
KL032532	747.40	748.00	0.0100
KL032533	748.00	749.00	0.0070
KL032534	749.00	750.00	0.0025
KL032535	750.00	751.00	0.0025
KL032536	751.00	751.50	0.0025
KL032537	751.50	752.00	0.0025
KL032538	752.00	753.00	0.0025
KL032539	753.00	754.00	0.0025
KL032541	754.00	755.00	0.0025
KL032542	755.00	756.00	0.0640
KL032543	756.00	756.50	0.0180
KL032544	756.50	757.00	0.0210
KL032545	757.00	758.00	0.0025
KL032546	762.00	763.00	0.0080
KL032547	763.00	763.50	0.0025
KL032548	763.50	764.00	0.1280
KL032549	764.00	764.50	0.3780
KL032551	764.50	765.00	0.0025

Hole Number: **CAR-22-31**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL032552	770.00	771.00	0.0025
KL032553	771.00	772.00	0.0025
KL032554	772.00	773.00	0.0025
KL032555	773.00	774.00	0.0090
KL032556	774.00	775.00	0.0025
KL032557	781.00	782.00	0.0025
KL032558	782.00	783.00	0.0050
KL032559	783.00	784.00	0.0180
KL032561	784.00	785.00	0.0025
KL032562	785.00	786.00	0.0780
KL032563	786.00	787.00	0.0025
KL032564	787.00	788.00	0.0210
KL032565	788.00	789.00	0.0060
KL032566	789.00	790.00	0.0025
KL032567	790.00	791.00	0.0570
KL032568	791.00	792.00	0.6390
KL032569	792.00	793.00	0.0060
KL032571	793.00	794.00	0.0150
KL032572	798.00	799.00	0.0025
KL032573	799.00	800.00	0.0070
KL032574	800.00	800.80	0.0130
KL032575	800.80	801.90	0.0140

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Project Name: MELKIOR	Primary Coordinates Grid: UTM:NAD83:	Destination Coordinates Grid: HOLT GRID:	Collar Dip: -60.00
Project Number: MELKIOR	North: 5357767.63	North: 34699.43	Collar Az: 320.00
Location: Carscallen Township	East: 452158.23	East: -129434.22	Length: 756.00
	Elev: 336.00	Elev: 5036.00	Start Depth: 0.00
Date Started: Oct 11, 2022	Collar Survey: N	Plugged: N	Final Depth: 756.00
Date Completed: Oct 27, 2022	Multishot Survey: N	Hole Size: NQ	
	Pulse EM Survey: N	Casing: YES	
		Contractor: Major	
		Core Storage: Carscallen	
		Logged by: Peter Caldbick	

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	320.00	-60.00	EZ Sho	OK		12.00	318.69	-60.75	EZ Sho	OK	
63.00	322.50	-60.13	EZ Sho	OK		114.00	323.94	-60.11	EZ Sho	OK	
165.00	325.49	-59.94	EZ Sho	OK		216.00	326.13	-59.83	EZ Sho	OK	
267.00	327.23	-59.70	EZ Sho	OK		318.00	328.25	-59.58	EZ Sho	OK	
369.00	329.24	-50.08	EZ Sho	OK		420.00	331.27	-58.16	EZ Sho	OK	
471.00	331.74	-57.12	EZ Sho	OK		522.00	332.56	-56.46	EZ Sho	OK	
573.00	334.83	-55.94	EZ Sho	OK		624.00	335.70	-55.19	EZ Sho	OK	
675.00	337.65	-54.43	EZ Sho	OK		726.00	338.83	-53.80	EZ Sho	OK	
756.00	339.16	-53.23	EZ Sho	OK							

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
0.00	1.00	OVB, MELKIOR - Overburden					
1.00	5.00	GRD_EP, Granodiorite - Epidotized (Melkior) light green, epidotitic, slightly potassic, intercalated dark grey carbonaceous and chloritic zones, glomeroporphyritic texture, sausseritization throughout unit, fractured, locally crumbled sections, fractures oriented @ 30 to 50 DTCA, tr sul, gradational FW ct @ 70 DTCA, tr sul					
5.00	14.00	GRD_POT, Granodiorite - Potassic (Melkior) light pale orange, potassic, slightly epidotitic, intercalated dark grey carbonaceous intervals, glomeroporphyritic texture, dark grey carbonaceous intervals possess interstitial blue qtz eyes and sprinkled with sericite and sausserite, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032576	9.00	10.00	1.00	0.00
			KL032577	10.00	11.00	1.00	0.00
			KL032578	11.00	12.00	1.00	0.00
			KL032579	12.00	13.00	1.00	0.00
			KL032581	13.00	14.00	1.00	0.00
14.00	20.60	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, interstitial blue qtz eyes, glomeroporphyritic texture, slightly sericitic and limonitic, strongly fractured with localized crumbled sections, approx 1 to 2% disseminated py, gradational FW ct	KL032582	14.00	15.00	1.00	0.00
			KL032583	19.00	20.00	1.00	0.00
			KL032584	20.00	20.60	0.60	0.00

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
20.60	26.20	GRD_EP, Granodiorite - Epidotized (Melkior) pale greenish orange, epidotitic, slightly potassic, dark grey chloritic and carbonaceous intervals, glomeroporphyritic texture, @ 22.1 1 cm band of approx 10 to 12% clusters of subhedral py @ 50 DTCA, interstitial blue qtz eyes throughout unit, approx 2 to 3% disseminated py, gradational FW ct @ 70 DTCA	KL032585	20.60	21.50	0.90	0.00
			KL032586	21.50	22.00	0.50	0.00
			KL032587	22.00	22.50	0.50	0.00
			KL032588	22.50	23.00	0.50	0.02
			KL032589	23.00	24.00	1.00	0.00
26.20	30.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, speckled with sericite and sausserite, glomeroporphyritic texture, interstitial blue qtz eyes, gradational FW ct @ 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 40 DTCA	KL032591	26.20	27.00	0.80	0.00
			KL032592	27.00	28.00	1.00	0.00
			KL032593	28.00	29.00	1.00	0.00
			KL032594	29.00	30.00	1.00	0.00
30.30	36.80	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					
36.80	65.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, predominantly chloritic and carbonaceous with slightly silicified and potassic intervals, glomeroporphyritic texture, @ 58.1 2 1 cm segregated clusters of approx 12 to 15% subhedral py @ 40 DTCA, @ 58.4 1 cm segregated band of subhedral py @ 40 DTCA, unit possesses interstitial blue qtz eyes, gradational FW ct @ 70 DTCA	KL032595	45.00	46.00	1.00	0.00
			KL032596	46.00	47.00	1.00	0.00
			KL032597	47.00	48.00	1.00	0.00
			KL032598	48.00	49.00	1.00	0.00
			KL032599	56.00	57.00	1.00	0.00
			KL032601	57.00	57.50	0.50	0.00
			KL032602	57.50	58.00	0.50	0.00
			KL032603	58.00	58.50	0.50	0.15
			KL032604	58.50	59.00	0.50	0.00
			KL032605	59.00	60.00	1.00	0.00
			KL032606	60.00	61.00	1.00	0.00
			KL032607	61.00	61.50	0.50	0.00
			KL032608	61.50	62.00	0.50	0.01
			KL032609	62.00	62.50	0.50	0.02
			KL032611	62.50	63.00	0.50	0.00
65.30	70.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					
70.00	83.40	GRD_POT, Granodiorite - Potassic (Melkior) dark orange, predominantly potassic, locally carbonaceous and chloritic with carbonaceous intervals, weakly epidotitic, interstitial blue qtz eyes, speckled with sausseritization, glomeroporphyritic texture, approx 2 to 3% disseminated py localized within carbonaceous zones, scattered qtz and carbonate vnt' varying in orientation from 30 to 70 DTCA, gradational fractured FW ct perpendicular to CA	KL032612	72.00	73.00	1.00	0.00
			KL032613	73.00	74.00	1.00	0.00
			KL032614	74.00	75.00	1.00	0.00
			KL032615	75.00	76.00	1.00	0.00
			KL032616	76.00	77.00	1.00	0.00
			KL032617	77.00	78.00	1.00	0.00
			KL032618	78.00	79.00	1.00	0.00
			KL032619	79.00	80.00	1.00	0.00
			KL032621	80.00	81.00	1.00	0.00
83.40	93.30	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, gradational FW ct @ 70 DTCA	KL032622	91.00	92.00	1.00	0.00
			KL032623	92.00	92.50	0.50	0.00
			KL032624	92.50	93.30	0.80	0.00

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
93.30	94.80	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, speckled with sericite and sausserite, glomeroporphyritic texture, interstitial blue qtz eyes, @ 93.5 1 cm sulphidic band with approx 20 to 25% subhedral py @ 50 DTCA, @ 93.75 2 cm cluster of approx 20 to 25% subhedral py @ 30 DTCA, @ 93.9 4 cm cluster of approx 30 to 35% subhedral coarse py aligned subparallel to CA, from 94.7 to 94.8 approx 10 to 12% disseminated and subhedral py, shp FW ct @ 40 DTCA	KL032625	93.30	93.80	0.50	0.12
			KL032626	93.80	94.30	0.50	0.08
			KL032627	94.30	94.80	0.50	0.02
94.80	107.60	GRD_POT, Granodiorite - Potassic (Melkior) dark orange, predominantly potassic, locally carbonaceous and chloritic with carbonaceous intervals, weakly epidotitic, interstitial blue qtz eyes, speckled with sausseritization, glomeroporphyritic texture, mottled with white calcite flakes, scattered 2 to 3Cm qtz vnt' @ 70 to 80 DTCA, approx 2 to 3% disseminated py	KL032628	94.80	96.00	1.20	0.00
			KL032629	107.00	107.60	0.60	0.01
107.60	108.90	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, slightly potassic, speckled with sericite and sausserite, glomeroporphyritic texture, interstitial blue qtz eyes, approx 2 to 3% disseminated py, fractured FW ct @ 40 DTCA	KL032631	107.60	108.10	0.50	0.07
			KL032632	108.10	108.90	0.80	0.02
108.90	120.40	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, gradational FW ct @ 70 DTCA	KL032633	108.90	110.00	1.10	0.01
120.40	124.00	GRD_POT, Granodiorite - Potassic (Melkior) dark orange, predominantly potassic, locally carbonaceous and chloritic with carbonaceous intervals, weakly epidotitic, interstitial blue qtz eyes, speckled with sausseritization, glomeroporphyritic texture, weakly mottled with white calcite locally, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032634	120.40	121.00	0.60	0.00
			KL032635	121.00	122.00	1.00	0.01
			KL032636	122.00	123.00	1.00	0.00
			KL032637	123.00	124.00	1.00	0.00
124.00	148.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, irregular FW ct @ 70 DTCA					
148.20	150.20	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, slightly epidotitic, speckled with sericite and sausserite, glomeroporphyritic texture, interstitial blue qtz eyes, approx 1 to 2% disseminated py, gradational FW ct perpendicular to DTCA	KL032638	148.20	149.00	0.80	0.00
			KL032639	149.00	150.20	1.20	0.01
150.20	159.70	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified and epidotitic, glomeroporphyritic texture, interstitial blue qtz eyes, approx 1 to 2% disseminated py, moderately fractured, gradational FW ct @ 80 DTCA	KL032641	150.20	151.00	0.80	0.00
			KL032642	151.00	152.00	1.00	0.21
			KL032643	152.00	153.00	1.00	0.01
			KL032644	158.00	159.00	1.00	0.00
			KL032645	159.00	159.70	0.70	0.01
159.70	170.20	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, irregular FW ct @ 70 DTCA	KL032646	159.70	160.30	0.60	0.00
			KL032647	160.30	161.00	0.70	0.00

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
170.20	171.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, slightly epidotitic, speckled with sericite and sausserite, glomeroporphyritic texture, interstitial blue qtz eyes, approx 1 to 2% disseminated py, shp FW ct @ 60 DTCA	KL032648	170.20	171.00	0.80	0.00
171.00	186.80	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, irregular FW ct @ 70 DTCA, scattered dark grey carbonaceous 'grey zones' no wide than 20 cm throughout @ 60 to 70 DTCA	KL032649	171.00	172.00	1.00	0.01
			KL032651	179.00	180.00	1.00	0.01
			KL032652	180.00	181.00	1.00	0.01
			KL032653	181.00	182.00	1.00	0.01
			KL032654	182.00	183.00	1.00	0.00
186.80	190.90	GRD_POT, Granodiorite - Potassic (Melkior) greyish pinkish hue, predominantly potassic, slightly epidotitic, glomeroporphyritic texture, interstitial blue qtz eyes, from 189.36 to 189.48 pinkish white qtz-calcite vein perpendicular to CA with tr sul, gradational FW ct perpendicular to CA	KL032655	189.00	190.00	1.00	0.01
			KL032656	190.00	190.90	0.90	0.01
190.90	195.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, irregular FW ct @ 70 DTCA					
195.00	197.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified, potassic and epidotitic, localized streaks of hematite from 196.9 to 197 meters, glomeroporphyritic texture, interstitial blue qtz eyes, approx 1 to 2% disseminated py, moderately fractured, gradational FW ct @ 80 DTCA	KL032657	196.00	197.00	1.00	0.00
197.00	219.00	GRD_EP, Granodiorite - Epidotized (Melkior) light pale green, epidotitic, slightly potassic, speckled with sausseritization, glomeroporphyritic texture, interstitial blue qtz eyes, tr sul, irregular FW ct @ 70 DTCA, scattered dark grey carbonaceous 'grey zones' no wide than 20 cm throughout @ 40 to 60 DTCA, gradational FW ct @ 70 DTCA	KL032658	197.00	197.80	0.80	0.00
			KL032659	197.80	199.00	1.20	0.01
			KL032661	207.00	208.00	1.00	0.01
			KL032662	208.00	209.00	1.00	0.00
			KL032663	215.00	216.00	1.00	0.00
			KL032664	216.00	217.00	1.00	0.00
			KL032665	217.00	218.00	1.00	0.01
			KL032666	218.00	219.00	1.00	0.01
219.00	225.40	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified, potassic and epidotitic, glomeroporphyritic texture, scattered dark grey carbonaceous bands no wider than 10 cm @ 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA	KL032667	219.00	220.00	1.00	0.01
			KL032668	220.00	221.00	1.00	0.14
			KL032669	223.00	224.00	1.00	0.01
			KL032671	224.00	224.50	0.50	0.01
			KL032672	224.50	225.40	0.90	0.01
225.40	256.40	GRD_POT, Granodiorite - Potassic (Melkior) dark orange, predominantly potassic, abundant interstitial hornblende notably from 237 to 242 meters, strongly pitted from 245 to 250 meters, glomeroporphyritic texture, mottled with white calcite, tr sul, fractured FW ct @ 40 DTCA	KL032673	225.40	226.00	0.60	0.01
			KL032674	237.00	238.00	1.00	0.01
			KL032675	238.00	239.00	1.00	0.01
			KL032676	239.00	240.00	1.00	0.02

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
256.40	263.00	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified and epidotitic, glomeroporphyritic texture, from 258.17 to 258.42 24 cm white qv perpendicular to CA with patches of chlorite and tr sul, approx 1 to 2% disseminated py throughout unit, gradational FW ct @ 70 DTCA	KL032677	257.00	258.00	1.00	0.00
			KL032678	258.00	258.50	0.50	0.01
			KL032679	258.50	259.00	0.50	0.00
			KL032681	259.00	260.00	1.00	0.00
			KL032682	260.00	261.00	1.00	0.01
263.00	265.10	GRD_POT, Granodiorite - Potassic (Melkior) dark orange, predominantly potassic, chloritic, slightly carbonaceous and epidotitic, abundant interstitial hornblende, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA					
265.10	271.70	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified and epidotitic, locally slightly potassic and hematitic, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct @ 70 DTCA					
271.70	276.30	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, slightly epidotitic, abundant interstitial hornblende, unit becomes increasingly hematitic proximal to FW ct, glomeroporphyritic texture, gradational FW ct @ 70 DTCA, approx 1 to 2% disseminated py	KL032683	271.70	272.50	0.80	0.00
			KL032684	272.50	273.00	0.50	0.01
			KL032685	273.00	274.00	1.00	0.00
			KL032686	274.00	275.00	1.00	0.01
276.30	279.20	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, speckled with white calcite, glomeroporphyritic texture, tr sul, gradational FW ct @ 40 DTCA					
279.20	282.30	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white, chloritic, carbonaceous, slightly silicified and hematitic, glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL032687	279.20	280.00	0.80	0.00
			KL032688	280.00	281.00	1.00	0.01
			KL032689	281.00	282.30	1.30	0.01
282.30	287.10	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, speckled with white calcite, glomeroporphyritic texture, tr sul, gradational FW ct @ 40 DTCA					
287.10	293.10	GRD_SIL, Granodiorite - Silicified (Melkior) dark grey to creamy white with pinkish red sections, chloritic, carbonaceous, silicified, hematitic and weakly potassic glomeroporphyritic texture, approx 1 to 2% disseminated py, gradational FW ct perpendicular to CA	KL032691	292.00	293.10	1.10	0.00
293.10	311.10	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, speckled with white calcite, slightly silicified, chloritic sections throughout unit, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA	KL032692	293.10	294.00	0.90	0.00
311.10	315.60	GRD_POT, Granodiorite - Potassic (Melkior) pinkish red, slightly more potassic, moderately hematitic, locally chloritic and carbonaceous, mottled with white calcite, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA	KL032693	311.10	312.00	0.90	0.01
			KL032694	312.00	313.00	1.00	0.01
			KL032695	313.00	314.00	1.00	0.02
			KL032696	314.00	315.00	1.00	0.00
315.60	322.20	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, speckled with white calcite, slightly silicified, chloritic sections throughout unit, glomeroporphyritic texture, tr sul, gradational FW ct perpendicular to CA					

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
322.20	330.00	GRD_CB, Granodiorite - Carbonatized (Melkior) dark grey, chloritic, carbonaceous, abundant interstitial hornblende, glomeroporphyritic texture, gradational FW ct @ 70 DTCA, approx 1 to 2% disseminated py	KL032697	322.20	323.00	0.80	0.00
			KL032698	323.00	324.00	1.00	0.00
			KL032699	324.00	325.00	1.00	0.00
			KL032701	325.00	325.50	0.50	0.00
			KL032702	325.50	326.00	0.50	0.00
			KL032703	326.00	327.00	1.00	0.00
			KL032704	327.00	328.00	1.00	0.00
			KL032705	328.00	329.00	1.00	0.00
		KL032706	329.00	330.00	1.00	0.00	
330.00	348.20	GRD_HEM, Granodiorite - Hematized (Melkior) burgandy red, medium grained, hematitic, speckled with white calcite, slightly silicified, chloritic sections throughout unit, glomeroporphyritic texture, tr sul, irregular FW ct @ 70 DTCA	KL032707	330.00	331.00	1.00	0.00
			KL032708	347.00	348.20	1.20	0.00

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final	
348.20	560.80	<p>BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, locally carbonaceous, massive, fine grained, localized amygdaloidal and variolitic sections with pervasive sericitic and siliceous alteration, notably from 358 to 367 meters, weakly foliated with foliation @ 50 DTCA, scattered hematitic granodioritic xenoliths notably from 349.6 to 350.4 meters with ct' @ 70 DTCA, from 388.4 to 388.7 burgandy red hematitic aphanitic dike with shp HW and FW ct' @ 40 and 50 DTCA respectively, unit speckled with calcitic rhombs, from 443 to 449 approx 3 to 4% disseminated and scattered subhedral to euhedral py xl', from 449 to 452.5 somewhat fractured sections with fractures @ 30 to 40 DTCA, from 458 to 464 approx 3 to 4% disseminated and scattered subhedral to euhedral py, from 468 to 479 approx 3 to 4% disseminated and scattered subhedral to euhedral py xl', from 476 to 478 carbonaceous interval with scattered carbonate vnt' notably @ 476.1 and 476.5 @ 30 DTCA, approx 2 to 3% disseminated py, from 496 to 538 abundant qtz-carbonate infilled tension gashes with 2 dominant vein orientations from 60 to 70 DTCA and 20 to 30 DTCA, tr sul, from 538 to 548 approx 3 to 4% disseminated and scattered subhedral to euhedral py, from 542 to 543 approx 6 to 7% patchy cpy, from 545 to 548 approx 3 to 4% patchy cpy and 3 to 4% patchy specular hematite, irregular FW ct perpendicular to CA</p>	KL032709	348.20	349.00	0.80	0.00	
				KL032711	349.00	350.00	1.00	0.00
				KL032712	350.00	351.00	1.00	0.11
				KL032713	363.00	364.00	1.00	0.00
				KL032714	364.00	365.00	1.00	0.02
				KL032715	365.00	366.00	1.00	0.07
				KL032716	366.00	367.00	1.00	0.01
				KL032717	406.00	407.00	1.00	0.01
				KL032718	407.00	408.00	1.00	0.00
				KL032719	408.00	409.00	1.00	0.00
				KL032721	443.00	444.00	1.00	0.00
				KL032722	444.00	445.00	1.00	0.00
				KL032723	445.00	446.00	1.00	0.00
				KL032724	446.00	447.00	1.00	0.01
				KL032725	447.00	448.00	1.00	0.00
				KL032726	448.00	449.00	1.00	0.00
				KL032727	458.00	459.00	1.00	0.01
				KL032728	459.00	460.00	1.00	0.00
				KL032729	460.00	461.00	1.00	0.00
				KL032731	461.00	462.00	1.00	0.00
				KL032732	462.00	463.00	1.00	0.00
				KL032733	463.00	464.00	1.00	0.01
				KL032734	468.00	469.00	1.00	0.01
				KL032735	469.00	470.00	1.00	0.00
				KL032736	470.00	471.00	1.00	0.01
				KL032737	471.00	472.00	1.00	0.01
				KL032738	472.00	473.00	1.00	0.01
				KL032739	473.00	474.00	1.00	0.00
				KL032741	474.00	475.00	1.00	0.00
				KL032742	475.00	476.00	1.00	0.01
				KL032743	476.00	477.00	1.00	0.01
				KL032744	477.00	478.00	1.00	0.01
				KL032745	478.00	479.00	1.00	0.01
				KL032746	484.00	485.00	1.00	0.00
				KL032747	485.00	486.00	1.00	0.01
				KL032748	486.00	487.00	1.00	0.01
				KL032749	487.00	488.00	1.00	0.01
				KL032751	488.00	489.00	1.00	0.00
				KL032752	512.00	513.00	1.00	0.00
				KL032753	513.00	514.00	1.00	0.00
				KL032754	514.00	515.00	1.00	0.00
				KL032755	527.00	528.00	1.00	0.00
				KL032756	528.00	529.00	1.00	0.01

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
			KL032757	529.00	530.00	1.00	0.00
			KL032758	530.00	531.00	1.00	0.01
			KL032759	531.00	532.00	1.00	0.00
			KL032761	538.00	539.00	1.00	0.00
			KL032762	539.00	540.00	1.00	0.01
			KL032763	540.00	541.00	1.00	0.01
			KL032764	541.00	542.00	1.00	0.00
			KL032765	542.00	542.50	0.50	0.01
			KL032766	542.50	543.00	0.50	0.01
			KL032767	543.00	544.00	1.00	0.00
			KL032768	544.00	545.00	1.00	0.01
			KL032769	545.00	545.50	0.50	0.01
			KL032771	545.50	546.00	0.50	0.02
			KL032772	546.00	546.50	0.50	0.01
			KL032773	546.50	547.00	0.50	0.01
			KL032774	547.00	548.00	1.00	0.01
			KL032775	548.00	549.00	1.00	0.00
			KL032776	549.00	550.00	1.00	0.00
			KL032777	550.00	551.00	1.00	0.00
			KL032778	551.00	552.00	1.00	0.00
560.80	569.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, siliceous and sericitic, moderately foliated, slightly sheared with foliation @ 40 DTCA, localized brecciated hyaloclastite with relic pillow selvages and localized varioles stretched parallel to foliation, scattered qtz-carb infilled tension gashes @ 40 to 50 DTCA, approx 2 to 3% disseminated py, from 567.3 to 567.6 pinkish white qtz calcite vn subparallel to CA with 1 to 2% specular hematite localized along vn ct', shp FW ct @ 40 DTCA	KL032779	560.80	562.00	1.20	0.00
			KL032781	562.00	563.00	1.00	0.00
			KL032782	563.00	564.00	1.00	0.03
			KL032783	564.00	565.00	1.00	0.00
			KL032784	565.00	566.00	1.00	0.00
			KL032785	566.00	567.00	1.00	0.00
			KL032786	567.00	568.00	1.00	0.02
			KL032787	568.00	569.00	1.00	0.01

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
569.00	595.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, fine grained, moderately foliated, slightly sheared with foliation @ 30 to 40 DTCA, scattered qtz-carbonate vnt' @ 20 to 30 DTCA, from 576.3 to 576.4 3 cm carbonate vnt parallel to CA with 8 to 10% clusters of subhedral py, from 569 to 582 meters approx 4 to 5% clusters of subhedral to euhedral py, strongest concentration of sulphides between 575 to 579 meters, abundant qtz-calcite sts and vnt' @ 30 to 40 DTCA, irregular FW ct perpendicular to CA	KL032788	569.00	570.00	1.00	0.00
			KL032789	570.00	571.00	1.00	0.03
			KL032791	571.00	572.00	1.00	0.02
			KL032792	572.00	573.00	1.00	0.02
			KL032793	573.00	574.00	1.00	0.04
			KL032794	574.00	575.00	1.00	0.02
			KL032795	575.00	575.50	0.50	0.00
			KL032796	575.50	576.00	0.50	0.19
			KL032797	576.00	577.00	1.00	0.01
			KL032798	577.00	578.00	1.00	0.03
			KL032799	578.00	579.00	1.00	0.12
			KL032801	579.00	580.00	1.00	0.48
			KL032802	580.00	581.00	1.00	0.12
			KL032803	581.00	582.00	1.00	0.03
			KL032804	591.00	592.00	1.00	0.00
			KL032805	592.00	593.00	1.00	0.10
			KL032806	593.00	594.00	1.00	0.03
			KL032807	594.00	595.00	1.00	0.00
595.00	600.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, siliceous and sericitic, moderately foliated, slightly sheared with foliation subparallel to CA, scattered qtz-calcite vnt' up to 3 cm in width @ 40 to 60 DTCA, @ 597.1 1 cm clusters of approx 8 to 10% subhedral py @ 20 DTCA, irregular FW ct perpendicular to CA	KL032808	595.00	596.00	1.00	0.03
			KL032809	596.00	597.00	1.00	0.03
			KL032811	597.00	597.50	0.50	0.04
			KL032812	597.50	598.00	0.50	0.00
			KL032813	598.00	599.00	1.00	0.00
			KL032814	599.00	600.00	1.00	0.01
600.00	610.20	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, fine grained, moderately foliated, slightly sheared with foliation @ 20 to 30 DTCA, scattered qtz-carbonate vnt' @ 50 to 60 DTCA, approx 2 to 3% disseminated py throughout unit, strongest concentration of sulphides from 604 to 605 meters with 3 to 4% scattered pyritic smears aligned parallel to foliation, irregular FW ct perpendicular to CA, @ 609.25 approx 10 to 12% specular hematite and 2 to 3% disseminated py localized along fractured joint @ 40 DTCA	KL032815	600.00	601.00	1.00	0.02
			KL032816	604.00	605.00	1.00	0.03
			KL032817	605.00	606.00	1.00	0.00
			KL032818	606.00	607.00	1.00	0.01
			KL032819	607.00	608.00	1.00	0.00
			KL032821	608.00	609.00	1.00	0.02
			KL032822	609.00	610.20	1.20	0.00
610.20	624.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, siliceous and sericitic, moderately foliated, slightly sheared with foliation subparallel to CA, from 621.2 to 621.5 brecciated carbonaceous and slightly potassic and sericitic alteration zone with approx 3 to 4% disseminated specularite and 2 to 3% disseminated py, from 622.6 to 623 potassic and carbonaceous zone comprised of ripped up feldspathic porphyritic clasts stretched parallel to foliation subparallel to CA, approx 2 to 3% disseminated py, from 623.6 to 624 carbonaceous and slightly feldspathic alteration zone comprised of stacked qtz-carb vnt' parallel to CA and approx 4 to 5% clusters of subhedral py and disseminated py, shp FW ct parallel to CA	KL032823	620.00	621.00	1.00	0.01
			KL032824	621.00	622.00	1.00	0.03
			KL032825	622.00	623.00	1.00	0.04
			KL032826	623.00	623.50	0.50	0.55
			KL032827	623.50	624.00	0.50	0.46

DETAILED LOG

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
624.00	638.70	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, fine grained, moderately foliated, slightly sheared with foliation @ 20 to 30 DTCA, scattered qtz-carbonate vnt' @ 50 to 60 DTCA, approx 3 to 4% disseminated py throughout unit, strongest concentrations of sulphides from 628 to 633 comprised of approx 5 to 6% streaks and smears of clusters of subhedral and disseminated py aligned parallel to foliation @ 20 DTCA	KL032828	624.00	625.00	1.00	0.01
			KL032829	625.00	626.00	1.00	0.00
			KL032831	626.00	627.00	1.00	0.02
			KL032832	627.00	628.00	1.00	0.08
			KL032833	628.00	629.00	1.00	0.08
			KL032834	629.00	629.50	0.50	0.53
			KL032835	629.50	630.00	0.50	0.02
			KL032836	630.00	630.50	0.50	0.05
			KL032837	630.50	631.00	0.50	0.13
			KL032838	631.00	631.50	0.50	0.04
		KL032839	631.50	632.00	0.50	0.00	
		KL032841	632.00	633.00	1.00	0.00	
638.70	670.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, siliceous and sericitic, moderately foliated, slightly sheared with foliation @ 20 to 30 DTCA, localized epidotitic patches, localized brecciated hyaloclastite, from 638.7 to 639 pinkish potassic and feldspathic FP dike with irregular ct' perpendicular to CA, tr sul, from 643 to 643.1 10 cm qtz-albite vn @ 30 DTCA with approx 1 to 2% disseminated py locd along vn ct', from 643.1 to 644.8 moderately foliated lapilli tuffaceous texture with foliation @ 20 DTCA, tr sul, @ 658.8 1 cm band of clusters of approx 7 to 8% subhedral py aligned @ 20 DTCA, from 662.3 to 662.6 30 cm white qtz-ankerite vn @ 50 DTCA with tr sul, from 667 to 669 approx 4 to 5% clusters of subhedral to euhedral py, gradational FW ct @ 70 DTCA	KL032842	639.00	640.00	1.00	0.20
			KL032843	640.00	641.00	1.00	0.25
			KL032844	641.00	642.00	1.00	0.02
			KL032845	642.00	643.00	1.00	0.03
			KL032846	643.00	644.00	1.00	0.02
			KL032847	644.00	645.00	1.00	0.01
			KL032848	645.00	646.00	1.00	0.02
			KL032849	646.00	647.00	1.00	0.01
			KL032851	651.00	652.00	1.00	0.00
			KL032852	652.00	653.00	1.00	0.00
			KL032853	653.00	654.00	1.00	0.00
			KL032854	654.00	655.00	1.00	0.00
			KL032855	655.00	656.00	1.00	0.01
			KL032856	656.00	657.00	1.00	0.01
			KL032857	661.00	662.00	1.00	0.10
			KL032858	662.00	663.00	1.00	0.00
			KL032859	663.00	664.00	1.00	0.03
			KL032861	664.00	665.00	1.00	0.00
			KL032862	665.00	666.00	1.00	0.00
			KL032863	666.00	667.00	1.00	0.00
		KL032864	667.00	668.00	1.00	0.01	
		KL032865	668.00	669.00	1.00	0.22	
		KL032866	669.00	670.00	1.00	0.09	

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
670.00	690.70	<p>BaM, Melkior - Basalt; fine grained; massive</p> <p>dark green, chloritic, carbonaceous, massive, fine grained, moderately foliated, slightly sheared with foliation @ 20 to 30 DTCA, scattered qtz-carbonate vnt' @ 20 to 30 DTCA, from 673 to 684 massive, homogeneous slightly more medium grained gabbroic texture, @ 674.5 10 cm grey carbonate-qtz vn @ 30 DTCA with banded clusters of approx 12 to 15% subhedral py aligned parallel to vn orientation @ 30 DTCA, from 677.9 to 678.2 approx 12 to 15% clusters of subhedral py oriented @ 25 DTCA and occurring along carbonate vnt', from 685.6 to 686.1 carbonate alteration zone with 8 cm grey qtz-carbonate vn @ 30 DTCA and hosting approx 12 to 15% clusters of subhedral py @ 30 DTCA, shp FW ct @ 50 DTCA</p>	KL032867	670.00	671.00	1.00	0.03
			KL032868	671.00	672.00	1.00	0.02
			KL032869	672.00	673.00	1.00	0.08
			KL032871	673.00	674.00	1.00	0.02
			KL032872	674.00	674.50	0.50	0.00
			KL032873	674.50	675.00	0.50	0.08
			KL032874	675.00	676.00	1.00	0.01
			KL032875	676.00	677.00	1.00	0.01
			KL032876	677.00	677.50	0.50	0.03
			KL032877	677.50	678.00	0.50	0.29
			KL032878	678.00	678.50	0.50	0.07
			KL032879	678.50	679.00	0.50	0.02
			KL032881	679.00	680.00	1.00	0.01
			KL032882	680.00	681.00	1.00	0.05
			KL032883	681.00	682.00	1.00	0.00
			KL032884	682.00	683.00	1.00	0.00
			KL032885	683.00	684.00	1.00	0.02
			KL032886	684.00	685.00	1.00	0.01
			KL032887	685.00	685.50	0.50	0.00
			KL032888	685.50	686.00	0.50	0.06
			KL032889	686.00	686.50	0.50	0.02
			KL032891	686.50	687.00	0.50	0.00
			KL032892	687.00	688.00	1.00	0.00
			KL032893	688.00	689.00	1.00	0.00
			KL032894	689.00	690.00	1.00	0.01
			KL032895	690.00	691.00	1.00	0.00
690.70	698.00	<p>VUO, ULTRAMAFIC VOLCANIC</p> <p>blue grey, carbonaceous, chloritic, slightly talcose, moderately foliated slightly sheared with foliation @ 30 to 40 DTCA, abundant carbonate and qtz-carb sts and vnt' aligned parallel to foliation @ 30 to 40 DTCA, @ 691.8 localized cluster of approx 3 to 4% subhedral and euhedral py xl', gradational FW ct @ 70 DTCA</p>	KL032896	691.00	692.00	1.00	0.01
698.00	706.90	<p>FV, Melkior - Felsic Volcanics</p> <p>light green, siliceous, sericitic, chloritic, moderately foliated, slightly sheared with foliation @ 40 DTCA, unit speckled with chloritic flakes, scattered qtz-carbonate sts and vnt' @ 50 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 40 DTCA</p>					
706.90	714.80	<p>BaFBx, Melkior - Basalt Flow Breccia</p> <p>dark green, chloritic, locally carbonaceous, siliceous and sericitic, moderately foliated, slightly sheared with foliation @ 40 DTCA, from 712 to 714 unit mottled with pink carbonate with approx 3 to 4% disseminated py, scattered grey qtz vnt' up to 3 cm in width parallel to foliation, gradational FW ct perpendicular to CA</p>	KL032897	706.90	708.00	1.10	0.00
			KL032898	708.00	709.00	1.00	0.00
			KL032899	709.00	710.00	1.00	0.00
			KL032901	710.00	711.00	1.00	0.00
			KL032902	711.00	712.00	1.00	0.00
			KL032903	712.00	713.00	1.00	0.00
			KL032904	713.00	714.00	1.00	0.02
			KL032905	714.00	714.80	0.80	0.00

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Assay Data					
From	To	Lithology	Sample Number	From	To	Length	Au_gpt_Final
714.80	716.10	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, chloritic, moderately foliated, slightly sheared with foliation @ 40 DTCA, unit speckled with chloritic flakes, scattered qtz-carbonate sts and vnt' @ 50 to 70 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA					
716.10	718.50	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, sericitic and siliceous, moderately foliated with foliation @ 50 DTCA, scattered qtz-carb vnt' and sts @ 50 to 70 DTCA, approx 1 to 2% disseminated py, shp FW marked by 2 cm qtz-carb vn @ 70 DTCA					
718.50	722.00	FV, Melkior - Felsic Volcanics light green, siliceous, sericitic, chloritic, moderately foliated, slightly sheared with foliation @ 40 DTCA, unit speckled with chloritic flakes, scattered qtz-carbonate sts and vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 50 DTCA					
722.00	727.20	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, locally carbonaceous, sericitic and siliceous, moderately foliated with foliation @ 50 DTCA, scattered qtz-carb vnt' and sts @ 50 to 70 DTCA, approx 1 to 2% disseminated py, gradational FW ct @ 50 DTCA	KL032906	722.00	723.00	1.00	0.00
			KL032907	723.00	724.00	1.00	0.00
			KL032908	724.00	725.00	1.00	0.01
			KL032909	725.00	726.00	1.00	0.01
			KL032911	726.00	727.20	1.20	0.01
727.20	730.80	FV, Melkior - Felsic Volcanics light grey-green, siliceous, wispy, patchy sericitic alteration, chloritic, moderately foliated, slightly sheared with foliation @ 40 DTCA, unit speckled with chloritic flakes, scattered qtz-carbonate sts and vnt' @ 40 to 50 DTCA, approx 1 to 2% disseminated py, shp FW ct @ 70 DTCA					
730.80	740.00	BaFBx, Melkior - Basalt Flow Breccia dark green, chloritic, carbonaceous, moderately foliated to slightly sheared with foliation @ 40 DTCA, from 735 to 737 approx 6 to 7% scattered coarse subhedral to euhedral py xl', from 737 to 739 moderately sheared and carbonaceous with approx 1 to 2% disseminated py, from 739.15 to 739.38 23 cm qtz-chl vn with chloritic xenoliths and approx 20 to 25% clusters of subhedral py oriented @ 50 DTCA, shp HW and FW ct' @ 80 and 40 DTCA respectively, from 739.38 to 744 approx 3 to 4% scattered subhedral py xl'	KL032912	733.00	734.00	1.00	0.01
			KL032913	734.00	735.00	1.00	0.05
			KL032914	735.00	736.00	1.00	1.11
			KL032915	736.00	737.00	1.00	1.15
			KL032916	737.00	738.00	1.00	0.02
			KL032917	738.00	738.50	0.50	0.12
			KL032918	738.50	739.00	0.50	0.02
			KL032919	739.00	739.50	0.50	1.17
			KL032921	739.50	740.00	0.50	0.00

Hole Number: **CAR-22-32**

Units: METRIC

Detailed Lithology		Lithology	Assay Data				
From	To		Sample Number	From	To	Length	Au_gpt_Final
740.00	756.00	BaM, Melkior - Basalt; fine grained; massive dark green, chloritic, carbonaceous, massive, fine grained, homogeneous, scattered qtz-carb vnt' and sts oriented @ 40 to 60 DTCA, from 747 to 749 approx 4 to 5% scattered subhedral and euhedral py xl', EOH @ 756 meters	KL032922	740.00	741.00	1.00	0.00
			KL032923	741.00	742.00	1.00	0.00
			KL032924	742.00	743.00	1.00	0.00
			KL032925	743.00	744.00	1.00	0.00
			KL032926	744.00	745.00	1.00	0.01
			KL032927	745.00	746.00	1.00	0.00
			KL032928	746.00	747.00	1.00	0.01
			KL032929	747.00	748.00	1.00	0.10
			KL032931	748.00	749.00	1.00	0.02
			KL032932	749.00	750.00	1.00	0.28
			KL032933	750.00	751.00	1.00	0.21
			KL032934	751.00	752.00	1.00	0.04
			KL032935	752.00	753.00	1.00	0.06

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032576	9.00	10.00	0.0025
KL032577	10.00	11.00	0.0025
KL032578	11.00	12.00	0.0025
KL032579	12.00	13.00	0.0025
KL032581	13.00	14.00	0.0025
KL032582	14.00	15.00	0.0025
KL032583	19.00	20.00	0.0025
KL032584	20.00	20.60	0.0025
KL032585	20.60	21.50	0.0025
KL032586	21.50	22.00	0.0025
KL032587	22.00	22.50	0.0025
KL032588	22.50	23.00	0.0200
KL032589	23.00	24.00	0.0025
KL032591	26.20	27.00	0.0025
KL032592	27.00	28.00	0.0025
KL032593	28.00	29.00	0.0025
KL032594	29.00	30.00	0.0025
KL032595	45.00	46.00	0.0025
KL032596	46.00	47.00	0.0025
KL032597	47.00	48.00	0.0025
KL032598	48.00	49.00	0.0025
KL032599	56.00	57.00	0.0025
KL032601	57.00	57.50	0.0025
KL032602	57.50	58.00	0.0025

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type ASSAY			
KL032603	58.00	58.50	0.1460
KL032604	58.50	59.00	0.0025
KL032605	59.00	60.00	0.0025
KL032606	60.00	61.00	0.0025
KL032607	61.00	61.50	0.0025
KL032608	61.50	62.00	0.0100
KL032609	62.00	62.50	0.0210
KL032611	62.50	63.00	0.0025
KL032612	72.00	73.00	0.0025
KL032613	73.00	74.00	0.0025
KL032614	74.00	75.00	0.0025
KL032615	75.00	76.00	0.0025
KL032616	76.00	77.00	0.0025
KL032617	77.00	78.00	0.0025
KL032618	78.00	79.00	0.0025
KL032619	79.00	80.00	0.0025
KL032621	80.00	81.00	0.0025
KL032622	91.00	92.00	0.0025
KL032623	92.00	92.50	0.0025
KL032624	92.50	93.30	0.0025
KL032625	93.30	93.80	0.1180
KL032626	93.80	94.30	0.0800
KL032627	94.30	94.80	0.0220
KL032628	94.80	96.00	0.0025
KL032629	107.00	107.60	0.0070
KL032631	107.60	108.10	0.0710
KL032632	108.10	108.90	0.0220
KL032633	108.90	110.00	0.0080
KL032634	120.40	121.00	0.0025
KL032635	121.00	122.00	0.0130
KL032636	122.00	123.00	0.0025
KL032637	123.00	124.00	0.0025
KL032638	148.20	149.00	0.0025
KL032639	149.00	150.20	0.0060
KL032641	150.20	151.00	0.0025
KL032642	151.00	152.00	0.2060
KL032643	152.00	153.00	0.0050
KL032644	158.00	159.00	0.0025
KL032645	159.00	159.70	0.0060

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032646	159.70	160.30	0.0025
KL032647	160.30	161.00	0.0025
KL032648	170.20	171.00	0.0025
KL032649	171.00	172.00	0.0080
KL032651	179.00	180.00	0.0050
KL032652	180.00	181.00	0.0050
KL032653	181.00	182.00	0.0060
KL032654	182.00	183.00	0.0025
KL032655	189.00	190.00	0.0050
KL032656	190.00	190.90	0.0050
KL032657	196.00	197.00	0.0025
KL032658	197.00	197.80	0.0025
KL032659	197.80	199.00	0.0050
KL032661	207.00	208.00	0.0070
KL032662	208.00	209.00	0.0025
KL032663	215.00	216.00	0.0025
KL032664	216.00	217.00	0.0025
KL032665	217.00	218.00	0.0060
KL032666	218.00	219.00	0.0060
KL032667	219.00	220.00	0.0090
KL032668	220.00	221.00	0.1410
KL032669	223.00	224.00	0.0110
KL032671	224.00	224.50	0.0070
KL032672	224.50	225.40	0.0050
KL032673	225.40	226.00	0.0070
KL032674	237.00	238.00	0.0090
KL032675	238.00	239.00	0.0060
KL032676	239.00	240.00	0.0240
KL032677	257.00	258.00	0.0025
KL032678	258.00	258.50	0.0060
KL032679	258.50	259.00	0.0025
KL032681	259.00	260.00	0.0025
KL032682	260.00	261.00	0.0060
KL032683	271.70	272.50	0.0025
KL032684	272.50	273.00	0.0050
KL032685	273.00	274.00	0.0025
KL032686	274.00	275.00	0.0050
KL032687	279.20	280.00	0.0025
KL032688	280.00	281.00	0.0060

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032689	281.00	282.30	0.0050
KL032691	292.00	293.10	0.0025
KL032692	293.10	294.00	0.0025
KL032693	311.10	312.00	0.0050
KL032694	312.00	313.00	0.0120
KL032695	313.00	314.00	0.0210
KL032696	314.00	315.00	0.0025
KL032697	322.20	323.00	0.0025
KL032698	323.00	324.00	0.0025
KL032699	324.00	325.00	0.0025
KL032701	325.00	325.50	0.0025
KL032702	325.50	326.00	0.0025
KL032703	326.00	327.00	0.0025
KL032704	327.00	328.00	0.0025
KL032705	328.00	329.00	0.0025
KL032706	329.00	330.00	0.0025
KL032707	330.00	331.00	0.0025
KL032708	347.00	348.20	0.0025
KL032709	348.20	349.00	0.0025
KL032711	349.00	350.00	0.0025
KL032712	350.00	351.00	0.1070
KL032713	363.00	364.00	0.0025
KL032714	364.00	365.00	0.0160
KL032715	365.00	366.00	0.0720
KL032716	366.00	367.00	0.0070
KL032717	406.00	407.00	0.0080
KL032718	407.00	408.00	0.0025
KL032719	408.00	409.00	0.0025
KL032721	443.00	444.00	0.0025
KL032722	444.00	445.00	0.0025
KL032723	445.00	446.00	0.0025
KL032724	446.00	447.00	0.0050
KL032725	447.00	448.00	0.0025
KL032726	448.00	449.00	0.0025
KL032727	458.00	459.00	0.0060
KL032728	459.00	460.00	0.0025
KL032729	460.00	461.00	0.0025
KL032731	461.00	462.00	0.0025
KL032732	462.00	463.00	0.0025

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032733	463.00	464.00	0.0050
KL032734	468.00	469.00	0.0050
KL032735	469.00	470.00	0.0025
KL032736	470.00	471.00	0.0050
KL032737	471.00	472.00	0.0050
KL032738	472.00	473.00	0.0060
KL032739	473.00	474.00	0.0025
KL032741	474.00	475.00	0.0025
KL032742	475.00	476.00	0.0060
KL032743	476.00	477.00	0.0090
KL032744	477.00	478.00	0.0050
KL032745	478.00	479.00	0.0050
KL032746	484.00	485.00	0.0025
KL032747	485.00	486.00	0.0060
KL032748	486.00	487.00	0.0070
KL032749	487.00	488.00	0.0060
KL032751	488.00	489.00	0.0025
KL032752	512.00	513.00	0.0025
KL032753	513.00	514.00	0.0025
KL032754	514.00	515.00	0.0025
KL032755	527.00	528.00	0.0025
KL032756	528.00	529.00	0.0060
KL032757	529.00	530.00	0.0025
KL032758	530.00	531.00	0.0050
KL032759	531.00	532.00	0.0025
KL032761	538.00	539.00	0.0025
KL032762	539.00	540.00	0.0090
KL032763	540.00	541.00	0.0060
KL032764	541.00	542.00	0.0025
KL032765	542.00	542.50	0.0060
KL032766	542.50	543.00	0.0120
KL032767	543.00	544.00	0.0025
KL032768	544.00	545.00	0.0100
KL032769	545.00	545.50	0.0050
KL032771	545.50	546.00	0.0150
KL032772	546.00	546.50	0.0050
KL032773	546.50	547.00	0.0060
KL032774	547.00	548.00	0.0080
KL032775	548.00	549.00	0.0025

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032776	549.00	550.00	0.0025
KL032777	550.00	551.00	0.0025
KL032778	551.00	552.00	0.0025
KL032779	560.80	562.00	0.0025
KL032781	562.00	563.00	0.0025
KL032782	563.00	564.00	0.0270
KL032783	564.00	565.00	0.0025
KL032784	565.00	566.00	0.0025
KL032785	566.00	567.00	0.0025
KL032786	567.00	568.00	0.0230
KL032787	568.00	569.00	0.0060
KL032788	569.00	570.00	0.0025
KL032789	570.00	571.00	0.0260
KL032791	571.00	572.00	0.0240
KL032792	572.00	573.00	0.0230
KL032793	573.00	574.00	0.0380
KL032794	574.00	575.00	0.0230
KL032795	575.00	575.50	0.0025
KL032796	575.50	576.00	0.1860
KL032797	576.00	577.00	0.0050
KL032798	577.00	578.00	0.0260
KL032799	578.00	579.00	0.1170
KL032801	579.00	580.00	0.4820
KL032802	580.00	581.00	0.1160
KL032803	581.00	582.00	0.0250
KL032804	591.00	592.00	0.0025
KL032805	592.00	593.00	0.0950
KL032806	593.00	594.00	0.0310
KL032807	594.00	595.00	0.0025
KL032808	595.00	596.00	0.0290
KL032809	596.00	597.00	0.0280
KL032811	597.00	597.50	0.0430
KL032812	597.50	598.00	0.0025
KL032813	598.00	599.00	0.0025
KL032814	599.00	600.00	0.0060
KL032815	600.00	601.00	0.0240
KL032816	604.00	605.00	0.0310
KL032817	605.00	606.00	0.0025
KL032818	606.00	607.00	0.0100

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032819	607.00	608.00	0.0025
KL032821	608.00	609.00	0.0210
KL032822	609.00	610.20	0.0025
KL032823	620.00	621.00	0.0140
KL032824	621.00	622.00	0.0280
KL032825	622.00	623.00	0.0370
KL032826	623.00	623.50	0.5530
KL032827	623.50	624.00	0.4550
KL032828	624.00	625.00	0.0140
KL032829	625.00	626.00	0.0025
KL032831	626.00	627.00	0.0160
KL032832	627.00	628.00	0.0830
KL032833	628.00	629.00	0.0770
KL032834	629.00	629.50	0.5320
KL032835	629.50	630.00	0.0170
KL032836	630.00	630.50	0.0520
KL032837	630.50	631.00	0.1260
KL032838	631.00	631.50	0.0410
KL032839	631.50	632.00	0.0025
KL032841	632.00	633.00	0.0025
KL032842	639.00	640.00	0.2000
KL032843	640.00	641.00	0.2490
KL032844	641.00	642.00	0.0190
KL032845	642.00	643.00	0.0340
KL032846	643.00	644.00	0.0200
KL032847	644.00	645.00	0.0120
KL032848	645.00	646.00	0.0200
KL032849	646.00	647.00	0.0050
KL032851	651.00	652.00	0.0025
KL032852	652.00	653.00	0.0025
KL032853	653.00	654.00	0.0025
KL032854	654.00	655.00	0.0025
KL032855	655.00	656.00	0.0130
KL032856	656.00	657.00	0.0120
KL032857	661.00	662.00	0.1040
KL032858	662.00	663.00	0.0025
KL032859	663.00	664.00	0.0270
KL032861	664.00	665.00	0.0025
KL032862	665.00	666.00	0.0025

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032863	666.00	667.00	0.0025
KL032864	667.00	668.00	0.0090
KL032865	668.00	669.00	0.2200
KL032866	669.00	670.00	0.0850
KL032867	670.00	671.00	0.0290
KL032868	671.00	672.00	0.0240
KL032869	672.00	673.00	0.0760
KL032871	673.00	674.00	0.0190
KL032872	674.00	674.50	0.0025
KL032873	674.50	675.00	0.0760
KL032874	675.00	676.00	0.0080
KL032875	676.00	677.00	0.0090
KL032876	677.00	677.50	0.0280
KL032877	677.50	678.00	0.2910
KL032878	678.00	678.50	0.0720
KL032879	678.50	679.00	0.0160
KL032881	679.00	680.00	0.0100
KL032882	680.00	681.00	0.0510
KL032883	681.00	682.00	0.0025
KL032884	682.00	683.00	0.0025
KL032885	683.00	684.00	0.0210
KL032886	684.00	685.00	0.0080
KL032887	685.00	685.50	0.0025
KL032888	685.50	686.00	0.0570
KL032889	686.00	686.50	0.0160
KL032891	686.50	687.00	0.0025
KL032892	687.00	688.00	0.0025
KL032893	688.00	689.00	0.0025
KL032894	689.00	690.00	0.0060
KL032895	690.00	691.00	0.0025
KL032896	691.00	692.00	0.0050
KL032897	706.90	708.00	0.0025
KL032898	708.00	709.00	0.0025
KL032899	709.00	710.00	0.0025
KL032901	710.00	711.00	0.0025
KL032902	711.00	712.00	0.0025
KL032903	712.00	713.00	0.0025
KL032904	713.00	714.00	0.0160
KL032905	714.00	714.80	0.0025

Hole Number: **CAR-22-32**

Units: METRIC

Samples

Sample Number	From	To	Au_gpt_Final
Sample Type	ASSAY		
KL032906	722.00	723.00	0.0025
KL032907	723.00	724.00	0.0025
KL032908	724.00	725.00	0.0050
KL032909	725.00	726.00	0.0050
KL032911	726.00	727.20	0.0090
KL032912	733.00	734.00	0.0110
KL032913	734.00	735.00	0.0490
KL032914	735.00	736.00	1.1100
KL032915	736.00	737.00	1.1500
KL032916	737.00	738.00	0.0160
KL032917	738.00	738.50	0.1190
KL032918	738.50	739.00	0.0190
KL032919	739.00	739.50	1.1700
KL032921	739.50	740.00	0.0025
KL032922	740.00	741.00	0.0025
KL032923	741.00	742.00	0.0025
KL032924	742.00	743.00	0.0025
KL032925	743.00	744.00	0.0025
KL032926	744.00	745.00	0.0060
KL032927	745.00	746.00	0.0025
KL032928	746.00	747.00	0.0050
KL032929	747.00	748.00	0.1030
KL032931	748.00	749.00	0.0190
KL032932	749.00	750.00	0.2770
KL032933	750.00	751.00	0.2110
KL032934	751.00	752.00	0.0390
KL032935	752.00	753.00	0.0580



AGNICO EAGLE

Appendix D

Drill Hole Assay Certificates



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

Report No.: A22-08208
 Report Date: 17-Jun-22
 Date Submitted: 16-Jun-22
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

26 Rock samples were submitted for analysis.

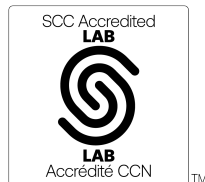
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-06-17 19:49:45
Weight Rpt (kg)-Timmins	Received Weights	2022-06-16 12:57:45

REPORT A22-08208

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

Notes:

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



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	KL018354	2.47	0.010	-	-
ASSAY	KL018355	1.87	0.016	-	-
ASSAY	KL018356	1.74	0.023	-	-
ASSAY	KL018357	1.19	0.021	-	-
ASSAY	KL018358	1.38	2.00	-	-
ASSAY	KL018359	1.27	3.92	-	-
ASSAY	KL018360	1.24	0.012	-	-
ASSAY	KL018361	1.24	3.41	-	-
ASSAY	KL018362	1.19	1.26	-	-
ASSAY	KL018363	1.85	0.498	-	-
ASSAY	KL018364	2.36	0.023	-	-
ASSAY	KL018365	0.945	0.029	-	-
ASSAY	KL018366	1.66	0.331	-	-
ASSAY	KL018367	0.596	0.611	-	-
ASSAY	KL018368	1.24	0.037	-	-
ASSAY	KL018369	1.25	0.011	-	-
ASSAY	KL018370	0.0660	0.350	-	-
ASSAY	KL018371	1.19	0.061	-	-
ASSAY	KL018372	1.29	0.018	-	-
ASSAY	KL018373	1.20	0.018	-	-
ASSAY	KL018374	1.34	3.59	-	-
ASSAY	KL018375	1.42	0.011	-	-
ASSAY	KL018376	2.26	0.006	-	-
ASSAY	KL018377	2.66	0.012	-	-
ASSAY	KL018378	1.12	0.053	-	-
ASSAY	KL018379	1.57	0.016	-	-
PULPDUP	KL018362	-	1.11	-	-
PULPDUP	KL018372	-	0.013	-	-



Report No.: A22-08312
Report Date: 31-Aug-22
Date Submitted: 17-Jun-22
Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

198 Rock samples were submitted for analysis.

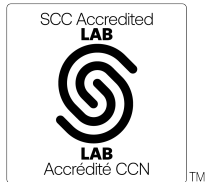
Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A22-08312

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

Notes:

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



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 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	KL018258	1.71	0.183	-	-
ASSAY	KL018259	0.687	0.425	-	-
ASSAY	KL018260	0.703	0.007	-	-
ASSAY	KL018261	0.770	0.041	-	-
ASSAY	KL018262	1.66	0.020	-	-
ASSAY	KL018263	0.796	0.006	-	-
ASSAY	KL018264	0.851	0.038	-	-
ASSAY	KL018265	0.659	0.027	-	-
ASSAY	KL018266	0.626	0.010	-	-
ASSAY	KL018267	1.87	0.005	-	-
ASSAY	KL018268	1.43	0.005	-	-
ASSAY	KL018269	1.83	< 0.005	-	-
ASSAY	KL018270	0.0660	0.345	-	-
ASSAY	KL018271	0.481	0.007	-	-
ASSAY	KL018272	1.14	0.005	-	-
ASSAY	KL018273	1.77	0.033	-	-
ASSAY	KL018274	1.18	0.053	-	-
ASSAY	KL018275	1.71	0.013	-	-
ASSAY	KL018276	1.90	< 0.005	-	-
ASSAY	KL018277	0.653	0.006	-	-
ASSAY	KL018278	0.648	< 0.005	-	-
ASSAY	KL018279	1.68	< 0.005	-	-
ASSAY	KL018280	0.585	< 0.005	-	-
ASSAY	KL018281	1.79	0.011	-	-
ASSAY	KL018282	1.80	0.007	-	-
ASSAY	KL018283	1.79	0.009	-	-
ASSAY	KL018284	1.79	0.011	-	-
ASSAY	KL018285	1.77	< 0.005	-	-
ASSAY	KL018286	1.89	0.049	-	-
ASSAY	KL018287	1.92	0.017	-	-
ASSAY	KL018288	1.61	0.005	-	-
ASSAY	KL018289	1.55	< 0.005	-	-
ASSAY	KL018290	0.0660	0.738	-	-
ASSAY	KL018291	1.79	0.006	-	-
ASSAY	KL018292	2.24	0.008	-	-
ASSAY	KL018293	1.27	0.009	-	-
ASSAY	KL018294	1.17	0.005	-	-
ASSAY	KL018295	1.45	0.010	-	-
ASSAY	KL018296	0.687	0.958	-	-
ASSAY	KL018297	1.77	0.005	-	-
ASSAY	KL018298	1.85	0.012	-	-
ASSAY	KL018299	1.77	< 0.005	-	-
ASSAY	KL018300	0.452	< 0.005	-	-
ASSAY	KL018301	1.77	0.013	-	-
ASSAY	KL018302	1.81	0.024	-	-
ASSAY	KL018303	2.14	< 0.005	-	-
ASSAY	KL018304	1.69	< 0.005	-	-
ASSAY	KL018305	1.88	< 0.005	-	-
ASSAY	KL018306	1.60	0.005	-	-
ASSAY	KL018307	1.64	< 0.005	-	-
ASSAY	KL018308	1.82	0.008	-	-
ASSAY	KL018309	1.87	0.178	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018310	0.0660	0.336	-	-
ASSAY	KL018311	1.80	0.044	-	-
ASSAY	KL018312	1.72	0.012	-	-
ASSAY	KL018313	2.04	0.006	-	-
ASSAY	KL018314	0.584	< 0.005	-	-
ASSAY	KL018315	1.54	0.038	-	-
ASSAY	KL018316	1.07	< 0.005	-	-
ASSAY	KL018317	1.49	0.006	-	-
ASSAY	KL018318	1.79	0.007	-	-
ASSAY	KL018319	1.75	0.008	-	-
ASSAY	KL018320	0.620	< 0.005	-	-
ASSAY	KL018321	2.01	< 0.005	-	-
ASSAY	KL018322	1.67	< 0.005	-	-
ASSAY	KL018323	2.60	< 0.005	-	-
ASSAY	KL018324	1.64	0.055	-	-
ASSAY	KL018325	2.01	0.032	-	-
ASSAY	KL018326	1.42	0.047	-	-
ASSAY	KL018327	2.02	0.046	-	-
ASSAY	KL018328	2.07	0.018	-	-
ASSAY	KL018329	1.52	0.015	-	-
ASSAY	KL018330	0.0660	0.337	-	-
ASSAY	KL018331	2.10	0.070	-	-
ASSAY	KL018332	1.94	0.018	-	-
ASSAY	KL018333	1.72	0.022	-	-
ASSAY	KL018334	2.23	0.016	-	-
ASSAY	KL018335	1.79	0.017	-	-
ASSAY	KL018336	1.87	0.010	-	-
ASSAY	KL018337	1.56	0.009	-	-
ASSAY	KL018338	1.78	< 0.005	-	-
ASSAY	KL018339	1.86	< 0.005	-	-
ASSAY	KL018340	0.691	0.005	-	-
ASSAY	KL018341	1.99	0.005	-	-
ASSAY	KL018342	1.93	0.007	-	-
ASSAY	KL018343	0.818	0.046	-	-
ASSAY	KL018344	0.661	0.005	-	-
ASSAY	KL018345	2.03	0.007	-	-
ASSAY	KL018346	1.60	0.010	-	-
ASSAY	KL018347	1.30	0.007	-	-
ASSAY	KL018348	1.28	0.011	-	-
ASSAY	KL018349	1.10	0.006	-	-
ASSAY	KL018350	0.0660	0.751	-	-
ASSAY	KL018351	2.08	0.005	-	-
ASSAY	KL018352	1.65	0.006	-	-
ASSAY	KL018353	2.36	0.016	-	-
ASSAY	KL018380	0.711	< 0.005	-	-
ASSAY	KL018381	1.88	0.005	-	-
ASSAY	KL018382	1.94	< 0.005	-	-
ASSAY	KL018383	1.98	< 0.005	-	-
ASSAY	KL018384	1.75	0.005	-	-
ASSAY	KL018385	1.83	0.021	-	-
ASSAY	KL018386	1.97	0.005	-	-
ASSAY	KL018387	1.84	0.006	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018388	1.83	0.010	-	-
ASSAY	KL018389	2.21	0.009	-	-
ASSAY	KL018390	0.0660	0.780	-	-
ASSAY	KL018391	2.01	0.011	-	-
ASSAY	KL018392	1.91	0.016	-	-
ASSAY	KL018393	1.37	0.013	-	-
ASSAY	KL018394	1.74	0.055	-	-
ASSAY	KL018395	1.76	0.010	-	-
ASSAY	KL018396	1.84	0.015	-	-
ASSAY	KL018397	2.01	0.008	-	-
ASSAY	KL018398	1.85	0.012	-	-
ASSAY	KL018399	1.76	0.011	-	-
ASSAY	KL018400	0.680	0.008	-	-
ASSAY	KL018401	1.95	0.007	-	-
ASSAY	KL018402	1.74	0.015	-	-
ASSAY	KL018403	2.34	0.028	-	-
ASSAY	KL018404	1.68	0.009	-	-
ASSAY	KL018405	1.75	0.014	-	-
ASSAY	KL018406	1.59	0.024	-	-
ASSAY	KL018407	1.85	0.022	-	-
ASSAY	KL018408	1.80	0.029	-	-
ASSAY	KL018409	1.93	0.011	-	-
ASSAY	KL018410	0.0660	0.349	-	-
ASSAY	KL018411	1.88	0.009	-	-
ASSAY	KL018412	1.63	0.014	-	-
ASSAY	KL018413	2.19	0.009	-	-
ASSAY	KL018414	1.97	0.005	-	-
ASSAY	KL018415	1.77	0.005	-	-
ASSAY	KL018416	1.26	0.012	-	-
ASSAY	KL018417	1.89	0.007	-	-
ASSAY	KL018418	1.67	0.014	-	-
ASSAY	KL018419	0.728	0.016	-	-
ASSAY	KL018420	0.480	0.005	-	-
ASSAY	KL018421	1.01	0.010	-	-
ASSAY	KL018422	0.802	0.079	-	-
ASSAY	KL018423	0.574	0.013	-	-
ASSAY	KL018424	1.71	0.010	-	-
ASSAY	KL018425	0.646	0.010	-	-
ASSAY	KL018426	0.604	0.823	-	-
ASSAY	KL018427	1.68	0.029	-	-
ASSAY	KL018428	1.79	0.009	-	-
ASSAY	KL018429	1.96	0.008	-	-
ASSAY	KL018430	0.0660	0.324	-	-
ASSAY	KL018431	1.78	0.012	-	-
ASSAY	KL018432	2.10	0.082	-	-
ASSAY	KL018433	1.97	0.007	-	-
ASSAY	KL018434	1.91	0.006	-	-
ASSAY	KL018435	0.754	0.016	-	-
ASSAY	KL018436	0.597	0.060	-	-
ASSAY	KL018437	1.47	0.012	-	-
ASSAY	KL018438	2.04	0.010	-	-
ASSAY	KL018439	2.08	0.007	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018440	0.356	< 0.005	-	-
ASSAY	KL018441	1.62	0.005	-	-
ASSAY	KL018442	1.92	0.007	-	-
ASSAY	KL018443	2.21	0.164	-	-
ASSAY	KL018444	1.82	0.041	-	-
ASSAY	KL018445	0.811	0.008	-	-
ASSAY	KL018446	1.04	0.011	-	-
ASSAY	KL018447	1.28	0.017	-	-
ASSAY	KL018448	2.02	1.35	-	-
ASSAY	KL018449	1.79	0.167	-	-
ASSAY	KL018450	0.0660	0.774	-	-
ASSAY	KL018451	1.84	0.013	-	-
ASSAY	KL018452	1.79	0.014	-	-
ASSAY	KL018453	2.05	0.019	-	-
ASSAY	KL018454	1.80	0.124	-	-
ASSAY	KL018455	1.98	0.065	-	-
PULPDUP	KL018267	-	0.005	-	-
PULPDUP	KL018277	-	0.006	-	-
PULPDUP	KL018287	-	0.026	-	-
PULPDUP	KL018302	-	0.025	-	-
PREPDUP	KL018307	-	0.006	-	-
PULPDUP	KL018311	-	0.027	-	-
PULPDUP	KL018321	-	< 0.005	-	-
PULPDUP	KL018336	-	0.014	-	-
PULPDUP	KL018346	-	0.007	-	-
PULPDUP	KL018380	-	< 0.005	-	-
PULPDUP	KL018391	-	0.009	-	-
PULPDUP	KL018405	-	0.009	-	-
PREPDUP	KL018407	-	0.022	-	-
PULPDUP	KL018414	-	< 0.005	-	-
PULPDUP	KL018424	-	0.014	-	-
PULPDUP	KL018439	-	0.007	-	-
PULPDUP	KL018449	-	0.118	-	-



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

Report No.: A22-08626
 Report Date: 23-Jun-22
 Date Submitted: 22-Jun-22
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

47 Rock samples were submitted for analysis.

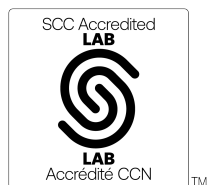
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-06-23 12:28:34
Weight Rpt (kg)-Timmins	Received Weights	2022-06-22 14:03:40

REPORT **A22-08626**

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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	KL018456	2.19	0.013	-	-
ASSAY	KL018457	2.02	0.007	-	-
ASSAY	KL018458	2.31	0.013	-	-
ASSAY	KL018459	2.12	< 0.005	-	-
ASSAY	KL018460	0.868	< 0.005	-	-
ASSAY	KL018461	2.03	< 0.005	-	-
ASSAY	KL018462	2.06	0.005	-	-
ASSAY	KL018463	1.90	0.008	-	-
ASSAY	KL018464	1.54	0.007	-	-
ASSAY	KL018465	0.978	0.048	-	-
ASSAY	KL018466	2.19	0.006	-	-
ASSAY	KL018467	2.40	0.008	-	-
ASSAY	KL018468	2.35	< 0.005	-	-
ASSAY	KL018469	2.16	0.008	-	-
ASSAY	KL018470	0.0660	0.343	-	-
ASSAY	KL018471	2.32	0.005	-	-
ASSAY	KL018472	2.11	< 0.005	-	-
ASSAY	KL018473	1.25	< 0.005	-	-
ASSAY	KL018474	1.32	0.024	-	-
ASSAY	KL018475	1.07	0.061	-	-
ASSAY	KL018476	1.12	0.028	-	-
ASSAY	KL018477	1.01	0.007	-	-
ASSAY	KL018478	1.39	0.007	-	-
ASSAY	KL018479	1.06	0.011	-	-
ASSAY	KL018480	0.938	< 0.005	-	-
ASSAY	KL018481	1.25	0.080	-	-
ASSAY	KL018482	2.42	0.006	-	-
ASSAY	KL018483	2.35	0.048	-	-
ASSAY	KL018484	2.27	0.005	-	-
ASSAY	KL018485	2.65	< 0.005	-	-
ASSAY	KL018486	2.56	< 0.005	-	-
ASSAY	KL018487	2.90	< 0.005	-	-
ASSAY	KL018488	2.80	< 0.005	-	-
ASSAY	KL018489	1.15	0.022	-	-
ASSAY	KL018490	0.0660	0.335	-	-
ASSAY	KL018491	1.38	0.007	-	-
ASSAY	KL018492	2.56	< 0.005	-	-
ASSAY	KL018493	2.43	< 0.005	-	-
ASSAY	KL018494	2.54	< 0.005	-	-
ASSAY	KL018495	2.73	0.005	-	-
ASSAY	KL018496	2.32	< 0.005	-	-
ASSAY	KL018497	2.32	< 0.005	-	-
ASSAY	KL018498	2.39	< 0.005	-	-
ASSAY	KL018499	2.23	< 0.005	-	-
ASSAY	KL018500	1.15	< 0.005	-	-
ASSAY	KL018501	3.26	0.006	-	-
ASSAY	KL018502	1.38	< 0.005	-	-
PULPDUP	KL018465	-	0.046	-	-
PULPDUP	KL018475	-	0.072	-	-
PULPDUP	KL018485	-	< 0.005	-	-
PULPDUP	KL018500	-	< 0.005	-	-



Report No.: A22-09088
Report Date: 06-Jul-22
Date Submitted: 30-Jun-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

66 Rock samples were submitted for analysis.

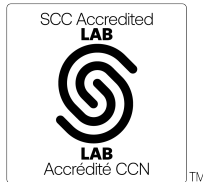
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-09088

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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 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	KL018566	2.53	0.056	-	-
ASSAY	KL018567	2.48	0.007	-	-
ASSAY	KL018568	2.56	0.011	-	-
ASSAY	KL018569	2.30	0.010	-	-
ASSAY	KL018570	0.0660	0.780	-	-
ASSAY	KL018571	2.56	0.029	-	-
ASSAY	KL018572	2.40	0.010	-	-
ASSAY	KL018573	2.32	0.025	-	-
ASSAY	KL018574	2.57	0.021	-	-
ASSAY	KL018575	2.42	0.016	-	-
ASSAY	KL018576	2.42	0.011	-	-
ASSAY	KL018577	2.37	0.010	-	-
ASSAY	KL018578	2.47	< 0.005	-	-
ASSAY	KL018579	2.81	< 0.005	-	-
ASSAY	KL018580	1.05	< 0.005	-	-
ASSAY	KL018581	2.73	0.009	-	-
ASSAY	KL018582	0.936	0.076	-	-
ASSAY	KL018583	1.42	0.131	-	-
ASSAY	KL018584	1.51	0.298	-	-
ASSAY	KL018585	0.811	0.113	-	-
ASSAY	KL018586	2.28	0.009	-	-
ASSAY	KL018587	2.73	0.005	-	-
ASSAY	KL018588	2.62	0.005	-	-
ASSAY	KL018589	2.48	0.008	-	-
ASSAY	KL018590	0.0660	0.330	-	-
ASSAY	KL018591	2.39	0.005	-	-
ASSAY	KL018592	2.28	0.006	-	-
ASSAY	KL018593	1.15	0.006	-	-
ASSAY	KL018594	1.16	0.006	-	-
ASSAY	KL018595	2.16	0.006	-	-
ASSAY	KL018596	2.61	0.009	-	-
ASSAY	KL018597	1.24	0.008	-	-
ASSAY	KL018598	1.17	0.008	-	-
ASSAY	KL018599	2.24	0.009	-	-
ASSAY	KL018600	0.999	0.008	-	-
ASSAY	KL018601	1.70	0.011	-	-
ASSAY	KL018602	1.75	0.117	-	-
ASSAY	KL018603	1.60	0.057	-	-
ASSAY	KL018604	1.59	0.009	-	-
ASSAY	KL018605	1.19	0.048	-	-
ASSAY	KL018606	1.35	0.077	-	-
ASSAY	KL018607	1.12	0.008	-	-
ASSAY	KL018608	2.54	0.013	-	-
ASSAY	KL018609	2.49	0.008	-	-
ASSAY	KL018610	0.0660	0.334	-	-
ASSAY	KL018611	2.88	0.008	-	-
ASSAY	KL018612	2.55	0.008	-	-
ASSAY	KL018613	2.41	0.010	-	-
ASSAY	KL018614	2.58	0.020	-	-
ASSAY	KL018615	2.44	0.010	-	-
ASSAY	KL018616	2.46	0.011	-	-
ASSAY	KL018617	2.36	0.010	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018618	2.51	0.014	-	-
ASSAY	KL018619	1.26	0.010	-	-
ASSAY	KL018620	1.08	0.010	-	-
ASSAY	KL018621	1.20	0.021	-	-
ASSAY	KL018622	2.41	0.013	-	-
ASSAY	KL018623	1.38	0.014	-	-
ASSAY	KL018624	0.861	0.016	-	-
ASSAY	KL018625	2.64	< 0.005	-	-
ASSAY	KL018626	2.16	< 0.005	-	-
ASSAY	KL018627	2.97	< 0.005	-	-
ASSAY	KL018628	2.69	< 0.005	-	-
ASSAY	KL018629	2.29	< 0.005	-	-
ASSAY	KL018630	0.0660	0.751	-	-
ASSAY	KL018631	2.38	0.079	-	-
PULPDUP	KL018575	-	0.015	-	-
PULPDUP	KL018585	-	0.099	-	-
PULPDUP	KL018595	-	0.006	-	-
PULPDUP	KL018611	-	0.006	-	-
PREPDUP	KL018614	-	0.011	-	-
PULPDUP	KL018619	-	0.010	-	-
PULPDUP	KL018629	-	0.007	-	-



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

Report No.: A22-09089
Report Date: 08-Aug-22
Date Submitted: 30-Jun-22
Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

63 Rock samples were submitted for analysis.

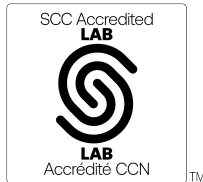
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-08-07 07:51:30
Weight Rpt (kg)-Timmins	Received Weights	2022-07-20 15:22:49

REPORT A22-09089

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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	KL018503	1.09	0.009	-	-
ASSAY	KL018504	1.12	0.009	-	-
ASSAY	KL018505	2.59	< 0.005	-	-
ASSAY	KL018506	1.61	0.016	-	-
ASSAY	KL018507	1.58	0.032	-	-
ASSAY	KL018508	1.28	< 0.005	-	-
ASSAY	KL018509	2.46	< 0.005	-	-
ASSAY	KL018510	0.0970	0.748	-	-
ASSAY	KL018511	2.63	< 0.005	-	-
ASSAY	KL018512	2.39	< 0.005	-	-
ASSAY	KL018513	2.33	< 0.005	-	-
ASSAY	KL018514	2.37	< 0.005	-	-
ASSAY	KL018515	2.14	< 0.005	-	-
ASSAY	KL018516	1.50	< 0.005	-	-
ASSAY	KL018517	1.02	< 0.005	-	-
ASSAY	KL018518	2.23	< 0.005	-	-
ASSAY	KL018519	1.11	< 0.005	-	-
ASSAY	KL018520	0.913	< 0.005	-	-
ASSAY	KL018521	1.91	< 0.005	-	-
ASSAY	KL018522	1.71	< 0.005	-	-
ASSAY	KL018523	2.69	< 0.005	-	-
ASSAY	KL018524	2.04	< 0.005	-	-
ASSAY	KL018525	1.09	< 0.005	-	-
ASSAY	KL018526	1.81	< 0.005	-	-
ASSAY	KL018527	1.67	0.009	-	-
ASSAY	KL018528	1.46	0.052	-	-
ASSAY	KL018529	1.91	< 0.005	-	-
ASSAY	KL018530	0.0990	0.332	-	-
ASSAY	KL018531	2.18	0.011	-	-
ASSAY	KL018532	2.43	0.015	-	-
ASSAY	KL018533	2.23	0.010	-	-
ASSAY	KL018534	2.60	0.011	-	-
ASSAY	KL018535	2.30	< 0.005	-	-
ASSAY	KL018536	2.17	< 0.005	-	-
ASSAY	KL018537	2.05	0.040	-	-
ASSAY	KL018538	2.33	< 0.005	-	-
ASSAY	KL018539	2.31	0.008	-	-
ASSAY	KL018540	0.937	< 0.005	-	-
ASSAY	KL018541	2.87	0.012	-	-
ASSAY	KL018542	2.45	< 0.005	-	-
ASSAY	KL018543	2.78	< 0.005	-	-
ASSAY	KL018544	1.53	< 0.005	-	-
ASSAY	KL018545	1.41	< 0.005	-	-
ASSAY	KL018546	2.73	< 0.005	-	-
ASSAY	KL018547	1.25	< 0.005	-	-
ASSAY	KL018548	1.39	0.014	-	-
ASSAY	KL018549	1.05	< 0.005	-	-
ASSAY	KL018550	0.0960	0.335	-	-
ASSAY	KL018551	1.15	0.012	-	-
ASSAY	KL018552	1.27	< 0.005	-	-
ASSAY	KL018553	1.36	0.016	-	-
ASSAY	KL018554	2.64	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018555	2.38	< 0.005	-	-
ASSAY	KL018556	2.47	< 0.005	-	-
ASSAY	KL018557	2.29	< 0.005	-	-
ASSAY	KL018558	1.11	< 0.005	-	-
ASSAY	KL018559	1.74	0.010	-	-
ASSAY	KL018560	0.804	< 0.005	-	-
ASSAY	KL018561	2.37	< 0.005	-	-
ASSAY	KL018562	2.45	< 0.005	-	-
ASSAY	KL018563	2.66	< 0.005	-	-
ASSAY	KL018564	2.54	< 0.005	-	-
ASSAY	KL018565	2.33	< 0.005	-	-
PULPDUP	KL018509	-	0.010	-	-
PULPDUP	KL018519	-	< 0.005	-	-
PULPDUP	KL018529	-	< 0.005	-	-
PULPDUP	KL018549	-	< 0.005	-	-
PREPDUP	KL018552	-	< 0.005	-	-
PULPDUP	KL018558	-	< 0.005	-	-



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

Report No.: A22-09766
 Report Date: 18-Jul-22
 Date Submitted: 13-Jul-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

108 Rock samples were submitted for analysis.

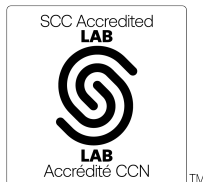
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-07-15 17:54:58
Weight Rpt (kg)-Timmins	Received Weights	2022-07-13 14:06:48

REPORT **A22-09766**

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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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 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	KL018662	1.36	0.009	-	-
ASSAY	KL018663	1.22	0.009	-	-
ASSAY	KL018664	2.13	0.009	-	-
ASSAY	KL018665	1.07	0.009	-	-
ASSAY	KL018666	1.93	0.035	-	-
ASSAY	KL018667	1.37	0.016	-	-
ASSAY	KL018668	1.21	0.014	-	-
ASSAY	KL018669	1.26	0.038	-	-
ASSAY	KL018670	0.0950	0.346	-	-
ASSAY	KL018671	1.19	0.015	-	-
ASSAY	KL018672	2.38	0.014	-	-
ASSAY	KL018673	2.35	0.015	-	-
ASSAY	KL018674	2.30	0.014	-	-
ASSAY	KL018675	2.66	0.009	-	-
ASSAY	KL018676	2.56	< 0.005	-	-
ASSAY	KL018677	2.34	0.007	-	-
ASSAY	KL018678	2.39	0.009	-	-
ASSAY	KL018679	1.11	0.008	-	-
ASSAY	KL018680	0.961	0.006	-	-
ASSAY	KL018681	1.41	0.059	-	-
ASSAY	KL018682	2.23	0.012	-	-
ASSAY	KL018683	2.57	0.009	-	-
ASSAY	KL018684	2.49	0.007	-	-
ASSAY	KL018685	2.48	0.011	-	-
ASSAY	KL018686	2.53	0.008	-	-
ASSAY	KL018687	2.50	0.008	-	-
ASSAY	KL018688	2.43	0.009	-	-
ASSAY	KL018689	1.83	0.009	-	-
ASSAY	KL018690	0.0940	0.827	-	-
ASSAY	KL018691	0.757	0.012	-	-
ASSAY	KL018692	1.24	0.012	-	-
ASSAY	KL018693	1.28	0.007	-	-
ASSAY	KL018694	1.43	0.014	-	-
ASSAY	KL018695	1.13	0.008	-	-
ASSAY	KL018696	1.32	0.011	-	-
ASSAY	KL018697	1.28	0.252	-	-
ASSAY	KL018698	2.26	0.233	-	-
ASSAY	KL018699	2.26	0.007	-	-
ASSAY	KL018700	0.958	< 0.005	-	-
ASSAY	KL018701	2.72	< 0.005	-	-
ASSAY	KL018702	2.45	0.005	-	-
ASSAY	KL018703	1.71	0.007	-	-
ASSAY	KL018704	3.60	0.009	-	-
ASSAY	KL018705	2.34	< 0.005	-	-
ASSAY	KL018706	2.32	< 0.005	-	-
ASSAY	KL018707	3.34	< 0.005	-	-
ASSAY	KL018708	2.50	0.005	-	-
ASSAY	KL018709	1.72	0.006	-	-
ASSAY	KL018710	0.0940	0.351	-	-
ASSAY	KL018711	2.92	0.009	-	-
ASSAY	KL018712	2.47	0.019	-	-
ASSAY	KL018713	2.46	0.082	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018714	2.40	0.007	-	-
ASSAY	KL018715	2.42	0.007	-	-
ASSAY	KL018716	2.46	0.010	-	-
ASSAY	KL018717	2.50	0.008	-	-
ASSAY	KL018718	2.63	0.007	-	-
ASSAY	KL018719	2.41	0.008	-	-
ASSAY	KL018720	0.990	< 0.005	-	-
ASSAY	KL018721	2.80	0.007	-	-
ASSAY	KL018722	2.42	< 0.005	-	-
ASSAY	KL018723	2.84	0.006	-	-
ASSAY	KL018724	2.81	0.005	-	-
ASSAY	KL018725	1.91	< 0.005	-	-
ASSAY	KL018726	2.78	< 0.005	-	-
ASSAY	KL018727	2.61	< 0.005	-	-
ASSAY	KL018728	2.66	0.006	-	-
ASSAY	KL018729	2.59	< 0.005	-	-
ASSAY	KL018730	0.0900	0.348	-	-
ASSAY	KL018731	2.70	< 0.005	-	-
ASSAY	KL018732	2.47	< 0.005	-	-
ASSAY	KL018733	2.65	0.005	-	-
ASSAY	KL018734	2.29	0.008	-	-
ASSAY	KL018735	2.49	0.010	-	-
ASSAY	KL018736	2.71	0.005	-	-
ASSAY	KL018737	2.11	< 0.005	-	-
ASSAY	KL018738	2.08	0.009	-	-
ASSAY	KL018739	1.77	0.009	-	-
ASSAY	KL018740	1.11	< 0.005	-	-
ASSAY	KL018741	0.903	0.260	-	-
ASSAY	KL018742	1.47	0.076	-	-
ASSAY	KL018743	1.70	0.027	-	-
ASSAY	KL018744	2.43	0.009	-	-
ASSAY	KL018745	1.15	0.048	-	-
ASSAY	KL018746	1.35	0.037	-	-
ASSAY	KL018747	1.59	0.017	-	-
ASSAY	KL018748	1.28	0.014	-	-
ASSAY	KL018749	2.56	0.010	-	-
ASSAY	KL018750	0.0940	0.739	-	-
ASSAY	KL018751	3.30	0.010	-	-
ASSAY	KL018752	2.43	0.009	-	-
ASSAY	KL018753	2.72	0.007	-	-
ASSAY	KL018754	2.31	0.012	-	-
ASSAY	KL018755	1.34	0.302	-	-
ASSAY	KL018756	1.29	0.421	-	-
ASSAY	KL018757	1.48	1.59	-	-
ASSAY	KL018758	1.24	0.231	-	-
ASSAY	KL018759	1.15	0.039	-	-
ASSAY	KL018760	0.913	0.006	-	-
ASSAY	KL018761	1.43	0.254	-	-
ASSAY	KL018762	1.74	2.39	-	-
ASSAY	KL018763	1.33	0.206	-	-
ASSAY	KL018764	2.60	0.024	-	-
ASSAY	KL018765	1.82	0.012	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018766	2.90	0.016	-	-
ASSAY	KL018767	2.05	0.011	-	-
ASSAY	KL018768	2.70	0.008	-	-
ASSAY	KL018769	2.75	0.010	-	-
PULPDUP	KL018671	-	0.015	-	-
PULPDUP	KL018691	-	0.013	-	-
PULPDUP	KL018706	-	< 0.005	-	-
PREPDUP	KL018711	-	0.010	-	-
PULPDUP	KL018715	-	0.006	-	-
PULPDUP	KL018725	-	< 0.005	-	-
PULPDUP	KL018741	-	0.255	-	-
PULPDUP	KL018751	-	0.010	-	-
PREPDUP	KL018761	-	0.275	-	-
PULPDUP	KL018762	-	2.47	-	-



Report No.: A22-09769
Report Date: 02-Aug-22
Date Submitted: 13-Jul-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

30 Rock samples were submitted for analysis.

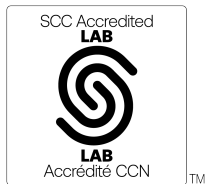
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-09769

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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	KL018632	2.55	0.011	-	-
ASSAY	KL018633	2.39	0.009	-	-
ASSAY	KL018634	2.95	0.011	-	-
ASSAY	KL018635	2.43	0.010	-	-
ASSAY	KL018636	2.44	0.016	-	-
ASSAY	KL018637	2.40	0.009	-	-
ASSAY	KL018638	2.67	0.010	-	-
ASSAY	KL018639	2.72	0.011	-	-
ASSAY	KL018640	0.955	< 0.005	-	-
ASSAY	KL018641	2.46	0.013	-	-
ASSAY	KL018642	1.69	0.011	-	-
ASSAY	KL018643	2.41	0.005	-	-
ASSAY	KL018644	2.67	0.006	-	-
ASSAY	KL018645	2.92	0.018	-	-
ASSAY	KL018646	2.20	0.011	-	-
ASSAY	KL018647	2.37	0.013	-	-
ASSAY	KL018648	3.22	0.008	-	-
ASSAY	KL018649	2.82	0.009	-	-
ASSAY	KL018650	0.0660	0.323	-	-
ASSAY	KL018651	2.42	0.011	-	-
ASSAY	KL018652	2.51	0.013	-	-
ASSAY	KL018653	2.64	0.009	-	-
ASSAY	KL018654	2.57	0.009	-	-
ASSAY	KL018655	2.44	0.010	-	-
ASSAY	KL018656	2.50	0.010	-	-
ASSAY	KL018657	2.49	0.011	-	-
ASSAY	KL018658	2.38	0.005	-	-
ASSAY	KL018659	2.34	0.008	-	-
ASSAY	KL018660	0.879	< 0.005	-	-
ASSAY	KL018661	2.72	0.008	-	-
PULPDUP	KL018641	-	0.013	-	-
PULPDUP	KL018651	-	0.009	-	-
PULPDUP	KL018661	-	0.008	-	-



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

Report No.: A22-09836-Au
 Report Date: 11-Aug-22
 Date Submitted: 14-Jul-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

66 Rock samples were submitted for analysis.

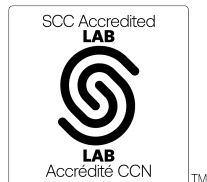
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-08-03 09:34:42
Weight Rpt (kg)-Timmins	Received Weights	2022-07-27 15:48:34

REPORT **A22-09836-Au**

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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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 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	KL018770	0.0660	0.332	-	-
ASSAY	KL018771	2.47	< 0.005	-	-
ASSAY	KL018772	2.68	0.081	-	-
ASSAY	KL018773	2.60	< 0.005	-	-
ASSAY	KL018774	2.75	0.081	-	-
ASSAY	KL018775	1.85	< 0.005	-	-
ASSAY	KL018776	2.70	0.048	-	-
ASSAY	KL018777	2.57	< 0.005	-	-
ASSAY	KL018778	2.55	< 0.005	-	-
ASSAY	KL018779	2.55	< 0.005	-	-
ASSAY	KL018780	0.987	< 0.005	-	-
ASSAY	KL018781	2.73	< 0.005	-	-
ASSAY	KL018782	2.61	< 0.005	-	-
ASSAY	KL018783	2.37	0.023	-	-
ASSAY	KL018784	2.58	0.008	-	-
ASSAY	KL018785	2.60	0.015	-	-
ASSAY	KL018786	2.37	0.006	-	-
ASSAY	KL018787	2.65	< 0.005	-	-
ASSAY	KL018788	2.80	0.005	-	-
ASSAY	KL018789	2.28	< 0.005	-	-
ASSAY	KL018790	0.0660	0.326	-	-
ASSAY	KL018791	2.43	0.007	-	-
ASSAY	KL018792	2.45	< 0.005	-	-
ASSAY	KL018793	2.09	0.006	-	-
ASSAY	KL018794	2.52	0.007	-	-
ASSAY	KL018795	2.33	0.006	-	-
ASSAY	KL018796	2.41	0.008	-	-
ASSAY	KL018797	2.46	0.005	-	-
ASSAY	KL018798	2.40	0.005	-	-
ASSAY	KL018799	2.55	0.005	-	-
ASSAY	KL018800	1.02	< 0.005	-	-
ASSAY	KL018851	2.51	0.006	-	-
ASSAY	KL018852	2.30	< 0.005	-	-
ASSAY	KL018853	2.51	0.008	-	-
ASSAY	KL018854	2.38	0.005	-	-
ASSAY	KL018855	2.74	0.006	-	-
ASSAY	KL018856	3.24	< 0.005	-	-
ASSAY	KL018857	2.58	< 0.005	-	-
ASSAY	KL018858	2.63	< 0.005	-	-
ASSAY	KL018859	2.34	< 0.005	-	-
ASSAY	KL018860	0.0660	0.778	-	-
ASSAY	KL018861	2.72	0.008	-	-
ASSAY	KL018862	2.88	0.005	-	-
ASSAY	KL018863	2.40	< 0.005	-	-
ASSAY	KL018864	2.81	0.013	-	-
ASSAY	KL018865	2.55	0.010	-	-
ASSAY	KL018866	1.27	0.085	-	-
ASSAY	KL018867	1.08	0.158	-	-
ASSAY	KL018868	1.35	0.145	-	-
ASSAY	KL018869	1.24	0.010	-	-
ASSAY	KL018870	1.08	< 0.005	-	-
ASSAY	KL018871	2.89	0.020	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018872	2.54	0.019	-	-
ASSAY	KL018873	2.52	0.057	-	-
ASSAY	KL018874	1.30	0.055	-	-
ASSAY	KL018875	1.41	0.119	-	-
ASSAY	KL018876	2.64	0.036	-	-
ASSAY	KL018877	1.86	0.035	-	-
ASSAY	KL018878	2.56	0.015	-	-
ASSAY	KL018879	2.53	0.034	-	-
ASSAY	KL018880	0.0660	0.775	-	-
ASSAY	KL018881	2.18	0.018	-	-
ASSAY	KL018882	2.00	0.022	-	-
ASSAY	KL018883	2.23	0.008	-	-
ASSAY	KL018884	1.37	0.013	-	-
ASSAY	KL018885	1.22	0.015	-	-
PULPDUP	KL018779	-	< 0.005	-	-
PULPDUP	KL018789	-	< 0.005	-	-
PULPDUP	KL018799	-	0.005	-	-
PULPDUP	KL018864	-	0.009	-	-
PREPDUP	KL018869	-	0.015	-	-
PULPDUP	KL018873	-	0.044	-	-
PULPDUP	KL018883	-	0.007	-	-



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

Report No.: A22-10177
 Report Date: 25-Jul-22
 Date Submitted: 28-Jul-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

88 Rock samples were submitted for analysis.

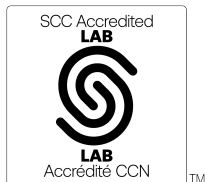
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-07-25 13:25:59
Weight Rpt (kg)-Timmins	Received Weights	2022-07-22 09:51:36

REPORT **A22-10177**

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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	KL018886	2.23	< 0.005	-	-
ASSAY	KL018887	2.47	< 0.005	-	-
ASSAY	KL018888	2.55	< 0.005	-	-
ASSAY	KL018889	2.33	< 0.005	-	-
ASSAY	KL018890	0.945	< 0.005	-	-
ASSAY	KL018891	2.63	< 0.005	-	-
ASSAY	KL018892	2.20	< 0.005	-	-
ASSAY	KL018893	2.30	< 0.005	-	-
ASSAY	KL018894	2.27	< 0.005	-	-
ASSAY	KL018895	2.22	< 0.005	-	-
ASSAY	KL018896	1.69	< 0.005	-	-
ASSAY	KL018897	1.38	< 0.005	-	-
ASSAY	KL018898	1.08	0.005	-	-
ASSAY	KL018899	2.38	< 0.005	-	-
ASSAY	KL018900	0.0980	0.312	-	-
ASSAY	KL018901	2.37	< 0.005	-	-
ASSAY	KL018902	2.25	< 0.005	-	-
ASSAY	KL018903	2.33	< 0.005	-	-
ASSAY	KL018904	2.38	< 0.005	-	-
ASSAY	KL018905	2.03	< 0.005	-	-
ASSAY	KL018906	2.63	< 0.005	-	-
ASSAY	KL018907	2.14	< 0.005	-	-
ASSAY	KL018908	2.41	< 0.005	-	-
ASSAY	KL018909	1.02	0.064	-	-
ASSAY	KL018910	0.948	< 0.005	-	-
ASSAY	KL018911	1.25	0.038	-	-
ASSAY	KL018912	2.25	0.006	-	-
ASSAY	KL018913	2.16	0.006	-	-
ASSAY	KL018914	2.32	0.005	-	-
ASSAY	KL018915	2.24	0.007	-	-
ASSAY	KL018916	2.34	0.007	-	-
ASSAY	KL018917	2.05	0.008	-	-
ASSAY	KL018918	2.36	0.008	-	-
ASSAY	KL018919	1.35	0.007	-	-
ASSAY	KL018920	0.0980	0.336	-	-
ASSAY	KL018921	1.22	0.031	-	-
ASSAY	KL018922	2.35	0.005	-	-
ASSAY	KL018923	2.25	< 0.005	-	-
ASSAY	KL018924	2.24	< 0.005	-	-
ASSAY	KL018925	2.30	< 0.005	-	-
ASSAY	KL018926	2.31	< 0.005	-	-
ASSAY	KL018927	1.18	0.030	-	-
ASSAY	KL018928	1.17	0.005	-	-
ASSAY	KL018929	2.43	< 0.005	-	-
ASSAY	KL018930	1.11	< 0.005	-	-
ASSAY	KL018931	2.83	< 0.005	-	-
ASSAY	KL018932	0.990	0.009	-	-
ASSAY	KL018933	2.04	< 0.005	-	-
ASSAY	KL018934	1.53	0.010	-	-
ASSAY	KL018935	2.11	< 0.005	-	-
ASSAY	KL018936	2.37	< 0.005	-	-
ASSAY	KL018937	1.70	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL018938	3.19	< 0.005	-	-
ASSAY	KL018939	1.99	0.017	-	-
ASSAY	KL018940	0.0990	0.749	-	-
ASSAY	KL018941	1.12	< 0.005	-	-
ASSAY	KL018942	1.29	0.007	-	-
ASSAY	KL018943	2.54	< 0.005	-	-
ASSAY	KL018944	1.95	< 0.005	-	-
ASSAY	KL018945	2.57	< 0.005	-	-
ASSAY	KL018946	2.21	< 0.005	-	-
ASSAY	KL018947	2.38	< 0.005	-	-
ASSAY	KL018948	2.16	< 0.005	-	-
ASSAY	KL018949	2.21	0.007	-	-
ASSAY	KL018950	0.958	< 0.005	-	-
ASSAY	KL018951	2.76	< 0.005	-	-
ASSAY	KL018952	1.03	< 0.005	-	-
ASSAY	KL018953	1.68	< 0.005	-	-
ASSAY	KL018954	1.88	0.005	-	-
ASSAY	KL018955	1.12	0.005	-	-
ASSAY	KL018956	1.18	< 0.005	-	-
ASSAY	KL018957	2.11	0.005	-	-
ASSAY	KL018958	2.12	< 0.005	-	-
ASSAY	KL018959	2.64	< 0.005	-	-
ASSAY	KL018960	0.0980	0.335	-	-
ASSAY	KL018961	2.68	0.008	-	-
ASSAY	KL018962	1.98	< 0.005	-	-
ASSAY	KL018963	2.26	0.005	-	-
ASSAY	KL018964	2.45	0.006	-	-
ASSAY	KL018965	2.46	0.022	-	-
ASSAY	KL018966	2.02	< 0.005	-	-
ASSAY	KL018967	1.54	0.433	-	-
ASSAY	KL018968	1.25	0.005	-	-
ASSAY	KL018969	1.22	0.006	-	-
ASSAY	KL018970	1.07	0.005	-	-
ASSAY	KL018971	1.53	0.006	-	-
ASSAY	KL018972	2.04	0.006	-	-
ASSAY	KL018973	1.80	0.011	-	-
PULPDUP	KL018895	-	< 0.005	-	-
PULPDUP	KL018905	-	< 0.005	-	-
PULPDUP	KL018915	-	0.006	-	-
PULPDUP	KL018930	-	< 0.005	-	-
PREPDUP	KL018935	-	< 0.005	-	-
PULPDUP	KL018939	-	0.018	-	-
PULPDUP	KL018949	-	< 0.005	-	-
PULPDUP	KL018964	-	0.007	-	-



Report No.: A22-10707
Report Date: 11-Aug-22
Date Submitted: 29-Jul-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

48 Rock samples were submitted for analysis.

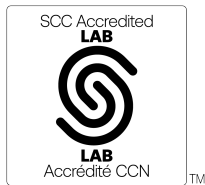
Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

REPORT A22-10707

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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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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 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	KL019187	1.42	< 0.005	-	-
ASSAY	KL019188	1.85	0.065	-	-
ASSAY	KL019189	1.09	0.285	-	-
ASSAY	KL019190	0.0660	0.324	-	-
ASSAY	KL019191	1.12	0.212	-	-
ASSAY	KL019192	1.03	0.013	-	-
ASSAY	KL019193	1.77	0.376	-	-
ASSAY	KL019194	1.67	0.177	-	-
ASSAY	KL019195	1.82	0.025	-	-
ASSAY	KL019196	2.95	0.010	-	-
ASSAY	KL019197	2.32	0.008	-	-
ASSAY	KL019198	2.20	0.027	-	-
ASSAY	KL019199	1.14	0.047	-	-
ASSAY	KL019200	1.11	< 0.005	-	-
ASSAY	KL019201	1.28	4.42	-	-
ASSAY	KL019202	1.13	0.025	-	-
ASSAY	KL019203	1.17	0.087	-	-
ASSAY	KL019204	1.14	0.541	-	-
ASSAY	KL019205	1.02	0.008	-	-
ASSAY	KL019206	1.16	< 0.005	-	-
ASSAY	KL019207	1.13	0.428	-	-
ASSAY	KL019208	1.13	< 0.005	-	-
ASSAY	KL019209	1.79	0.101	-	-
ASSAY	KL019210	0.0670	0.322	-	-
ASSAY	KL019211	-	0.712	-	-
ASSAY	KL019212	1.28	> 10.0	18.3	-
ASSAY	KL019213	1.14	1.25	-	-
ASSAY	KL019214	1.41	0.065	-	-
ASSAY	KL019215	1.64	0.064	-	-
ASSAY	KL019216	1.97	0.008	-	-
ASSAY	KL019217	2.30	0.006	-	-
ASSAY	KL019218	1.84	0.023	-	-
ASSAY	KL019219	1.61	0.094	-	-
ASSAY	KL019220	0.963	< 0.005	-	-
ASSAY	KL019221	2.00	0.053	-	-
ASSAY	KL019222	2.28	2.08	-	-
ASSAY	KL019223	2.20	0.039	-	-
ASSAY	KL019224	1.36	2.28	-	-
ASSAY	KL019225	0.933	0.060	-	-
ASSAY	KL019226	1.15	0.299	-	-
ASSAY	KL019227	1.43	0.013	-	-
ASSAY	KL019228	1.05	0.131	-	-
ASSAY	KL019229	1.16	0.022	-	-
ASSAY	KL019230	-	0.716	-	-
ASSAY	KL019231	1.24	0.539	-	-
ASSAY	KL019232	1.01	0.014	-	-
ASSAY	KL019233	1.35	0.024	-	-
ASSAY	KL019234	1.85	0.454	-	-
PULPDUP	KL019196	-	0.011	-	-
PULPDUP	KL019206	-	< 0.005	-	-
PULPDUP	KL019216	-	0.008	-	-
PULPDUP	KL019231	-	0.445	-	-



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

Report No.: A22-10710
 Report Date: 10-Aug-22
 Date Submitted: 29-Jul-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

92 Rock samples were submitted for analysis.

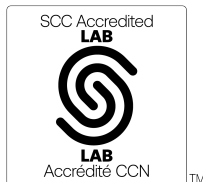
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-08-04 10:57:56
Weight Rpt (kg)-Timmins	Received Weights	2022-08-03 15:00:00

REPORT **A22-10710**

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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	KL019334	1.40	< 0.005	-	-
ASSAY	KL019335	2.56	0.037	-	-
ASSAY	KL019336	2.29	0.007	-	-
ASSAY	KL019337	1.96	0.029	-	-
ASSAY	KL019338	2.06	0.006	-	-
ASSAY	KL019339	2.21	0.008	-	-
ASSAY	KL019340	1.05	< 0.005	-	-
ASSAY	KL019341	2.09	0.008	-	-
ASSAY	KL019342	2.35	0.017	-	-
ASSAY	KL019343	1.88	0.027	-	-
ASSAY	KL019344	2.72	0.026	-	-
ASSAY	KL019345	2.34	0.019	-	-
ASSAY	KL019346	2.35	0.023	-	-
ASSAY	KL019347	2.47	0.030	-	-
ASSAY	KL019348	2.29	0.016	-	-
ASSAY	KL019349	1.65	0.011	-	-
ASSAY	KL019350	0.0660	0.724	-	-
ASSAY	KL019351	1.02	0.010	-	-
ASSAY	KL019352	2.51	0.010	-	-
ASSAY	KL019353	2.64	0.012	-	-
ASSAY	KL019354	2.31	0.005	-	-
ASSAY	KL019355	2.06	0.008	-	-
ASSAY	KL019356	2.14	0.005	-	-
ASSAY	KL019357	2.49	0.009	-	-
ASSAY	KL019358	2.37	< 0.005	-	-
ASSAY	KL019359	2.94	< 0.005	-	-
ASSAY	KL019360	1.03	< 0.005	-	-
ASSAY	KL019361	2.48	< 0.005	-	-
ASSAY	KL019362	2.36	0.008	-	-
ASSAY	KL019363	2.39	< 0.005	-	-
ASSAY	KL019364	1.22	0.012	-	-
ASSAY	KL019365	1.19	0.007	-	-
ASSAY	KL019366	1.06	0.008	-	-
ASSAY	KL019367	1.37	0.005	-	-
ASSAY	KL019368	1.68	0.006	-	-
ASSAY	KL019369	2.33	0.009	-	-
ASSAY	KL019370	0.0650	0.336	-	-
ASSAY	KL019371	2.53	0.010	-	-
ASSAY	KL019372	2.84	0.033	-	-
ASSAY	KL019373	2.78	0.011	-	-
ASSAY	KL019374	1.66	0.010	-	-
ASSAY	KL019375	3.39	< 0.005	-	-
ASSAY	KL019376	2.68	0.005	-	-
ASSAY	KL019377	1.95	0.715	-	-
ASSAY	KL019378	2.62	0.076	-	-
ASSAY	KL019379	2.48	0.026	-	-
ASSAY	KL019380	1.00	0.005	-	-
ASSAY	KL019381	2.31	0.007	-	-
ASSAY	KL019382	1.33	< 0.005	-	-
ASSAY	KL019383	1.14	8.49	-	-
ASSAY	KL019384	2.62	0.070	-	-
ASSAY	KL019385	2.22	0.049	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019386	2.51	0.017	-	-
ASSAY	KL019387	2.38	0.006	-	-
ASSAY	KL019388	2.62	0.009	-	-
ASSAY	KL019389	2.64	0.008	-	-
ASSAY	KL019390	1.29	0.700	-	-
ASSAY	KL019391	-	8.10	-	-
ASSAY	KL019392	1.33	0.092	-	-
ASSAY	KL019393	1.23	0.035	-	-
ASSAY	KL019394	1.24	0.222	-	-
ASSAY	KL019395	1.10	1.32	-	-
ASSAY	KL019396	1.84	0.006	-	-
ASSAY	KL019397	1.35	8.49	-	-
ASSAY	KL019398	0.941	0.058	-	-
ASSAY	KL019399	2.84	0.034	-	-
ASSAY	KL019400	1.11	0.006	-	-
ASSAY	KL019401	2.16	0.016	-	-
ASSAY	KL019402	2.36	< 0.005	-	-
ASSAY	KL019403	2.55	< 0.005	-	-
ASSAY	KL019404	2.50	< 0.005	-	-
ASSAY	KL019405	2.43	0.005	-	-
ASSAY	KL019406	2.62	0.006	-	-
ASSAY	KL019407	1.28	0.070	-	-
ASSAY	KL019408	1.27	0.020	-	-
ASSAY	KL019409	2.51	0.008	-	-
ASSAY	KL019410	-	0.324	-	-
ASSAY	KL019411	2.40	0.006	-	-
ASSAY	KL019412	2.55	0.006	-	-
ASSAY	KL019413	2.27	0.006	-	-
ASSAY	KL019414	1.79	0.079	-	-
ASSAY	KL019415	3.11	0.013	-	-
ASSAY	KL019416	2.40	0.018	-	-
ASSAY	KL019417	2.49	0.005	-	-
ASSAY	KL019418	-	0.022	-	-
ASSAY	KL019419	1.63	0.013	-	-
ASSAY	KL019420	1.02	0.007	-	-
ASSAY	KL019421	-	0.054	-	-
ASSAY	KL019422	1.25	0.025	-	-
ASSAY	KL019423	2.91	0.006	-	-
ASSAY	KL019424	-	< 0.005	-	-
ASSAY	KL019425	2.31	< 0.005	-	-
PULPDUP	KL019343	-	0.015	-	-
PULPDUP	KL019353	-	0.017	-	-
PULPDUP	KL019363	-	0.005	-	-
PULPDUP	KL019378	-	0.108	-	-
PREPDUP	KL019383	-	8.04	-	-
PULPDUP	KL019387	-	< 0.005	-	-
PULPDUP	KL019397	-	8.17	-	-
PULPDUP	KL019412	-	0.005	-	-
PULPDUP	KL019422	-	0.021	-	-



Report No.: A22-11223
Report Date: 29-Aug-22
Date Submitted: 09-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

100 Rock samples were submitted for analysis.

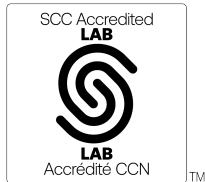
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-11223

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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 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	KL018974	1.16	0.015	-	-
ASSAY	KL018975	2.28	0.006	-	-
ASSAY	KL018976	2.66	0.005	-	-
ASSAY	KL018977	2.22	< 0.005	-	-
ASSAY	KL018978	2.44	< 0.005	-	-
ASSAY	KL018979	2.09	0.007	-	-
ASSAY	KL018980	0.0660	0.343	-	-
ASSAY	KL018981	2.32	< 0.005	-	-
ASSAY	KL018982	1.27	< 0.005	-	-
ASSAY	KL018983	1.30	0.032	-	-
ASSAY	KL018984	2.36	0.011	-	-
ASSAY	KL018985	2.47	0.005	-	-
ASSAY	KL018986	2.57	< 0.005	-	-
ASSAY	KL018987	2.06	0.012	-	-
ASSAY	KL018988	1.20	0.006	-	-
ASSAY	KL018989	1.76	0.010	-	-
ASSAY	KL018990	1.11	< 0.005	-	-
ASSAY	KL018991	1.70	0.006	-	-
ASSAY	KL018992	2.17	< 0.005	-	-
ASSAY	KL018993	2.84	< 0.005	-	-
ASSAY	KL018994	2.37	< 0.005	-	-
ASSAY	KL018995	2.40	< 0.005	-	-
ASSAY	KL018996	1.03	0.005	-	-
ASSAY	KL018997	1.38	0.006	-	-
ASSAY	KL018998	2.31	< 0.005	-	-
ASSAY	KL018999	2.13	< 0.005	-	-
ASSAY	KL019000	0.0660	0.768	-	-
ASSAY	KL019001	2.37	0.021	-	-
ASSAY	KL019002	2.38	0.008	-	-
ASSAY	KL019003	1.08	< 0.005	-	-
ASSAY	KL019004	1.10	0.013	-	-
ASSAY	KL019005	2.10	0.029	-	-
ASSAY	KL019006	1.88	< 0.005	-	-
ASSAY	KL019007	1.19	< 0.005	-	-
ASSAY	KL019008	0.954	0.029	-	-
ASSAY	KL019009	2.04	0.008	-	-
ASSAY	KL019010	0.913	< 0.005	-	-
ASSAY	KL019011	0.801	< 0.005	-	-
ASSAY	KL019012	1.45	0.011	-	-
ASSAY	KL019013	2.32	< 0.005	-	-
ASSAY	KL019014	2.18	< 0.005	-	-
ASSAY	KL019015	2.11	< 0.005	-	-
ASSAY	KL019016	2.12	0.006	-	-
ASSAY	KL019017	1.16	< 0.005	-	-
ASSAY	KL019018	1.51	0.006	-	-
ASSAY	KL019019	1.85	0.011	-	-
ASSAY	KL019020	0.0670	0.346	-	-
ASSAY	KL019021	1.68	0.005	-	-
ASSAY	KL019022	2.67	< 0.005	-	-
ASSAY	KL019023	2.43	< 0.005	-	-
ASSAY	KL019024	1.68	0.010	-	-
ASSAY	KL019025	2.26	0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019026	2.26	0.015	-	-
ASSAY	KL019027	2.28	< 0.005	-	-
ASSAY	KL019028	2.16	< 0.005	-	-
ASSAY	KL019029	2.19	< 0.005	-	-
ASSAY	KL019030	0.933	< 0.005	-	-
ASSAY	KL019031	2.23	< 0.005	-	-
ASSAY	KL019032	2.28	< 0.005	-	-
ASSAY	KL019033	2.34	< 0.005	-	-
ASSAY	KL019034	2.24	< 0.005	-	-
ASSAY	KL019035	2.34	0.010	-	-
ASSAY	KL019036	2.08	0.005	-	-
ASSAY	KL019037	2.32	< 0.005	-	-
ASSAY	KL019038	2.30	0.009	-	-
ASSAY	KL019039	2.35	< 0.005	-	-
ASSAY	KL019040	0.0680	0.336	-	-
ASSAY	KL019041	2.37	< 0.005	-	-
ASSAY	KL019042	1.25	0.005	-	-
ASSAY	KL019043	1.11	< 0.005	-	-
ASSAY	KL019044	3.20	0.005	-	-
ASSAY	KL019045	2.25	< 0.005	-	-
ASSAY	KL019046	2.25	0.005	-	-
ASSAY	KL019047	2.81	< 0.005	-	-
ASSAY	KL019048	2.39	0.009	-	-
ASSAY	KL019049	1.33	0.005	-	-
ASSAY	KL019050	1.01	< 0.005	-	-
ASSAY	KL019051	1.15	0.039	-	-
ASSAY	KL019052	2.17	0.006	-	-
ASSAY	KL019053	2.46	< 0.005	-	-
ASSAY	KL019054	1.18	0.007	-	-
ASSAY	KL019055	1.18	0.007	-	-
ASSAY	KL019056	1.28	0.189	-	-
ASSAY	KL019057	1.23	0.059	-	-
ASSAY	KL019058	1.92	0.117	-	-
ASSAY	KL019059	2.21	0.466	-	-
ASSAY	KL019060	0.0660	0.810	-	-
ASSAY	KL019061	2.61	0.007	-	-
ASSAY	KL019062	2.06	< 0.005	-	-
ASSAY	KL019063	2.29	0.240	-	-
ASSAY	KL019064	2.34	0.005	-	-
ASSAY	KL019065	2.32	< 0.005	-	-
ASSAY	KL019066	2.21	< 0.005	-	-
ASSAY	KL019067	2.58	< 0.005	-	-
ASSAY	KL019068	2.35	< 0.005	-	-
ASSAY	KL019069	2.33	0.013	-	-
ASSAY	KL019070	0.922	< 0.005	-	-
ASSAY	KL019071	1.54	0.006	-	-
ASSAY	KL019072	1.53	< 0.005	-	-
ASSAY	KL019073	1.52	< 0.005	-	-
PULPDUP	KL018976	-	< 0.005	-	-
PULPDUP	KL018987	-	0.030	-	-
PULPDUP	KL018997	-	< 0.005	-	-
PULPDUP	KL019017	-	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PREPDUP	KL019023	-	< 0.005	-	-
PULPDUP	KL019026	-	0.012	-	-
PULPDUP	KL019036	-	< 0.005	-	-
PULPDUP	KL019057	-	0.051	-	-
PULPDUP	KL019067	-	< 0.005	-	-
PREPDUP	KL019073	-	< 0.005	-	-



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

Report No.: A22-11442
 Report Date: 15-Aug-22
 Date Submitted: 11-Aug-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

28 Rock samples were submitted for analysis.

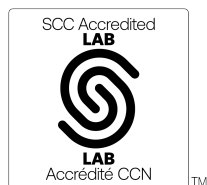
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-08-15 10:24:31
Weight Rpt (kg)-Timmins	Received Weights	2022-08-12 13:58:56

REPORT **A22-11442**

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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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 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	KL019426	2.77	< 0.005	-	-
ASSAY	KL019427	2.08	< 0.005	-	-
ASSAY	KL019428	2.67	0.037	-	-
ASSAY	KL019429	2.37	0.017	-	-
ASSAY	KL019430	0.0680	0.323	-	-
ASSAY	KL019431	2.43	0.097	-	-
ASSAY	KL019432	2.29	0.005	-	-
ASSAY	KL019433	2.14	< 0.005	-	-
ASSAY	KL019434	2.66	< 0.005	-	-
ASSAY	KL019435	2.33	< 0.005	-	-
ASSAY	KL019436	2.45	< 0.005	-	-
ASSAY	KL019437	2.70	< 0.005	-	-
ASSAY	KL019438	2.46	< 0.005	-	-
ASSAY	KL019439	2.73	0.005	-	-
ASSAY	KL019440	0.903	< 0.005	-	-
ASSAY	KL019441	2.47	0.005	-	-
ASSAY	KL019442	2.58	0.005	-	-
ASSAY	KL019443	2.40	< 0.005	-	-
ASSAY	KL019444	2.40	< 0.005	-	-
ASSAY	KL019445	2.39	< 0.005	-	-
ASSAY	KL019446	2.22	< 0.005	-	-
ASSAY	KL019447	1.89	0.021	-	-
ASSAY	KL019448	2.72	0.008	-	-
ASSAY	KL019449	2.83	0.366	-	-
ASSAY	KL019450	0.0680	0.766	-	-
ASSAY	KL019451	2.07	0.026	-	-
ASSAY	KL019452	2.49	0.005	-	-
ASSAY	KL019453	3.00	0.114	-	-
PULPDUP	KL019432	-	0.043	-	-
PULPDUP	KL019442	-	0.007	-	-
PULPDUP	KL019452	-	< 0.005	-	-



Report No.: A22-11445
Report Date: 17-Aug-22
Date Submitted: 11-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

88 Rock samples were submitted for analysis.

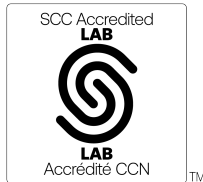
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-11445

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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:

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	KL019235	1.80	0.007	-	-
ASSAY	KL019236	1.64	0.020	-	-
ASSAY	KL019237	1.30	0.256	-	-
ASSAY	KL019238	1.97	0.050	-	-
ASSAY	KL019239	3.49	0.295	-	-
ASSAY	KL019240	1.21	< 0.005	-	-
ASSAY	KL019241	2.49	0.645	-	-
ASSAY	KL019242	1.42	0.714	-	-
ASSAY	KL019243	1.64	0.065	-	-
ASSAY	KL019244	1.90	0.172	-	-
ASSAY	KL019245	2.42	0.589	-	-
ASSAY	KL019246	2.35	0.027	-	-
ASSAY	KL019247	2.41	0.064	-	-
ASSAY	KL019248	1.31	0.506	-	-
ASSAY	KL019249	0.962	1.59	-	-
ASSAY	KL019250	0.0680	0.319	-	-
ASSAY	KL019251	2.13	0.078	-	-
ASSAY	KL019252	1.11	0.296	-	-
ASSAY	KL019253	1.28	0.011	-	-
ASSAY	KL019254	1.88	0.007	-	-
ASSAY	KL019255	2.29	0.005	-	-
ASSAY	KL019256	1.16	0.103	-	-
ASSAY	KL019257	2.36	0.007	-	-
ASSAY	KL019258	1.13	0.071	-	-
ASSAY	KL019259	1.37	0.006	-	-
ASSAY	KL019260	1.04	0.005	-	-
ASSAY	KL019261	1.01	1.51	-	-
ASSAY	KL019262	1.02	1.14	-	-
ASSAY	KL019263	2.00	0.008	-	-
ASSAY	KL019264	2.30	< 0.005	-	-
ASSAY	KL019265	1.28	0.005	-	-
ASSAY	KL019266	1.09	0.392	-	-
ASSAY	KL019267	2.30	0.006	-	-
ASSAY	KL019268	1.18	0.299	-	-
ASSAY	KL019269	0.967	0.011	-	-
ASSAY	KL019270	0.0680	0.313	-	-
ASSAY	KL019271	2.25	0.006	-	-
ASSAY	KL019272	1.33	0.134	-	-
ASSAY	KL019273	0.876	0.014	-	-
ASSAY	KL019274	1.29	0.838	-	-
ASSAY	KL019275	1.71	0.005	-	-
ASSAY	KL019276	1.77	0.032	-	-
ASSAY	KL019277	2.31	0.010	-	-
ASSAY	KL019278	1.98	0.006	-	-
ASSAY	KL019279	2.66	< 0.005	-	-
ASSAY	KL019280	0.914	< 0.005	-	-
ASSAY	KL019281	2.04	0.007	-	-
ASSAY	KL019282	1.22	0.006	-	-
ASSAY	KL019283	1.07	0.339	-	-
ASSAY	KL019284	1.06	1.78	-	-
ASSAY	KL019285	1.39	0.882	-	-
ASSAY	KL019286	1.98	0.013	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019287	1.15	0.006	-	-
ASSAY	KL019288	0.986	0.921	-	-
ASSAY	KL019289	2.32	0.009	-	-
ASSAY	KL019290	0.0680	0.738	-	-
ASSAY	KL019291	2.21	0.491	-	-
ASSAY	KL019292	2.28	0.019	-	-
ASSAY	KL019293	1.15	0.007	-	-
ASSAY	KL019294	1.14	0.005	-	-
ASSAY	KL019295	2.09	< 0.005	-	-
ASSAY	KL019296	2.20	0.069	-	-
ASSAY	KL019297	2.72	0.006	-	-
ASSAY	KL019298	2.00	< 0.005	-	-
ASSAY	KL019299	2.73	0.006	-	-
ASSAY	KL019300	0.967	< 0.005	-	-
ASSAY	KL019301	0.970	0.613	-	-
ASSAY	KL019302	0.783	0.005	-	-
ASSAY	KL019303	2.19	0.005	-	-
ASSAY	KL019304	2.48	0.014	-	-
ASSAY	KL019305	2.27	0.018	-	-
ASSAY	KL019306	2.13	0.020	-	-
ASSAY	KL019307	2.34	< 0.005	-	-
ASSAY	KL019308	1.14	0.083	-	-
ASSAY	KL019309	1.21	< 0.005	-	-
ASSAY	KL019310	0.0660	0.331	-	-
ASSAY	KL019311	1.17	< 0.005	-	-
ASSAY	KL019312	1.12	2.12	-	-
ASSAY	KL019313	2.48	1.05	-	-
ASSAY	KL019314	1.50	0.083	-	-
ASSAY	KL019315	0.937	0.079	-	-
ASSAY	KL019316	2.21	< 0.005	-	-
ASSAY	KL019317	1.33	0.011	-	-
ASSAY	KL019318	1.16	0.685	-	-
ASSAY	KL019319	2.53	0.011	-	-
ASSAY	KL019320	0.962	< 0.005	-	-
ASSAY	KL019321	2.16	0.265	-	-
ASSAY	KL019322	2.20	0.025	-	-
PULPDUP	KL019241	-	0.611	-	-
PULPDUP	KL019251	-	0.082	-	-
PULPDUP	KL019261	-	1.47	-	-
PULPDUP	KL019281	-	0.007	-	-
PREPDUP	KL019284	-	1.98	-	-
PULPDUP	KL019291	-	0.449	-	-
PULPDUP	KL019299	-	< 0.005	-	-
PULPDUP	KL019305	-	0.013	-	-
PULPDUP	KL019320	-	< 0.005	-	-



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

Report No.: A22-11533
 Report Date: 15-Aug-22
 Date Submitted: 12-Aug-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

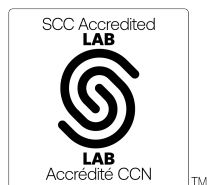
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-08-15 10:24:31
Weight Rpt (kg)-Timmins	Received Weights	2022-08-12 15:12:41

REPORT **A22-11533**

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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	KL019543	1.30	2.60	-	-
ASSAY	KL019544	1.39	0.479	-	-
ASSAY	KL019545	1.47	< 0.005	-	-
ASSAY	KL019546	1.34	< 0.005	-	-
ASSAY	KL019547	1.77	0.008	-	-
ASSAY	KL019548	1.84	0.207	-	-
ASSAY	KL019549	2.43	0.005	-	-
ASSAY	KL019550	0.0690	0.339	-	-
ASSAY	KL019551	2.54	0.059	-	-
ASSAY	KL019552	2.70	< 0.005	-	-
ASSAY	KL019553	1.65	< 0.005	-	-
ASSAY	KL019554	2.42	0.007	-	-
ASSAY	KL019555	2.51	0.005	-	-
ASSAY	KL019556	1.25	< 0.005	-	-
ASSAY	KL019557	1.61	< 0.005	-	-
ASSAY	KL019558	1.91	< 0.005	-	-
ASSAY	KL019559	1.63	0.009	-	-
ASSAY	KL019560	0.848	< 0.005	-	-
ASSAY	KL019561	1.07	1.69	-	-
ASSAY	KL019562	1.32	0.005	-	-
ASSAY	KL019563	1.25	< 0.005	-	-
ASSAY	KL019564	1.24	0.021	-	-
ASSAY	KL019565	1.30	0.007	-	-
ASSAY	KL019566	1.26	< 0.005	-	-
PULPDUP	KL019545	-	< 0.005	-	-
PULPDUP	KL019556	-	< 0.005	-	-
PULPDUP	KL019566	-	0.006	-	-



Report No.: A22-11537
Report Date: 16-Aug-22
Date Submitted: 12-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

30 Rock samples were submitted for analysis.

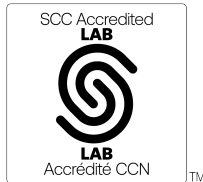
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-11537

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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	KL019567	1.20	0.008	-	-
ASSAY	KL019568	2.44	0.013	-	-
ASSAY	KL019569	2.17	< 0.005	-	-
ASSAY	KL019570	0.0660	0.745	-	-
ASSAY	KL019571	1.78	0.011	-	-
ASSAY	KL019572	1.21	0.016	-	-
ASSAY	KL019573	2.48	< 0.005	-	-
ASSAY	KL019574	2.14	0.005	-	-
ASSAY	KL019575	2.75	0.016	-	-
ASSAY	KL019576	2.57	< 0.005	-	-
ASSAY	KL019577	1.51	< 0.005	-	-
ASSAY	KL019578	2.49	< 0.005	-	-
ASSAY	KL019579	2.34	< 0.005	-	-
ASSAY	KL019580	0.905	< 0.005	-	-
ASSAY	KL019581	2.38	< 0.005	-	-
ASSAY	KL019582	2.55	0.005	-	-
ASSAY	KL019583	2.26	0.005	-	-
ASSAY	KL019584	2.49	< 0.005	-	-
ASSAY	KL019585	2.63	< 0.005	-	-
ASSAY	KL019586	1.12	< 0.005	-	-
ASSAY	KL019587	1.37	< 0.005	-	-
ASSAY	KL019588	2.22	< 0.005	-	-
ASSAY	KL019589	1.77	< 0.005	-	-
ASSAY	KL019590	0.0660	0.347	-	-
ASSAY	KL019591	2.63	0.007	-	-
ASSAY	KL019592	2.57	< 0.005	-	-
ASSAY	KL019593	2.37	< 0.005	-	-
ASSAY	KL019594	2.35	0.005	-	-
ASSAY	KL019595	2.44	0.006	-	-
ASSAY	KL019596	2.45	0.006	-	-
PULPDUP	KL019574	-	0.006	-	-
PULPDUP	KL019588	-	< 0.005	-	-



Report No.: A22-11540
Report Date: 16-Aug-22
Date Submitted: 12-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

89 Rock samples were submitted for analysis.

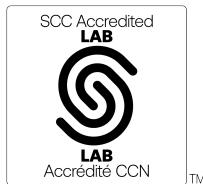
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-11540

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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:

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	KL019454	2.20	< 0.005	-	-
ASSAY	KL019455	2.43	< 0.005	-	-
ASSAY	KL019456	2.73	< 0.005	-	-
ASSAY	KL019457	2.24	< 0.005	-	-
ASSAY	KL019458	2.17	< 0.005	-	-
ASSAY	KL019459	2.39	0.009	-	-
ASSAY	KL019460	0.824	< 0.005	-	-
ASSAY	KL019461	2.44	< 0.005	-	-
ASSAY	KL019462	2.44	< 0.005	-	-
ASSAY	KL019463	1.15	< 0.005	-	-
ASSAY	KL019464	0.959	< 0.005	-	-
ASSAY	KL019465	1.20	< 0.005	-	-
ASSAY	KL019466	1.20	0.005	-	-
ASSAY	KL019467	1.10	0.015	-	-
ASSAY	KL019468	2.38	0.005	-	-
ASSAY	KL019469	1.47	0.007	-	-
ASSAY	KL019470	0.0660	0.325	-	-
ASSAY	KL019471	2.19	0.083	-	-
ASSAY	KL019472	2.47	< 0.005	-	-
ASSAY	KL019473	2.30	0.005	-	-
ASSAY	KL019474	2.40	0.005	-	-
ASSAY	KL019475	2.13	0.005	-	-
ASSAY	KL019476	1.30	0.005	-	-
ASSAY	KL019477	1.22	0.006	-	-
ASSAY	KL019478	2.48	< 0.005	-	-
ASSAY	KL019479	2.37	< 0.005	-	-
ASSAY	KL019480	0.983	< 0.005	-	-
ASSAY	KL019481	2.55	< 0.005	-	-
ASSAY	KL019482	2.42	< 0.005	-	-
ASSAY	KL019483	2.56	0.006	-	-
ASSAY	KL019484	2.60	< 0.005	-	-
ASSAY	KL019485	2.79	0.013	-	-
ASSAY	KL019486	1.71	0.009	-	-
ASSAY	KL019487	1.24	0.006	-	-
ASSAY	KL019488	1.89	0.012	-	-
ASSAY	KL019489	1.78	0.012	-	-
ASSAY	KL019490	0.0660	0.316	-	-
ASSAY	KL019491	2.59	0.037	-	-
ASSAY	KL019492	2.00	0.010	-	-
ASSAY	KL019493	2.62	0.029	-	-
ASSAY	KL019494	2.37	0.012	-	-
ASSAY	KL019495	3.38	0.008	-	-
ASSAY	KL019496	1.79	0.008	-	-
ASSAY	KL019497	2.52	0.007	-	-
ASSAY	KL019498	2.63	0.008	-	-
ASSAY	KL019499	2.61	0.007	-	-
ASSAY	KL019500	0.777	0.006	-	-
ASSAY	KL019501	2.78	0.005	-	-
ASSAY	KL019502	2.32	< 0.005	-	-
ASSAY	KL019503	1.34	0.011	-	-
ASSAY	KL019504	1.92	0.005	-	-
ASSAY	KL019505	3.02	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019506	2.22	< 0.005	-	-
ASSAY	KL019507	2.40	< 0.005	-	-
ASSAY	KL019508	2.70	< 0.005	-	-
ASSAY	KL019509	2.61	< 0.005	-	-
ASSAY	KL019510	0.0660	0.762	-	-
ASSAY	KL019511	2.55	< 0.005	-	-
ASSAY	KL019512	2.12	0.005	-	-
ASSAY	KL019513	2.55	0.005	-	-
ASSAY	KL019514	2.67	< 0.005	-	-
ASSAY	KL019515	2.35	0.007	-	-
ASSAY	KL019516	2.21	< 0.005	-	-
ASSAY	KL019517	2.49	< 0.005	-	-
ASSAY	KL019518	2.34	< 0.005	-	-
ASSAY	KL019519	2.23	< 0.005	-	-
ASSAY	KL019520	0.737	< 0.005	-	-
ASSAY	KL019521	2.56	0.016	-	-
ASSAY	KL019522	2.04	< 0.005	-	-
ASSAY	KL019523	2.83	< 0.005	-	-
ASSAY	KL019524	2.26	0.005	-	-
ASSAY	KL019525	2.41	0.007	-	-
ASSAY	KL019526	2.17	0.021	-	-
ASSAY	KL019527	1.56	0.006	-	-
ASSAY	KL019528	1.69	0.090	-	-
ASSAY	KL019529	1.46	0.006	-	-
ASSAY	KL019530	0.0660	0.344	-	-
ASSAY	KL019531	1.35	0.008	-	-
ASSAY	KL019532	1.14	0.013	-	-
ASSAY	KL019533	1.93	0.010	-	-
ASSAY	KL019534	2.78	0.022	-	-
ASSAY	KL019535	2.39	< 0.005	-	-
ASSAY	KL019536	1.19	< 0.005	-	-
ASSAY	KL019537	1.42	< 0.005	-	-
ASSAY	KL019538	2.51	< 0.005	-	-
ASSAY	KL019539	2.45	< 0.005	-	-
ASSAY	KL019540	0.709	< 0.005	-	-
ASSAY	KL019541	1.37	0.006	-	-
ASSAY	KL019542	1.84	< 0.005	-	-
PULPDUP	KL019456	-	< 0.005	-	-
PULPDUP	KL019467	-	0.013	-	-
PULPDUP	KL019477	-	0.006	-	-
PULPDUP	KL019497	-	0.009	-	-
PREPDUP	KL019503	-	0.014	-	-
PULPDUP	KL019506	-	< 0.005	-	-
PULPDUP	KL019516	-	< 0.005	-	-
PULPDUP	KL019537	-	< 0.005	-	-



Report No.: A22-11618
Report Date: 08-Sep-22
Date Submitted: 15-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

11 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.

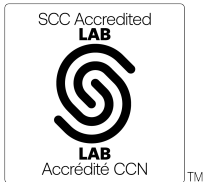
REPORT A22-11618

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Notes:

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

Footnote: These are the missing samples from A22-11445.



LabID: 709

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
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CERTIFIED BY:

Handwritten signature of Elitsa Hrischeva

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A22-11618

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019323	3.11	1.27	-	-
ASSAY	KL019324	2.18	0.137	-	-
ASSAY	KL019325	1.26	0.785	-	-
ASSAY	KL019326	1.78	0.492	-	-
ASSAY	KL019327	1.98	0.012	-	-
ASSAY	KL019328	2.81	< 0.005	-	-
ASSAY	KL019329	2.18	0.006	-	-
ASSAY	KL019330	0.0660	0.341	-	-
ASSAY	KL019331	2.39	< 0.005	-	-
ASSAY	KL019332	2.03	< 0.005	-	-
ASSAY	KL019333	1.47	0.009	-	-
PULPDUP	KL019332	-	< 0.005	-	-



Report No.: A22-12086
Report Date: 04-Oct-22
Date Submitted: 24-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

169 Rock samples were submitted for analysis.

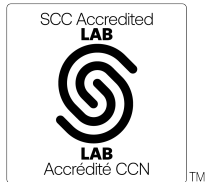
Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A22-12086

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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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CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019597	2.36	< 0.005	-	-
ASSAY	KL019598	2.42	< 0.005	-	-
ASSAY	KL019599	1.59	< 0.005	-	-
ASSAY	KL019600	1.30	< 0.005	-	-
ASSAY	KL019601	1.32	< 0.005	-	-
ASSAY	KL019602	1.97	< 0.005	-	-
ASSAY	KL019603	1.24	0.024	-	-
ASSAY	KL019604	1.49	< 0.005	-	-
ASSAY	KL019605	1.25	< 0.005	-	-
ASSAY	KL019606	1.30	< 0.005	-	-
ASSAY	KL019607	1.33	< 0.005	-	-
ASSAY	KL019608	1.94	< 0.005	-	-
ASSAY	KL019609	2.50	< 0.005	-	-
ASSAY	KL019610	0.0660	0.340	-	-
ASSAY	KL019611	2.66	< 0.005	-	-
ASSAY	KL019612	2.23	< 0.005	-	-
ASSAY	KL019613	2.39	< 0.005	-	-
ASSAY	KL019614	2.46	< 0.005	-	-
ASSAY	KL019615	2.41	< 0.005	-	-
ASSAY	KL019616	1.07	0.028	-	-
ASSAY	KL019617	1.21	0.015	-	-
ASSAY	KL019618	2.36	0.012	-	-
ASSAY	KL019619	1.21	0.009	-	-
ASSAY	KL019620	0.907	< 0.005	-	-
ASSAY	KL019621	0.797	0.186	-	-
ASSAY	KL019622	1.35	0.331	-	-
ASSAY	KL019623	1.65	0.026	-	-
ASSAY	KL019624	1.81	< 0.005	-	-
ASSAY	KL019625	2.00	0.023	-	-
ASSAY	KL019626	2.83	0.056	-	-
ASSAY	KL019627	1.26	0.067	-	-
ASSAY	KL019628	0.985	0.009	-	-
ASSAY	KL019629	2.45	< 0.005	-	-
ASSAY	KL019630	0.0660	0.324	-	-
ASSAY	KL019631	2.09	< 0.005	-	-
ASSAY	KL019632	2.41	< 0.005	-	-
ASSAY	KL019633	2.28	< 0.005	-	-
ASSAY	KL019634	2.66	< 0.005	-	-
ASSAY	KL019635	2.30	< 0.005	-	-
ASSAY	KL019636	2.21	< 0.005	-	-
ASSAY	KL019637	2.48	< 0.005	-	-
ASSAY	KL019638	2.39	< 0.005	-	-
ASSAY	KL019639	2.39	< 0.005	-	-
ASSAY	KL019640	0.879	< 0.005	-	-
ASSAY	KL019641	2.80	< 0.005	-	-
ASSAY	KL019642	2.53	0.006	-	-
ASSAY	KL019643	2.17	0.019	-	-
ASSAY	KL019644	2.39	0.013	-	-
ASSAY	KL019645	1.39	< 0.005	-	-
ASSAY	KL019646	2.47	< 0.005	-	-
ASSAY	KL019647	2.44	< 0.005	-	-
ASSAY	KL019648	2.25	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019649	1.21	< 0.005	-	-
ASSAY	KL019650	0.0660	0.799	-	-
ASSAY	KL019651	1.15	< 0.005	-	-
ASSAY	KL019652	1.14	< 0.005	-	-
ASSAY	KL019653	1.17	< 0.005	-	-
ASSAY	KL019654	2.48	< 0.005	-	-
ASSAY	KL019655	2.21	< 0.005	-	-
ASSAY	KL019656	2.33	0.005	-	-
ASSAY	KL019657	2.11	< 0.005	-	-
ASSAY	KL019658	2.48	< 0.005	-	-
ASSAY	KL019659	1.02	< 0.005	-	-
ASSAY	KL019660	0.988	< 0.005	-	-
ASSAY	KL019661	1.02	< 0.005	-	-
ASSAY	KL019662	2.06	< 0.005	-	-
ASSAY	KL019663	1.37	< 0.005	-	-
ASSAY	KL019664	1.32	0.019	-	-
ASSAY	KL019665	1.12	< 0.005	-	-
ASSAY	KL019666	1.47	< 0.005	-	-
ASSAY	KL019667	1.01	0.008	-	-
ASSAY	KL019668	1.02	< 0.005	-	-
ASSAY	KL019669	2.15	0.015	-	-
ASSAY	KL019670	0.0660	0.341	-	-
ASSAY	KL019671	2.37	< 0.005	-	-
ASSAY	KL019672	0.978	< 0.005	-	-
ASSAY	KL019673	1.11	< 0.005	-	-
ASSAY	KL019674	2.24	< 0.005	-	-
ASSAY	KL019675	2.33	< 0.005	-	-
ASSAY	KL019676	2.26	< 0.005	-	-
ASSAY	KL019677	2.08	< 0.005	-	-
ASSAY	KL019678	2.35	< 0.005	-	-
ASSAY	KL019679	2.22	< 0.005	-	-
ASSAY	KL019680	1.32	< 0.005	-	-
ASSAY	KL019681	2.59	< 0.005	-	-
ASSAY	KL019682	2.03	< 0.005	-	-
ASSAY	KL019683	2.68	0.013	-	-
ASSAY	KL019684	1.00	0.015	-	-
ASSAY	KL019685	1.07	0.024	-	-
ASSAY	KL019686	2.26	< 0.005	-	-
ASSAY	KL019687	2.40	< 0.005	-	-
ASSAY	KL019688	1.20	0.006	-	-
ASSAY	KL019689	2.27	< 0.005	-	-
ASSAY	KL019690	0.0660	0.328	-	-
ASSAY	KL019691	2.38	0.064	-	-
ASSAY	KL019692	2.33	< 0.005	-	-
ASSAY	KL019693	1.25	< 0.005	-	-
ASSAY	KL019694	0.964	0.129	-	-
ASSAY	KL019695	2.29	< 0.005	-	-
ASSAY	KL019696	2.39	0.493	-	-
ASSAY	KL019697	1.19	8.36	-	-
ASSAY	KL019698	1.19	0.116	-	-
ASSAY	KL019699	2.38	< 0.005	-	-
ASSAY	KL019700	0.948	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019701	2.35	< 0.005	-	-
ASSAY	KL019702	2.11	< 0.005	-	-
ASSAY	KL019703	2.07	< 0.005	-	-
ASSAY	KL019704	2.28	< 0.005	-	-
ASSAY	KL019705	2.73	< 0.005	-	-
ASSAY	KL019706	2.21	0.014	-	-
ASSAY	KL019707	1.98	< 0.005	-	-
ASSAY	KL019708	2.25	0.018	-	-
ASSAY	KL019709	2.42	0.044	-	-
ASSAY	KL019710	0.0660	0.759	-	-
ASSAY	KL019711	1.89	0.039	-	-
ASSAY	KL019712	1.71	0.166	-	-
ASSAY	KL019713	1.06	0.086	-	-
ASSAY	KL019714	2.29	0.560	-	-
ASSAY	KL019715	2.38	0.043	-	-
ASSAY	KL019716	1.14	0.145	-	-
ASSAY	KL019717	1.13	0.081	-	-
ASSAY	KL019718	1.32	0.225	-	-
ASSAY	KL019719	1.08	0.059	-	-
ASSAY	KL019720	1.08	< 0.005	-	-
ASSAY	KL019721	1.16	< 0.005	-	-
ASSAY	KL019722	1.51	0.014	-	-
ASSAY	KL019723	2.06	0.005	-	-
ASSAY	KL019724	2.33	0.005	-	-
ASSAY	KL019725	1.11	0.005	-	-
ASSAY	KL019726	2.34	0.005	-	-
ASSAY	KL019727	2.69	0.005	-	-
ASSAY	KL019728	1.20	0.020	-	-
ASSAY	KL019729	1.41	< 0.005	-	-
ASSAY	KL019730	0.0660	0.350	-	-
ASSAY	KL019731	2.17	0.640	-	-
ASSAY	KL019732	1.10	0.044	-	-
ASSAY	KL019733	2.43	0.030	-	-
ASSAY	KL019734	2.49	0.023	-	-
ASSAY	KL019735	1.90	0.051	-	-
ASSAY	KL019736	3.04	< 0.005	-	-
ASSAY	KL019737	2.31	1.13	-	-
ASSAY	KL019738	1.10	0.883	-	-
ASSAY	KL019739	1.19	0.006	-	-
ASSAY	KL019740	0.925	< 0.005	-	-
ASSAY	KL019741	2.39	< 0.005	-	-
ASSAY	KL019742	2.41	0.008	-	-
ASSAY	KL019743	2.16	< 0.005	-	-
ASSAY	KL019744	1.17	0.568	-	-
ASSAY	KL019745	1.11	0.450	-	-
ASSAY	KL019746	1.09	0.462	-	-
ASSAY	KL019747	1.17	0.079	-	-
ASSAY	KL019748	2.29	< 0.005	-	-
ASSAY	KL019749	2.15	0.928	-	-
ASSAY	KL019750	0.0660	0.331	-	-
ASSAY	KL019751	1.10	0.009	-	-
ASSAY	KL019752	1.15	0.100	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019753	2.40	0.046	-	-
ASSAY	KL019754	2.55	1.03	-	-
ASSAY	KL019755	2.38	0.168	-	-
ASSAY	KL019756	1.01	< 0.005	-	-
ASSAY	KL019757	1.90	< 0.005	-	-
ASSAY	KL019758	2.27	< 0.005	-	-
ASSAY	KL019759	2.33	0.007	-	-
ASSAY	KL019760	0.827	< 0.005	-	-
ASSAY	KL019761	2.38	0.005	-	-
ASSAY	KL019762	2.07	< 0.005	-	-
ASSAY	KL019763	1.05	0.729	-	-
ASSAY	KL019764	1.06	0.168	-	-
ASSAY	KL019765	1.92	0.005	-	-
PULPDUP	KL019605	-	< 0.005	-	-
PULPDUP	KL019615	-	< 0.005	-	-
PULPDUP	KL019625	-	0.032	-	-
PULPDUP	KL019632	-	< 0.005	-	-
PULPDUP	KL019644	-	0.009	-	-
PREPDUP	KL019646	-	< 0.005	-	-
PULPDUP	KL019653	-	< 0.005	-	-
PULPDUP	KL019669	-	0.011	-	-
PULPDUP	KL019678	-	< 0.005	-	-
PULPDUP	KL019688	-	0.005	-	-
PREPDUP	KL019696	-	0.575	-	-
PULPDUP	KL019701	-	< 0.005	-	-
PULPDUP	KL019716	-	0.144	-	-
PULPDUP	KL019733	-	0.032	-	-
PULPDUP	KL019737	-	1.10	-	-
PREPDUP	KL019746	-	0.444	-	-
PREPDUP	KL019746	-	0.444	-	-
PULPDUP	KL019761	-	< 0.005	-	-



Report No.: A22-12087
Report Date: 29-Sep-22
Date Submitted: 24-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

17 Rock samples were submitted for analysis.

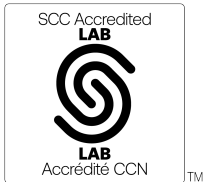
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Includes rows for 1A2-Timmins (10g/m t) and Weight Rpt (kg)-Timmins.

REPORT A22-12087

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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]

Rob Hoffman
Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019842	2.44	0.010	-	-
ASSAY	KL019843	2.83	0.008	-	-
ASSAY	KL019844	2.43	0.009	-	-
ASSAY	KL019845	2.55	0.010	-	-
ASSAY	KL019846	2.36	0.065	-	-
ASSAY	KL019847	1.57	0.075	-	-
ASSAY	KL019848	1.57	8.29	-	-
ASSAY	KL019849	2.24	0.050	-	-
ASSAY	KL019850	0.0670	0.350	-	-
ASSAY	KL019851	2.20	0.017	-	-
ASSAY	KL019852	2.44	0.005	-	-
ASSAY	KL019853	2.68	0.005	-	-
ASSAY	KL019854	2.47	0.008	-	-
ASSAY	KL019855	1.37	0.142	-	-
ASSAY	KL019856	1.15	0.011	-	-
ASSAY	KL019857	2.40	0.007	-	-
ASSAY	KL019858	2.65	< 0.005	-	-
PULPDUP	KL019851	-	0.007	-	-



Report No.: A22-12495
Report Date: 04-Sep-22
Date Submitted: 26-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

61 Rock samples were submitted for analysis.

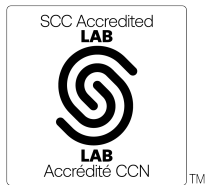
Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

REPORT A22-12495

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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]

Elitsa Hrischeva, 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	KL020351	1.29	0.258	-	-
ASSAY	KL020352	1.05	0.024	-	-
ASSAY	KL020353	2.40	0.073	-	-
ASSAY	KL020354	0.913	0.007	-	-
ASSAY	KL020355	1.43	0.959	-	-
ASSAY	KL020356	1.21	0.324	-	-
ASSAY	KL020357	1.40	0.637	-	-
ASSAY	KL020358	1.31	1.79	-	-
ASSAY	KL020359	1.20	0.009	-	-
ASSAY	KL020360	0.0680	0.759	-	-
ASSAY	KL020361	1.90	0.011	-	-
ASSAY	KL020362	2.37	0.040	-	-
ASSAY	KL020363	2.47	0.015	-	-
ASSAY	KL020364	1.16	0.136	-	-
ASSAY	KL020365	1.23	< 0.005	-	-
ASSAY	KL020366	2.29	0.005	-	-
ASSAY	KL020367	2.28	0.029	-	-
ASSAY	KL020368	1.09	0.005	-	-
ASSAY	KL020369	1.79	0.005	-	-
ASSAY	KL020370	1.25	< 0.005	-	-
ASSAY	KL020371	1.42	0.009	-	-
ASSAY	KL020372	2.26	0.005	-	-
ASSAY	KL020373	0.633	4.93	-	-
ASSAY	KL020374	1.50	0.331	-	-
ASSAY	KL020375	1.91	0.093	-	-
ASSAY	KL020376	1.21	0.573	-	-
ASSAY	KL020377	0.988	0.078	-	-
ASSAY	KL020378	1.22	0.267	-	-
ASSAY	KL020379	0.952	2.31	-	-
ASSAY	KL020380	0.0680	0.338	-	-
ASSAY	KL020381	2.03	0.029	-	-
ASSAY	KL020382	2.30	0.032	-	-
ASSAY	KL020383	1.33	0.227	-	-
ASSAY	KL020384	0.940	0.040	-	-
ASSAY	KL020385	1.21	0.234	-	-
ASSAY	KL020386	1.15	0.010	-	-
ASSAY	KL020387	1.15	0.245	-	-
ASSAY	KL020388	1.14	0.018	-	-
ASSAY	KL020389	2.19	0.042	-	-
ASSAY	KL020390	1.32	< 0.005	-	-
ASSAY	KL020391	2.35	0.176	-	-
ASSAY	KL020392	1.09	1.07	-	-
ASSAY	KL020393	1.09	0.009	-	-
ASSAY	KL020394	1.28	0.494	-	-
ASSAY	KL020395	1.42	0.084	-	-
ASSAY	KL020396	2.51	0.006	-	-
ASSAY	KL020397	1.26	0.911	-	-
ASSAY	KL020398	1.12	< 0.005	-	-
ASSAY	KL020399	1.18	0.599	-	-
ASSAY	KL020400	0.0680	0.344	-	-
ASSAY	KL020401	0.873	0.007	-	-
ASSAY	KL020402	2.25	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL020403	1.19	0.031	-	-
ASSAY	KL020404	1.13	< 0.005	-	-
ASSAY	KL020405	1.88	< 0.005	-	-
ASSAY	KL020406	2.28	0.005	-	-
ASSAY	KL020407	1.17	0.467	-	-
ASSAY	KL020408	1.17	< 0.005	-	-
ASSAY	KL020409	0.982	> 10.0	14.5	-
ASSAY	KL020410	1.11	0.006	-	-
ASSAY	KL020411	2.42	0.195	-	-
PULPDUP	KL020367	-	0.023	-	-
PULPDUP	KL020377	-	0.073	-	-
PREPDUP	KL020399	-	0.634	-	-
PULPDUP	KL020406	-	0.005	-	-



Report No.: A22-12496
Report Date: 21-Sep-22
Date Submitted: 26-Aug-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

112 Rock samples were submitted for analysis.

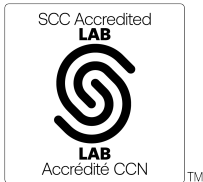
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-12496

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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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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

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019889	2.37	< 0.005	-	-
ASSAY	KL019890	0.0660	0.752	-	-
ASSAY	KL019891	2.19	0.005	-	-
ASSAY	KL019892	2.41	< 0.005	-	-
ASSAY	KL019893	2.43	0.009	-	-
ASSAY	KL019894	2.18	< 0.005	-	-
ASSAY	KL019895	2.12	< 0.005	-	-
ASSAY	KL019896	1.22	< 0.005	-	-
ASSAY	KL019897	1.16	0.009	-	-
ASSAY	KL019898	1.11	< 0.005	-	-
ASSAY	KL019899	1.10	< 0.005	-	-
ASSAY	KL019900	0.842	< 0.005	-	-
ASSAY	KL019901	2.18	0.005	-	-
ASSAY	KL019902	2.24	0.008	-	-
ASSAY	KL019903	2.27	0.005	-	-
ASSAY	KL019904	2.64	0.005	-	-
ASSAY	KL019905	2.33	0.006	-	-
ASSAY	KL019906	2.25	< 0.005	-	-
ASSAY	KL019907	2.36	< 0.005	-	-
ASSAY	KL019908	2.25	0.005	-	-
ASSAY	KL019909	1.45	0.006	-	-
ASSAY	KL019910	0.0660	0.330	-	-
ASSAY	KL019911	1.11	< 0.005	-	-
ASSAY	KL019912	2.14	0.011	-	-
ASSAY	KL019913	0.786	0.045	-	-
ASSAY	KL019914	1.78	< 0.005	-	-
ASSAY	KL019915	2.38	< 0.005	-	-
ASSAY	KL019916	2.27	< 0.005	-	-
ASSAY	KL019917	2.47	0.005	-	-
ASSAY	KL019918	2.72	< 0.005	-	-
ASSAY	KL019919	2.63	< 0.005	-	-
ASSAY	KL019920	1.39	< 0.005	-	-
ASSAY	KL019921	1.15	0.006	-	-
ASSAY	KL019922	1.34	< 0.005	-	-
ASSAY	KL019923	2.87	< 0.005	-	-
ASSAY	KL019924	2.30	< 0.005	-	-
ASSAY	KL019925	1.21	< 0.005	-	-
ASSAY	KL019926	1.21	< 0.005	-	-
ASSAY	KL019927	1.01	< 0.005	-	-
ASSAY	KL019928	2.45	0.005	-	-
ASSAY	KL019929	2.31	< 0.005	-	-
ASSAY	KL019930	0.0660	0.336	-	-
ASSAY	KL019931	2.55	< 0.005	-	-
ASSAY	KL019932	2.37	0.007	-	-
ASSAY	KL019933	1.81	0.014	-	-
ASSAY	KL019934	2.90	< 0.005	-	-
ASSAY	KL019935	2.42	< 0.005	-	-
ASSAY	KL019936	2.36	< 0.005	-	-
ASSAY	KL019937	2.58	0.006	-	-
ASSAY	KL019938	2.27	0.005	-	-
ASSAY	KL019939	1.15	< 0.005	-	-
ASSAY	KL019940	1.49	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019941	1.29	< 0.005	-	-
ASSAY	KL019942	2.51	0.012	-	-
ASSAY	KL019943	2.27	0.020	-	-
ASSAY	KL019944	2.53	< 0.005	-	-
ASSAY	KL019945	2.35	< 0.005	-	-
ASSAY	KL019946	2.34	< 0.005	-	-
ASSAY	KL019947	2.70	< 0.005	-	-
ASSAY	KL019948	2.86	< 0.005	-	-
ASSAY	KL019949	2.48	< 0.005	-	-
ASSAY	KL019950	0.0660	0.763	-	-
ASSAY	KL019951	2.41	0.014	-	-
ASSAY	KL019952	2.60	0.009	-	-
ASSAY	KL019953	2.47	< 0.005	-	-
ASSAY	KL019954	2.23	0.014	-	-
ASSAY	KL019955	2.27	0.013	-	-
ASSAY	KL019956	2.42	0.007	-	-
ASSAY	KL019957	2.40	0.005	-	-
ASSAY	KL019958	2.17	0.008	-	-
ASSAY	KL019959	2.28	0.021	-	-
ASSAY	KL019960	1.71	< 0.005	-	-
ASSAY	KL019961	2.13	0.032	-	-
ASSAY	KL019962	2.46	0.005	-	-
ASSAY	KL019963	2.10	0.014	-	-
ASSAY	KL019964	2.15	0.010	-	-
ASSAY	KL019965	1.19	0.708	-	-
ASSAY	KL019966	1.13	0.015	-	-
ASSAY	KL019967	1.05	0.185	-	-
ASSAY	KL019968	1.08	0.016	-	-
ASSAY	KL019969	2.27	0.025	-	-
ASSAY	KL019970	0.0660	0.337	-	-
ASSAY	KL019971	2.07	0.009	-	-
ASSAY	KL019972	2.38	0.029	-	-
ASSAY	KL019973	2.37	0.012	-	-
ASSAY	KL019974	2.20	< 0.005	-	-
ASSAY	KL019975	2.28	0.013	-	-
ASSAY	KL019976	1.33	0.372	-	-
ASSAY	KL019977	1.15	0.006	-	-
ASSAY	KL019978	2.13	0.010	-	-
ASSAY	KL019979	2.15	0.376	-	-
ASSAY	KL019980	1.53	< 0.005	-	-
ASSAY	KL019981	1.25	< 0.005	-	-
ASSAY	KL019982	0.888	0.044	-	-
ASSAY	KL019983	1.11	0.016	-	-
ASSAY	KL019984	1.12	0.009	-	-
ASSAY	KL019985	2.09	0.025	-	-
ASSAY	KL019986	2.24	0.095	-	-
ASSAY	KL019987	2.54	0.032	-	-
ASSAY	KL019988	2.34	0.005	-	-
ASSAY	KL019989	2.44	0.010	-	-
ASSAY	KL019990	0.0660	0.339	-	-
ASSAY	KL019991	2.27	0.014	-	-
ASSAY	KL019992	2.28	0.011	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019993	2.35	0.014	-	-
ASSAY	KL019994	2.37	0.050	-	-
ASSAY	KL019995	2.39	0.019	-	-
ASSAY	KL019996	1.39	0.008	-	-
ASSAY	KL019997	1.86	0.070	-	-
ASSAY	KL019998	1.82	< 0.005	-	-
ASSAY	KL019999	2.32	0.057	-	-
ASSAY	KL020000	1.85	< 0.005	-	-
PULPDUP	KL019898	-	0.005	-	-
PULPDUP	KL019908	-	0.005	-	-
PULPDUP	KL019918	-	0.011	-	-
PULPDUP	KL019933	-	0.014	-	-
PREPDUP	KL019938	-	0.005	-	-
PULPDUP	KL019943	-	0.009	-	-
PULPDUP	KL019953	-	< 0.005	-	-
PULPDUP	KL019968	-	0.005	-	-
PULPDUP	KL019978	-	0.009	-	-
PREPDUP	KL019988	-	0.007	-	-
PULPDUP	KL019989	-	0.010	-	-



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

Report No.: A22-12497
 Report Date: 27-Sep-22
 Date Submitted: 26-Aug-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

65 Rock samples were submitted for analysis.

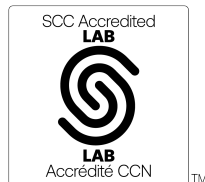
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-09-26 17:47:48
Weight Rpt (kg)-Timmins	Received Weights	2022-08-31 22:07:09

REPORT A22-12497

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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:

Mark Vandergeest
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019766	1.98	0.008	-	-
ASSAY	KL019767	0.880	0.024	-	-
ASSAY	KL019768	1.69	< 0.005	-	-
ASSAY	KL019769	3.39	< 0.005	-	-
ASSAY	KL019770	0.0660	0.761	-	-
ASSAY	KL019771	2.53	0.019	-	-
ASSAY	KL019772	1.35	0.015	-	-
ASSAY	KL019773	1.63	0.018	-	-
ASSAY	KL019774	2.56	< 0.005	-	-
ASSAY	KL019775	2.53	< 0.005	-	-
ASSAY	KL019776	2.51	0.034	-	-
ASSAY	KL019777	2.99	< 0.005	-	-
ASSAY	KL019778	2.61	0.005	-	-
ASSAY	KL019779	2.68	< 0.005	-	-
ASSAY	KL019780	0.964	< 0.005	-	-
ASSAY	KL019781	2.83	0.007	-	-
ASSAY	KL019782	2.37	< 0.005	-	-
ASSAY	KL019783	2.38	< 0.005	-	-
ASSAY	KL019784	2.15	< 0.005	-	-
ASSAY	KL019785	2.23	< 0.005	-	-
ASSAY	KL019786	2.53	< 0.005	-	-
ASSAY	KL019787	2.22	< 0.005	-	-
ASSAY	KL019788	2.30	0.059	-	-
ASSAY	KL019789	2.42	0.023	-	-
ASSAY	KL019790	0.0660	0.304	-	-
ASSAY	KL019791	2.43	< 0.005	-	-
ASSAY	KL019792	2.42	0.005	-	-
ASSAY	KL019793	2.30	< 0.005	-	-
ASSAY	KL019794	2.32	0.005	-	-
ASSAY	KL019795	2.38	< 0.005	-	-
ASSAY	KL019796	2.20	< 0.005	-	-
ASSAY	KL019797	2.29	0.006	-	-
ASSAY	KL019798	2.21	< 0.005	-	-
ASSAY	KL019799	2.86	< 0.005	-	-
ASSAY	KL019800	1.10	< 0.005	-	-
ASSAY	KL019801	2.28	< 0.005	-	-
ASSAY	KL019802	2.47	< 0.005	-	-
ASSAY	KL019803	2.52	0.006	-	-
ASSAY	KL019804	2.60	< 0.005	-	-
ASSAY	KL019805	2.15	< 0.005	-	-
ASSAY	KL019806	2.35	< 0.005	-	-
ASSAY	KL019807	2.77	0.007	-	-
ASSAY	KL019808	2.61	0.005	-	-
ASSAY	KL019809	2.48	< 0.005	-	-
ASSAY	KL019810	0.0660	0.335	-	-
ASSAY	KL019811	2.32	0.007	-	-
ASSAY	KL019812	1.26	< 0.005	-	-
ASSAY	KL019813	1.86	0.007	-	-
ASSAY	KL019814	2.64	< 0.005	-	-
ASSAY	KL019815	2.55	< 0.005	-	-
ASSAY	KL019816	1.11	< 0.005	-	-
ASSAY	KL019817	1.58	0.011	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019818	2.31	< 0.005	-	-
ASSAY	KL019819	1.38	< 0.005	-	-
ASSAY	KL019820	0.967	< 0.005	-	-
ASSAY	KL019821	1.03	0.035	-	-
ASSAY	KL019822	1.38	0.083	-	-
ASSAY	KL019823	1.25	0.008	-	-
ASSAY	KL019824	2.40	< 0.005	-	-
ASSAY	KL019825	2.37	< 0.005	-	-
ASSAY	KL019826	2.46	< 0.005	-	-
ASSAY	KL019827	2.91	< 0.005	-	-
ASSAY	KL019828	1.23	0.005	-	-
ASSAY	KL019829	1.01	< 0.005	-	-
ASSAY	KL019830	0.0660	0.761	-	-
PULPDUP	KL019774	-	< 0.005	-	-
PULPDUP	KL019784	-	< 0.005	-	-
PULPDUP	KL019794	-	< 0.005	-	-
PULPDUP	KL019801	-	< 0.005	-	-
PULPDUP	KL019813	-	0.009	-	-
PULPDUP	KL019823	-	< 0.005	-	-



Report No.: A22-12562
Report Date: 03-Sep-22
Date Submitted: 01-Sep-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

20 Rock samples were submitted for analysis.

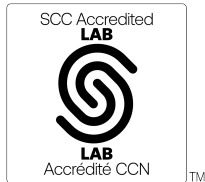
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-12562

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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]

Rob Hoffman
Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL020454	2.37	< 0.005	-	-
ASSAY	KL020455	1.15	1.03	-	-
ASSAY	KL020456	1.76	0.007	-	-
ASSAY	KL020457	2.33	< 0.005	-	-
ASSAY	KL020458	2.27	< 0.005	-	-
ASSAY	KL020459	2.02	< 0.005	-	-
ASSAY	KL020460	0.0680	0.327	-	-
ASSAY	KL020461	2.36	0.015	-	-
ASSAY	KL020462	2.13	0.016	-	-
ASSAY	KL020463	1.33	0.253	-	-
ASSAY	KL020464	0.995	< 0.005	-	-
ASSAY	KL020465	2.47	0.012	-	-
ASSAY	KL020466	2.18	0.008	-	-
ASSAY	KL020467	2.19	< 0.005	-	-
ASSAY	KL020468	2.37	< 0.005	-	-
ASSAY	KL020469	1.18	0.284	-	-
ASSAY	KL020470	1.67	< 0.005	-	-
ASSAY	KL020471	1.07	0.869	-	-
ASSAY	KL020472	1.34	0.031	-	-
ASSAY	KL020473	1.10	< 0.005	-	-
PULPDUP	KL020461	-	0.013	-	-
PULPDUP	KL020470	-	< 0.005	-	-



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

Report No.: A22-12564
 Report Date: 04-Sep-22
 Date Submitted: 01-Sep-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

41 Rock samples were submitted for analysis.

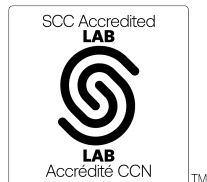
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-09-04 19:30:11
Weight Rpt (kg)-Timmins	Received Weights	2022-09-01 12:09:39

REPORT **A22-12564**

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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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 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:

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	KL019859	2.69	0.013	-	-
ASSAY	KL019860	1.10	0.009	-	-
ASSAY	KL019861	2.66	0.012	-	-
ASSAY	KL019862	1.22	0.025	-	-
ASSAY	KL019863	1.18	0.013	-	-
ASSAY	KL019864	2.27	0.013	-	-
ASSAY	KL019865	1.83	0.012	-	-
ASSAY	KL019866	1.67	0.012	-	-
ASSAY	KL019867	1.28	0.005	-	-
ASSAY	KL019868	2.49	0.006	-	-
ASSAY	KL019869	1.25	0.006	-	-
ASSAY	KL019870	0.0690	0.352	-	-
ASSAY	KL019871	0.974	0.006	-	-
ASSAY	KL019872	2.23	0.005	-	-
ASSAY	KL019873	2.18	0.006	-	-
ASSAY	KL019874	2.55	0.005	-	-
ASSAY	KL019875	1.10	0.007	-	-
ASSAY	KL019876	1.11	0.053	-	-
ASSAY	KL019877	2.17	0.009	-	-
ASSAY	KL019878	2.34	0.007	-	-
ASSAY	KL019879	2.01	0.007	-	-
ASSAY	KL019880	1.38	0.005	-	-
ASSAY	KL019881	2.06	0.007	-	-
ASSAY	KL019882	2.47	0.006	-	-
ASSAY	KL019883	2.11	0.023	-	-
ASSAY	KL019884	2.33	0.008	-	-
ASSAY	KL019885	2.47	0.013	-	-
ASSAY	KL019886	2.22	0.007	-	-
ASSAY	KL019887	2.50	0.025	-	-
ASSAY	KL019888	2.11	0.007	-	-
ASSAY	KL019831	2.27	0.008	-	-
ASSAY	KL019832	2.89	0.009	-	-
ASSAY	KL019833	2.25	0.019	-	-
ASSAY	KL019834	1.13	0.009	-	-
ASSAY	KL019835	1.22	0.208	-	-
ASSAY	KL019836	2.23	0.022	-	-
ASSAY	KL019837	2.30	0.015	-	-
ASSAY	KL019838	1.37	0.011	-	-
ASSAY	KL019839	1.27	0.009	-	-
ASSAY	KL019840	1.13	0.008	-	-
ASSAY	KL019841	2.16	0.012	-	-
PULPDUP	KL019861	-	0.011	-	-
PULPDUP	KL019872	-	0.006	-	-
PULPDUP	KL019882	-	0.007	-	-



Report No.: A22-12567
Report Date: 30-Sep-22
Date Submitted: 01-Sep-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

42 Rock samples were submitted for analysis.

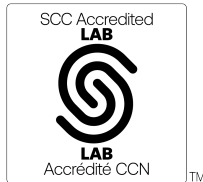
Table with 3 columns: Analytical package requested, Description, Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-12567

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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	KL020412	2.27	0.019	-	-
ASSAY	KL020413	2.14	0.017	-	-
ASSAY	KL020414	2.34	0.012	-	-
ASSAY	KL020415	1.47	0.013	-	-
ASSAY	KL020416	1.86	0.088	-	-
ASSAY	KL020417	0.936	0.023	-	-
ASSAY	KL020418	1.26	0.089	-	-
ASSAY	KL020419	1.09	0.178	-	-
ASSAY	KL020420	0.0670	0.783	-	-
ASSAY	KL020421	1.04	0.013	-	-
ASSAY	KL020422	1.07	0.032	-	-
ASSAY	KL020423	1.20	0.012	-	-
ASSAY	KL020424	1.50	0.182	-	-
ASSAY	KL020425	1.08	0.013	-	-
ASSAY	KL020426	1.05	0.857	-	-
ASSAY	KL020427	1.22	0.216	-	-
ASSAY	KL020428	1.30	0.324	-	-
ASSAY	KL020429	1.92	0.109	-	-
ASSAY	KL020430	1.53	0.005	-	-
ASSAY	KL020431	2.34	0.015	-	-
ASSAY	KL020432	1.30	0.021	-	-
ASSAY	KL020433	1.20	0.975	-	-
ASSAY	KL020434	2.23	0.008	-	-
ASSAY	KL020435	2.74	0.170	-	-
ASSAY	KL020436	2.12	0.006	-	-
ASSAY	KL020437	1.17	0.048	-	-
ASSAY	KL020438	1.25	4.15	-	-
ASSAY	KL020439	2.27	0.011	-	-
ASSAY	KL020440	0.0680	0.324	-	-
ASSAY	KL020441	2.42	0.119	-	-
ASSAY	KL020442	2.18	0.008	-	-
ASSAY	KL020443	2.34	0.035	-	-
ASSAY	KL020444	2.44	0.113	-	-
ASSAY	KL020445	2.37	0.015	-	-
ASSAY	KL020446	2.21	0.405	-	-
ASSAY	KL020447	1.22	0.158	-	-
ASSAY	KL020448	1.31	0.402	-	-
ASSAY	KL020449	2.29	0.093	-	-
ASSAY	KL020450	1.56	< 0.005	-	-
ASSAY	KL020451	2.21	0.014	-	-
ASSAY	KL020452	2.39	0.020	-	-
ASSAY	KL020453	1.79	1.13	-	-
PULPDUP	KL020414	-	0.013	-	-
PULPDUP	KL020434	-	0.005	-	-



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

Report No.: A22-12688
 Report Date: 07-Sep-22
 Date Submitted: 06-Sep-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

30 Rock samples were submitted for analysis.

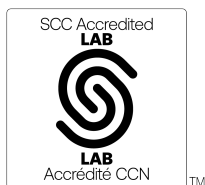
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-09-07 10:56:32
Weight Rpt (kg)-Timmins	Received Weights	2022-09-06 11:24:28

REPORT **A22-12688**

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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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 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:

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	KL025202	2.63	0.024	-	-
ASSAY	KL025203	1.06	2.27	-	-
ASSAY	KL025204	1.07	0.767	-	-
ASSAY	KL025205	1.19	0.050	-	-
ASSAY	KL025206	0.947	0.005	-	-
ASSAY	KL025207	1.19	0.016	-	-
ASSAY	KL025208	1.56	0.006	-	-
ASSAY	KL025209	1.82	0.007	-	-
ASSAY	KL025210	0.0670	0.352	-	-
ASSAY	KL025211	2.42	0.006	-	-
ASSAY	KL025212	2.25	< 0.005	-	-
ASSAY	KL025213	1.88	0.006	-	-
ASSAY	KL025214	2.38	0.007	-	-
ASSAY	KL025215	1.18	0.014	-	-
ASSAY	KL025216	1.25	0.012	-	-
ASSAY	KL025217	2.57	0.008	-	-
ASSAY	KL025218	2.11	0.025	-	-
ASSAY	KL025219	2.38	0.006	-	-
ASSAY	KL025220	1.45	< 0.005	-	-
ASSAY	KL025221	2.56	0.019	-	-
ASSAY	KL025222	1.14	0.060	-	-
ASSAY	KL025223	1.28	1.07	-	-
ASSAY	KL025224	1.31	7.92	-	-
ASSAY	KL025225	1.14	0.014	-	-
ASSAY	KL025226	2.38	0.018	-	-
ASSAY	KL025227	2.50	0.009	-	-
ASSAY	KL025228	1.28	0.010	-	-
ASSAY	KL025229	1.18	0.013	-	-
ASSAY	KL025230	0.0670	0.340	-	-
ASSAY	KL025231	1.36	0.006	-	-
PULPDUP	KL025211	-	0.009	-	-
PULPDUP	KL025221	-	0.036	-	-
PULPDUP	KL025231	-	0.006	-	-



Report No.: A22-12941
Report Date: 29-Sep-22
Date Submitted: 09-Sep-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

63 Rock samples were submitted for analysis.

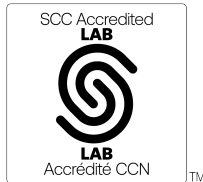
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-12941

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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 Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019074	3.11	< 0.005	-	-
ASSAY	KL019075	1.76	0.009	-	-
ASSAY	KL019076	2.39	< 0.005	-	-
ASSAY	KL019077	2.13	< 0.005	-	-
ASSAY	KL019078	1.36	< 0.005	-	-
ASSAY	KL019079	1.52	< 0.005	-	-
ASSAY	KL019080	0.0670	0.334	-	-
ASSAY	KL019081	1.73	0.021	-	-
ASSAY	KL019082	2.39	< 0.005	-	-
ASSAY	KL019083	2.38	< 0.005	-	-
ASSAY	KL019084	2.32	< 0.005	-	-
ASSAY	KL019085	2.01	< 0.005	-	-
ASSAY	KL019086	2.82	< 0.005	-	-
ASSAY	KL019087	2.38	< 0.005	-	-
ASSAY	KL019088	1.05	< 0.005	-	-
ASSAY	KL019089	1.39	< 0.005	-	-
ASSAY	KL019090	0.868	< 0.005	-	-
ASSAY	KL019091	2.17	< 0.005	-	-
ASSAY	KL019092	1.20	< 0.005	-	-
ASSAY	KL019093	1.21	0.208	-	-
ASSAY	KL019094	2.33	< 0.005	-	-
ASSAY	KL019095	2.73	< 0.005	-	-
ASSAY	KL019096	2.53	< 0.005	-	-
ASSAY	KL019097	1.21	< 0.005	-	-
ASSAY	KL019098	1.72	< 0.005	-	-
ASSAY	KL019099	1.82	< 0.005	-	-
ASSAY	KL019100	0.0670	0.321	-	-
ASSAY	KL019151	1.90	< 0.005	-	-
ASSAY	KL019152	2.31	< 0.005	-	-
ASSAY	KL019153	2.36	< 0.005	-	-
ASSAY	KL019154	2.27	< 0.005	-	-
ASSAY	KL019155	2.05	< 0.005	-	-
ASSAY	KL019156	2.56	< 0.005	-	-
ASSAY	KL019157	2.24	< 0.005	-	-
ASSAY	KL019158	2.25	0.020	-	-
ASSAY	KL019159	2.68	< 0.005	-	-
ASSAY	KL019160	0.984	< 0.005	-	-
ASSAY	KL019161	1.56	< 0.005	-	-
ASSAY	KL019162	1.67	< 0.005	-	-
ASSAY	KL019163	1.80	< 0.005	-	-
ASSAY	KL019164	377	< 0.005	-	-
ASSAY	KL019165	2.23	< 0.005	-	-
ASSAY	KL019166	2.29	< 0.005	-	-
ASSAY	KL019167	2.23	< 0.005	-	-
ASSAY	KL019168	1.93	< 0.005	-	-
ASSAY	KL019169	2.18	< 0.005	-	-
ASSAY	KL019170	0.0670	0.745	-	-
ASSAY	KL019171	1.24	0.008	-	-
ASSAY	KL019172	1.48	< 0.005	-	-
ASSAY	KL019173	2.53	< 0.005	-	-
ASSAY	KL019174	2.25	< 0.005	-	-
ASSAY	KL019175	2.86	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL019176	1.90	< 0.005	-	-
ASSAY	KL019177	2.37	< 0.005	-	-
ASSAY	KL019178	2.18	< 0.005	-	-
ASSAY	KL019179	2.50	< 0.005	-	-
ASSAY	KL019180	1.01	< 0.005	-	-
ASSAY	KL019181	2.34	< 0.005	-	-
ASSAY	KL019182	2.11	< 0.005	-	-
ASSAY	KL019183	2.52	0.006	-	-
ASSAY	KL019184	2.43	< 0.005	-	-
ASSAY	KL019185	2.90	< 0.005	-	-
ASSAY	KL019186	0.965	0.016	-	-
PULPDUP	KL019090	-	< 0.005	-	-
PREPDUP	KL019173	-	< 0.005	-	-
PULPDUP	KL019179	-	< 0.005	-	-



Report No.: A22-13299
 Report Date: 20-Sep-22
 Date Submitted: 15-Sep-22
 Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

35 Rock samples were submitted for analysis.

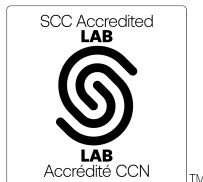
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-09-19 07:51:12
1A3-Timmins	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-09-20 12:07:31
Weight Rpt (kg)-Timmins	Received Weights	2022-09-20 13:53:29

REPORT A22-13299

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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:

Mark Vandergeest
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL025334	1.42	0.009	-	-
ASSAY	KL025335	2.26	0.010	-	-
ASSAY	KL025336	2.19	0.015	-	-
ASSAY	KL025337	0.993	0.013	-	-
ASSAY	KL025338	1.22	0.010	-	-
ASSAY	KL025339	1.28	0.017	-	-
ASSAY	KL025340	1.01	< 0.005	-	-
ASSAY	KL025341	1.45	0.013	-	-
ASSAY	KL025342	1.16	0.061	-	-
ASSAY	KL025343	2.03	0.009	-	-
ASSAY	KL025344	1.20	< 0.005	-	-
ASSAY	KL025345	2.74	< 0.005	-	-
ASSAY	KL025346	1.38	2.29	-	-
ASSAY	KL025347	2.94	0.008	-	-
ASSAY	KL025348	2.52	0.005	-	-
ASSAY	KL025349	1.14	0.007	-	-
ASSAY	KL025350	0.0670	0.333	-	-
ASSAY	KL025351	1.22	0.006	-	-
ASSAY	KL025352	2.28	< 0.005	-	-
ASSAY	KL025353	2.15	< 0.005	-	-
ASSAY	KL025354	1.62	0.007	-	-
ASSAY	KL025355	1.78	0.006	-	-
ASSAY	KL025356	1.18	0.008	-	-
ASSAY	KL025357	1.87	< 0.005	-	-
ASSAY	KL025358	2.50	< 0.005	-	-
ASSAY	KL025359	1.56	0.033	-	-
ASSAY	KL025360	0.987	< 0.005	-	-
ASSAY	KL025361	0.871	0.186	-	-
ASSAY	KL025362	1.46	0.109	-	-
ASSAY	KL025363	1.77	0.006	-	-
ASSAY	KL025364	1.87	0.564	-	-
ASSAY	KL025365	1.10	0.005	-	-
ASSAY	KL025366	1.09	0.650	-	-
ASSAY	KL025367	1.60	> 10.0	19.5	-
ASSAY	KL025368	4.37	0.170	-	-
PULPDUP	KL025336	-	0.048	-	-
PULPDUP	KL025347	-	0.007	-	-
PULPDUP	KL025357	-	< 0.005	-	-



Report No.: A22-13302
 Report Date: 20-Sep-22
 Date Submitted: 15-Sep-22
 Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

78 Rock samples were submitted for analysis.

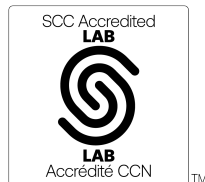
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-09-20 12:45:24
Weight Rpt (kg)-Timmins	Received Weights	2022-09-16 11:31:22

REPORT **A22-13302**

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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:

Rob Hoffman
 Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025369	2.27	0.014	-	-
ASSAY	KL025370	0.0670	0.729	-	-
ASSAY	KL025371	1.28	0.018	-	-
ASSAY	KL025372	1.69	0.018	-	-
ASSAY	KL025373	1.58	0.021	-	-
ASSAY	KL025374	1.30	0.029	-	-
ASSAY	KL025375	1.05	0.026	-	-
ASSAY	KL025376	2.10	0.019	-	-
ASSAY	KL025377	1.38	0.040	-	-
ASSAY	KL025378	1.37	0.029	-	-
ASSAY	KL025379	1.26	0.879	-	-
ASSAY	KL025380	0.999	< 0.005	-	-
ASSAY	KL025381	1.08	0.005	-	-
ASSAY	KL025382	1.26	0.006	-	-
ASSAY	KL025383	1.79	0.008	-	-
ASSAY	KL025384	2.08	0.006	-	-
ASSAY	KL025385	2.74	0.007	-	-
ASSAY	KL025386	2.07	0.007	-	-
ASSAY	KL025387	1.61	0.006	-	-
ASSAY	KL025388	2.46	0.010	-	-
ASSAY	KL025389	2.36	0.007	-	-
ASSAY	KL025390	0.0670	0.331	-	-
ASSAY	KL025391	2.67	0.008	-	-
ASSAY	KL025392	1.08	0.009	-	-
ASSAY	KL025393	2.44	0.010	-	-
ASSAY	KL025394	2.40	0.009	-	-
ASSAY	KL025395	2.47	0.010	-	-
ASSAY	KL025396	2.17	< 0.005	-	-
ASSAY	KL025397	2.51	< 0.005	-	-
ASSAY	KL025398	2.51	< 0.005	-	-
ASSAY	KL025399	2.35	< 0.005	-	-
ASSAY	KL025400	0.980	< 0.005	-	-
ASSAY	KL025401	2.81	< 0.005	-	-
ASSAY	KL025402	0.957	< 0.005	-	-
ASSAY	KL025403	1.42	0.019	-	-
ASSAY	KL025404	1.10	0.005	-	-
ASSAY	KL025405	1.18	< 0.005	-	-
ASSAY	KL025406	2.53	0.005	-	-
ASSAY	KL025407	2.48	0.005	-	-
ASSAY	KL025408	2.46	0.005	-	-
ASSAY	KL025409	2.32	0.006	-	-
ASSAY	KL025410	0.0670	0.331	-	-
ASSAY	KL025411	2.32	0.006	-	-
ASSAY	KL025412	2.37	0.008	-	-
ASSAY	KL025413	2.23	0.015	-	-
ASSAY	KL025414	2.48	0.010	-	-
ASSAY	KL025415	2.30	0.012	-	-
ASSAY	KL025416	2.34	0.009	-	-
ASSAY	KL025417	1.44	0.007	-	-
ASSAY	KL025418	1.68	0.009	-	-
ASSAY	KL025419	1.75	< 0.005	-	-
ASSAY	KL025420	1.12	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025421	1.87	0.023	-	-
ASSAY	KL025422	1.05	0.039	-	-
ASSAY	KL025423	1.12	0.092	-	-
ASSAY	KL025424	1.95	< 0.005	-	-
ASSAY	KL025425	1.34	< 0.005	-	-
ASSAY	KL025426	2.50	< 0.005	-	-
ASSAY	KL025427	2.28	< 0.005	-	-
ASSAY	KL025428	2.34	< 0.005	-	-
ASSAY	KL025429	2.37	0.005	-	-
ASSAY	KL025430	0.0670	0.743	-	-
ASSAY	KL025431	2.44	< 0.005	-	-
ASSAY	KL025432	2.52	< 0.005	-	-
ASSAY	KL025433	2.37	0.008	-	-
ASSAY	KL025434	2.35	< 0.005	-	-
ASSAY	KL025435	2.36	0.005	-	-
ASSAY	KL025436	2.51	0.009	-	-
ASSAY	KL025437	2.39	0.007	-	-
ASSAY	KL025438	1.62	0.005	-	-
ASSAY	KL025439	3.22	0.005	-	-
ASSAY	KL025440	1.03	0.005	-	-
ASSAY	KL025441	1.32	0.005	-	-
ASSAY	KL025442	2.80	0.014	-	-
ASSAY	KL025443	1.62	0.008	-	-
ASSAY	KL025444	2.40	0.006	-	-
ASSAY	KL025445	2.42	0.008	-	-
ASSAY	KL025446	2.11	0.015	-	-
PULPDUP	KL025387	-	0.007	-	-
PULPDUP	KL025397	-	< 0.005	-	-
PULPDUP	KL025404	-	0.006	-	-
PULPDUP	KL025416	-	0.007	-	-
PREPDUP	KL025418	-	0.007	-	-
PULPDUP	KL025425	-	< 0.005	-	-
PULPDUP	KL025441	-	0.006	-	-



Report No.: A22-13305
Report Date: 23-Sep-22
Date Submitted: 15-Sep-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

180 Rock samples were submitted for analysis.

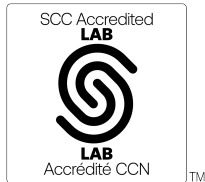
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Includes rows for 1A2-Timmins (10g/m t) and Weight Rpt (kg)-Timmins.

REPORT A22-13305

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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]

Rob Hoffman
Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL020474	0.711	< 0.005	-	-
ASSAY	KL020475	0.889	0.500	-	-
ASSAY	KL020476	1.71	< 0.005	-	-
ASSAY	KL020477	1.88	< 0.005	-	-
ASSAY	KL020478	1.67	< 0.005	-	-
ASSAY	KL020479	0.729	0.349	-	-
ASSAY	KL020480	0.0670	0.765	-	-
ASSAY	KL020481	0.649	0.053	-	-
ASSAY	KL020482	1.93	< 0.005	-	-
ASSAY	KL020483	2.20	0.012	-	-
ASSAY	KL020484	1.62	0.772	-	-
ASSAY	KL020485	1.87	< 0.005	-	-
ASSAY	KL020486	1.89	0.005	-	-
ASSAY	KL020487	0.693	< 0.005	-	-
ASSAY	KL020488	0.793	0.546	-	-
ASSAY	KL020489	1.38	< 0.005	-	-
ASSAY	KL020490	1.10	< 0.005	-	-
ASSAY	KL020491	1.03	0.645	-	-
ASSAY	KL020492	1.26	0.413	-	-
ASSAY	KL020493	1.30	0.762	-	-
ASSAY	KL020494	2.37	0.022	-	-
ASSAY	KL020495	1.89	0.014	-	-
ASSAY	KL020496	1.79	0.022	-	-
ASSAY	KL020497	1.15	0.089	-	-
ASSAY	KL020498	1.44	0.021	-	-
ASSAY	KL020499	1.37	0.099	-	-
ASSAY	KL020500	0.0670	0.337	-	-
ASSAY	KL025151	1.43	0.054	-	-
ASSAY	KL025152	1.25	0.123	-	-
ASSAY	KL025153	1.14	0.079	-	-
ASSAY	KL025154	1.43	< 0.005	-	-
ASSAY	KL025155	0.965	< 0.005	-	-
ASSAY	KL025156	1.54	0.008	-	-
ASSAY	KL025157	1.74	0.017	-	-
ASSAY	KL025158	1.87	0.006	-	-
ASSAY	KL025159	1.21	< 0.005	-	-
ASSAY	KL025160	1.19	< 0.005	-	-
ASSAY	KL025161	2.10	0.043	-	-
ASSAY	KL025162	2.49	0.005	-	-
ASSAY	KL025163	2.34	0.022	-	-
ASSAY	KL025164	2.36	0.248	-	-
ASSAY	KL025165	2.46	< 0.005	-	-
ASSAY	KL025166	2.29	0.005	-	-
ASSAY	KL025167	2.50	0.119	-	-
ASSAY	KL025168	2.29	< 0.005	-	-
ASSAY	KL025169	2.43	< 0.005	-	-
ASSAY	KL025170	0.0670	0.323	-	-
ASSAY	KL025171	2.63	0.017	-	-
ASSAY	KL025172	2.70	< 0.005	-	-
ASSAY	KL025173	2.32	< 0.005	-	-
ASSAY	KL025174	2.52	< 0.005	-	-
ASSAY	KL025175	1.42	< 0.005	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	KL025176	1.03	0.016	-	-
ASSAY	KL025177	2.62	0.016	-	-
ASSAY	KL025178	2.46	0.036	-	-
ASSAY	KL025179	2.59	0.011	-	-
ASSAY	KL025180	1.04	< 0.005	-	-
ASSAY	KL025181	2.23	< 0.005	-	-
ASSAY	KL025182	2.38	0.010	-	-
ASSAY	KL025183	2.54	0.005	-	-
ASSAY	KL025184	2.38	< 0.005	-	-
ASSAY	KL025185	1.18	< 0.005	-	-
ASSAY	KL025186	2.03	0.011	-	-
ASSAY	KL025187	1.34	< 0.005	-	-
ASSAY	KL025188	2.43	< 0.005	-	-
ASSAY	KL025189	2.28	< 0.005	-	-
ASSAY	KL025190	0.0670	0.786	-	-
ASSAY	KL025191	1.17	0.009	-	-
ASSAY	KL025192	1.13	< 0.005	-	-
ASSAY	KL025193	1.98	< 0.005	-	-
ASSAY	KL025194	2.40	< 0.005	-	-
ASSAY	KL025195	2.18	< 0.005	-	-
ASSAY	KL025196	2.53	< 0.005	-	-
ASSAY	KL025197	1.18	< 0.005	-	-
ASSAY	KL025198	1.11	< 0.005	-	-
ASSAY	KL025199	1.13	0.018	-	-
ASSAY	KL025200	1.41	< 0.005	-	-
ASSAY	KL025201	1.14	< 0.005	-	-
ASSAY	KL025232	2.36	< 0.005	-	-
ASSAY	KL025233	4.28	0.010	-	-
ASSAY	KL025234	0.790	< 0.005	-	-
ASSAY	KL025235	0.703	< 0.005	-	-
ASSAY	KL025236	2.41	0.008	-	-
ASSAY	KL025237	1.02	0.006	-	-
ASSAY	KL025238	0.990	2.07	-	-
ASSAY	KL025239	2.38	0.031	-	-
ASSAY	KL025240	1.01	< 0.005	-	-
ASSAY	KL025241	2.45	< 0.005	-	-
ASSAY	KL025242	2.48	< 0.005	-	-
ASSAY	KL025243	2.20	< 0.005	-	-
ASSAY	KL025244	2.31	< 0.005	-	-
ASSAY	KL025245	2.49	< 0.005	-	-
ASSAY	KL025246	2.52	< 0.005	-	-
ASSAY	KL025247	2.63	0.021	-	-
ASSAY	KL025248	2.29	< 0.005	-	-
ASSAY	KL025249	1.16	< 0.005	-	-
ASSAY	KL025250	0.0670	0.764	-	-
ASSAY	KL025251	1.38	< 0.005	-	-
ASSAY	KL025252	2.47	0.007	-	-
ASSAY	KL025253	2.51	< 0.005	-	-
ASSAY	KL025254	2.57	0.005	-	-
ASSAY	KL025255	1.10	0.035	-	-
ASSAY	KL025256	1.77	< 0.005	-	-
ASSAY	KL025257	1.69	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025258	2.46	0.017	-	-
ASSAY	KL025259	2.14	< 0.005	-	-
ASSAY	KL025260	1.03	< 0.005	-	-
ASSAY	KL025261	2.37	< 0.005	-	-
ASSAY	KL025262	2.23	< 0.005	-	-
ASSAY	KL025263	0.969	< 0.005	-	-
ASSAY	KL025264	1.12	< 0.005	-	-
ASSAY	KL025265	2.18	< 0.005	-	-
ASSAY	KL025266	2.37	0.007	-	-
ASSAY	KL025267	2.27	< 0.005	-	-
ASSAY	KL025268	2.82	0.011	-	-
ASSAY	KL025269	3.19	< 0.005	-	-
ASSAY	KL025270	0.0670	0.332	-	-
ASSAY	KL025271	2.32	< 0.005	-	-
ASSAY	KL025272	2.31	< 0.005	-	-
ASSAY	KL025273	1.29	< 0.005	-	-
ASSAY	KL025274	1.23	0.020	-	-
ASSAY	KL025275	2.69	< 0.005	-	-
ASSAY	KL025276	2.68	0.005	-	-
ASSAY	KL025277	2.41	< 0.005	-	-
ASSAY	KL025278	1.06	< 0.005	-	-
ASSAY	KL025279	2.33	< 0.005	-	-
ASSAY	KL025280	1.00	< 0.005	-	-
ASSAY	KL025281	1.56	< 0.005	-	-
ASSAY	KL025282	2.28	< 0.005	-	-
ASSAY	KL025283	2.86	< 0.005	-	-
ASSAY	KL025284	2.54	< 0.005	-	-
ASSAY	KL025285	2.43	0.018	-	-
ASSAY	KL025286	2.67	< 0.005	-	-
ASSAY	KL025287	2.50	< 0.005	-	-
ASSAY	KL025288	1.18	2.58	-	-
ASSAY	KL025289	1.10	0.011	-	-
ASSAY	KL025290	0.0670	0.330	-	-
ASSAY	KL025291	2.43	< 0.005	-	-
ASSAY	KL025292	2.50	< 0.005	-	-
ASSAY	KL025293	2.33	< 0.005	-	-
ASSAY	KL025294	1.16	0.011	-	-
ASSAY	KL025295	1.85	< 0.005	-	-
ASSAY	KL025296	1.49	0.010	-	-
ASSAY	KL025297	2.47	< 0.005	-	-
ASSAY	KL025298	2.62	< 0.005	-	-
ASSAY	KL025299	1.22	< 0.005	-	-
ASSAY	KL025300	1.02	< 0.005	-	-
ASSAY	KL025301	1.05	0.007	-	-
ASSAY	KL025302	1.17	0.007	-	-
ASSAY	KL025303	1.36	< 0.005	-	-
ASSAY	KL025304	2.45	< 0.005	-	-
ASSAY	KL025305	2.27	< 0.005	-	-
ASSAY	KL025306	2.12	< 0.005	-	-
ASSAY	KL025307	2.56	< 0.005	-	-
ASSAY	KL025308	2.32	< 0.005	-	-
ASSAY	KL025309	2.54	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025310	0.0670	0.771	-	-
ASSAY	KL025311	2.58	< 0.005	-	-
ASSAY	KL025312	2.46	< 0.005	-	-
ASSAY	KL025313	2.08	< 0.005	-	-
ASSAY	KL025314	2.03	< 0.005	-	-
ASSAY	KL025315	2.01	< 0.005	-	-
ASSAY	KL025316	2.27	< 0.005	-	-
ASSAY	KL025317	2.41	0.014	-	-
ASSAY	KL025318	2.52	0.116	-	-
ASSAY	KL025319	2.58	0.086	-	-
ASSAY	KL025320	0.983	0.007	-	-
ASSAY	KL025321	2.31	< 0.005	-	-
ASSAY	KL025322	2.84	0.012	-	-
ASSAY	KL025323	2.24	0.264	-	-
ASSAY	KL025324	1.50	< 0.005	-	-
ASSAY	KL025325	1.41	0.035	-	-
ASSAY	KL025326	2.54	0.107	-	-
ASSAY	KL025327	2.56	0.376	-	-
ASSAY	KL025328	2.31	0.012	-	-
ASSAY	KL025329	2.36	0.033	-	-
ASSAY	KL025330	0.0670	0.328	-	-
ASSAY	KL025331	2.40	0.014	-	-
ASSAY	KL025332	2.38	0.008	-	-
ASSAY	KL025333	2.51	0.052	-	-
PULPDUP	KL020482	-	< 0.005	-	-
PULPDUP	KL025152	-	0.143	-	-
PULPDUP	KL025159	-	< 0.005	-	-
PULPDUP	KL025171	-	0.019	-	-
PREPDUP	KL025173	-	< 0.005	-	-
PULPDUP	KL025180	-	< 0.005	-	-
PULPDUP	KL025196	-	< 0.005	-	-
PULPDUP	KL025235	-	< 0.005	-	-
PULPDUP	KL025245	-	0.016	-	-
PULPDUP	KL025259	-	< 0.005	-	-
PREPDUP	KL025273	-	< 0.005	-	-
PULPDUP	KL025274	-	0.024	-	-
PULPDUP	KL025291	-	< 0.005	-	-
PULPDUP	KL025294	-	0.011	-	-
PULPDUP	KL025304	-	< 0.005	-	-
PULPDUP	KL025319	-	0.108	-	-
PULPDUP	KL025333	-	0.048	-	-



Report No.: A22-14167
Report Date: 26-Oct-22
Date Submitted: 03-Oct-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

127 Rock samples were submitted for analysis.

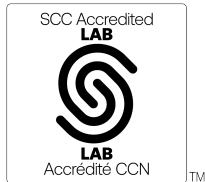
Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A22-14167

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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]

Rob Hoffman
Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032075	2.14	0.007	-	-
ASSAY	KL032076	1.02	0.018	-	-
ASSAY	KL032077	0.747	0.010	-	-
ASSAY	KL032078	1.44	0.014	-	-
ASSAY	KL032079	1.11	0.011	-	-
ASSAY	KL032080	1.11	0.005	-	-
ASSAY	KL032081	1.13	0.010	-	-
ASSAY	KL032082	1.71	0.015	-	-
ASSAY	KL032083	1.61	0.005	-	-
ASSAY	KL032084	2.19	0.005	-	-
ASSAY	KL032085	2.65	0.007	-	-
ASSAY	KL032086	1.66	0.012	-	-
ASSAY	KL032087	2.32	< 0.005	-	-
ASSAY	KL032088	2.38	< 0.005	-	-
ASSAY	KL032089	1.39	0.038	-	-
ASSAY	KL032090	0.0670	0.320	-	-
ASSAY	KL032091	1.13	0.019	-	-
ASSAY	KL032092	1.34	< 0.005	-	-
ASSAY	KL032093	1.59	< 0.005	-	-
ASSAY	KL032094	1.24	0.014	-	-
ASSAY	KL032095	0.895	0.014	-	-
ASSAY	KL032096	2.00	0.014	-	-
ASSAY	KL032097	1.33	0.005	-	-
ASSAY	KL032098	1.83	0.064	-	-
ASSAY	KL032099	1.81	< 0.005	-	-
ASSAY	KL032100	1.11	0.006	-	-
ASSAY	KL032101	1.16	< 0.005	-	-
ASSAY	KL032102	1.07	0.007	-	-
ASSAY	KL032103	1.11	0.050	-	-
ASSAY	KL032104	1.52	0.005	-	-
ASSAY	KL032105	1.89	0.009	-	-
ASSAY	KL032106	1.09	0.012	-	-
ASSAY	KL032107	0.922	0.023	-	-
ASSAY	KL032108	1.34	0.008	-	-
ASSAY	KL032109	1.19	0.006	-	-
ASSAY	KL032110	0.0670	0.751	-	-
ASSAY	KL032111	1.98	0.006	-	-
ASSAY	KL032112	1.23	0.008	-	-
ASSAY	KL032113	1.99	0.015	-	-
ASSAY	KL032114	2.12	0.007	-	-
ASSAY	KL032115	2.13	0.009	-	-
ASSAY	KL032116	1.91	0.007	-	-
ASSAY	KL032117	2.13	0.006	-	-
ASSAY	KL032118	2.14	0.007	-	-
ASSAY	KL032119	2.18	0.008	-	-
ASSAY	KL032120	1.29	0.005	-	-
ASSAY	KL032121	1.26	0.019	-	-
ASSAY	KL032122	1.28	0.016	-	-
ASSAY	KL032123	2.10	0.010	-	-
ASSAY	KL032124	0.942	0.009	-	-
ASSAY	KL032125	2.30	0.005	-	-
ASSAY	KL032126	2.15	0.006	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032127	2.02	< 0.005	-	-
ASSAY	KL032128	1.53	< 0.005	-	-
ASSAY	KL032129	1.93	0.005	-	-
ASSAY	KL032130	0.0670	0.332	-	-
ASSAY	KL032131	2.27	0.010	-	-
ASSAY	KL032132	2.32	0.006	-	-
ASSAY	KL032133	2.14	0.005	-	-
ASSAY	KL032134	2.28	0.012	-	-
ASSAY	KL032135	2.26	0.015	-	-
ASSAY	KL032136	2.20	< 0.005	-	-
ASSAY	KL032137	2.22	0.005	-	-
ASSAY	KL032138	2.23	0.005	-	-
ASSAY	KL032139	1.90	< 0.005	-	-
ASSAY	KL032140	0.861	< 0.005	-	-
ASSAY	KL032141	2.28	0.061	-	-
ASSAY	KL032142	2.26	0.013	-	-
ASSAY	KL032143	2.30	0.013	-	-
ASSAY	KL032144	2.16	0.010	-	-
ASSAY	KL032145	2.32	0.011	-	-
ASSAY	KL032146	2.20	0.011	-	-
ASSAY	KL032147	2.17	0.015	-	-
ASSAY	KL032148	1.07	0.044	-	-
ASSAY	KL032149	1.06	0.047	-	-
ASSAY	KL032150	0.0670	0.319	-	-
ASSAY	KL032151	1.39	0.014	-	-
ASSAY	KL032152	1.86	0.010	-	-
ASSAY	KL032153	2.28	0.007	-	-
ASSAY	KL032154	2.43	< 0.005	-	-
ASSAY	KL032155	1.08	0.005	-	-
ASSAY	KL032156	2.08	< 0.005	-	-
ASSAY	KL032157	2.55	< 0.005	-	-
ASSAY	KL032158	2.05	0.006	-	-
ASSAY	KL032159	2.14	< 0.005	-	-
ASSAY	KL032160	0.962	< 0.005	-	-
ASSAY	KL032161	2.27	< 0.005	-	-
ASSAY	KL032162	2.32	< 0.005	-	-
ASSAY	KL032163	2.40	< 0.005	-	-
ASSAY	KL032164	1.14	< 0.005	-	-
ASSAY	KL032165	1.20	< 0.005	-	-
ASSAY	KL032166	2.09	< 0.005	-	-
ASSAY	KL032167	1.20	< 0.005	-	-
ASSAY	KL032168	1.76	< 0.005	-	-
ASSAY	KL032169	1.26	0.005	-	-
ASSAY	KL032170	0.0670	0.747	-	-
ASSAY	KL032171	2.02	0.007	-	-
ASSAY	KL032172	1.28	< 0.005	-	-
ASSAY	KL032173	2.12	< 0.005	-	-
ASSAY	KL032174	2.23	0.005	-	-
ASSAY	KL032175	2.90	< 0.005	-	-
ASSAY	KL032176	2.08	0.021	-	-
ASSAY	KL032177	1.31	< 0.005	-	-
ASSAY	KL032178	0.959	0.024	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032179	1.48	0.029	-	-
ASSAY	KL032180	0.908	0.005	-	-
ASSAY	KL032181	1.64	0.006	-	-
ASSAY	KL032182	1.96	< 0.005	-	-
ASSAY	KL032183	1.15	< 0.005	-	-
ASSAY	KL032184	1.54	< 0.005	-	-
ASSAY	KL032185	0.971	0.062	-	-
ASSAY	KL032186	1.26	0.006	-	-
ASSAY	KL032187	1.51	0.006	-	-
ASSAY	KL032188	2.24	0.006	-	-
ASSAY	KL032189	2.03	0.006	-	-
ASSAY	KL032190	0.0670	0.331	-	-
ASSAY	KL032191	1.30	0.006	-	-
ASSAY	KL032192	1.09	0.514	-	-
ASSAY	KL032193	2.14	0.051	-	-
ASSAY	KL032194	2.12	0.011	-	-
ASSAY	KL032195	2.19	0.006	-	-
ASSAY	KL032196	2.16	0.006	-	-
ASSAY	KL032197	1.12	0.029	-	-
ASSAY	KL032198	2.09	0.078	-	-
ASSAY	KL032199	1.42	0.015	-	-
ASSAY	KL032200	0.961	< 0.005	-	-
ASSAY	KL032201	2.28	0.007	-	-
PULPDUP	KL032083	-	0.006	-	-
PULPDUP	KL032093	-	< 0.005	-	-
PULPDUP	KL032103	-	0.050	-	-
PULPDUP	KL032111	-	0.010	-	-
PULPDUP	KL032122	-	0.021	-	-
PREPDUP	KL032124	-	0.009	-	-
PULPDUP	KL032131	-	0.010	-	-
PULPDUP	KL032156	-	0.005	-	-
PULPDUP	KL032166	-	< 0.005	-	-
PREPDUP	KL032174	-	< 0.005	-	-
PULPDUP	KL032179	-	0.023	-	-
PULPDUP	KL032194	-	0.008	-	-



Report No.: A22-14170
Report Date: 26-Oct-22
Date Submitted: 03-Oct-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

128 Rock samples were submitted for analysis.

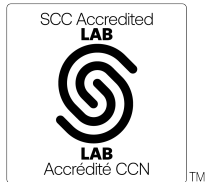
Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Timmins (10g/m t) with QOP AA-Au (Au - Fire Assay AA) and Weight Rpt (kg)-Timmins with Received Weights.

REPORT A22-14170

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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]

Rob Hoffman
Region Manager

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025447	1.55	0.006	-	-
ASSAY	KL025448	1.50	< 0.005	-	-
ASSAY	KL025449	1.20	0.014	-	-
ASSAY	KL025450	0.0670	0.330	-	-
ASSAY	KL025451	1.30	0.012	-	-
ASSAY	KL025452	2.22	0.009	-	-
ASSAY	KL025453	2.37	< 0.005	-	-
ASSAY	KL025454	1.24	< 0.005	-	-
ASSAY	KL025455	2.29	< 0.005	-	-
ASSAY	KL025456	1.34	< 0.005	-	-
ASSAY	KL025457	2.35	0.012	-	-
ASSAY	KL025458	1.90	0.013	-	-
ASSAY	KL025459	1.73	0.033	-	-
ASSAY	KL025460	1.10	< 0.005	-	-
ASSAY	KL025461	1.51	< 0.005	-	-
ASSAY	KL025462	2.25	< 0.005	-	-
ASSAY	KL025463	2.34	< 0.005	-	-
ASSAY	KL025464	1.29	0.076	-	-
ASSAY	KL025465	1.24	< 0.005	-	-
ASSAY	KL025466	1.09	< 0.005	-	-
ASSAY	KL025467	1.61	< 0.005	-	-
ASSAY	KL025468	1.62	0.032	-	-
ASSAY	KL025469	2.14	0.015	-	-
ASSAY	KL025470	0.0670	0.332	-	-
ASSAY	KL025471	2.26	0.005	-	-
ASSAY	KL025472	2.46	0.005	-	-
ASSAY	KL025473	2.44	< 0.005	-	-
ASSAY	KL025474	1.16	0.049	-	-
ASSAY	KL025475	1.14	< 0.005	-	-
ASSAY	KL025476	2.33	< 0.005	-	-
ASSAY	KL025477	1.34	0.054	-	-
ASSAY	KL025478	1.16	< 0.005	-	-
ASSAY	KL025479	1.27	< 0.005	-	-
ASSAY	KL025480	1.03	< 0.005	-	-
ASSAY	KL025481	1.05	0.011	-	-
ASSAY	KL025482	1.85	< 0.005	-	-
ASSAY	KL025483	1.28	0.041	-	-
ASSAY	KL025484	1.33	< 0.005	-	-
ASSAY	KL025485	1.16	< 0.005	-	-
ASSAY	KL025486	2.07	< 0.005	-	-
ASSAY	KL025487	1.50	0.006	-	-
ASSAY	KL025488	2.25	0.007	-	-
ASSAY	KL025489	1.55	< 0.005	-	-
ASSAY	KL025490	0.0670	0.751	-	-
ASSAY	KL025491	2.14	< 0.005	-	-
ASSAY	KL025492	2.34	< 0.005	-	-
ASSAY	KL025493	2.40	< 0.005	-	-
ASSAY	KL025494	1.09	< 0.005	-	-
ASSAY	KL025495	1.04	0.026	-	-
ASSAY	KL025496	1.18	0.006	-	-
ASSAY	KL025497	1.07	< 0.005	-	-
ASSAY	KL025498	1.08	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL025499	2.01	< 0.005	-	-
ASSAY	KL025500	1.07	< 0.005	-	-
ASSAY	KL032001	2.02	< 0.005	-	-
ASSAY	KL032002	1.40	0.007	-	-
ASSAY	KL032003	1.05	0.033	-	-
ASSAY	KL032004	1.12	0.044	-	-
ASSAY	KL032005	1.23	0.043	-	-
ASSAY	KL032006	2.32	< 0.005	-	-
ASSAY	KL032007	2.17	0.069	-	-
ASSAY	KL032008	2.38	< 0.005	-	-
ASSAY	KL032009	2.29	< 0.005	-	-
ASSAY	KL032010	0.0670	0.323	-	-
ASSAY	KL032011	1.44	0.056	-	-
ASSAY	KL032012	1.13	0.018	-	-
ASSAY	KL032013	1.16	0.035	-	-
ASSAY	KL032014	1.22	< 0.005	-	-
ASSAY	KL032015	1.94	< 0.005	-	-
ASSAY	KL032016	2.45	< 0.005	-	-
ASSAY	KL032017	1.23	0.005	-	-
ASSAY	KL032018	1.70	0.015	-	-
ASSAY	KL032019	1.82	0.016	-	-
ASSAY	KL032020	1.08	< 0.005	-	-
ASSAY	KL032021	2.36	< 0.005	-	-
ASSAY	KL032022	1.19	0.122	-	-
ASSAY	KL032023	1.32	< 0.005	-	-
ASSAY	KL032024	2.13	0.058	-	-
ASSAY	KL032025	3.28	< 0.005	-	-
ASSAY	KL032026	0.815	< 0.005	-	-
ASSAY	KL032027	1.37	0.017	-	-
ASSAY	KL032028	1.22	0.019	-	-
ASSAY	KL032029	2.65	< 0.005	-	-
ASSAY	KL032030	0.0670	0.338	-	-
ASSAY	KL032031	2.54	< 0.005	-	-
ASSAY	KL032032	2.47	< 0.005	-	-
ASSAY	KL032033	2.74	0.040	-	-
ASSAY	KL032034	2.21	0.197	-	-
ASSAY	KL032035	2.55	< 0.005	-	-
ASSAY	KL032036	2.40	< 0.005	-	-
ASSAY	KL032037	2.65	< 0.005	-	-
ASSAY	KL032038	2.53	< 0.005	-	-
ASSAY	KL032039	2.61	< 0.005	-	-
ASSAY	KL032040	1.03	< 0.005	-	-
ASSAY	KL032041	2.63	< 0.005	-	-
ASSAY	KL032042	1.47	< 0.005	-	-
ASSAY	KL032043	1.25	< 0.005	-	-
ASSAY	KL032044	1.28	0.021	-	-
ASSAY	KL032045	2.31	< 0.005	-	-
ASSAY	KL032046	1.20	< 0.005	-	-
ASSAY	KL032047	1.20	< 0.005	-	-
ASSAY	KL032048	2.88	< 0.005	-	-
ASSAY	KL032049	1.30	0.010	-	-
ASSAY	KL032050	0.0670	0.739	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032051	1.36	0.022	-	-
ASSAY	KL032052	1.19	0.014	-	-
ASSAY	KL032053	1.71	< 0.005	-	-
ASSAY	KL032054	1.90	0.008	-	-
ASSAY	KL032055	2.80	< 0.005	-	-
ASSAY	KL032056	2.27	0.122	-	-
ASSAY	KL032057	2.36	0.074	-	-
ASSAY	KL032058	2.41	0.094	-	-
ASSAY	KL032059	2.41	0.310	-	-
ASSAY	KL032060	0.980	< 0.005	-	-
ASSAY	KL032061	2.47	0.018	-	-
ASSAY	KL032062	2.30	0.005	-	-
ASSAY	KL032063	2.40	0.190	-	-
ASSAY	KL032064	1.28	0.136	-	-
ASSAY	KL032065	1.08	0.575	-	-
ASSAY	KL032066	1.26	0.316	-	-
ASSAY	KL032067	1.15	0.259	-	-
ASSAY	KL032068	1.20	0.048	-	-
ASSAY	KL032069	1.15	< 0.005	-	-
ASSAY	KL032070	0.0670	0.333	-	-
ASSAY	KL032071	1.89	0.397	-	-
ASSAY	KL032072	2.28	< 0.005	-	-
ASSAY	KL032073	2.48	0.012	-	-
ASSAY	KL032074	2.60	< 0.005	-	-
PULPDUP	KL025453	-	< 0.005	-	-
PULPDUP	KL025463	-	< 0.005	-	-
PULPDUP	KL025473	-	< 0.005	-	-
PULPDUP	KL025493	-	< 0.005	-	-
PREPDUP	KL025496	-	0.006	-	-
PULPDUP	KL032002	-	0.006	-	-
PULPDUP	KL032012	-	0.009	-	-
PULPDUP	KL032017	-	< 0.005	-	-
PULPDUP	KL032032	-	< 0.005	-	-
PULPDUP	KL032042	-	< 0.005	-	-
PREPDUP	KL032046	-	< 0.005	-	-
PULPDUP	KL032055	-	< 0.005	-	-
PULPDUP	KL032071	-	0.421	-	-



Report No.: A22-14771
 Report Date: 17-Oct-22
 Date Submitted: 12-Oct-22
 Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

47 Rock samples were submitted for analysis.

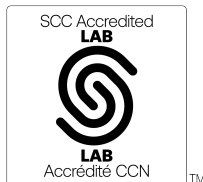
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-10-16 14:24:06
Weight Rpt (kg)-Timmins	Received Weights	2022-10-14 08:38:24

REPORT A22-14771

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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:

Mark Vandergeest
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032245	1.19	< 0.005	-	-
ASSAY	KL032246	2.01	0.011	-	-
ASSAY	KL032247	1.64	0.005	-	-
ASSAY	KL032248	0.638	< 0.005	-	-
ASSAY	KL032249	1.10	2.32	-	-
ASSAY	KL032250	0.0670	0.328	-	-
ASSAY	KL032251	2.21	0.066	-	-
ASSAY	KL032252	2.22	< 0.005	-	-
ASSAY	KL032253	2.20	< 0.005	-	-
ASSAY	KL032254	2.22	< 0.005	-	-
ASSAY	KL032255	1.17	9.96	-	-
ASSAY	KL032256	0.918	0.038	-	-
ASSAY	KL032257	2.17	0.016	-	-
ASSAY	KL032258	2.06	0.005	-	-
ASSAY	KL032259	2.36	< 0.005	-	-
ASSAY	KL032260	1.07	< 0.005	-	-
ASSAY	KL032261	1.90	2.29	-	-
ASSAY	KL032262	2.18	0.836	-	-
ASSAY	KL032263	2.14	0.351	-	-
ASSAY	KL032264	2.27	0.157	-	-
ASSAY	KL032265	1.13	0.137	-	-
ASSAY	KL032266	1.11	0.216	-	-
ASSAY	KL032267	1.05	0.141	-	-
ASSAY	KL032268	1.15	1.29	-	-
ASSAY	KL032269	1.12	0.020	-	-
ASSAY	KL032270	0.0670	0.335	-	-
ASSAY	KL032271	1.12	1.44	-	-
ASSAY	KL032272	1.01	3.32	-	-
ASSAY	KL032273	1.62	1.44	-	-
ASSAY	KL032274	2.33	0.703	-	-
ASSAY	KL032275	2.30	0.070	-	-
ASSAY	KL032276	1.92	0.141	-	-
ASSAY	KL032277	1.97	0.178	-	-
ASSAY	KL032278	1.45	0.033	-	-
ASSAY	KL032279	1.31	0.024	-	-
ASSAY	KL032280	1.03	< 0.005	-	-
ASSAY	KL032281	2.30	0.060	-	-
ASSAY	KL032282	1.99	0.117	-	-
ASSAY	KL032283	2.04	0.017	-	-
ASSAY	KL032284	2.31	0.016	-	-
ASSAY	KL032285	1.64	0.126	-	-
ASSAY	KL032286	2.56	0.184	-	-
ASSAY	KL032287	1.65	0.329	-	-
ASSAY	KL032288	2.64	0.046	-	-
ASSAY	KL032289	1.94	< 0.005	-	-
ASSAY	KL032290	0.0670	0.744	-	-
ASSAY	KL032291	2.30	< 0.005	-	-
PULPDUP	KL032254	-	0.005	-	-
PULPDUP	KL032264	-	0.175	-	-
PULPDUP	KL032274	-	0.648	-	-
PULPDUP	KL032289	-	< 0.005	-	-



Report No.: A22-14774
 Report Date: 14-Oct-22
 Date Submitted: 12-Oct-22
 Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

37 Rock samples were submitted for analysis.

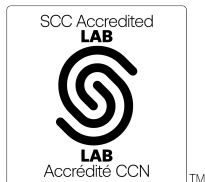
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-10-14 12:58:25
Weight Rpt (kg)-Timmins	Received Weights	2022-10-14 08:38:58

REPORT **A22-14774**

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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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 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:

Rob Hoffman
 Region Manager

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032497	1.14	0.011	-	-
ASSAY	KL032498	1.12	0.075	-	-
ASSAY	KL032499	1.16	0.006	-	-
ASSAY	KL032500	0.928	0.005	-	-
ASSAY	KL032501	1.95	0.010	-	-
ASSAY	KL032502	1.14	2.31	-	-
ASSAY	KL032503	1.15	0.030	-	-
ASSAY	KL032504	1.15	0.029	-	-
ASSAY	KL032505	2.46	0.229	-	-
ASSAY	KL032506	2.58	0.082	-	-
ASSAY	KL032507	2.33	0.135	-	-
ASSAY	KL032508	2.16	0.051	-	-
ASSAY	KL032509	2.38	0.020	-	-
ASSAY	KL032510	0.0670	0.306	-	-
ASSAY	KL032511	2.23	< 0.005	-	-
ASSAY	KL032512	2.09	< 0.005	-	-
ASSAY	KL032513	1.97	< 0.005	-	-
ASSAY	KL032514	1.45	< 0.005	-	-
ASSAY	KL032515	1.70	< 0.005	-	-
ASSAY	KL032516	1.32	0.010	-	-
ASSAY	KL032517	1.25	< 0.005	-	-
ASSAY	KL032518	1.29	0.005	-	-
ASSAY	KL032519	2.41	0.005	-	-
ASSAY	KL032520	0.871	< 0.005	-	-
ASSAY	KL032521	2.26	0.007	-	-
ASSAY	KL032522	2.12	0.008	-	-
ASSAY	KL032523	2.29	0.005	-	-
ASSAY	KL032524	1.12	0.098	-	-
ASSAY	KL032525	0.959	0.005	-	-
ASSAY	KL032526	2.00	0.007	-	-
ASSAY	KL032527	2.20	0.007	-	-
ASSAY	KL032528	2.15	0.009	-	-
ASSAY	KL032529	1.90	0.007	-	-
ASSAY	KL032530	0.0670	0.747	-	-
ASSAY	KL032531	0.961	0.069	-	-
ASSAY	KL032532	1.42	0.010	-	-
ASSAY	KL032533	2.25	0.007	-	-
PULPDUP	KL032506	-	0.079	-	-
PULPDUP	KL032516	-	0.005	-	-
PULPDUP	KL032526	-	0.006	-	-



Report No.: A22-14777
Report Date: 14-Oct-22
Date Submitted: 12-Oct-22
Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

42 Rock samples were submitted for analysis.

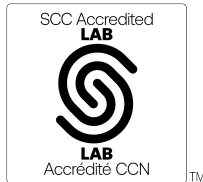
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-14777

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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 Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032534	1.79	< 0.005	-	-
ASSAY	KL032535	2.40	< 0.005	-	-
ASSAY	KL032536	1.05	< 0.005	-	-
ASSAY	KL032537	1.51	< 0.005	-	-
ASSAY	KL032538	2.20	< 0.005	-	-
ASSAY	KL032539	2.78	< 0.005	-	-
ASSAY	KL032540	1.12	< 0.005	-	-
ASSAY	KL032541	2.10	< 0.005	-	-
ASSAY	KL032542	2.65	0.064	-	-
ASSAY	KL032543	1.25	0.018	-	-
ASSAY	KL032544	1.19	0.021	-	-
ASSAY	KL032545	2.52	< 0.005	-	-
ASSAY	KL032546	2.44	0.008	-	-
ASSAY	KL032547	1.45	< 0.005	-	-
ASSAY	KL032548	0.961	0.128	-	-
ASSAY	KL032549	1.21	0.378	-	-
ASSAY	KL032550	0.0670	0.332	-	-
ASSAY	KL032551	1.47	< 0.005	-	-
ASSAY	KL032552	2.43	< 0.005	-	-
ASSAY	KL032553	2.48	< 0.005	-	-
ASSAY	KL032554	2.46	< 0.005	-	-
ASSAY	KL032555	2.68	0.009	-	-
ASSAY	KL032556	2.32	< 0.005	-	-
ASSAY	KL032557	2.58	< 0.005	-	-
ASSAY	KL032558	2.10	0.005	-	-
ASSAY	KL032559	2.56	0.018	-	-
ASSAY	KL032560	1.13	< 0.005	-	-
ASSAY	KL032561	2.82	< 0.005	-	-
ASSAY	KL032562	1.98	0.078	-	-
ASSAY	KL032563	2.47	< 0.005	-	-
ASSAY	KL032564	2.37	0.021	-	-
ASSAY	KL032565	2.32	0.006	-	-
ASSAY	KL032566	2.41	< 0.005	-	-
ASSAY	KL032567	2.39	0.057	-	-
ASSAY	KL032568	2.05	0.639	-	-
ASSAY	KL032569	2.46	0.006	-	-
ASSAY	KL032570	0.0670	0.331	-	-
ASSAY	KL032571	2.60	0.015	-	-
ASSAY	KL032572	2.34	< 0.005	-	-
ASSAY	KL032573	2.19	0.007	-	-
ASSAY	KL032574	2.22	0.013	-	-
ASSAY	KL032575	2.21	0.014	-	-
PULPDUP	KL032543	-	0.025	-	-
PULPDUP	KL032553	-	< 0.005	-	-
PULPDUP	KL032563	-	< 0.005	-	-



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

Report No.: A22-14778
 Report Date: 17-Oct-22
 Date Submitted: 12-Oct-22
 Your Reference: Carscallen

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

43 Rock samples were submitted for analysis.

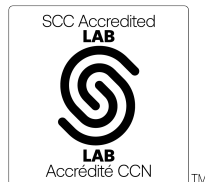
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-10-16 14:24:06
Weight Rpt (kg)-Timmins	Received Weights	2022-10-14 08:40:18

REPORT **A22-14778**

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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:

Mark Vandergeest
 Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032202	1.86	< 0.005	-	-
ASSAY	KL032203	2.40	< 0.005	-	-
ASSAY	KL032204	2.12	< 0.005	-	-
ASSAY	KL032205	1.18	0.010	-	-
ASSAY	KL032206	1.45	< 0.005	-	-
ASSAY	KL032207	2.40	< 0.005	-	-
ASSAY	KL032208	1.07	< 0.005	-	-
ASSAY	KL032209	1.70	< 0.005	-	-
ASSAY	KL032210	0.0670	0.325	-	-
ASSAY	KL032211	1.84	< 0.005	-	-
ASSAY	KL032212	1.27	< 0.005	-	-
ASSAY	KL032213	1.07	< 0.005	-	-
ASSAY	KL032214	2.08	0.021	-	-
ASSAY	KL032215	0.897	0.006	-	-
ASSAY	KL032216	1.05	< 0.005	-	-
ASSAY	KL032217	1.17	< 0.005	-	-
ASSAY	KL032218	0.962	0.005	-	-
ASSAY	KL032219	1.30	< 0.005	-	-
ASSAY	KL032220	0.925	< 0.005	-	-
ASSAY	KL032221	1.21	< 0.005	-	-
ASSAY	KL032222	0.902	0.067	-	-
ASSAY	KL032223	0.975	0.045	-	-
ASSAY	KL032224	1.09	0.009	-	-
ASSAY	KL032225	1.03	0.132	-	-
ASSAY	KL032226	2.26	< 0.005	-	-
ASSAY	KL032227	1.36	< 0.005	-	-
ASSAY	KL032228	1.04	< 0.005	-	-
ASSAY	KL032229	1.91	0.006	-	-
ASSAY	KL032230	0.0670	0.751	-	-
ASSAY	KL032231	2.20	0.007	-	-
ASSAY	KL032232	1.15	0.008	-	-
ASSAY	KL032233	0.977	0.007	-	-
ASSAY	KL032234	2.07	0.005	-	-
ASSAY	KL032235	2.05	< 0.005	-	-
ASSAY	KL032236	2.37	< 0.005	-	-
ASSAY	KL032237	2.03	0.005	-	-
ASSAY	KL032238	1.02	< 0.005	-	-
ASSAY	KL032239	1.91	0.009	-	-
ASSAY	KL032240	1.04	< 0.005	-	-
ASSAY	KL032241	1.41	0.066	-	-
ASSAY	KL032242	2.32	0.006	-	-
ASSAY	KL032243	2.28	0.015	-	-
ASSAY	KL032244	2.23	0.008	-	-
PULPDUP	KL032211	-	< 0.005	-	-
PULPDUP	KL032221	-	< 0.005	-	-
PULPDUP	KL032231	-	< 0.005	-	-



Report No.: A22-14779
Report Date: 19-Oct-22
Date Submitted: 12-Oct-22
Your Reference: Carscallen

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

ATTN: Michael Clarke

CERTIFICATE OF ANALYSIS

205 Rock samples were submitted for analysis.

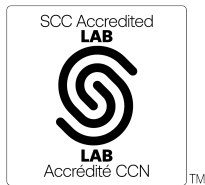
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), 1A3-Timmins, and Weight Rpt (kg)-Timmins.

REPORT A22-14779

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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:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL032292	2.02	0.005	-	-
ASSAY	KL032293	1.45	0.013	-	-
ASSAY	KL032294	2.54	< 0.005	-	-
ASSAY	KL032295	1.58	0.007	-	-
ASSAY	KL032296	1.96	0.008	-	-
ASSAY	KL032297	2.28	0.008	-	-
ASSAY	KL032298	2.18	0.005	-	-
ASSAY	KL032299	2.64	0.006	-	-
ASSAY	KL032300	0.991	< 0.005	-	-
ASSAY	KL032301	2.18	0.006	-	-
ASSAY	KL032302	2.36	0.007	-	-
ASSAY	KL032303	1.99	0.006	-	-
ASSAY	KL032304	2.54	0.008	-	-
ASSAY	KL032305	2.33	0.008	-	-
ASSAY	KL032306	2.87	0.010	-	-
ASSAY	KL032307	2.25	0.009	-	-
ASSAY	KL032308	1.22	0.017	-	-
ASSAY	KL032309	1.19	0.428	-	-
ASSAY	KL032310	0.0670	0.334	-	-
ASSAY	KL032311	1.16	0.019	-	-
ASSAY	KL032312	1.31	0.007	-	-
ASSAY	KL032313	2.22	0.006	-	-
ASSAY	KL032314	2.26	0.007	-	-
ASSAY	KL032315	2.45	0.012	-	-
ASSAY	KL032316	2.30	< 0.005	-	-
ASSAY	KL032317	1.18	0.011	-	-
ASSAY	KL032318	2.35	< 0.005	-	-
ASSAY	KL032319	2.31	0.005	-	-
ASSAY	KL032320	1.18	< 0.005	-	-
ASSAY	KL032321	2.26	< 0.005	-	-
ASSAY	KL032322	2.25	0.005	-	-
ASSAY	KL032323	2.37	< 0.005	-	-
ASSAY	KL032324	1.21	< 0.005	-	-
ASSAY	KL032325	1.69	0.011	-	-
ASSAY	KL032326	1.64	< 0.005	-	-
ASSAY	KL032327	2.29	0.011	-	-
ASSAY	KL032328	1.09	0.102	-	-
ASSAY	KL032329	1.14	0.675	-	-
ASSAY	KL032330	0.0670	0.334	-	-
ASSAY	KL032331	1.21	> 10.0	49.6	-
ASSAY	KL032332	1.23	0.098	-	-
ASSAY	KL032333	1.27	0.069	-	-
ASSAY	KL032334	1.04	0.006	-	-
ASSAY	KL032335	2.09	0.011	-	-
ASSAY	KL032336	2.19	< 0.005	-	-
ASSAY	KL032337	1.66	0.006	-	-
ASSAY	KL032338	2.98	0.006	-	-
ASSAY	KL032339	2.22	0.007	-	-
ASSAY	KL032340	1.06	< 0.005	-	-
ASSAY	KL032341	1.10	0.014	-	-
ASSAY	KL032342	1.18	0.309	-	-
ASSAY	KL032343	2.31	0.013	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL032344	2.08	0.011	-	-
ASSAY	KL032345	2.01	0.010	-	-
ASSAY	KL032346	2.06	0.014	-	-
ASSAY	KL032347	1.11	0.624	-	-
ASSAY	KL032348	1.02	0.239	-	-
ASSAY	KL032349	2.03	0.006	-	-
ASSAY	KL032350	0.0670	0.741	-	-
ASSAY	KL032351	2.20	< 0.005	-	-
ASSAY	KL032352	1.54	0.064	-	-
ASSAY	KL032353	1.13	< 0.005	-	-
ASSAY	KL032354	1.66	< 0.005	-	-
ASSAY	KL032355	1.21	0.011	-	-
ASSAY	KL032356	2.00	< 0.005	-	-
ASSAY	KL032357	3.14	< 0.005	-	-
ASSAY	KL032358	1.28	< 0.005	-	-
ASSAY	KL032359	2.37	< 0.005	-	-
ASSAY	KL032360	1.09	< 0.005	-	-
ASSAY	KL032361	1.17	< 0.005	-	-
ASSAY	KL032362	1.76	0.010	-	-
ASSAY	KL032363	2.42	0.013	-	-
ASSAY	KL032364	1.18	0.030	-	-
ASSAY	KL032365	1.13	0.034	-	-
ASSAY	KL032366	1.31	0.028	-	-
ASSAY	KL032367	1.31	< 0.005	-	-
ASSAY	KL032368	2.41	< 0.005	-	-
ASSAY	KL032369	0.705	< 0.005	-	-
ASSAY	KL032370	0.0670	0.334	-	-
ASSAY	KL032371	1.01	< 0.005	-	-
ASSAY	KL032372	2.01	< 0.005	-	-
ASSAY	KL032373	2.20	0.007	-	-
ASSAY	KL032374	1.07	0.048	-	-
ASSAY	KL032375	1.17	0.019	-	-
ASSAY	KL032376	1.64	> 10.0	23.1	-
ASSAY	KL032377	1.92	0.073	-	-
ASSAY	KL032378	2.63	0.201	-	-
ASSAY	KL032379	2.05	0.013	-	-
ASSAY	KL032380	1.16	0.007	-	-
ASSAY	KL032381	2.42	0.011	-	-
ASSAY	KL032382	1.07	< 0.005	-	-
ASSAY	KL032383	1.21	1.17	-	-
ASSAY	KL032384	0.945	0.008	-	-
ASSAY	KL032385	1.61	0.021	-	-
ASSAY	KL032386	2.60	0.059	-	-
ASSAY	KL032387	2.26	0.007	-	-
ASSAY	KL032388	2.37	0.011	-	-
ASSAY	KL032389	2.12	< 0.005	-	-
ASSAY	KL032390	0.0670	0.345	-	-
ASSAY	KL032391	1.80	0.005	-	-
ASSAY	KL032392	2.25	< 0.005	-	-
ASSAY	KL032393	1.98	< 0.005	-	-
ASSAY	KL032394	2.27	0.012	-	-
ASSAY	KL032395	2.18	0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL032396	2.15	0.010	-	-
ASSAY	KL032397	1.94	< 0.005	-	-
ASSAY	KL032398	2.28	< 0.005	-	-
ASSAY	KL032399	1.96	< 0.005	-	-
ASSAY	KL032400	0.954	< 0.005	-	-
ASSAY	KL032401	2.23	0.006	-	-
ASSAY	KL032402	1.84	< 0.005	-	-
ASSAY	KL032403	2.00	< 0.005	-	-
ASSAY	KL032404	1.88	< 0.005	-	-
ASSAY	KL032405	2.24	0.007	-	-
ASSAY	KL032406	2.26	0.006	-	-
ASSAY	KL032407	2.80	0.032	-	-
ASSAY	KL032408	1.36	< 0.005	-	-
ASSAY	KL032409	3.20	0.009	-	-
ASSAY	KL032410	0.0670	0.767	-	-
ASSAY	KL032411	2.33	0.009	-	-
ASSAY	KL032412	2.18	0.006	-	-
ASSAY	KL032413	2.17	< 0.005	-	-
ASSAY	KL032414	2.40	< 0.005	-	-
ASSAY	KL032415	2.19	0.026	-	-
ASSAY	KL032416	2.62	0.008	-	-
ASSAY	KL032417	2.41	0.016	-	-
ASSAY	KL032418	2.40	0.005	-	-
ASSAY	KL032419	2.03	0.006	-	-
ASSAY	KL032420	1.07	< 0.005	-	-
ASSAY	KL032421	1.25	0.005	-	-
ASSAY	KL032422	1.32	< 0.005	-	-
ASSAY	KL032423	1.69	< 0.005	-	-
ASSAY	KL032424	1.82	< 0.005	-	-
ASSAY	KL032425	1.18	< 0.005	-	-
ASSAY	KL032426	1.90	0.005	-	-
ASSAY	KL032427	2.31	< 0.005	-	-
ASSAY	KL032428	2.86	< 0.005	-	-
ASSAY	KL032429	1.91	< 0.005	-	-
ASSAY	KL032430	0.0670	0.344	-	-
ASSAY	KL032431	2.19	< 0.005	-	-
ASSAY	KL032432	2.59	< 0.005	-	-
ASSAY	KL032433	2.52	< 0.005	-	-
ASSAY	KL032434	2.58	< 0.005	-	-
ASSAY	KL032435	1.89	< 0.005	-	-
ASSAY	KL032436	1.28	< 0.005	-	-
ASSAY	KL032437	1.20	< 0.005	-	-
ASSAY	KL032438	1.20	0.005	-	-
ASSAY	KL032439	1.62	< 0.005	-	-
ASSAY	KL032440	0.918	< 0.005	-	-
ASSAY	KL032441	2.69	0.005	-	-
ASSAY	KL032442	3.02	< 0.005	-	-
ASSAY	KL032443	3.47	0.005	-	-
ASSAY	KL032444	3.08	< 0.005	-	-
ASSAY	KL032445	1.50	< 0.005	-	-
ASSAY	KL032446	3.15	< 0.005	-	-
ASSAY	KL032447	2.39	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
ASSAY	KL032448	2.47	< 0.005	-	-
ASSAY	KL032449	2.64	< 0.005	-	-
ASSAY	KL032450	0.0670	0.344	-	-
ASSAY	KL032451	2.39	< 0.005	-	-
ASSAY	KL032452	2.21	0.007	-	-
ASSAY	KL032453	1.94	0.006	-	-
ASSAY	KL032454	2.71	< 0.005	-	-
ASSAY	KL032455	3.30	0.011	-	-
ASSAY	KL032456	1.15	0.006	-	-
ASSAY	KL032457	1.40	< 0.005	-	-
ASSAY	KL032458	2.40	< 0.005	-	-
ASSAY	KL032459	1.34	0.014	-	-
ASSAY	KL032460	1.06	< 0.005	-	-
ASSAY	KL032461	1.51	0.400	-	-
ASSAY	KL032462	1.90	0.014	-	-
ASSAY	KL032463	2.25	0.007	-	-
ASSAY	KL032464	2.16	0.009	-	-
ASSAY	KL032465	2.71	0.007	-	-
ASSAY	KL032466	2.74	0.005	-	-
ASSAY	KL032467	2.77	< 0.005	-	-
ASSAY	KL032468	2.09	< 0.005	-	-
ASSAY	KL032469	2.20	0.021	-	-
ASSAY	KL032470	0.0670	0.764	-	-
ASSAY	KL032471	2.21	0.010	-	-
ASSAY	KL032472	1.36	< 0.005	-	-
ASSAY	KL032473	1.21	0.079	-	-
ASSAY	KL032474	1.32	0.005	-	-
ASSAY	KL032475	1.16	0.007	-	-
ASSAY	KL032476	2.64	< 0.005	-	-
ASSAY	KL032477	2.67	0.006	-	-
ASSAY	KL032478	1.33	< 0.005	-	-
ASSAY	KL032479	1.34	0.012	-	-
ASSAY	KL032480	0.878	< 0.005	-	-
ASSAY	KL032481	2.36	< 0.005	-	-
ASSAY	KL032482	1.42	0.015	-	-
ASSAY	KL032483	1.05	0.013	-	-
ASSAY	KL032484	2.04	< 0.005	-	-
ASSAY	KL032485	2.74	0.009	-	-
ASSAY	KL032486	2.26	0.073	-	-
ASSAY	KL032487	2.94	0.010	-	-
ASSAY	KL032488	1.20	0.007	-	-
ASSAY	KL032489	1.16	0.017	-	-
ASSAY	KL032490	0.0670	0.333	-	-
ASSAY	KL032491	1.24	0.007	-	-
ASSAY	KL032492	1.23	< 0.005	-	-
ASSAY	KL032493	1.16	< 0.005	-	-
ASSAY	KL032494	1.07	< 0.005	-	-
ASSAY	KL032495	2.38	0.005	-	-
ASSAY	KL032496	2.38	< 0.005	-	-
PULPDUP	KL032300	-	< 0.005	-	-
PULPDUP	KL032311	-	0.018	-	-
PULPDUP	KL032320	-	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au g/tonne	Au
PULPDUP	KL032327	-	0.005	-	-
PULPDUP	KL032339	-	0.007	-	-
PREPDUP	KL032341	-	0.016	-	-
PULPDUP	KL032348	-	0.193	-	-
PULPDUP	KL032364	-	0.030	-	-
PULPDUP	KL032373	-	0.008	-	-
PULPDUP	KL032383	-	1.18	-	-
PREPDUP	KL032391	-	0.006	-	-
PULPDUP	KL032396	-	0.006	-	-
PULPDUP	KL032411	-	0.009	-	-
PULPDUP	KL032428	-	< 0.005	-	-
PULPDUP	KL032432	-	< 0.005	-	-
PREPDUP	KL032441	-	0.009	-	-
PULPDUP	KL032442	-	< 0.005	-	-
PULPDUP	KL032456	-	0.006	-	-
PULPDUP	KL032471	-	0.009	-	-
PULPDUP	KL032481	-	< 0.005	-	-
PREPDUP	KL032491	-	0.005	-	-
PULPDUP	KL032494	-	< 0.005	-	-



Report No.: A22-15347-Revised
Report Date: 26-Oct-22
Date Submitted: 20-Oct-22
Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

53 Rock samples were submitted for analysis.

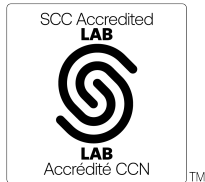
Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-15347-Revised

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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 Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032576	2.18	< 0.005	-	-
ASSAY	KL032577	2.28	< 0.005	-	-
ASSAY	KL032578	1.94	< 0.005	-	-
ASSAY	KL032579	2.16	< 0.005	-	-
ASSAY	KL032580	0.903	< 0.005	-	-
ASSAY	KL032581	2.73	< 0.005	-	-
ASSAY	KL032582	3.21	< 0.005	-	-
ASSAY	KL032583	2.44	< 0.005	-	-
ASSAY	KL032584	1.37	< 0.005	-	-
ASSAY	KL032585	1.86	< 0.005	-	-
ASSAY	KL032586	1.43	< 0.005	-	-
ASSAY	KL032587	1.10	< 0.005	-	-
ASSAY	KL032588	1.11	0.020	-	-
ASSAY	KL032589	2.28	< 0.005	-	-
ASSAY	KL032590	0.0670	0.762	-	-
ASSAY	KL032591	1.62	< 0.005	-	-
ASSAY	KL032592	2.32	< 0.005	-	-
ASSAY	KL032593	2.25	< 0.005	-	-
ASSAY	KL032594	2.89	< 0.005	-	-
ASSAY	KL032595	2.30	< 0.005	-	-
ASSAY	KL032596	2.15	< 0.005	-	-
ASSAY	KL032597	2.00	< 0.005	-	-
ASSAY	KL032598	2.20	< 0.005	-	-
ASSAY	KL032599	2.49	< 0.005	-	-
ASSAY	KL032600	1.17	< 0.005	-	-
ASSAY	KL032601	1.18	< 0.005	-	-
ASSAY	KL032602	1.00	< 0.005	-	-
ASSAY	KL032603	1.25	0.146	-	-
ASSAY	KL032604	1.34	< 0.005	-	-
ASSAY	KL032605	2.21	< 0.005	-	-
ASSAY	KL032606	2.14	< 0.005	-	-
ASSAY	KL032607	1.15	< 0.005	-	-
ASSAY	KL032608	1.15	0.010	-	-
ASSAY	KL032609	1.08	0.021	-	-
ASSAY	KL032610	0.0670	0.326	-	-
ASSAY	KL032611	1.01	< 0.005	-	-
ASSAY	KL032612	2.45	< 0.005	-	-
ASSAY	KL032613	2.11	< 0.005	-	-
ASSAY	KL032614	2.32	< 0.005	-	-
ASSAY	KL032615	2.40	< 0.005	-	-
ASSAY	KL032616	1.99	< 0.005	-	-
ASSAY	KL032617	2.08	< 0.005	-	-
ASSAY	KL032618	2.32	< 0.005	-	-
ASSAY	KL032619	2.22	< 0.005	-	-
ASSAY	KL032620	0.862	< 0.005	-	-
ASSAY	KL032621	2.20	< 0.005	-	-
ASSAY	KL032622	2.16	< 0.005	-	-
ASSAY	KL032623	1.19	< 0.005	-	-
ASSAY	KL032624	2.07	< 0.005	-	-
ASSAY	KL032625	1.21	0.118	-	-
ASSAY	KL032626	1.14	0.080	-	-
ASSAY	KL032627	1.39	0.022	-	-

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
ASSAY	KL032628	2.56	< 0.005	-	-
PULPDUP	KL032584	-	< 0.005	-	-
PULPDUP	KL032594	-	< 0.005	-	-
PULPDUP	KL032604	-	< 0.005	-	-
PULPDUP	KL032611	-	< 0.005	-	-
PULPDUP	KL032623	-	< 0.005	-	-
PREPDUP	KL032625	-	0.164	-	-



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

Report No.: A22-15349
 Report Date: 27-Oct-22
 Date Submitted: 20-Oct-22
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

146 Rock samples were submitted for analysis.

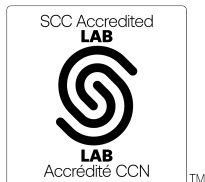
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	
Weight Rpt (kg)-Timmins	Received Weights	2022-10-24 10:39:46

REPORT **A22-15349**

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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:

Mark Vandergeest
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032629	1.49	0.007	-	-
ASSAY	KL032630	0.0670	0.330	-	-
ASSAY	KL032631	1.29	0.071	-	-
ASSAY	KL032632	1.54	0.022	-	-
ASSAY	KL032633	2.66	0.008	-	-
ASSAY	KL032634	1.40	< 0.005	-	-
ASSAY	KL032635	2.29	0.013	-	-
ASSAY	KL032636	2.23	< 0.005	-	-
ASSAY	KL032637	2.51	< 0.005	-	-
ASSAY	KL032638	1.82	< 0.005	-	-
ASSAY	KL032639	2.55	0.006	-	-
ASSAY	KL032640	1.00	< 0.005	-	-
ASSAY	KL032641	1.87	< 0.005	-	-
ASSAY	KL032642	2.33	0.206	-	-
ASSAY	KL032643	2.33	0.005	-	-
ASSAY	KL032644	2.33	< 0.005	-	-
ASSAY	KL032645	1.71	0.006	-	-
ASSAY	KL032646	1.51	< 0.005	-	-
ASSAY	KL032647	1.51	< 0.005	-	-
ASSAY	KL032648	2.20	< 0.005	-	-
ASSAY	KL032649	2.46	0.008	-	-
ASSAY	KL032650	0.0670	0.731	-	-
ASSAY	KL032651	2.79	0.005	-	-
ASSAY	KL032652	2.19	0.005	-	-
ASSAY	KL032653	1.85	0.006	-	-
ASSAY	KL032654	2.50	< 0.005	-	-
ASSAY	KL032655	2.26	0.005	-	-
ASSAY	KL032656	2.07	0.005	-	-
ASSAY	KL032657	2.44	< 0.005	-	-
ASSAY	KL032658	1.93	< 0.005	-	-
ASSAY	KL032659	2.74	0.005	-	-
ASSAY	KL032660	0.739	< 0.005	-	-
ASSAY	KL032661	2.24	0.007	-	-
ASSAY	KL032662	2.37	< 0.005	-	-
ASSAY	KL032663	2.20	< 0.005	-	-
ASSAY	KL032664	2.29	< 0.005	-	-
ASSAY	KL032665	2.44	0.006	-	-
ASSAY	KL032666	2.52	0.006	-	-
ASSAY	KL032667	2.19	0.009	-	-
ASSAY	KL032668	2.18	0.141	-	-
ASSAY	KL032669	2.24	0.011	-	-
ASSAY	KL032670	0.0670	0.319	-	-
ASSAY	KL032671	0.999	0.007	-	-
ASSAY	KL032672	1.96	0.005	-	-
ASSAY	KL032673	1.33	0.007	-	-
ASSAY	KL032674	2.22	0.009	-	-
ASSAY	KL032675	2.35	0.006	-	-
ASSAY	KL032676	2.62	0.024	-	-
ASSAY	KL032677	2.09	< 0.005	-	-
ASSAY	KL032678	1.18	0.006	-	-
ASSAY	KL032679	0.909	< 0.005	-	-
ASSAY	KL032680	1.00	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032681	2.11	< 0.005	-	-
ASSAY	KL032682	2.07	0.006	-	-
ASSAY	KL032683	2.09	< 0.005	-	-
ASSAY	KL032684	1.11	0.005	-	-
ASSAY	KL032685	2.25	< 0.005	-	-
ASSAY	KL032686	2.29	0.005	-	-
ASSAY	KL032687	1.93	< 0.005	-	-
ASSAY	KL032688	2.26	0.006	-	-
ASSAY	KL032689	2.38	0.005	-	-
ASSAY	KL032690	0.0670	0.311	-	-
ASSAY	KL032691	2.56	< 0.005	-	-
ASSAY	KL032692	2.00	< 0.005	-	-
ASSAY	KL032693	2.12	0.005	-	-
ASSAY	KL032694	2.36	0.012	-	-
ASSAY	KL032695	2.23	0.021	-	-
ASSAY	KL032696	2.34	< 0.005	-	-
ASSAY	KL032697	1.95	< 0.005	-	-
ASSAY	KL032698	2.18	< 0.005	-	-
ASSAY	KL032699	2.34	< 0.005	-	-
ASSAY	KL032700	0.990	< 0.005	-	-
ASSAY	KL032701	1.10	< 0.005	-	-
ASSAY	KL032702	1.15	< 0.005	-	-
ASSAY	KL032703	2.29	< 0.005	-	-
ASSAY	KL032704	2.33	< 0.005	-	-
ASSAY	KL032705	2.36	< 0.005	-	-
ASSAY	KL032706	1.98	< 0.005	-	-
ASSAY	KL032707	2.25	< 0.005	-	-
ASSAY	KL032708	2.70	< 0.005	-	-
ASSAY	KL032709	1.64	< 0.005	-	-
ASSAY	KL032710	0.0670	0.774	-	-
ASSAY	KL032711	2.51	< 0.005	-	-
ASSAY	KL032712	2.38	0.107	-	-
ASSAY	KL032713	2.28	< 0.005	-	-
ASSAY	KL032714	2.33	0.016	-	-
ASSAY	KL032715	2.36	0.072	-	-
ASSAY	KL032716	2.38	0.007	-	-
ASSAY	KL032717	2.43	0.008	-	-
ASSAY	KL032718	2.27	< 0.005	-	-
ASSAY	KL032719	2.42	< 0.005	-	-
ASSAY	KL032720	1.02	< 0.005	-	-
ASSAY	KL032721	2.25	< 0.005	-	-
ASSAY	KL032722	2.24	< 0.005	-	-
ASSAY	KL032723	1.98	< 0.005	-	-
ASSAY	KL032724	2.03	0.005	-	-
ASSAY	KL032725	2.16	< 0.005	-	-
ASSAY	KL032726	2.45	< 0.005	-	-
ASSAY	KL032727	2.15	0.006	-	-
ASSAY	KL032728	2.38	< 0.005	-	-
ASSAY	KL032729	2.22	< 0.005	-	-
ASSAY	KL032730	0.0670	0.340	-	-
ASSAY	KL032731	2.02	< 0.005	-	-
ASSAY	KL032732	2.21	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032733	2.24	0.005	-	-
ASSAY	KL032734	2.26	0.005	-	-
ASSAY	KL032735	2.19	< 0.005	-	-
ASSAY	KL032736	2.46	0.005	-	-
ASSAY	KL032737	2.30	0.005	-	-
ASSAY	KL032738	2.67	0.006	-	-
ASSAY	KL032739	1.37	< 0.005	-	-
ASSAY	KL032740	1.00	< 0.005	-	-
ASSAY	KL032741	2.58	< 0.005	-	-
ASSAY	KL032742	2.50	0.006	-	-
ASSAY	KL032743	2.26	0.009	-	-
ASSAY	KL032744	2.30	0.005	-	-
ASSAY	KL032745	2.40	0.005	-	-
ASSAY	KL032746	2.20	< 0.005	-	-
ASSAY	KL032747	2.84	0.006	-	-
ASSAY	KL032748	2.40	0.007	-	-
ASSAY	KL032749	2.53	0.006	-	-
ASSAY	KL032750	0.0670	0.332	-	-
ASSAY	KL032751	2.40	< 0.005	-	-
ASSAY	KL032752	2.72	< 0.005	-	-
ASSAY	KL032753	2.76	< 0.005	-	-
ASSAY	KL032754	2.43	< 0.005	-	-
ASSAY	KL032755	2.14	< 0.005	-	-
ASSAY	KL032756	2.32	0.006	-	-
ASSAY	KL032757	2.30	< 0.005	-	-
ASSAY	KL032758	2.97	0.005	-	-
ASSAY	KL032759	2.37	< 0.005	-	-
ASSAY	KL032760	0.584	< 0.005	-	-
ASSAY	KL032761	2.40	< 0.005	-	-
ASSAY	KL032762	2.79	0.009	-	-
ASSAY	KL032763	2.37	0.006	-	-
ASSAY	KL032764	2.38	< 0.005	-	-
ASSAY	KL032765	1.15	0.006	-	-
ASSAY	KL032766	1.65	0.012	-	-
ASSAY	KL032767	2.11	< 0.005	-	-
ASSAY	KL032768	2.36	0.010	-	-
ASSAY	KL032769	1.04	0.005	-	-
ASSAY	KL032770	0.0670	0.740	-	-
ASSAY	KL032771	1.39	0.015	-	-
ASSAY	KL032772	1.38	0.005	-	-
ASSAY	KL032773	1.17	0.006	-	-
ASSAY	KL032774	2.39	0.008	-	-
PULPDUP	KL032638	-	< 0.005	-	-
PULPDUP	KL032648	-	< 0.005	-	-
PULPDUP	KL032658	-	0.005	-	-
PULPDUP	KL032673	-	0.006	-	-
PREPDUP	KL032678	-	< 0.005	-	-
PULPDUP	KL032682	-	< 0.005	-	-
PULPDUP	KL032692	-	< 0.005	-	-
PULPDUP	KL032707	-	< 0.005	-	-
PULPDUP	KL032717	-	0.010	-	-
PULPDUP	KL032727	-	0.009	-	-

Results

Activation Laboratories Ltd.

Report: A22-15349

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PREPDUP	KL032728	-	< 0.005	-	-
PULPDUP	KL032741	-	< 0.005	-	-
PULPDUP	KL032751	-	0.005	-	-
PULPDUP	KL032761	-	< 0.005	-	-



Report No.: A22-15958
Report Date: 07-Nov-22
Date Submitted: 31-Oct-22
Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

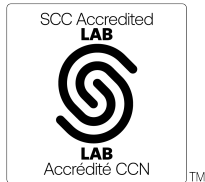
Table with 3 columns: Analytical package requested, Test Name, and Testing Date. Rows include 1A2-Timmins (10g/m t), QOP AA-Au (Au - Fire Assay AA), and Weight Rpt (kg)-Timmins, Received Weights.

REPORT A22-15958

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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]

Rob Hoffman
Region Manager

	SAMPLE	Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032872	1.26	< 0.005	-	-
ASSAY	KL032873	1.24	0.076	-	-
ASSAY	KL032874	2.61	0.008	-	-
ASSAY	KL032875	2.27	0.009	-	-
ASSAY	KL032876	1.27	0.028	-	-
ASSAY	KL032877	1.30	0.291	-	-
ASSAY	KL032878	1.38	0.072	-	-
ASSAY	KL032879	1.13	0.016	-	-
ASSAY	KL032880	0.969	< 0.005	-	-
ASSAY	KL032881	2.54	0.010	-	-
ASSAY	KL032882	2.53	0.051	-	-
ASSAY	KL032883	2.56	< 0.005	-	-
ASSAY	KL032884	2.68	< 0.005	-	-
ASSAY	KL032885	2.76	0.021	-	-
ASSAY	KL032886	1.25	0.008	-	-
ASSAY	KL032887	1.28	< 0.005	-	-
ASSAY	KL032888	1.10	0.057	-	-
ASSAY	KL032889	1.12	0.016	-	-
ASSAY	KL032890	0.0670	0.744	-	-
ASSAY	KL032891	1.12	< 0.005	-	-
ASSAY	KL032892	2.14	< 0.005	-	-
ASSAY	KL032893	1.98	< 0.005	-	-
ASSAY	KL032894	2.53	0.006	-	-
ASSAY	KL032895	2.40	< 0.005	-	-
ASSAY	KL032896	2.19	0.005	-	-
ASSAY	KL032897	2.22	< 0.005	-	-
ASSAY	KL032898	2.33	< 0.005	-	-
ASSAY	KL032899	2.52	< 0.005	-	-
ASSAY	KL032900	0.697	< 0.005	-	-
ASSAY	KL032901	2.13	< 0.005	-	-
ASSAY	KL032902	2.31	< 0.005	-	-
ASSAY	KL032903	2.50	< 0.005	-	-
ASSAY	KL032904	2.45	0.016	-	-
ASSAY	KL032905	1.90	< 0.005	-	-
ASSAY	KL032906	2.77	< 0.005	-	-
ASSAY	KL032907	2.46	< 0.005	-	-
ASSAY	KL032908	2.35	0.005	-	-
ASSAY	KL032909	2.39	0.005	-	-
ASSAY	KL032910	0.0670	0.334	-	-
ASSAY	KL032911	2.87	0.009	-	-
ASSAY	KL032912	2.26	0.011	-	-
ASSAY	KL032913	2.37	0.049	-	-
ASSAY	KL032914	2.35	1.11	-	-
ASSAY	KL032915	2.18	1.15	-	-
ASSAY	KL032916	2.18	0.016	-	-
ASSAY	KL032917	0.998	0.119	-	-
ASSAY	KL032918	1.34	0.019	-	-
ASSAY	KL032919	1.19	1.17	-	-
ASSAY	KL032920	0.811	< 0.005	-	-
ASSAY	KL032921	1.29	< 0.005	-	-
ASSAY	KL032922	2.01	< 0.005	-	-
ASSAY	KL032923	2.39	< 0.005	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032924	2.84	< 0.005	-	-
ASSAY	KL032925	2.45	< 0.005	-	-
ASSAY	KL032926	2.18	0.006	-	-
ASSAY	KL032927	2.27	< 0.005	-	-
ASSAY	KL032928	2.60	0.005	-	-
ASSAY	KL032929	2.21	0.103	-	-
ASSAY	KL032930	0.0670	0.338	-	-
ASSAY	KL032931	2.18	0.019	-	-
ASSAY	KL032932	1.77	0.277	-	-
ASSAY	KL032933	2.44	0.211	-	-
ASSAY	KL032934	2.26	0.039	-	-
ASSAY	KL032935	1.98	0.058	-	-
PULPDUP	KL032880	-	< 0.005	-	-
PULPDUP	KL032891	-	< 0.005	-	-
PULPDUP	KL032900	-	< 0.005	-	-
PULPDUP	KL032907	-	< 0.005	-	-
PREPDUP	KL032921	-	< 0.005	-	-
PULPDUP	KL032929	-	0.104	-	-



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

Report No.: A22-15963-Au
 Report Date: 03-Nov-22
 Date Submitted: 31-Oct-22
 Your Reference: Carscallen

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

97 Rock samples were submitted for analysis.

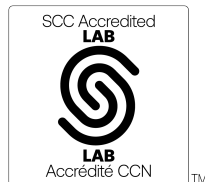
The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2022-11-02 15:49:23
Weight Rpt (kg)-Timmins	Received Weights	2022-11-03 10:13:02

REPORT **A22-15963-Au**

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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:

Mark Vandergeest
 Quality Control Coordinator

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032775	2.63	< 0.005	-	-
ASSAY	KL032776	2.66	< 0.005	-	-
ASSAY	KL032777	2.36	< 0.005	-	-
ASSAY	KL032778	2.46	< 0.005	-	-
ASSAY	KL032779	3.01	< 0.005	-	-
ASSAY	KL032780	1.17	< 0.005	-	-
ASSAY	KL032781	2.29	< 0.005	-	-
ASSAY	KL032782	2.87	0.027	-	-
ASSAY	KL032783	2.19	< 0.005	-	-
ASSAY	KL032784	2.46	< 0.005	-	-
ASSAY	KL032785	2.33	< 0.005	-	-
ASSAY	KL032786	2.38	0.023	-	-
ASSAY	KL032787	2.31	0.006	-	-
ASSAY	KL032788	2.50	< 0.005	-	-
ASSAY	KL032789	2.16	0.026	-	-
ASSAY	KL032790	0.0670	0.331	-	-
ASSAY	KL032791	2.25	0.024	-	-
ASSAY	KL032792	1.79	0.023	-	-
ASSAY	KL032793	2.46	0.038	-	-
ASSAY	KL032794	2.41	0.023	-	-
ASSAY	KL032795	1.20	< 0.005	-	-
ASSAY	KL032796	1.52	0.186	-	-
ASSAY	KL032797	2.15	0.005	-	-
ASSAY	KL032798	2.40	0.026	-	-
ASSAY	KL032799	1.95	0.117	-	-
ASSAY	KL032800	1.10	< 0.005	-	-
ASSAY	KL032801	2.31	0.482	-	-
ASSAY	KL032802	2.42	0.116	-	-
ASSAY	KL032803	2.14	0.025	-	-
ASSAY	KL032804	2.00	< 0.005	-	-
ASSAY	KL032805	2.28	0.095	-	-
ASSAY	KL032806	2.19	0.031	-	-
ASSAY	KL032807	2.26	< 0.005	-	-
ASSAY	KL032808	2.42	0.029	-	-
ASSAY	KL032809	2.56	0.028	-	-
ASSAY	KL032810	0.0670	0.328	-	-
ASSAY	KL032811	1.22	0.043	-	-
ASSAY	KL032812	0.784	< 0.005	-	-
ASSAY	KL032813	2.29	< 0.005	-	-
ASSAY	KL032814	2.40	0.006	-	-
ASSAY	KL032815	2.32	0.024	-	-
ASSAY	KL032816	2.03	0.031	-	-
ASSAY	KL032817	2.06	< 0.005	-	-
ASSAY	KL032818	2.28	0.010	-	-
ASSAY	KL032819	2.18	< 0.005	-	-
ASSAY	KL032820	0.939	< 0.005	-	-
ASSAY	KL032821	2.74	0.021	-	-
ASSAY	KL032822	2.37	< 0.005	-	-
ASSAY	KL032823	1.93	0.014	-	-
ASSAY	KL032824	2.32	0.028	-	-
ASSAY	KL032825	1.88	0.037	-	-
ASSAY	KL032826	1.08	0.553	-	-

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt Kg	Au g/mt	Au	Au
ASSAY	KL032827	1.22	0.455	-	-
ASSAY	KL032828	2.14	0.014	-	-
ASSAY	KL032829	1.97	< 0.005	-	-
ASSAY	KL032830	0.0670	0.734	-	-
ASSAY	KL032831	2.09	0.016	-	-
ASSAY	KL032832	2.19	0.083	-	-
ASSAY	KL032833	2.27	0.077	-	-
ASSAY	KL032834	1.13	0.532	-	-
ASSAY	KL032835	1.12	0.017	-	-
ASSAY	KL032836	1.04	0.052	-	-
ASSAY	KL032837	1.13	0.126	-	-
ASSAY	KL032838	1.06	0.041	-	-
ASSAY	KL032839	1.70	< 0.005	-	-
ASSAY	KL032840	1.03	< 0.005	-	-
ASSAY	KL032841	1.79	< 0.005	-	-
ASSAY	KL032842	2.29	0.200	-	-
ASSAY	KL032843	2.14	0.249	-	-
ASSAY	KL032844	2.55	0.019	-	-
ASSAY	KL032845	2.38	0.034	-	-
ASSAY	KL032846	2.01	0.020	-	-
ASSAY	KL032847	2.22	0.012	-	-
ASSAY	KL032848	2.33	0.020	-	-
ASSAY	KL032849	2.43	0.005	-	-
ASSAY	KL032850	0.0670	0.329	-	-
ASSAY	KL032851	2.38	< 0.005	-	-
ASSAY	KL032852	2.30	< 0.005	-	-
ASSAY	KL032853	2.34	< 0.005	-	-
ASSAY	KL032854	2.23	< 0.005	-	-
ASSAY	KL032855	2.29	0.013	-	-
ASSAY	KL032856	2.44	0.012	-	-
ASSAY	KL032857	2.36	0.104	-	-
ASSAY	KL032858	2.30	< 0.005	-	-
ASSAY	KL032859	2.54	0.027	-	-
ASSAY	KL032860	1.07	< 0.005	-	-
ASSAY	KL032861	2.41	< 0.005	-	-
ASSAY	KL032862	2.39	< 0.005	-	-
ASSAY	KL032863	2.41	< 0.005	-	-
ASSAY	KL032864	2.47	0.009	-	-
ASSAY	KL032865	2.25	0.220	-	-
ASSAY	KL032866	2.36	0.085	-	-
ASSAY	KL032867	2.04	0.029	-	-
ASSAY	KL032868	2.72	0.024	-	-
ASSAY	KL032869	2.40	0.076	-	-
ASSAY	KL032870	0.0670	0.330	-	-
ASSAY	KL032871	2.46	0.019	-	-
PULPDUP	KL032784	-	0.021	-	-
PULPDUP	KL032794	-	0.035	-	-
PULPDUP	KL032804	-	0.022	-	-
PULPDUP	KL032819	-	< 0.005	-	-
PREPDUP	KL032823	-	0.021	-	-
PULPDUP	KL032829	-	< 0.005	-	-
PULPDUP	KL032839	-	< 0.005	-	-

Results

Activation Laboratories Ltd.

Report: A22-15963

		Wgt	Au-AA	Au-GRA	Au-SCR
SAMPLE TYPE	SAMPLE DESCRIPTION	Wgt	Au	Au	Au
		Kg	g/mt		
PULPDUP	KL032854	-	< 0.005	-	-
PULPDUP	KL032864	-	0.006	-	-



Report No.: A22-15963-1E3
Report Date: 14-Dec-22
Date Submitted: 31-Oct-22
Your Reference: Carscallen

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

ATTN: Peter Caldbick

CERTIFICATE OF ANALYSIS

97 Rock samples were submitted for analysis.

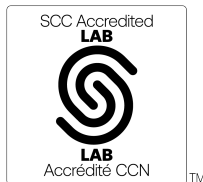
Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1E3-Timmins, QOP AquaGeo (Aqua Regia ICPOES), 2022-12-07 15:11:38

REPORT A22-15963-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 709

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CERTIFIED BY:

Handwritten signature of Mark Vandergeest

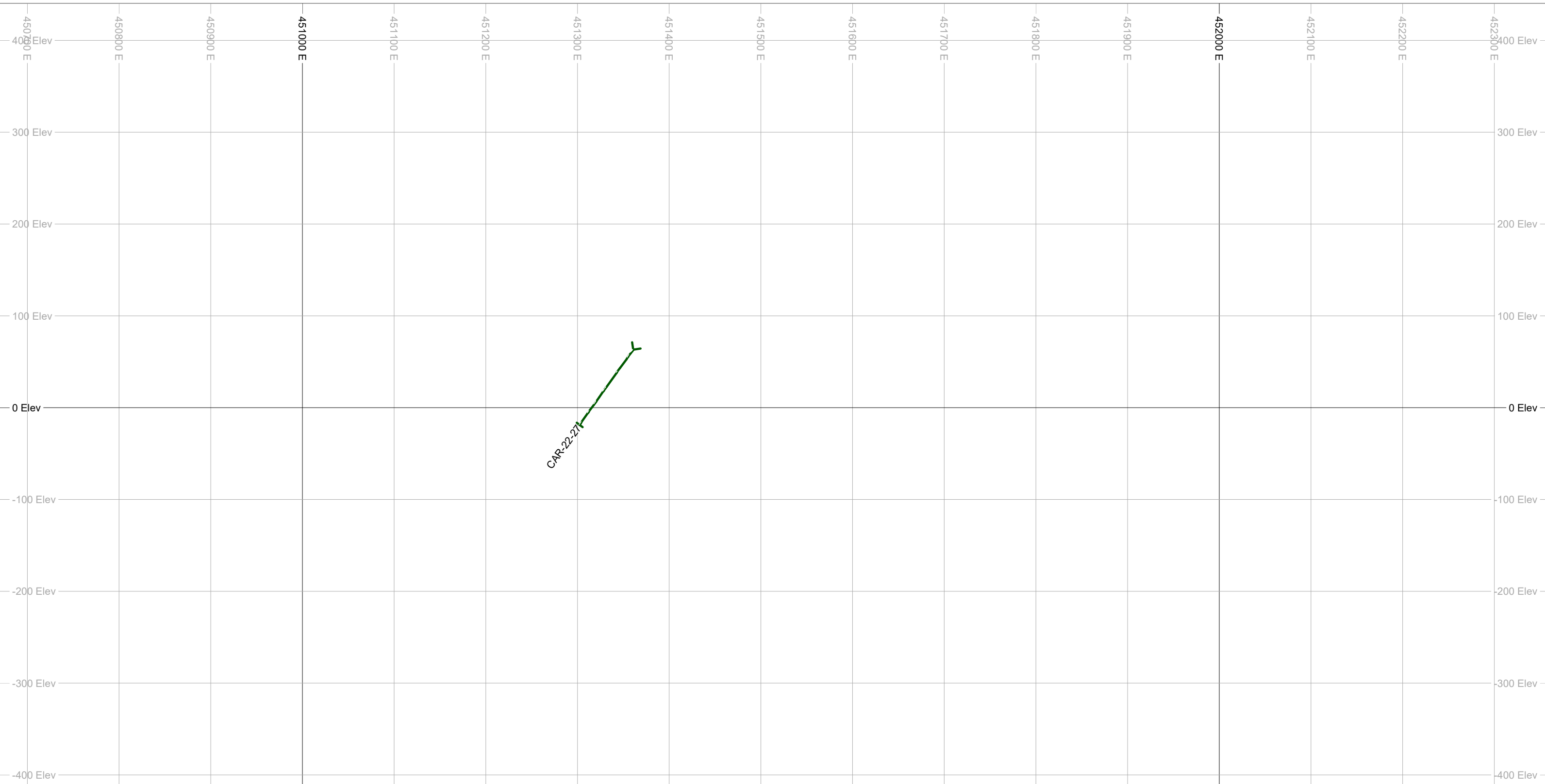
Mark Vandergeest
Quality Control Coordinator

		AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	SAMPLE	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al
SAMPLE TYPE	DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
ASSAY	KL032775	< 0.2	< 0.5	425	3150	< 1	34	3	114	4.22
ASSAY	KL032776	< 0.2	< 0.5	914	3600	< 1	27	< 2	141	5.19

	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
SAMPLE TYPE	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
ASSAY	5	< 10	< 10	< 0.5	5	2.41	38	2	12.3	20
ASSAY	11	< 10	< 10	< 0.5	6	1.19	50	4	14.2	20

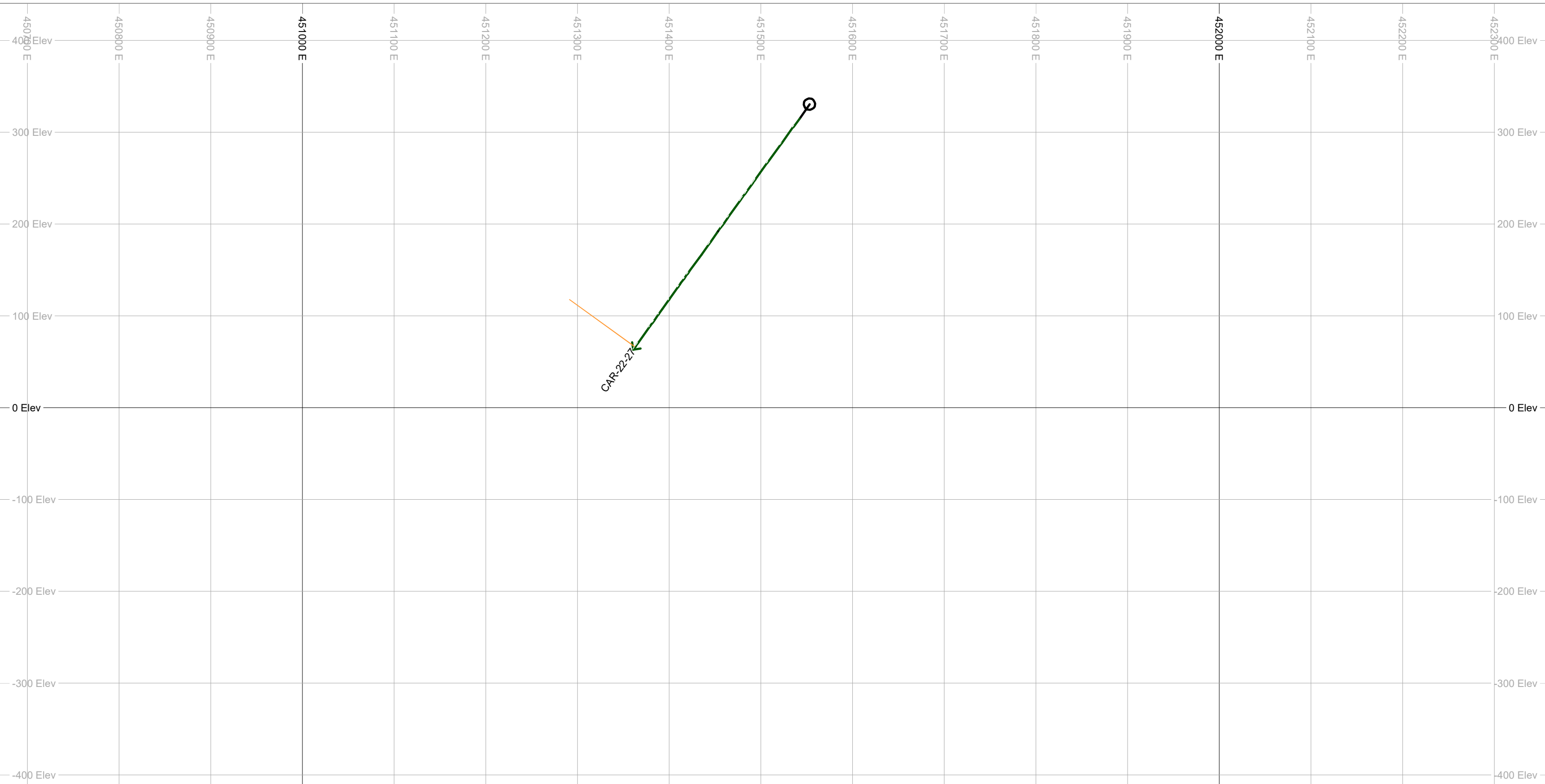
	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr
SAMPLE TYPE	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm
ASSAY	< 1	< 0.01	14	2.91	0.035	0.060	1.46	7	9	119
ASSAY	< 1	< 0.01	14	3.65	0.026	0.056	0.64	6	9	40

	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
	Ti	Th	Te	Tl	U	V	W	Y	Zr
SAMPLE TYPE	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ASSAY	0.23	< 20	2	< 2	< 10	42	< 10	11	8
ASSAY	0.20	< 20	< 1	< 2	< 10	51	< 10	11	6



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

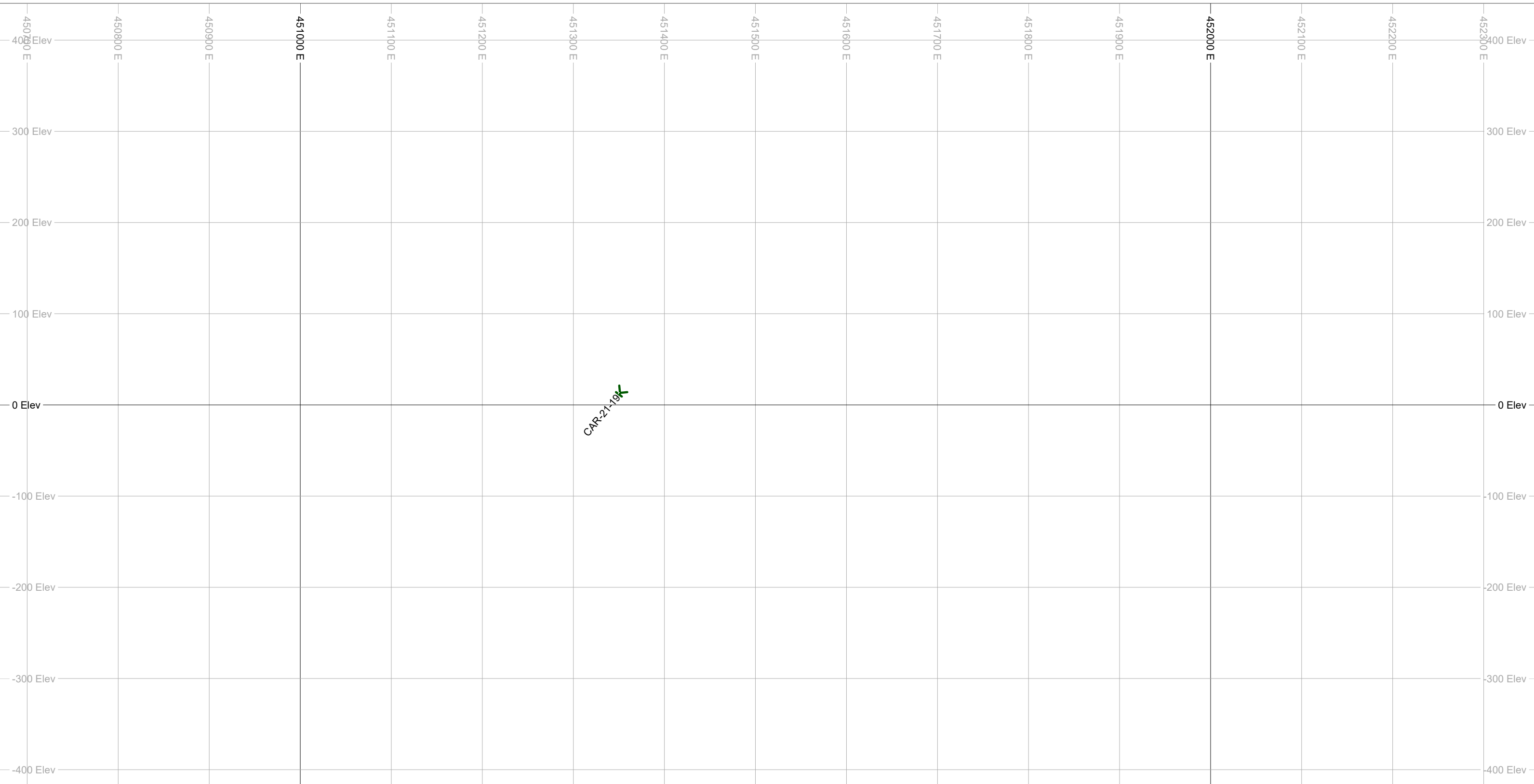
Melkior: 2021-2022 Drilling		
Section 1 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

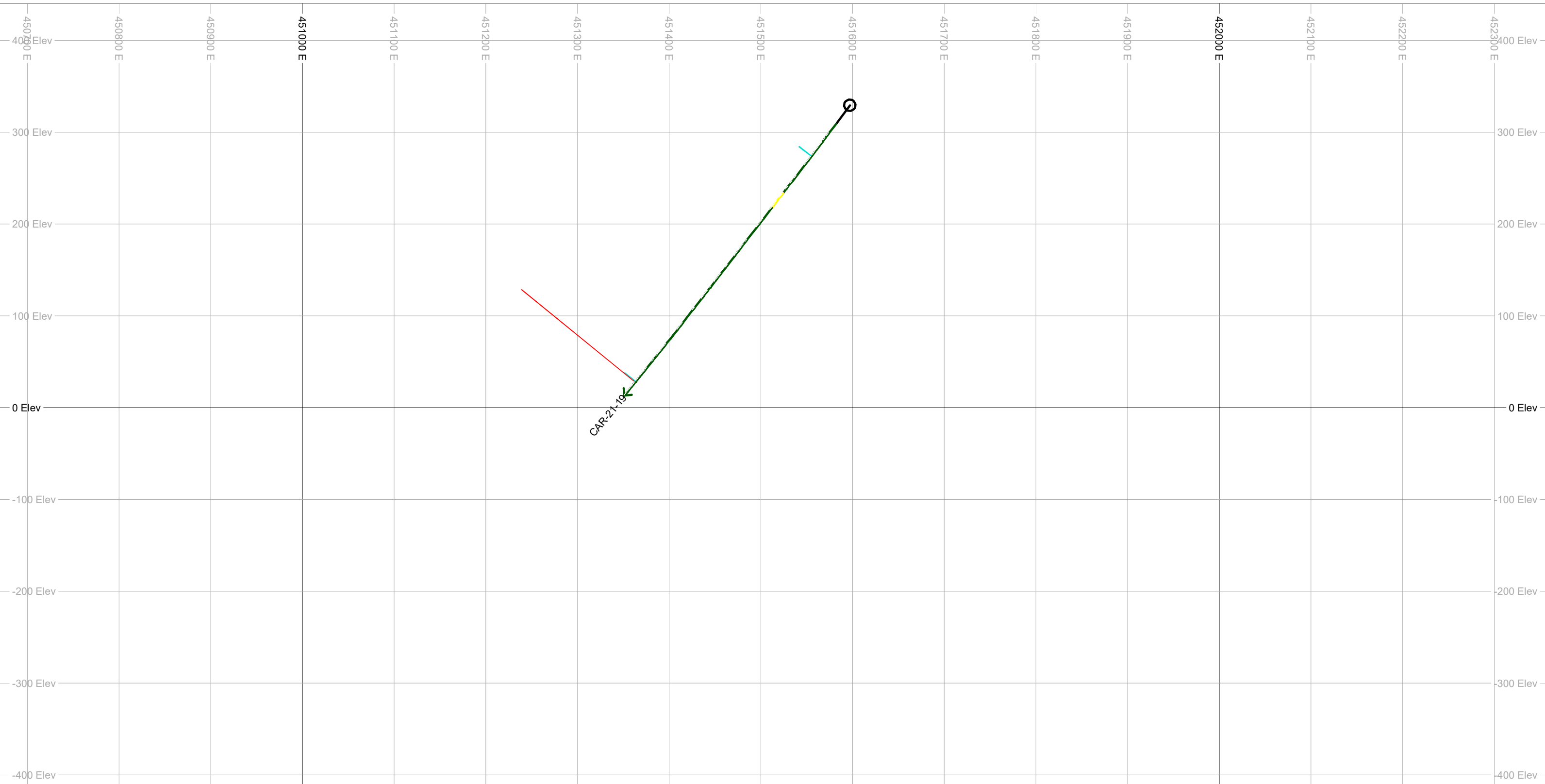
Melkior: 2021-2022 Drilling		
Section 2 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho			
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)

Assays g/t	
Unsampled	Trace
0.5 - 1.0 g/t	1.0 - 2.0 g/t
2.0 - 5.0 g/t	5.0 - 8.0 g/t
8.0 - 10.0 g/t	10.0 - 20.0 g/t
> 20.0 g/t	

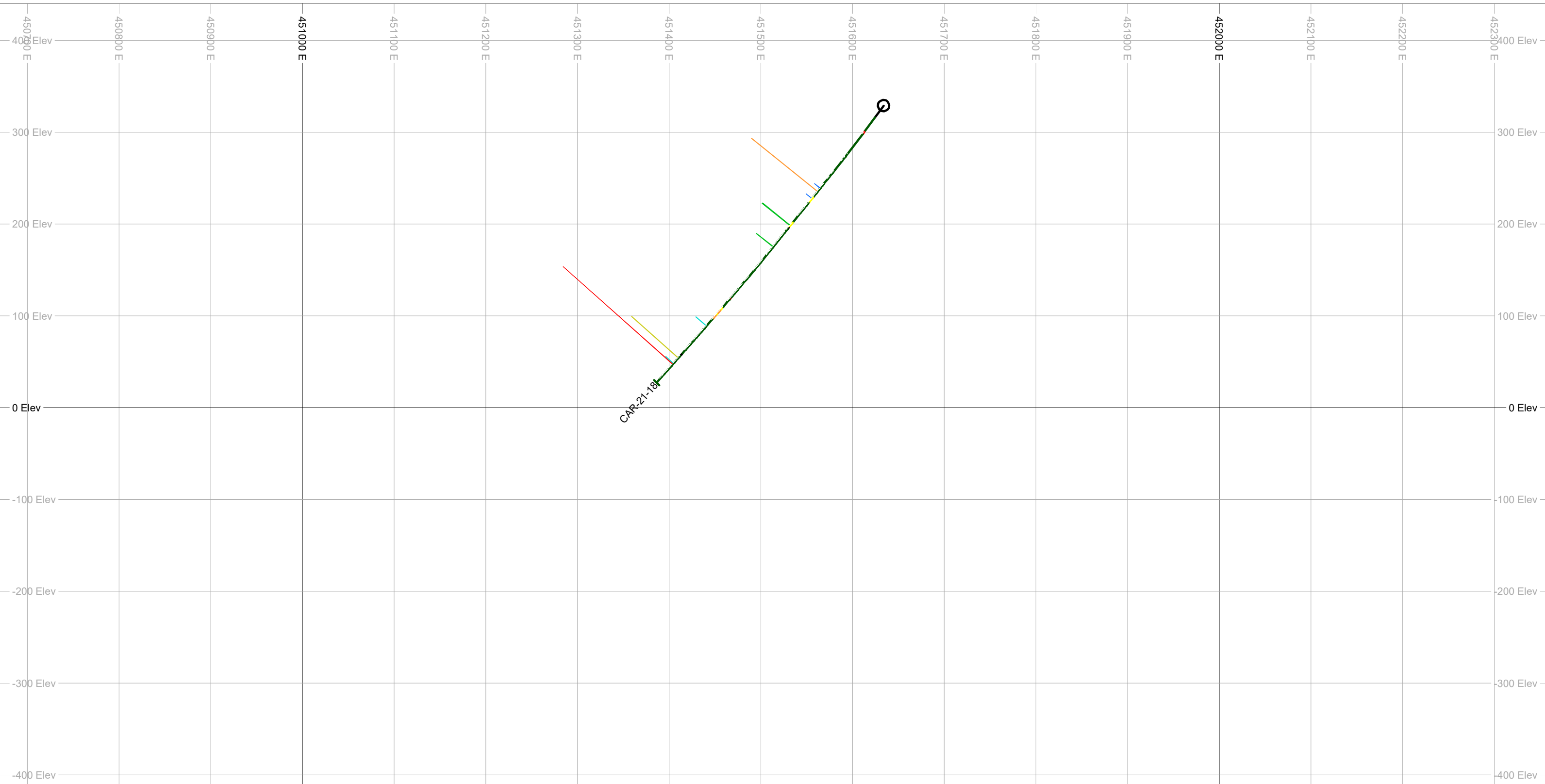
Melkior: 2021-2022 Drilling		
Section 5 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho			
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)

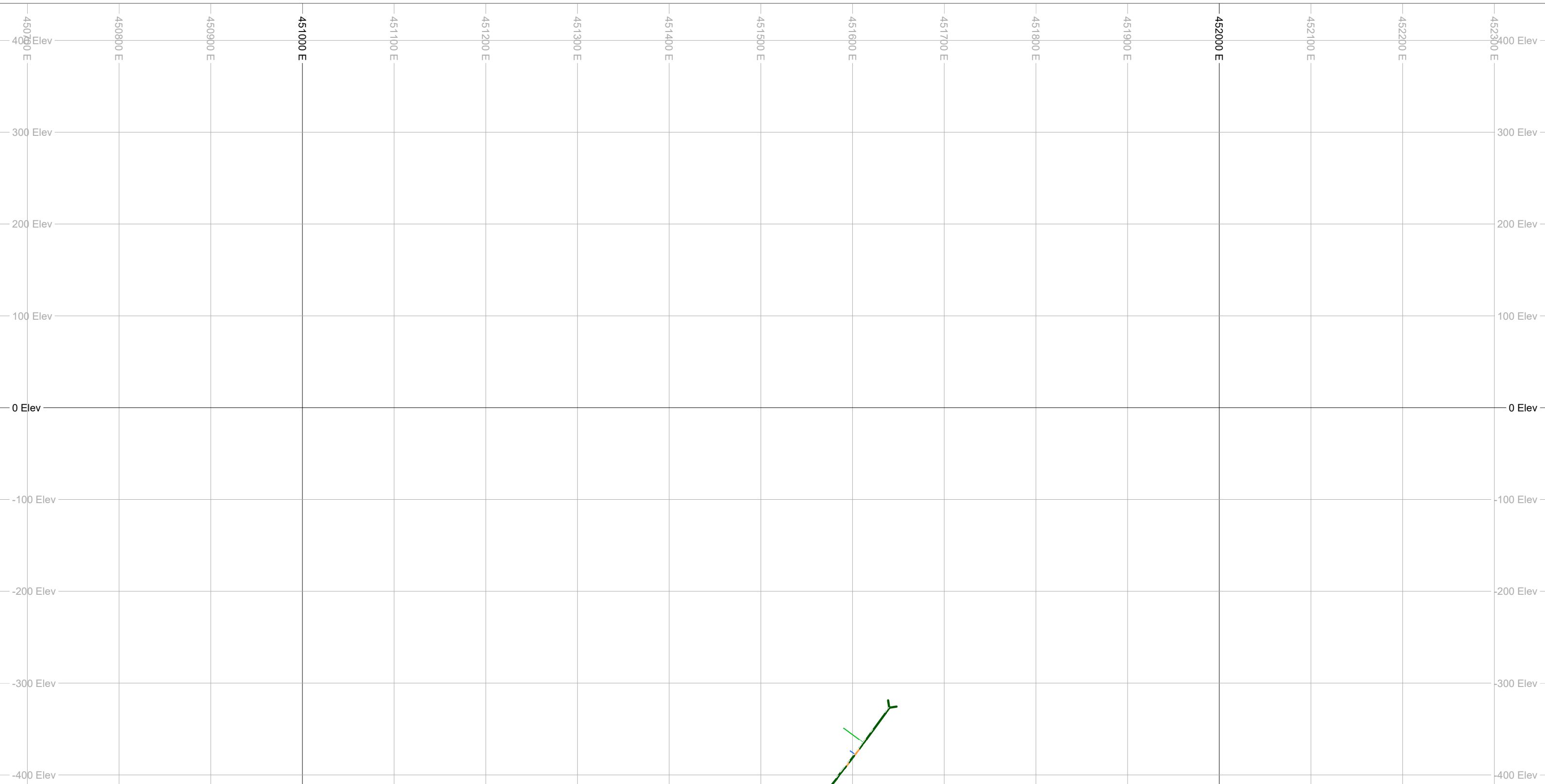
Assays g/t	
Unsampled	Trace
0.5 - 1.0 g/t	1.0 - 2.0 g/t
2.0 - 5.0 g/t	5.0 - 8.0 g/t
8.0 - 10.0 g/t	10.0 - 20.0 g/t
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 6 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

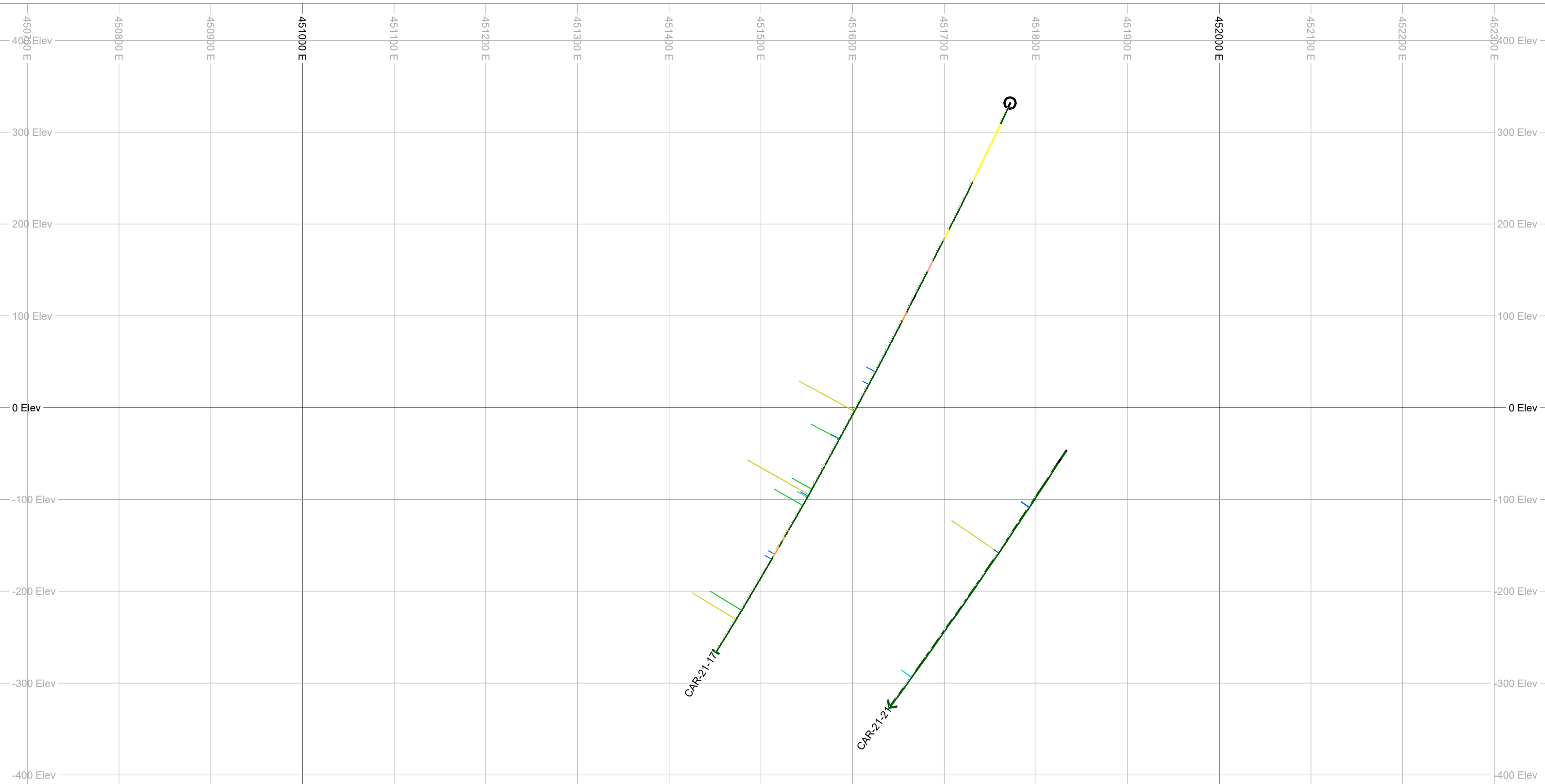
Melkior: 2021-2022 Drilling		
Section 17 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho			
[ABSENT]	Basalt Flow Breccia (BAFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)

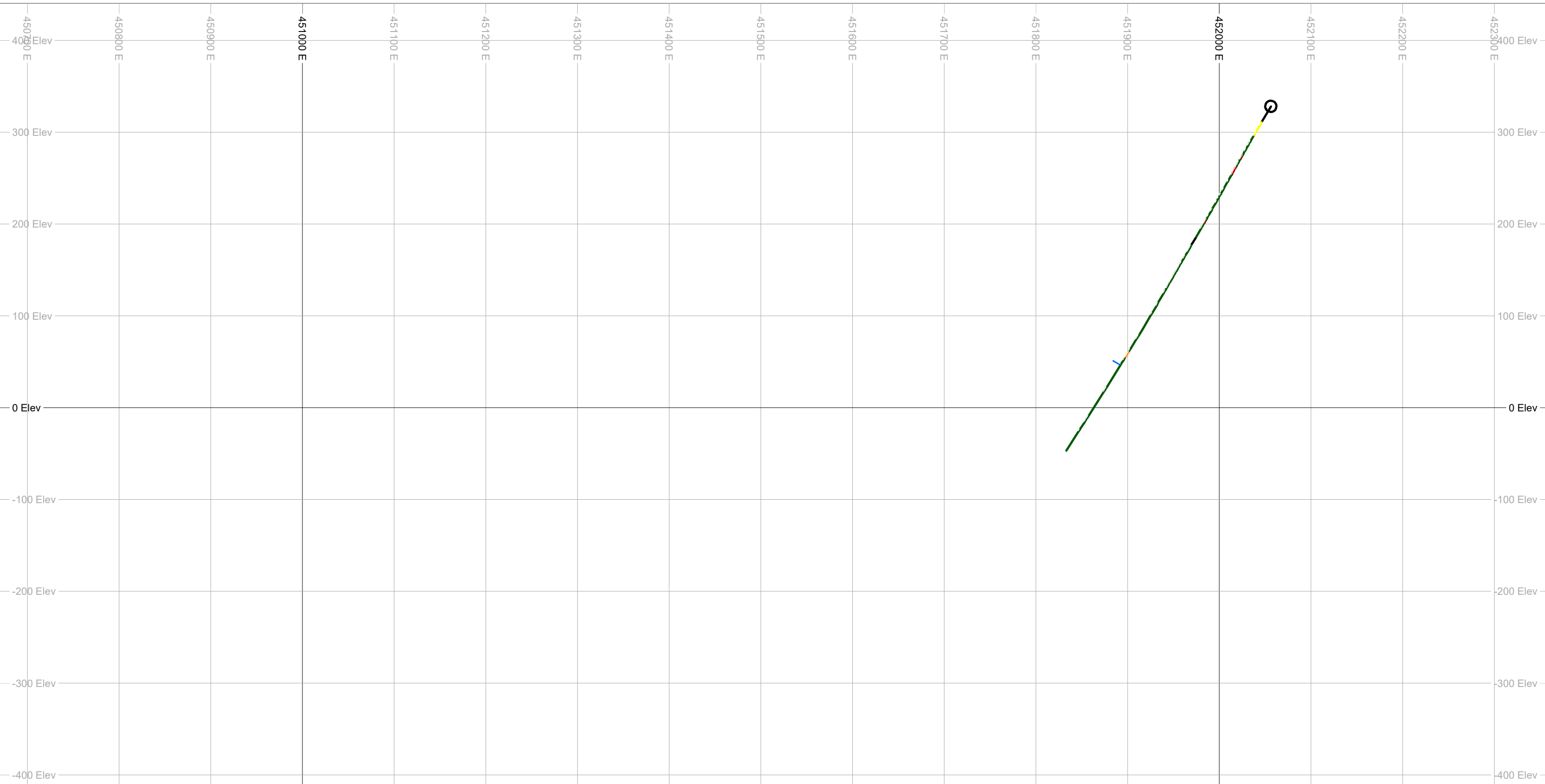
Assays g/t	
Unsampled	Trace
0.5 - 1.0 g/t	1.0 - 2.0 g/t
2.0 - 5.0 g/t	5.0 - 8.0 g/t
8.0 - 10.0 g/t	10.0 - 20.0 g/t
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 26 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



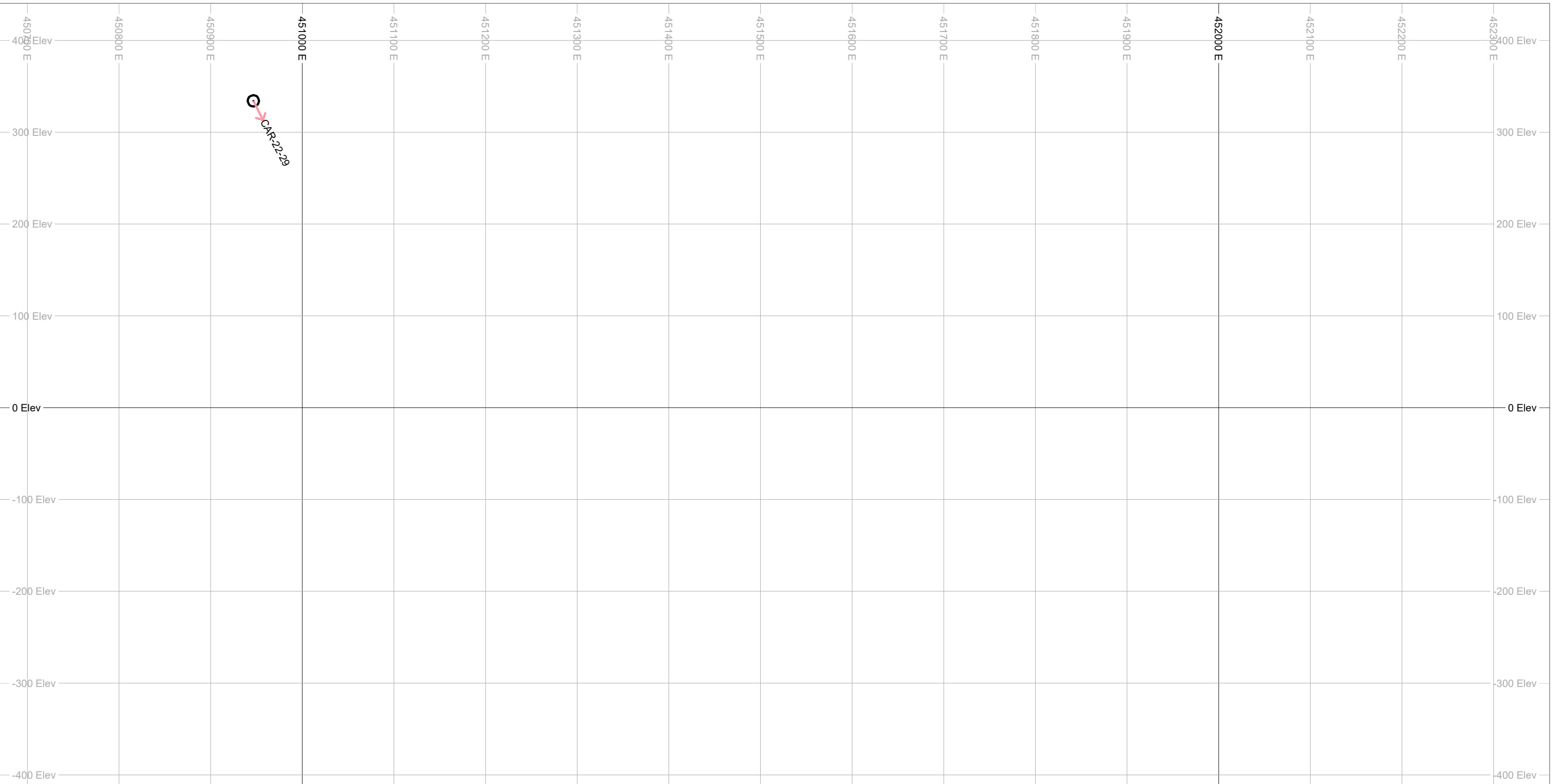
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 27 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

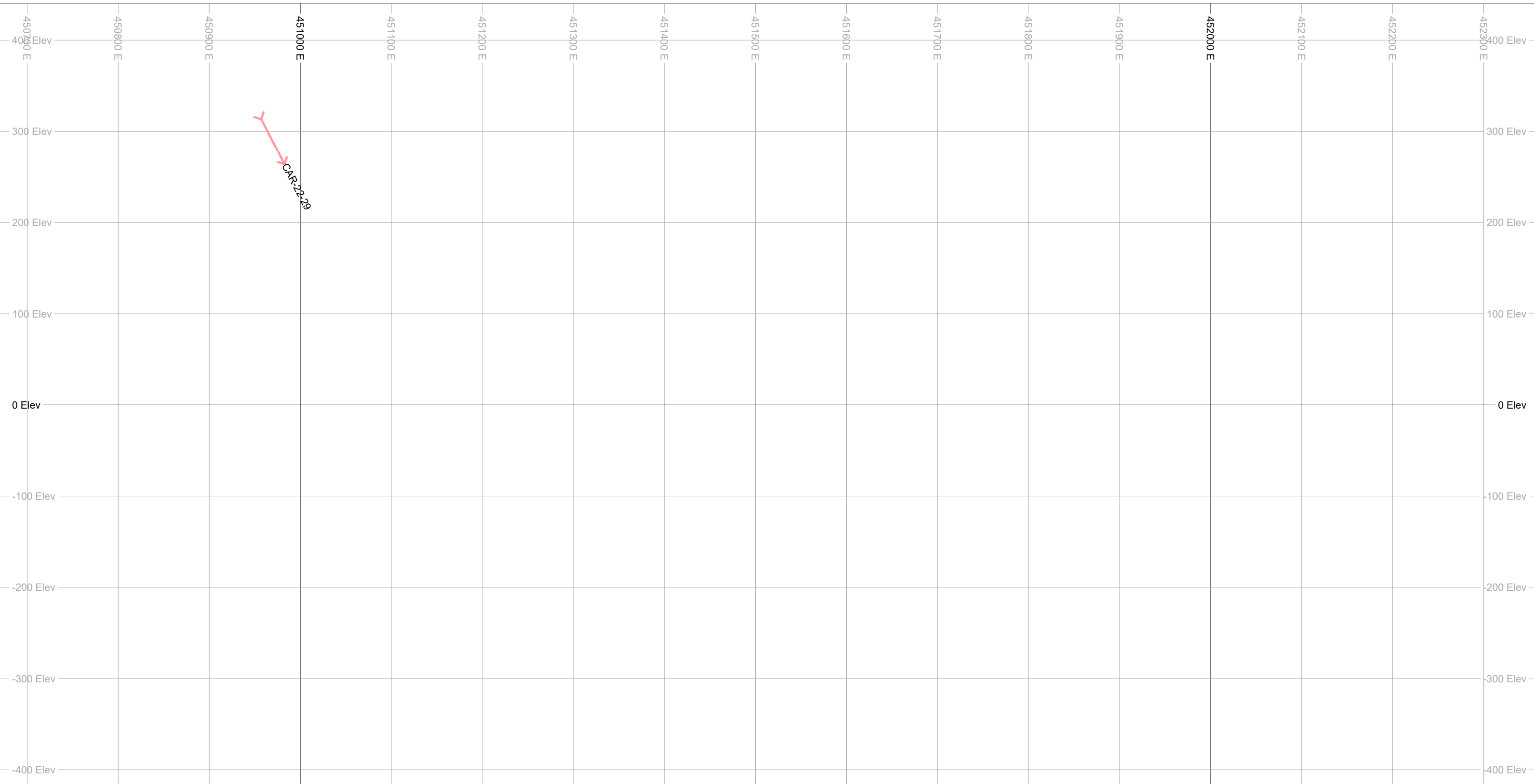
Melkior: 2021-2022 Drilling		
Section 28 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

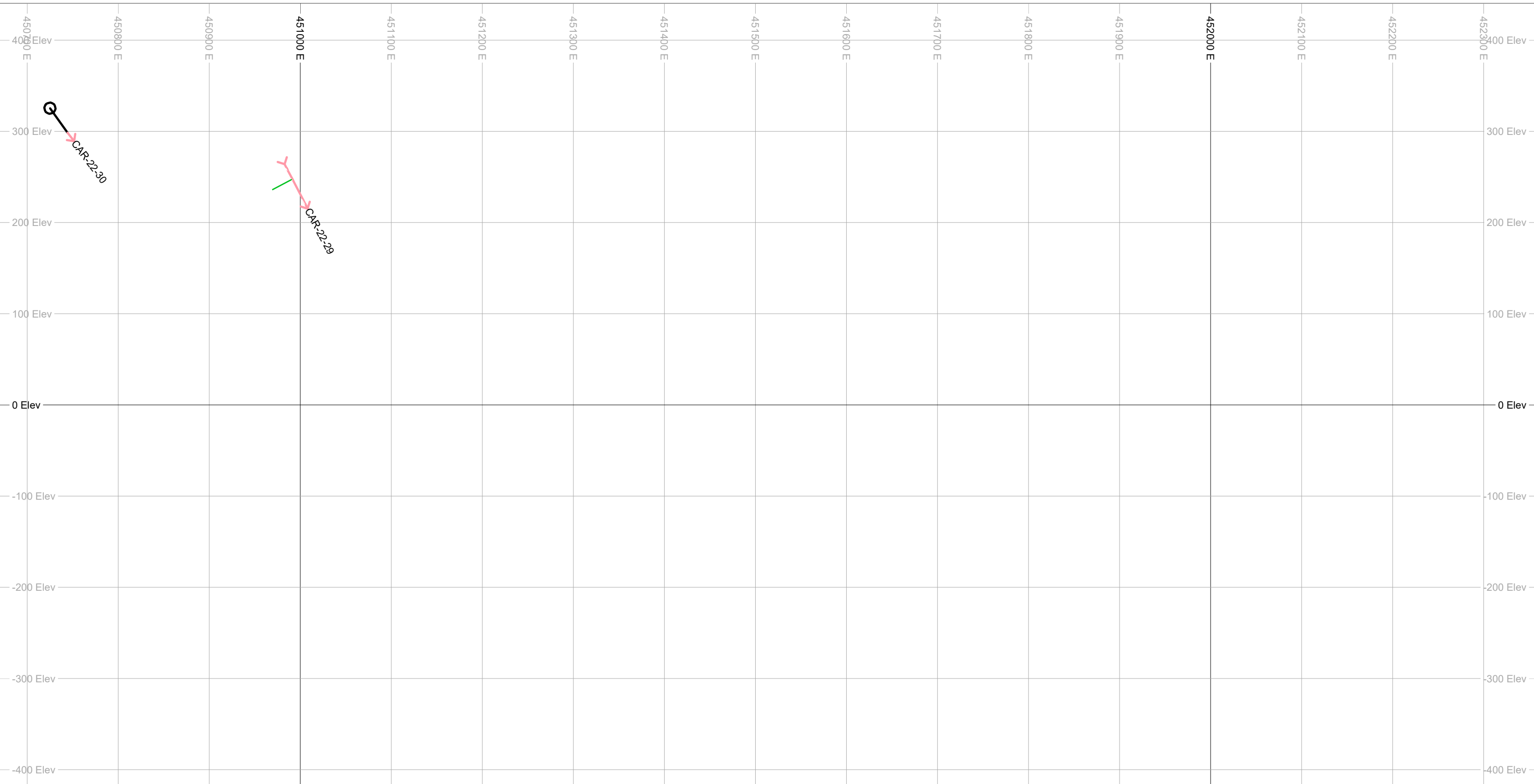
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



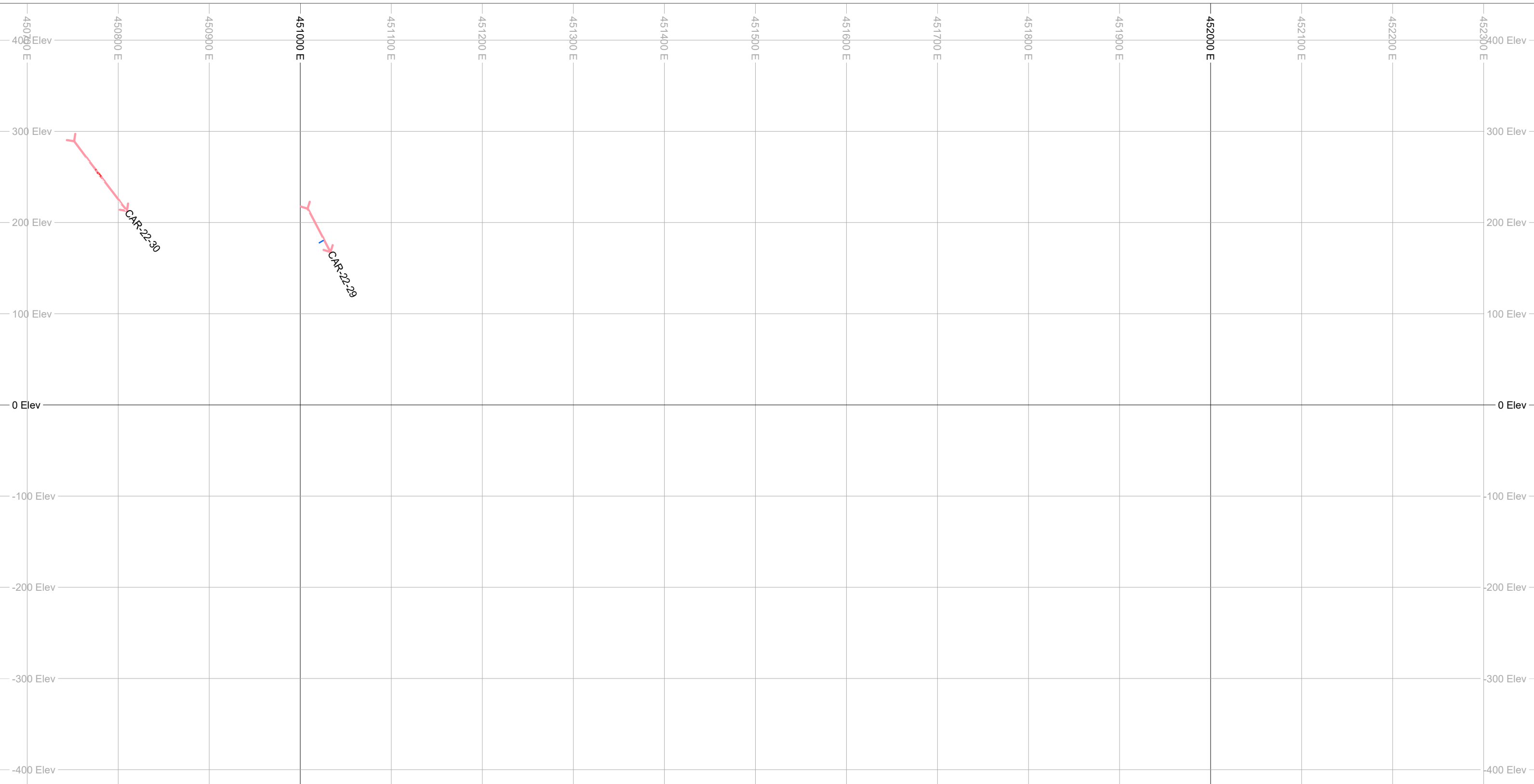
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 37 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



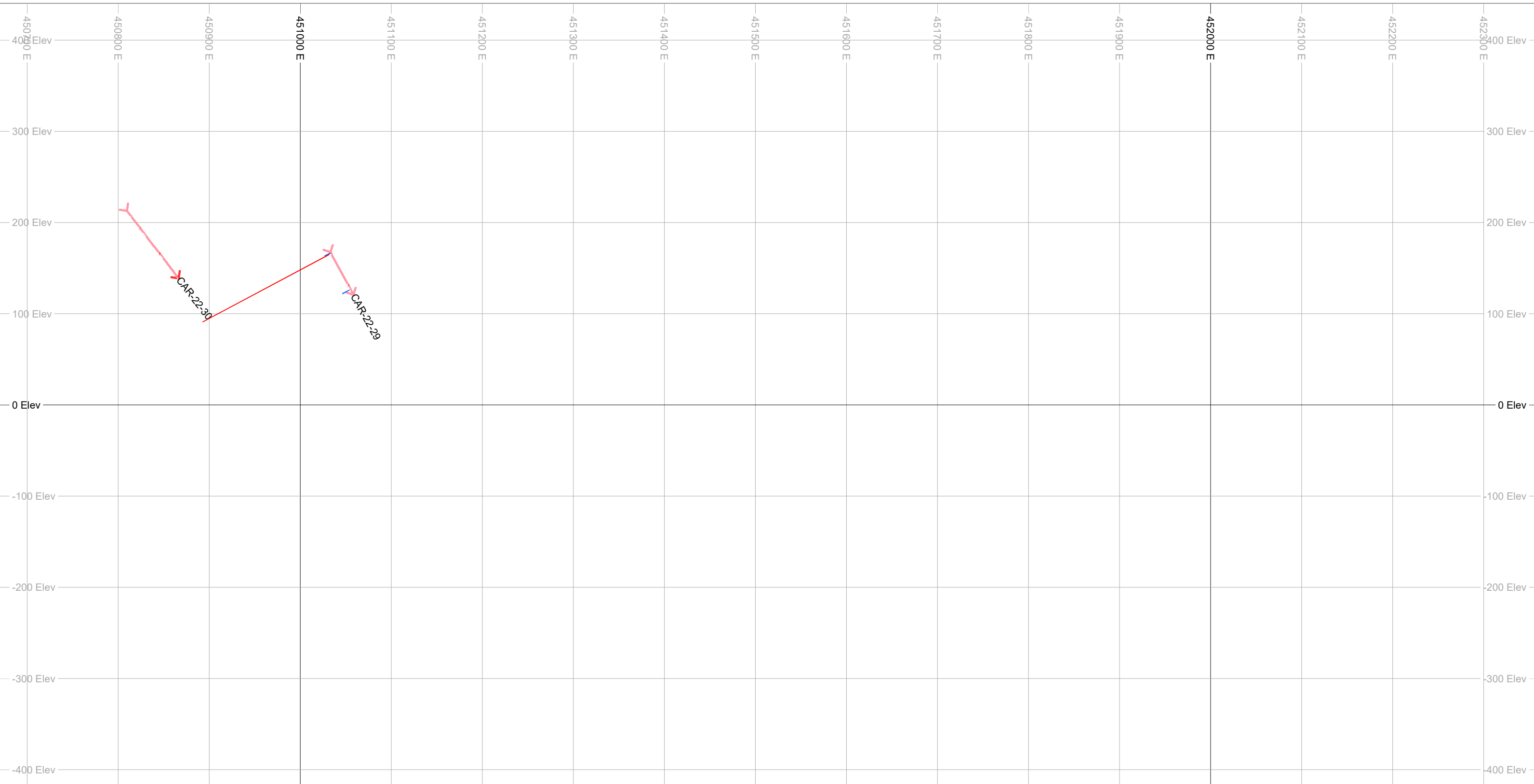
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 38 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

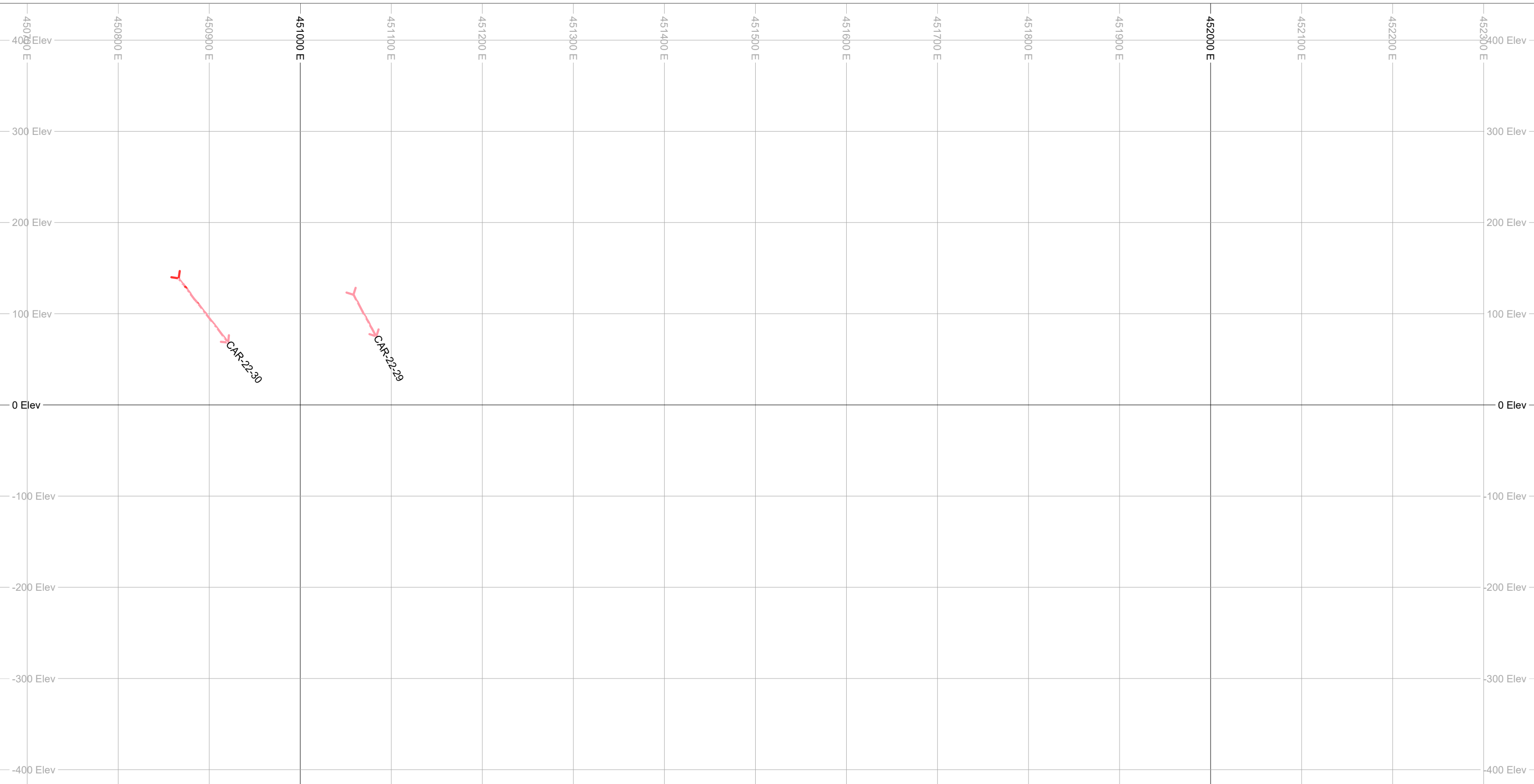
Melkior: 2021-2022 Drilling		
Section 39 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho			
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)

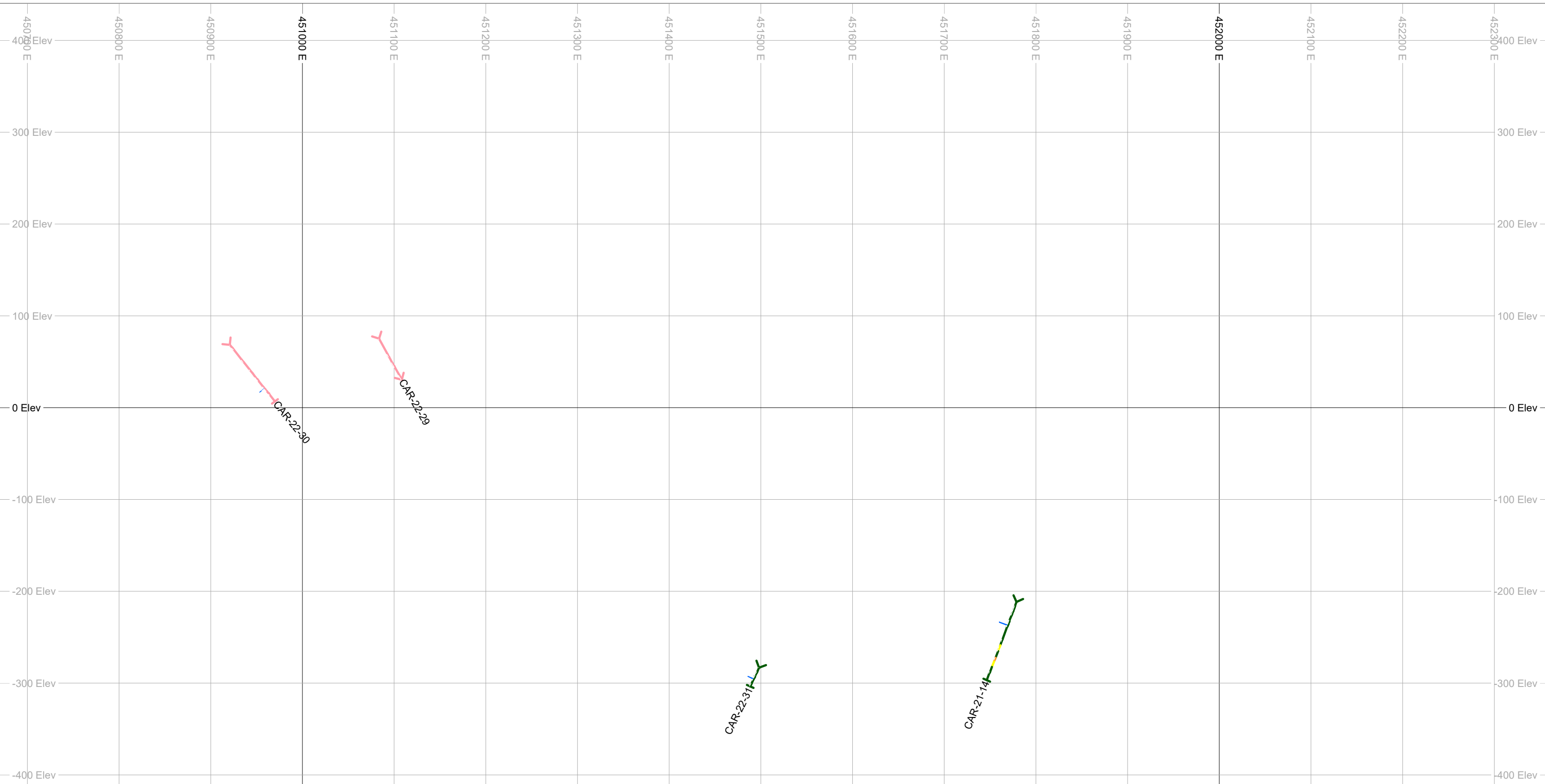
Assays g/t	
Unsampled	Trace
0.5 - 1.0 g/t	1.0 - 2.0 g/t
2.0 - 5.0 g/t	5.0 - 8.0 g/t
8.0 - 10.0 g/t	10.0 - 20.0 g/t
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 40 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



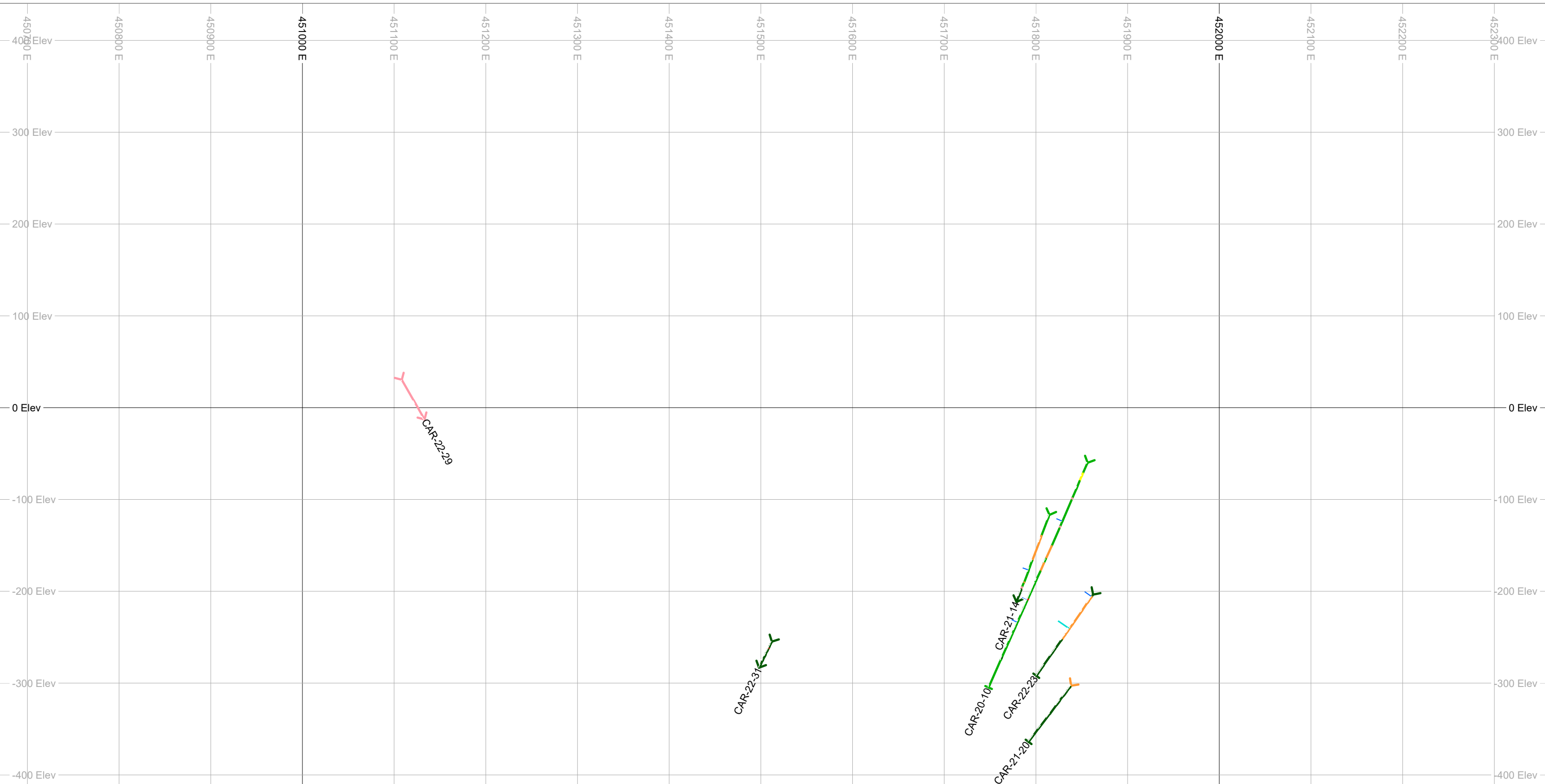
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 41 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



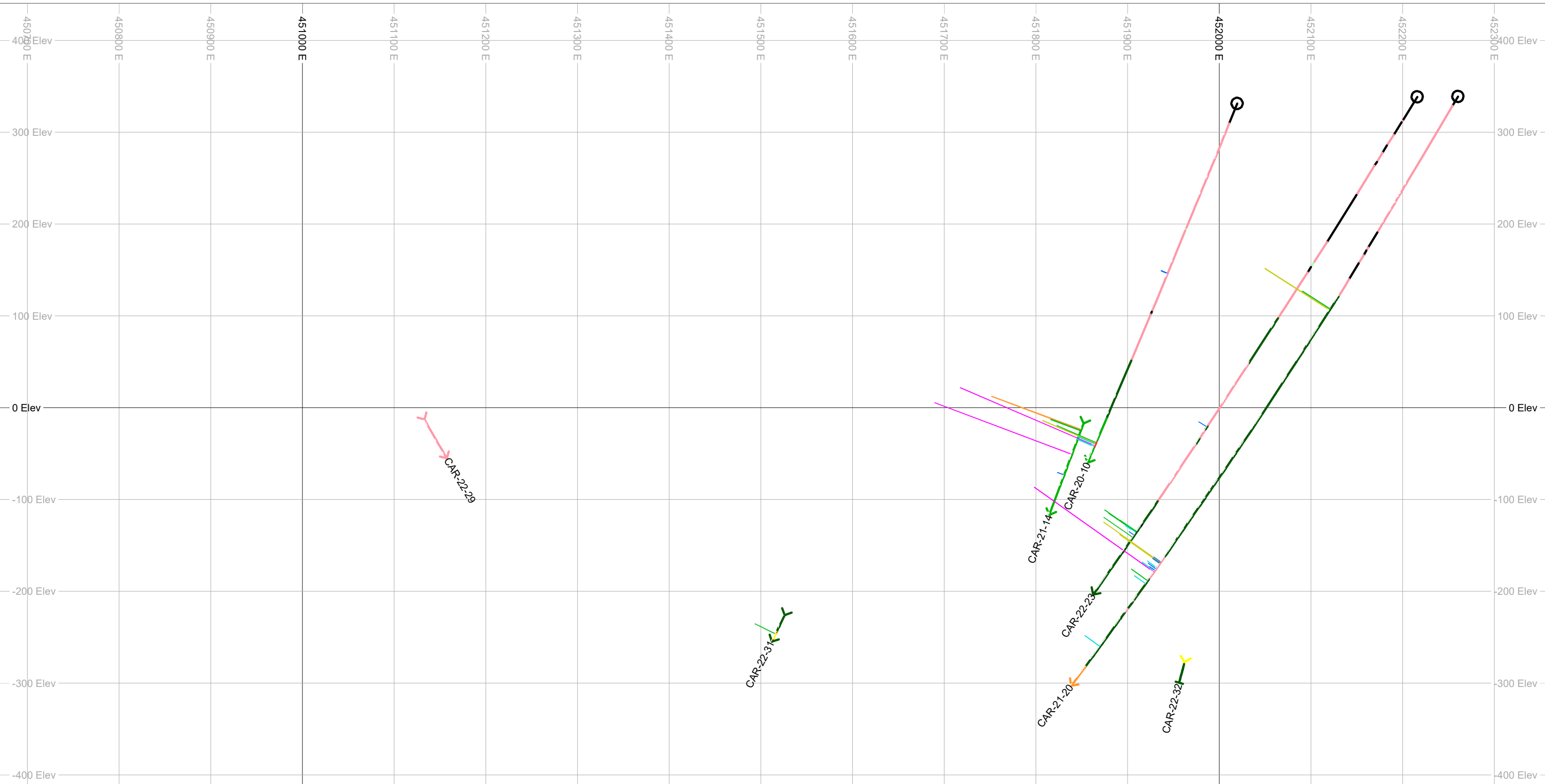
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 42 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



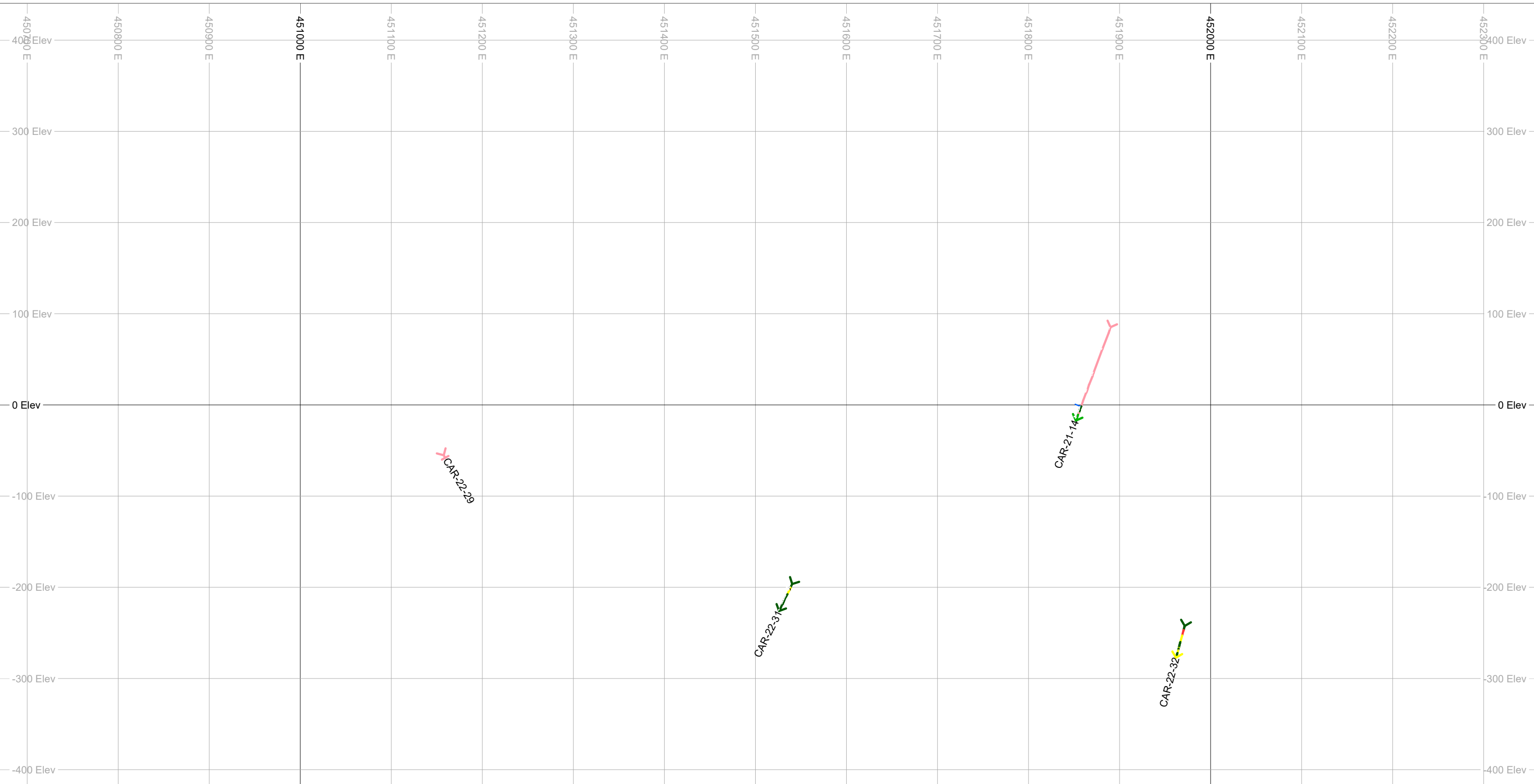
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 43 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



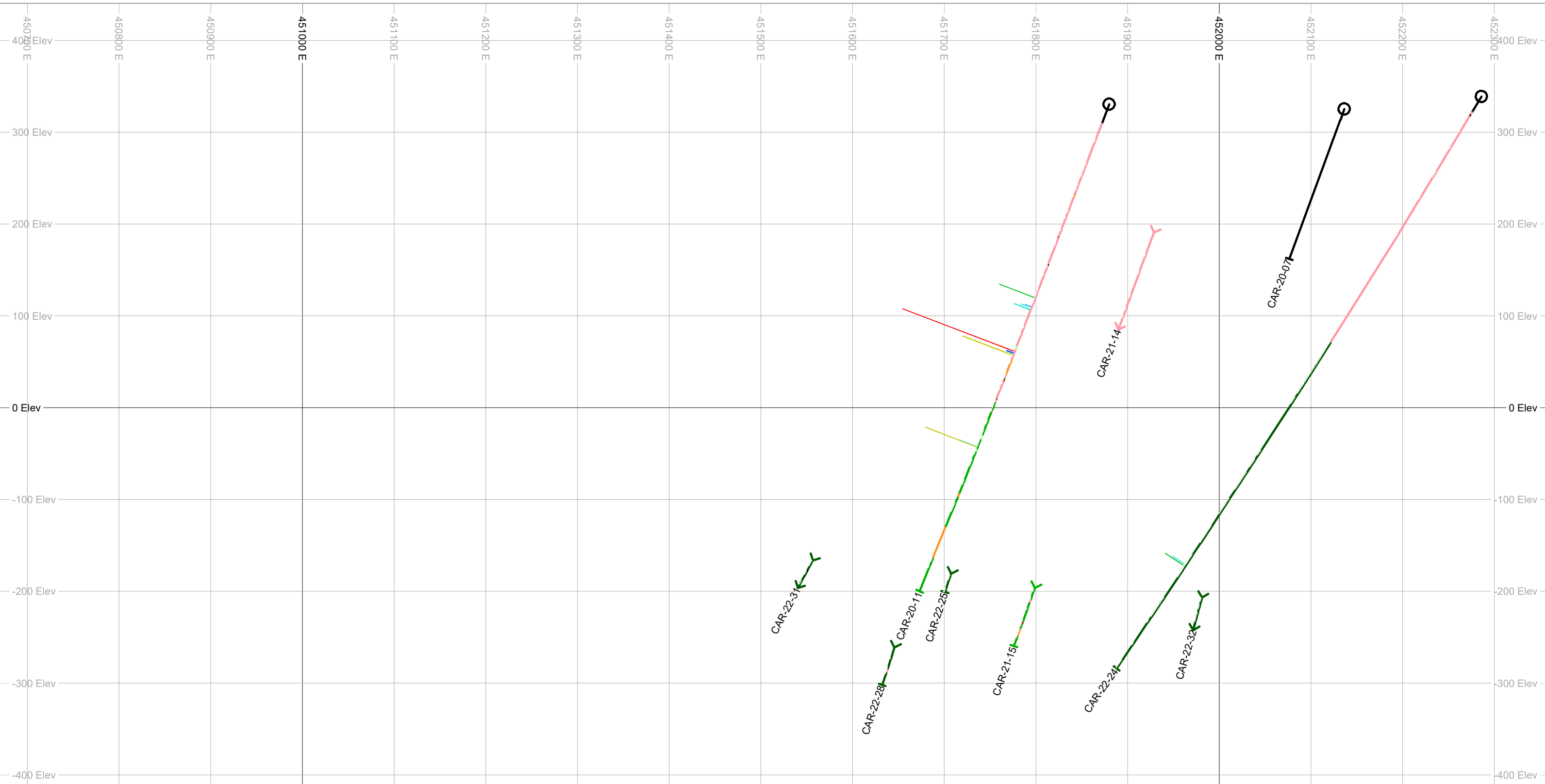
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonalized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 44 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



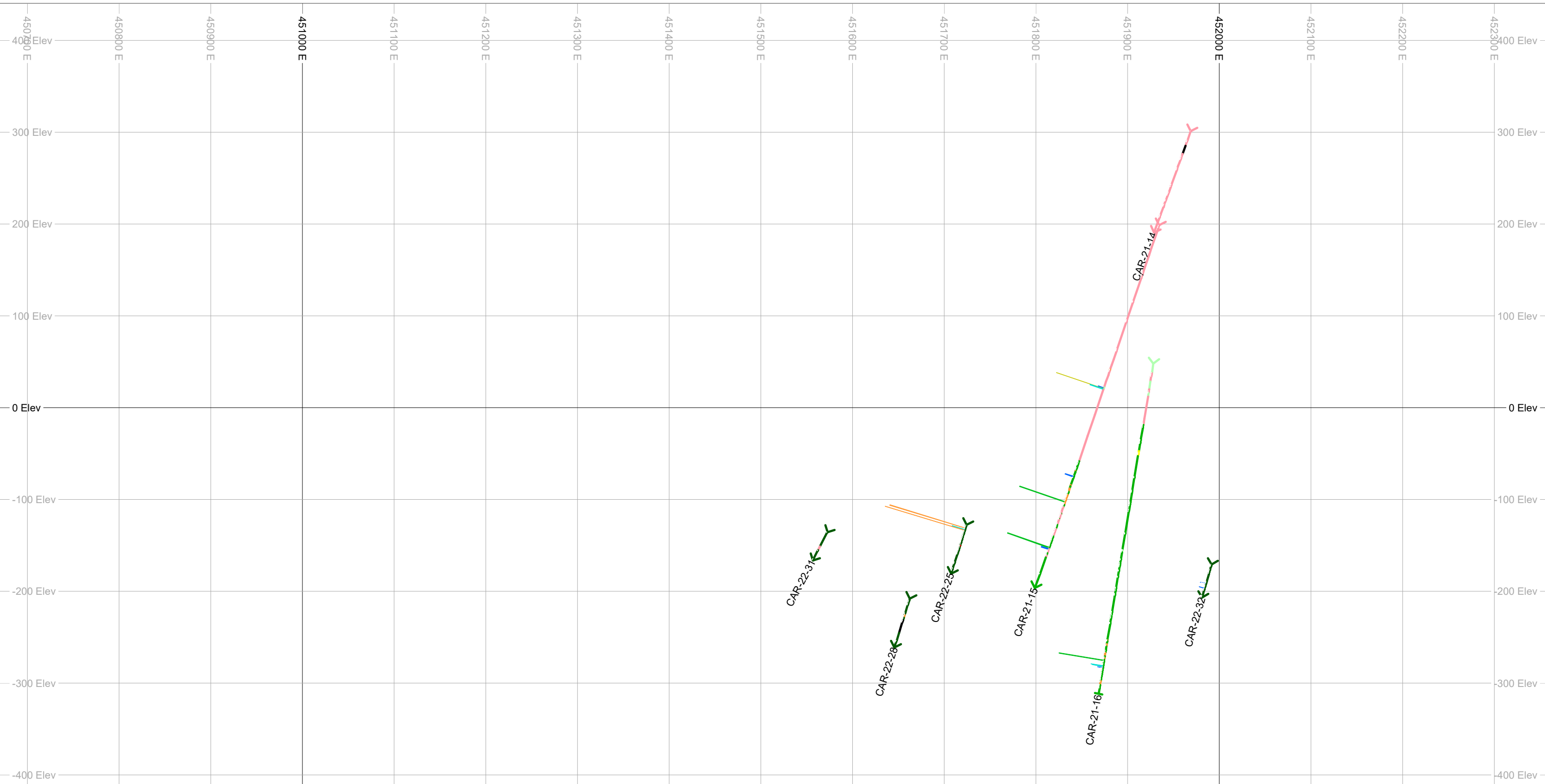
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 45 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



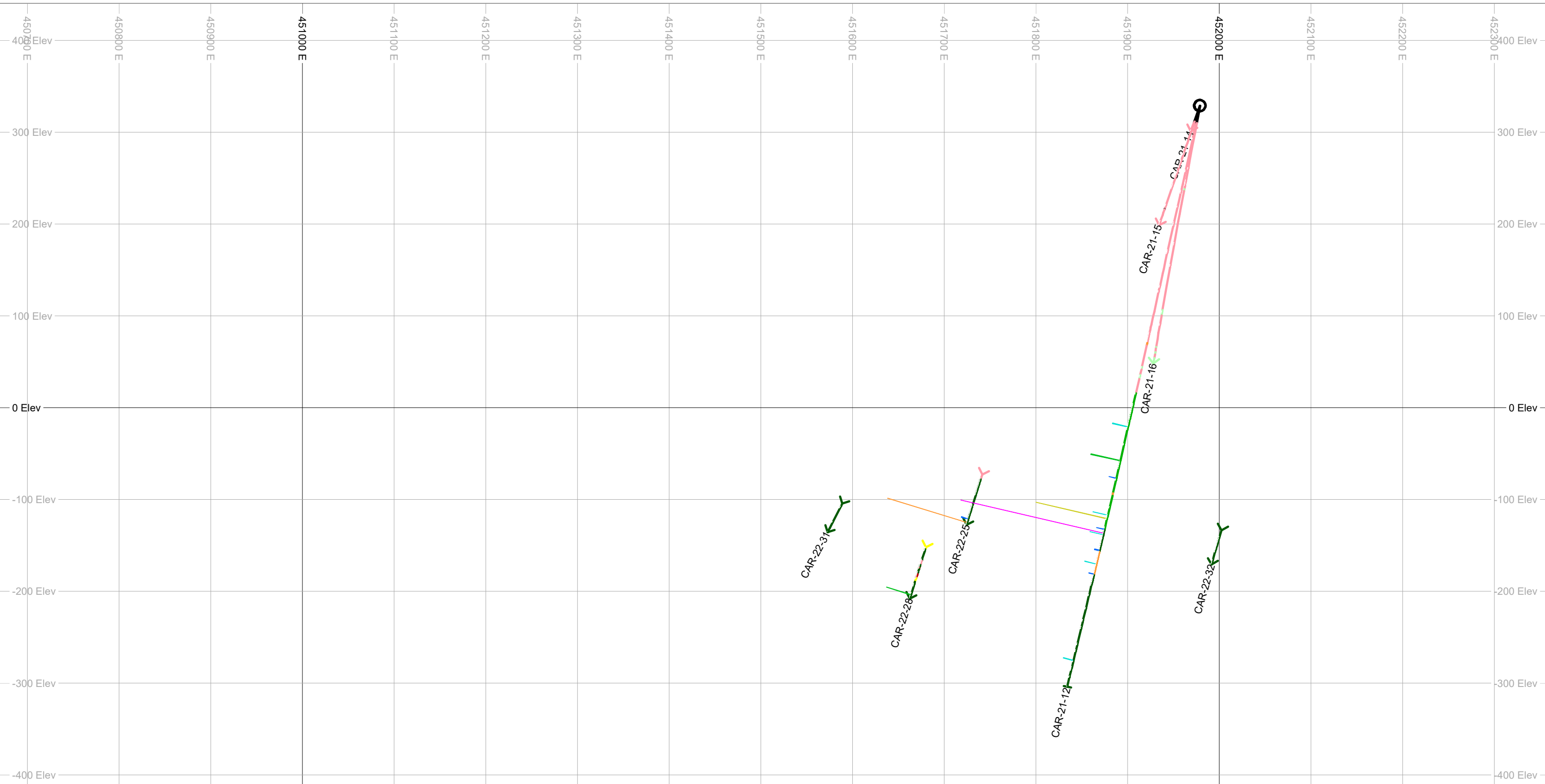
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 46 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t

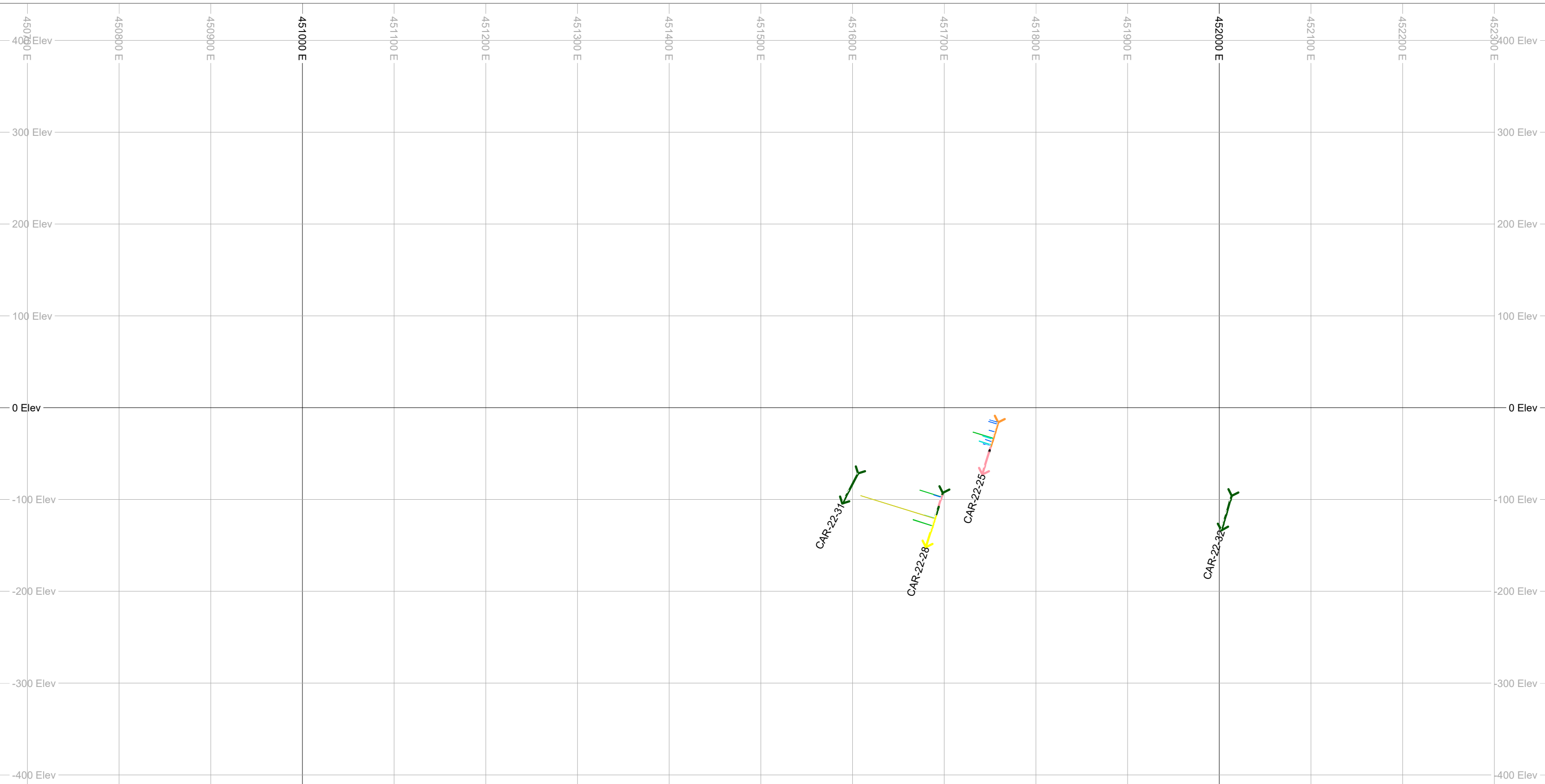
Melkior: 2021-2022 Drilling		
Section 47 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

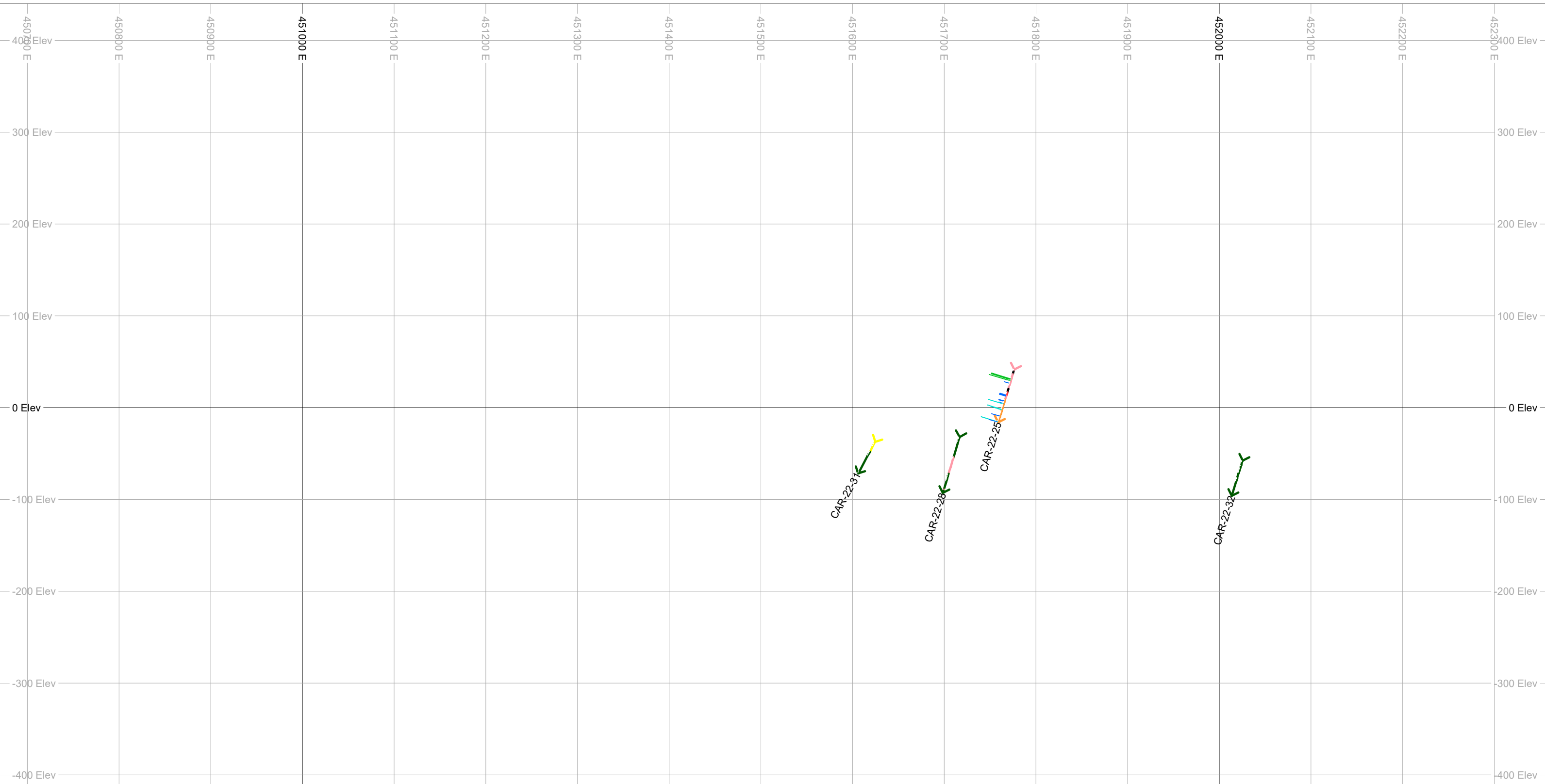
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

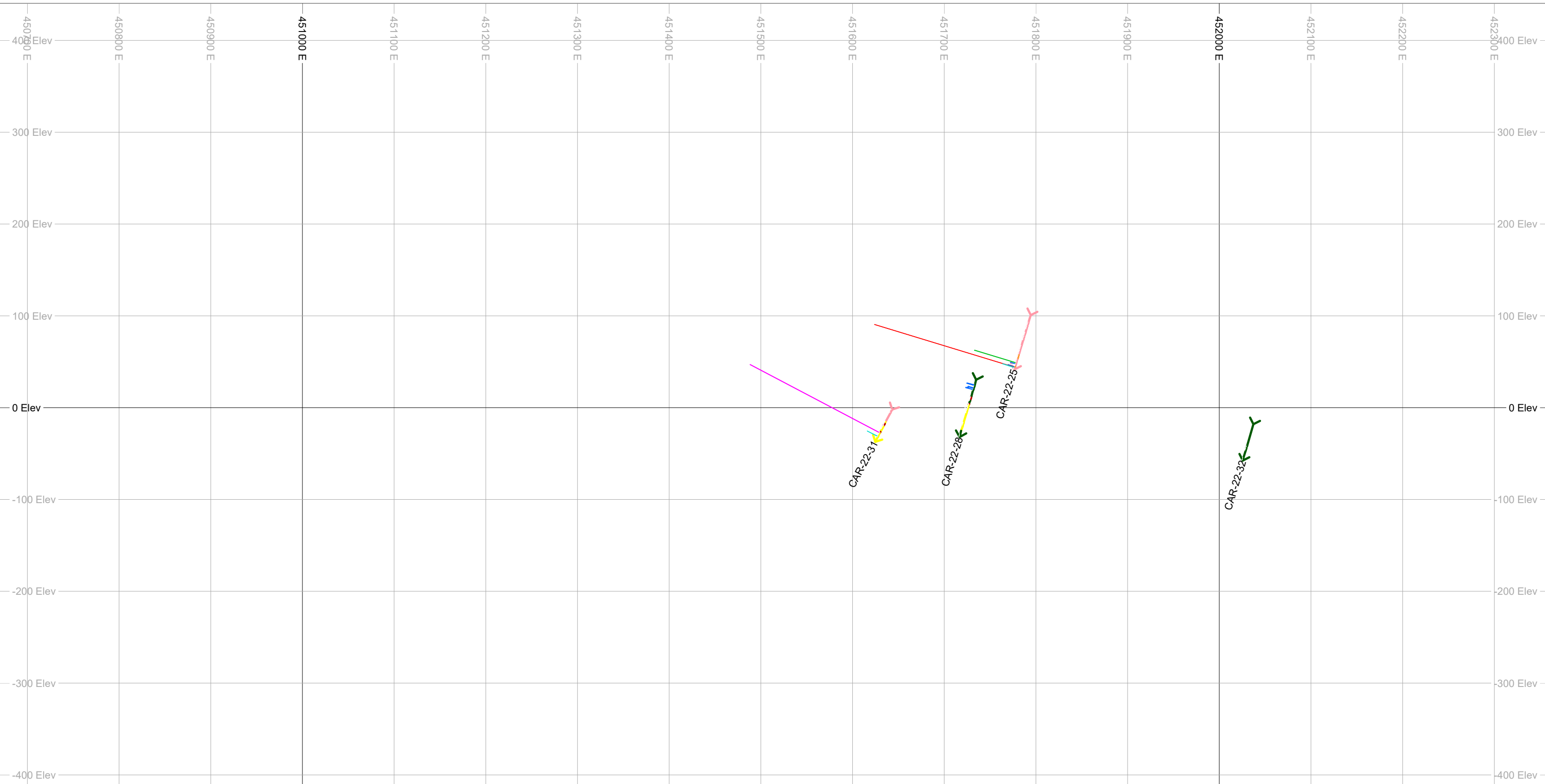
Melkior: 2021-2022 Drilling		
Section 49 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

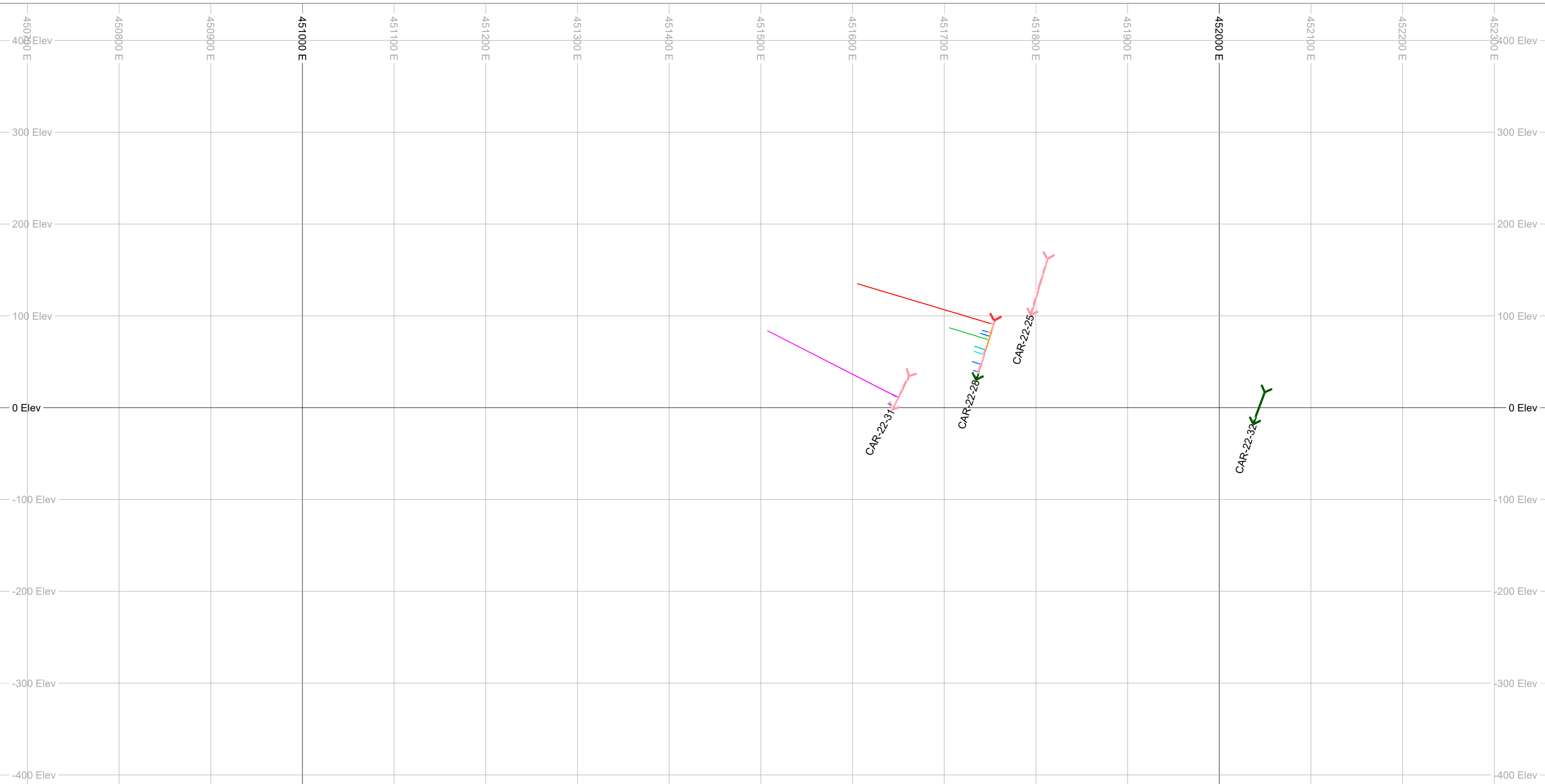
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



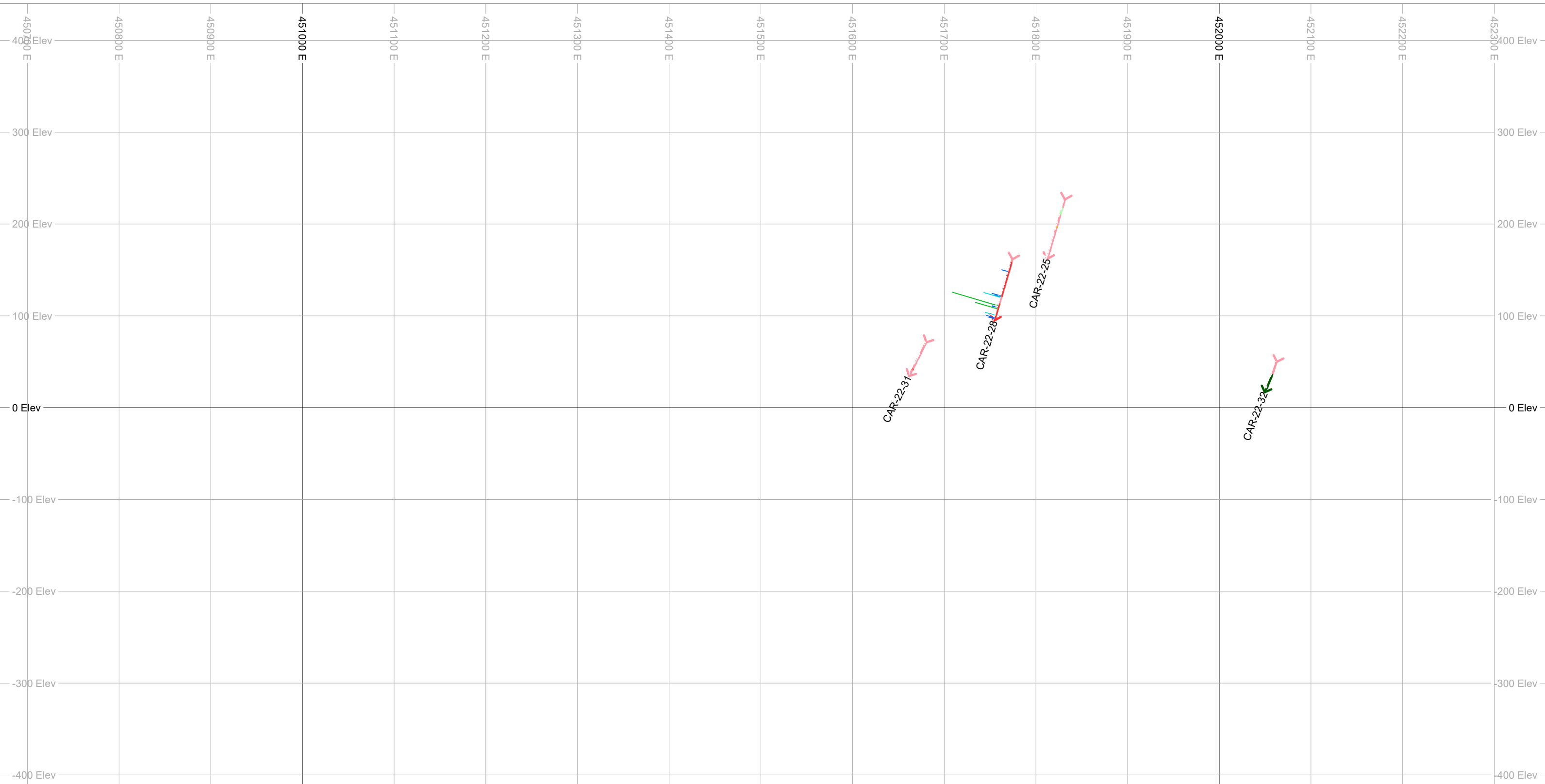
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
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Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsalite (STFU)	Tonalite (TNT)	> 20.0 g/t	

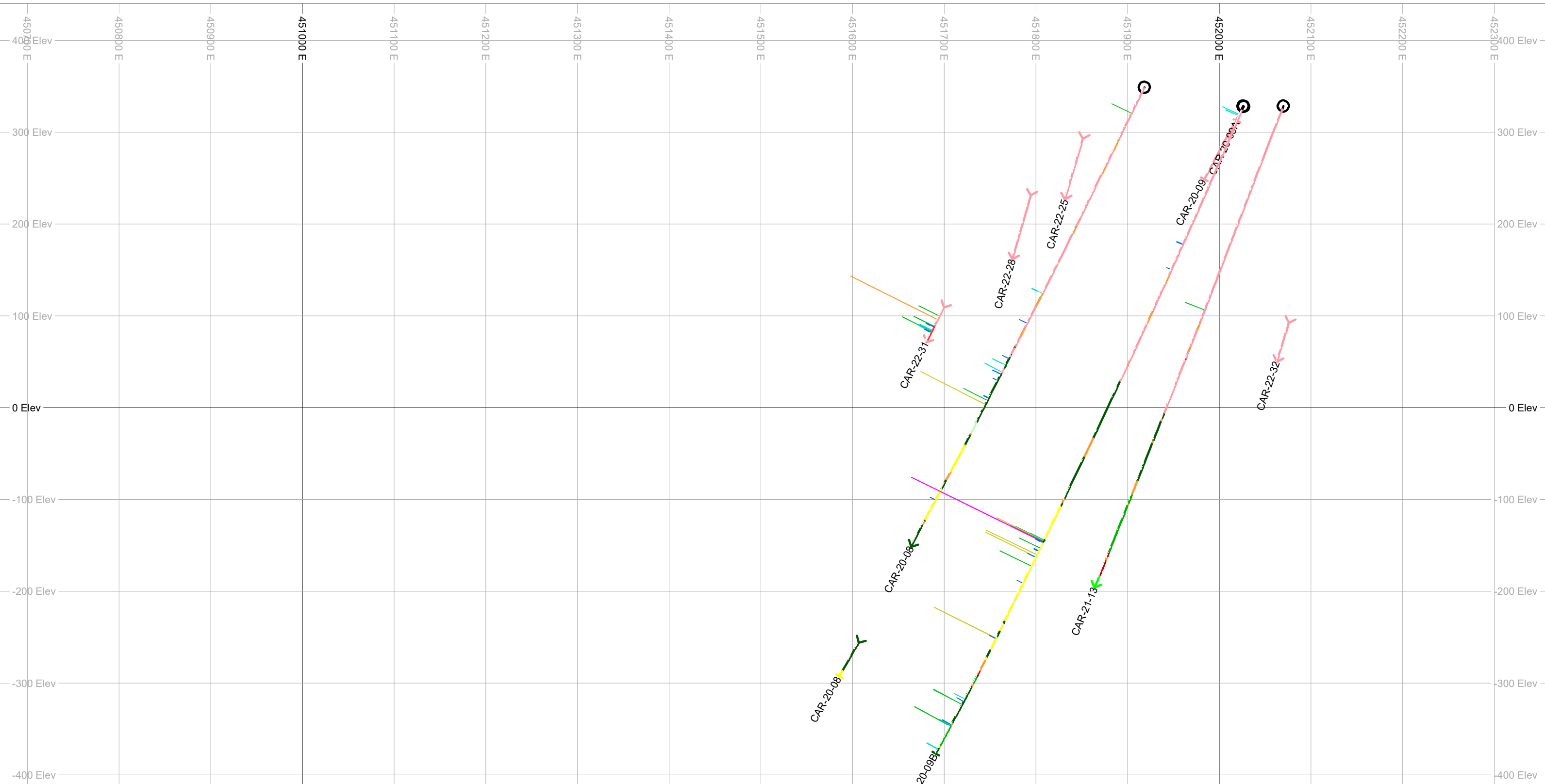
Melkior: 2021-2022 Drilling		
Section 52 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

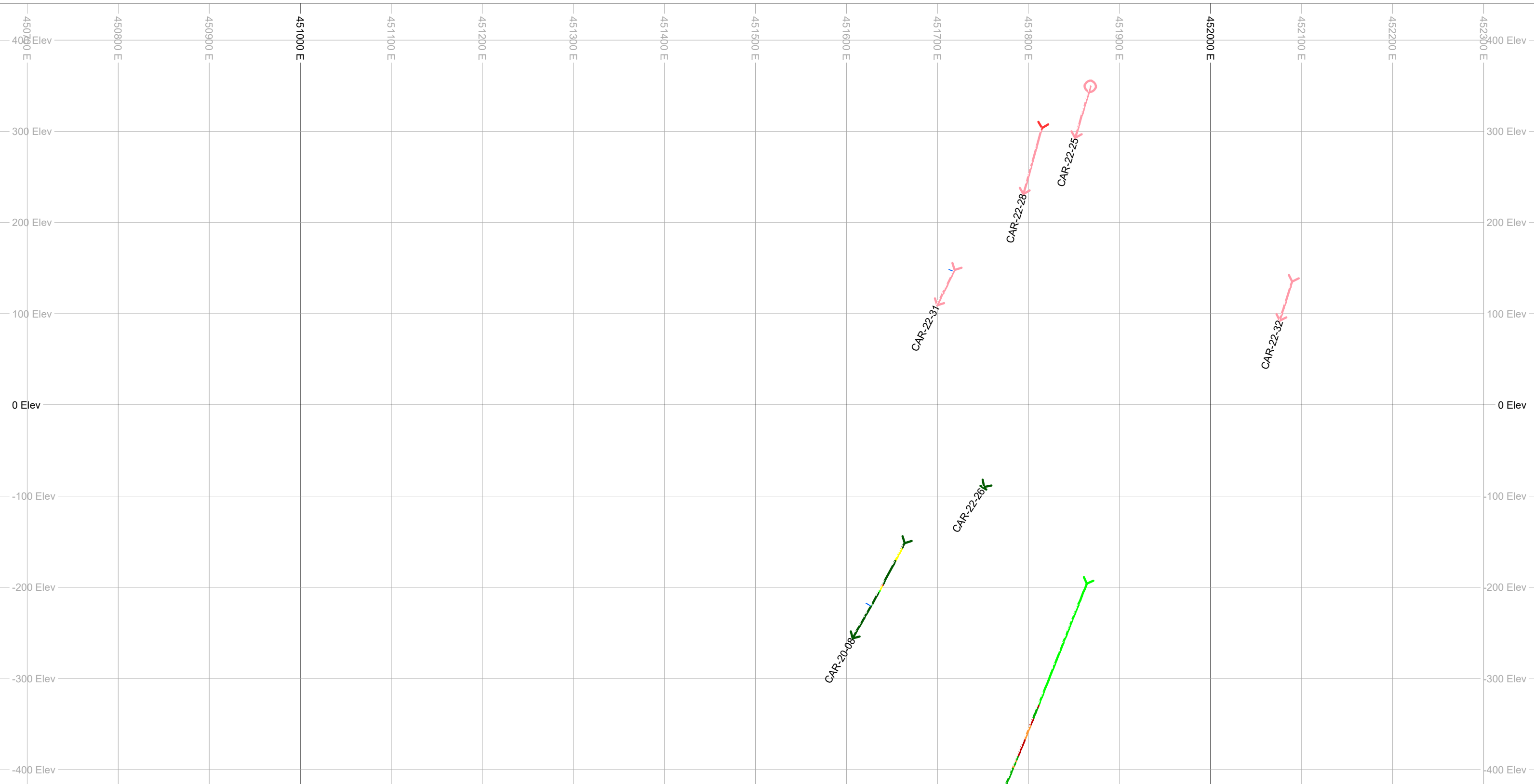
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 53 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



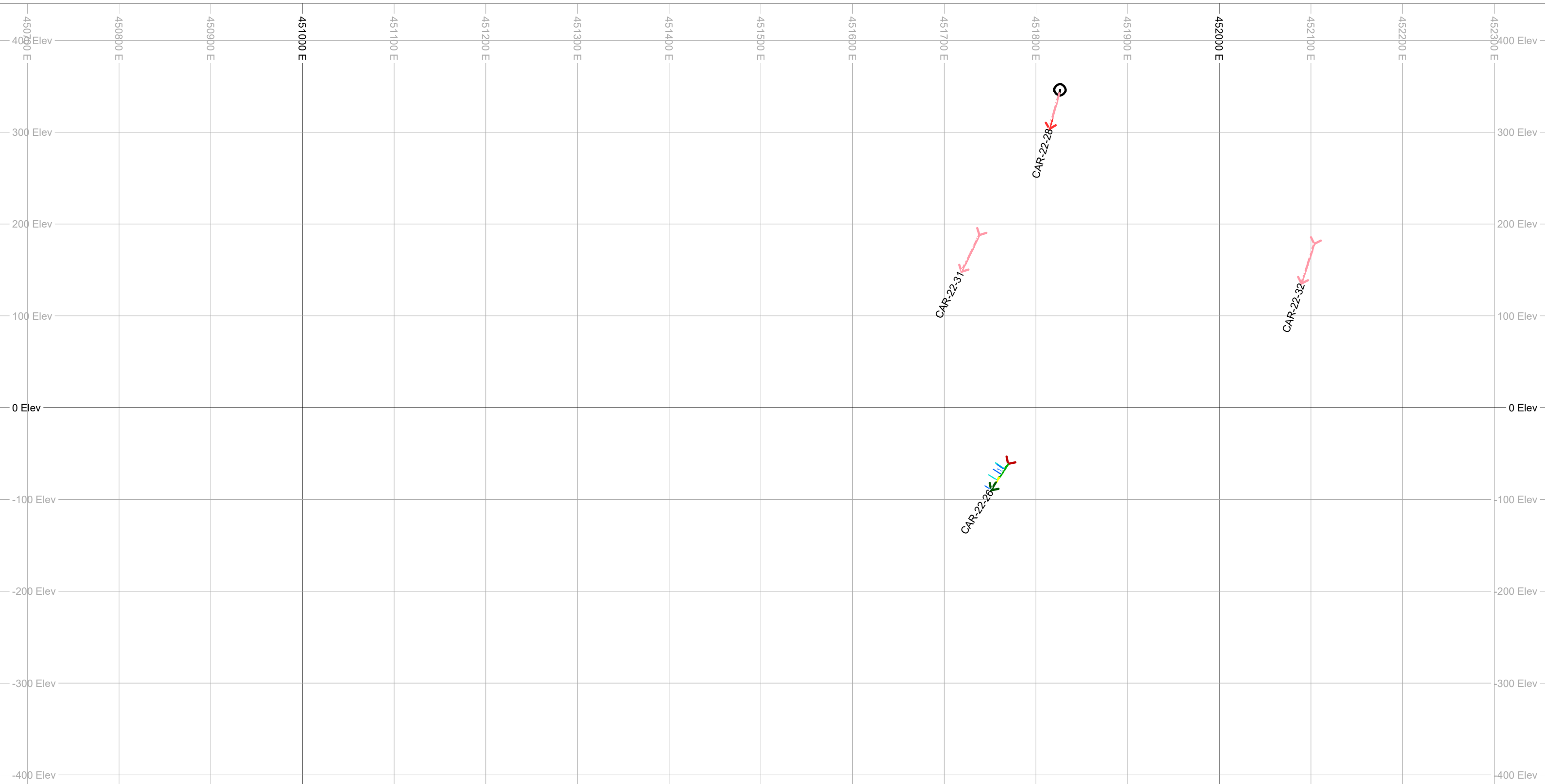
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 54 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

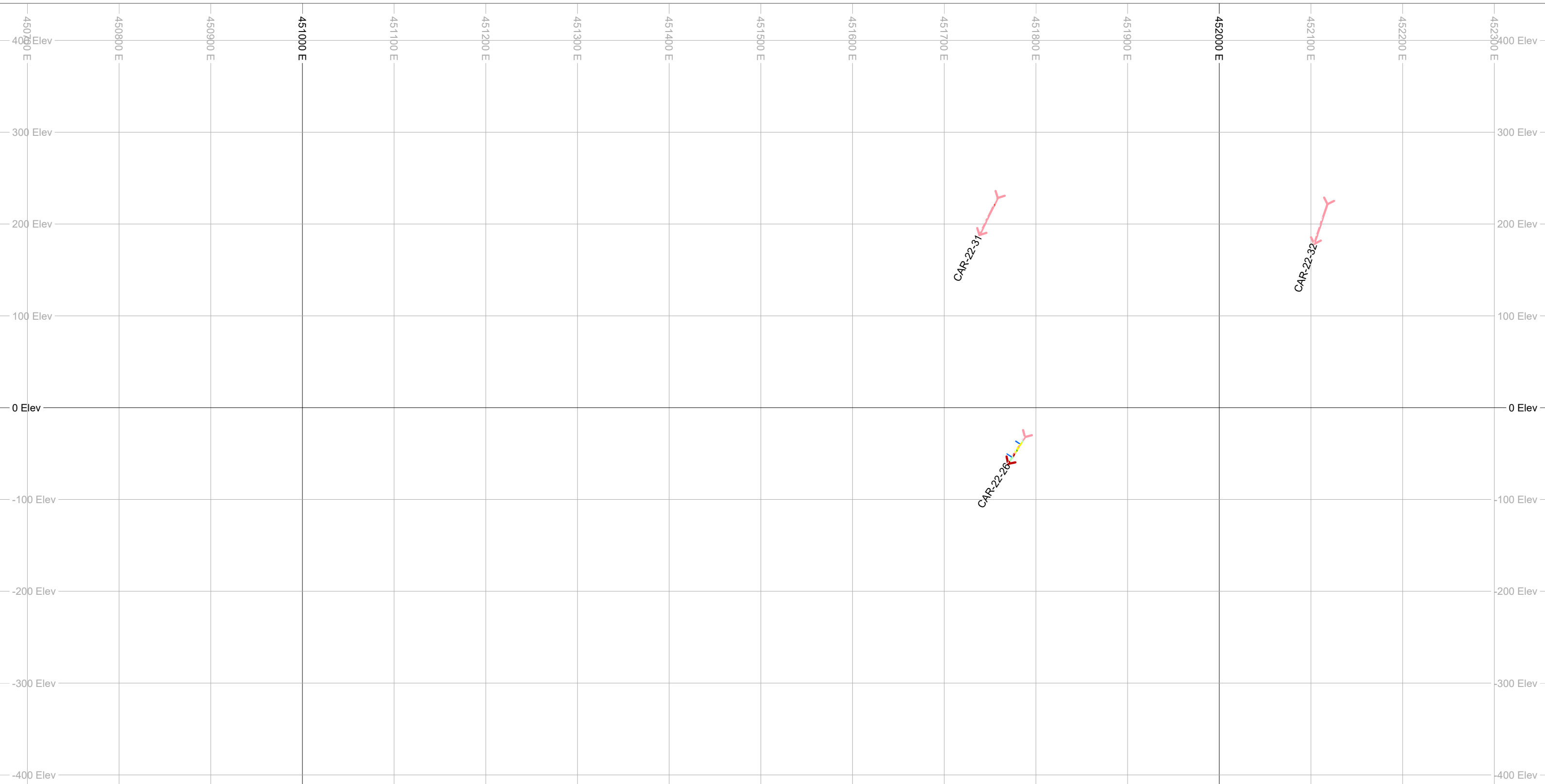
Melkior: 2021-2022 Drilling		
Section 55 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Tonalite (TNT)	

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

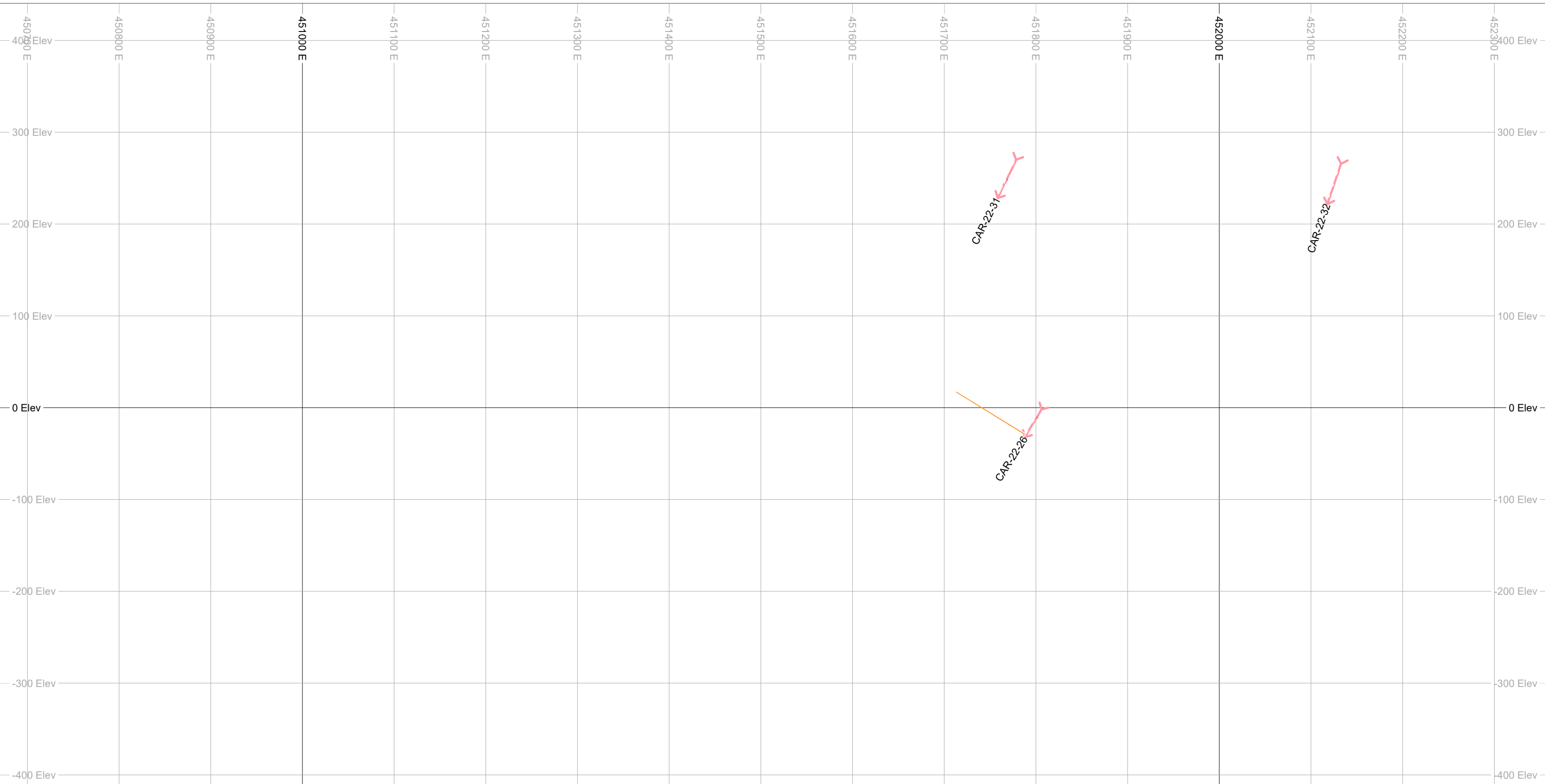
Melkior: 2021-2022 Drilling		
Section 56 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BAFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsilite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

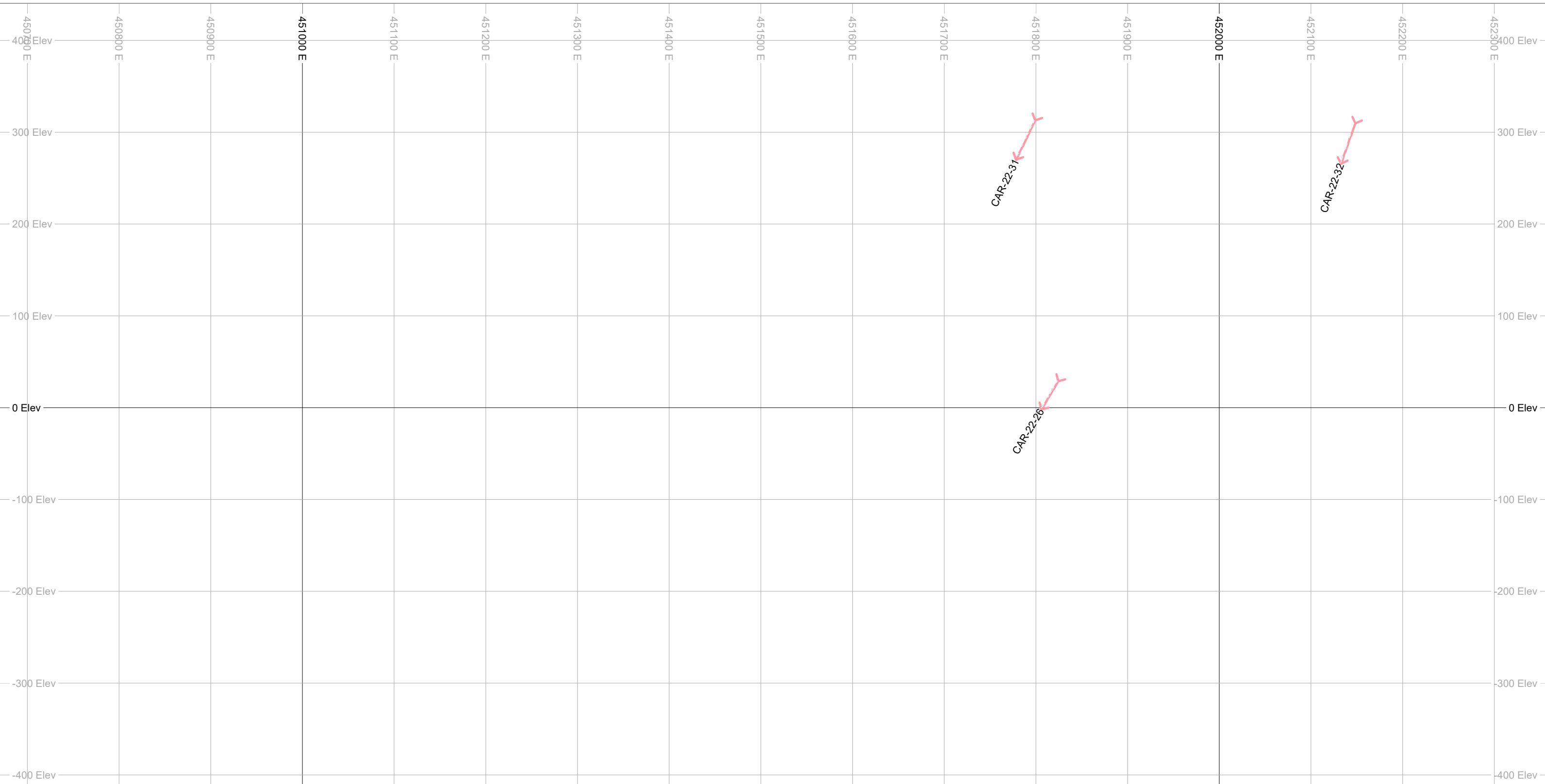
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 57 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

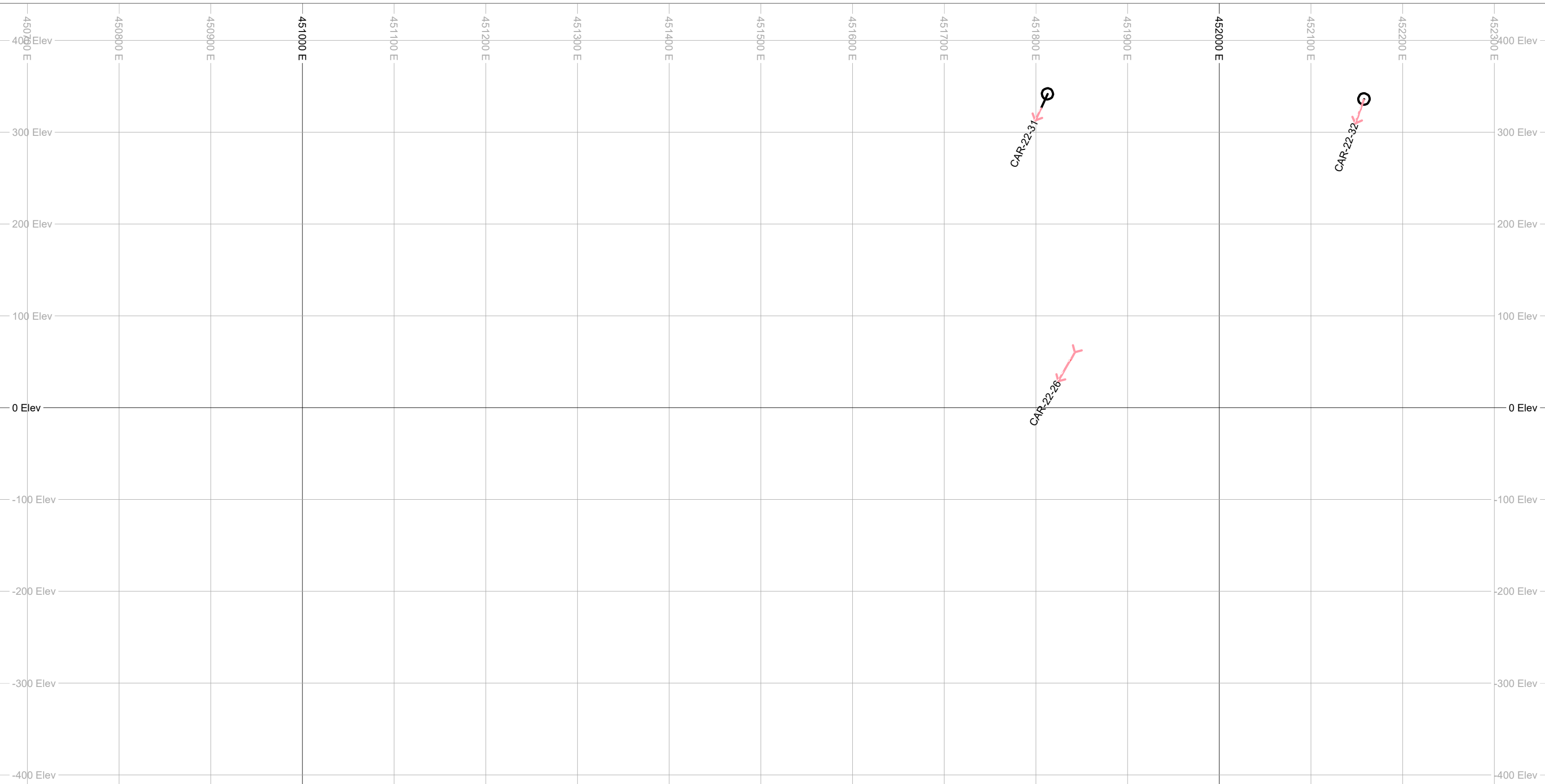
Melkior: 2021-2022 Drilling		
Section 58 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

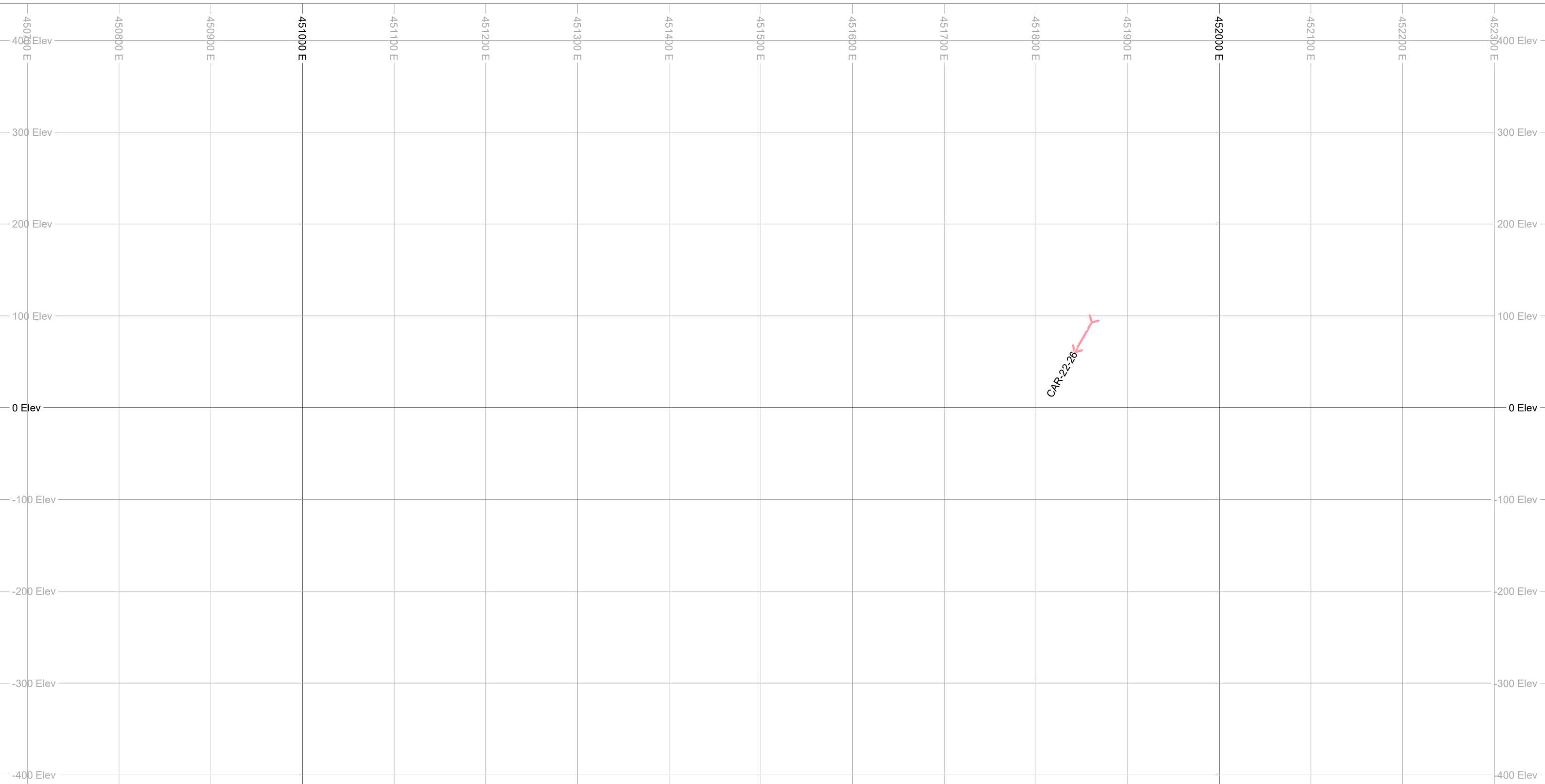
Melkior: 2021-2022 Drilling		
Section 59 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

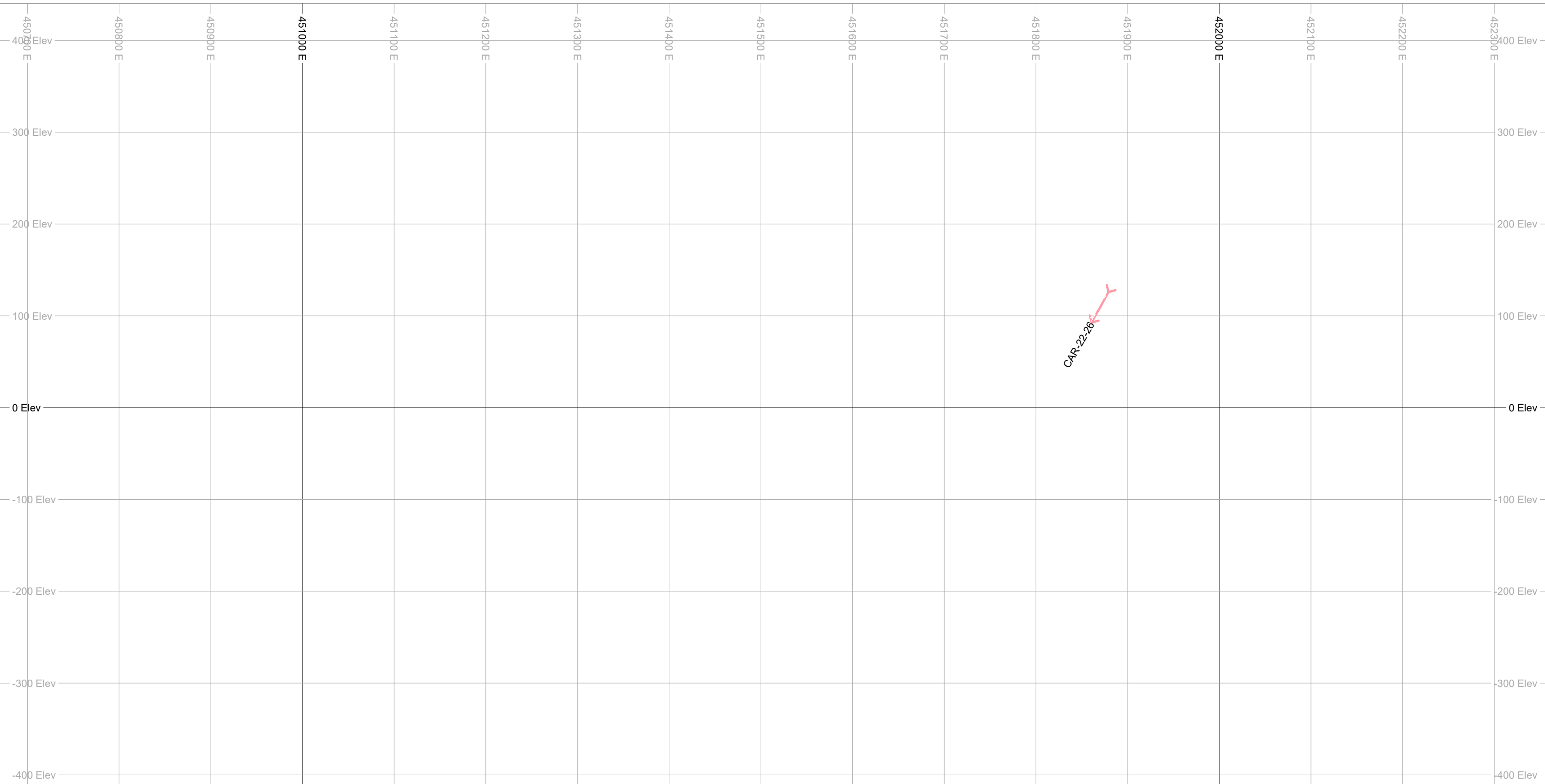
Melkior: 2021-2022 Drilling		
Section 60 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Quartz Feldspar Porphyry (QFP)
Argillite (SARG)	Sandstone (SGS)
Sandstone (SGS)	Tonalite (TNT)

Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

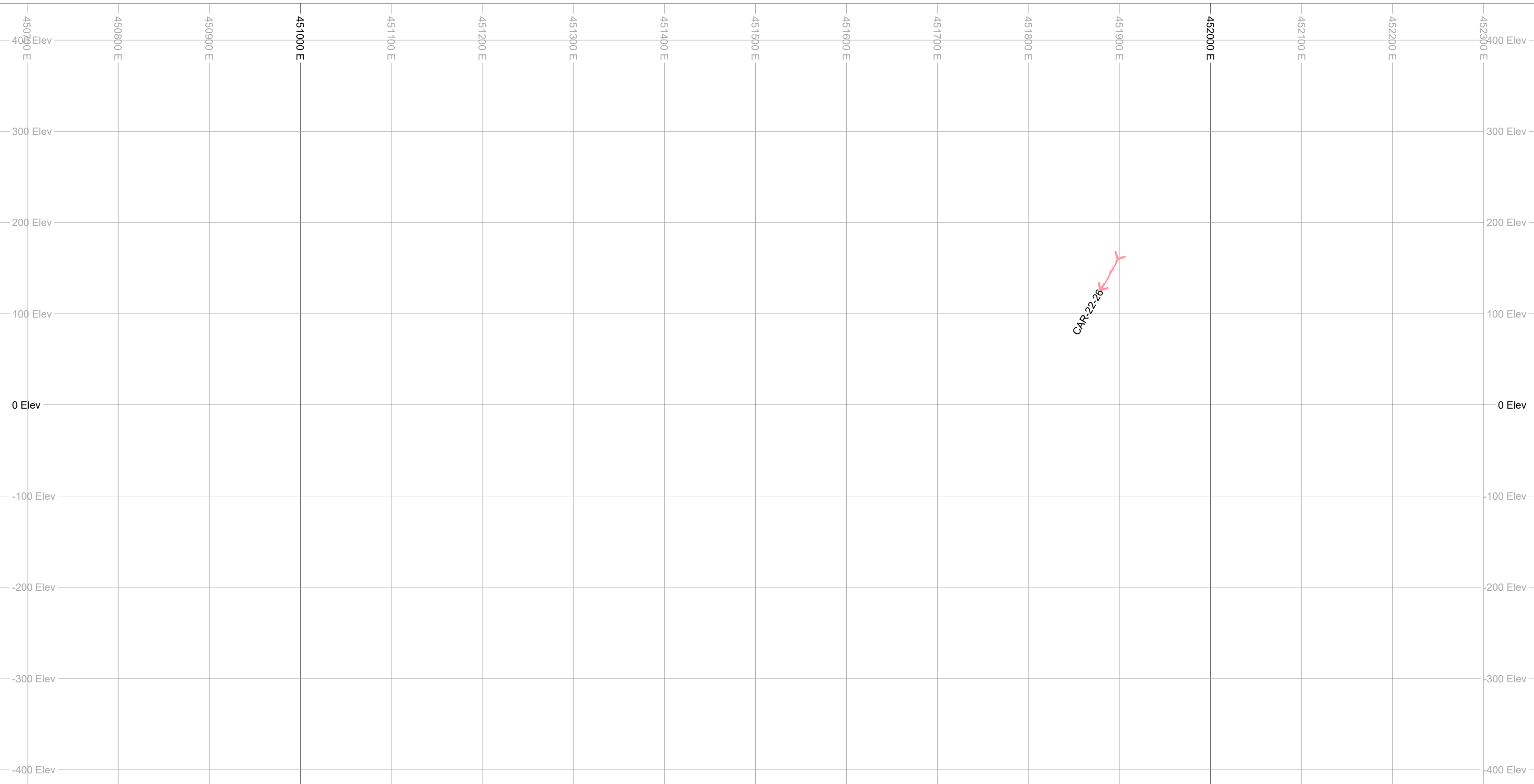
Melkior: 2021-2022 Drilling		
Section 61 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho	
[ABSENT]	Basalt Flow Breccia (BaFBx)
Dacite (DAC)	Diabase (DB)
Gabbro (GAB)	Granodiorite (GRD)
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)
Mafic Tuff (MT)	Mafic Volcanics (MV)
Quartz Vein (QV)	Quartz Vein Zone (QVZ)
Arkose (SARK)	Conglomerate (SGC)
Carbonaceous Greywacke (SGWC)	Turbidite (ST)
Massive Basalt (BaM)	Felsic Volcanics (FV)
Granodiorite - Carbonized (GRD_CB)	Granodiorite - Silicified (GRD_SIL)
Lamprophyre (LMP)	Overburden (OVB)
Rhyolite (RHY)	Graphite (SGF)
Turbidite - Fuchsalite (STFU)	
Pillow Basalt (BaP)	Fault Zone (FZ)
Granodiorite - Epidotized (GRD_EP)	Granite (GRN)
Mafic Intrusive (MI)	Mafic Intrusive (MI)
Quartz Feldspar Porphyry (QFP)	Argillite (SARG)
Sandstone (SGS)	Sandstone (SGS)
Tonalite (TNT)	

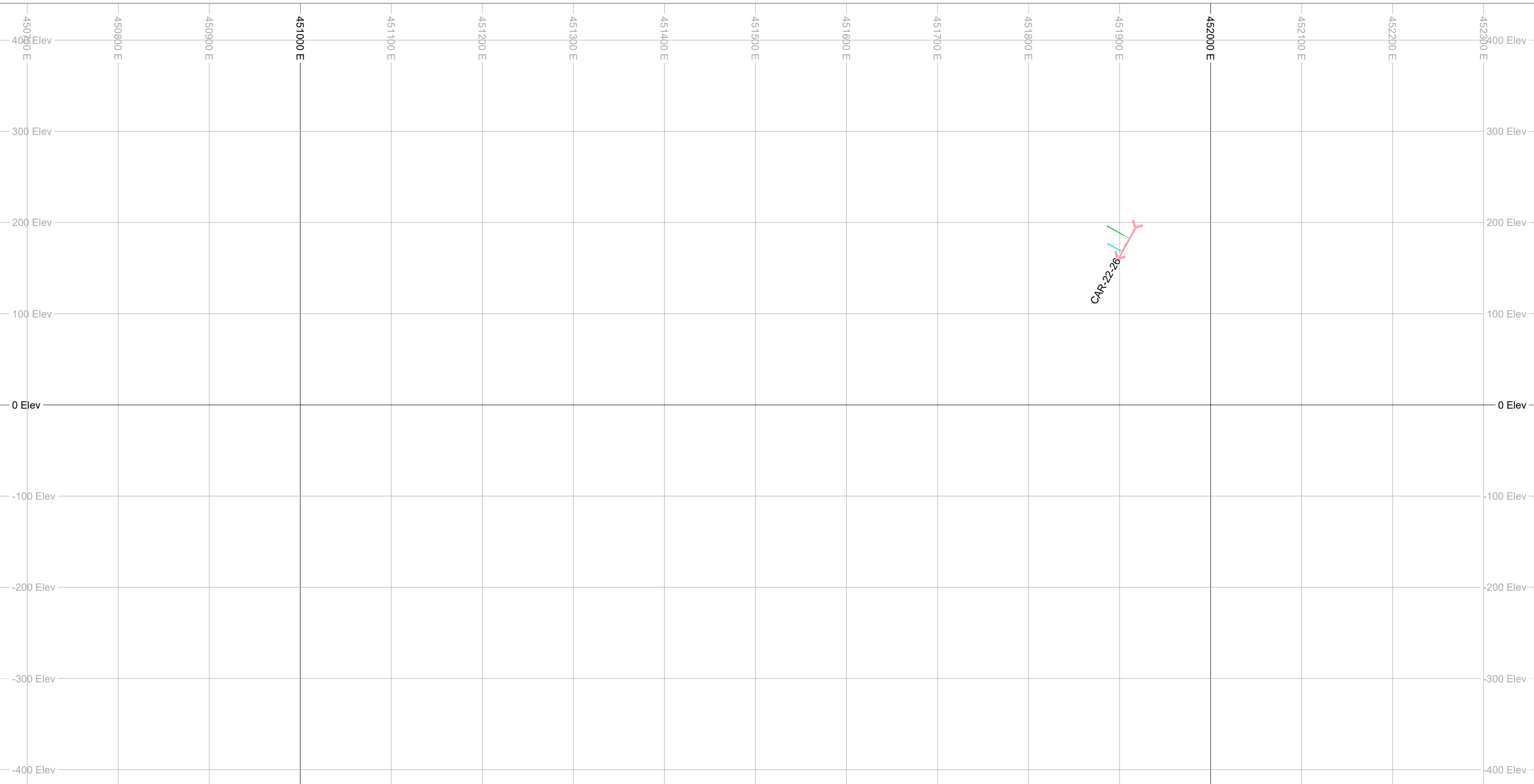
Assays g/t	
Unsampled	
Trace	
0.5 - 1.0 g/t	
1.0 - 2.0 g/t	
2.0 - 5.0 g/t	
5.0 - 8.0 g/t	
8.0 - 10.0 g/t	
10.0 - 20.0 g/t	
> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 62 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



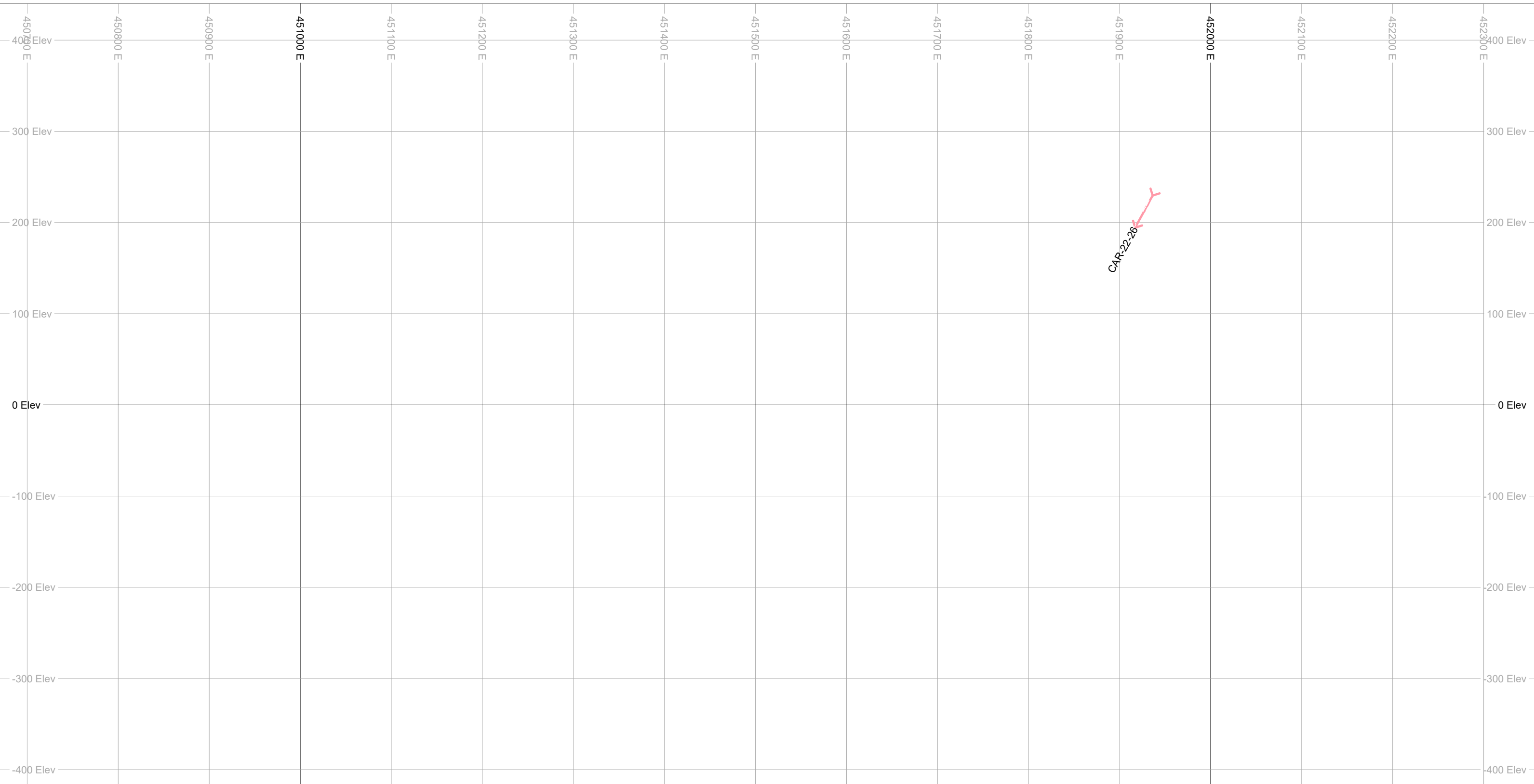
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 63 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



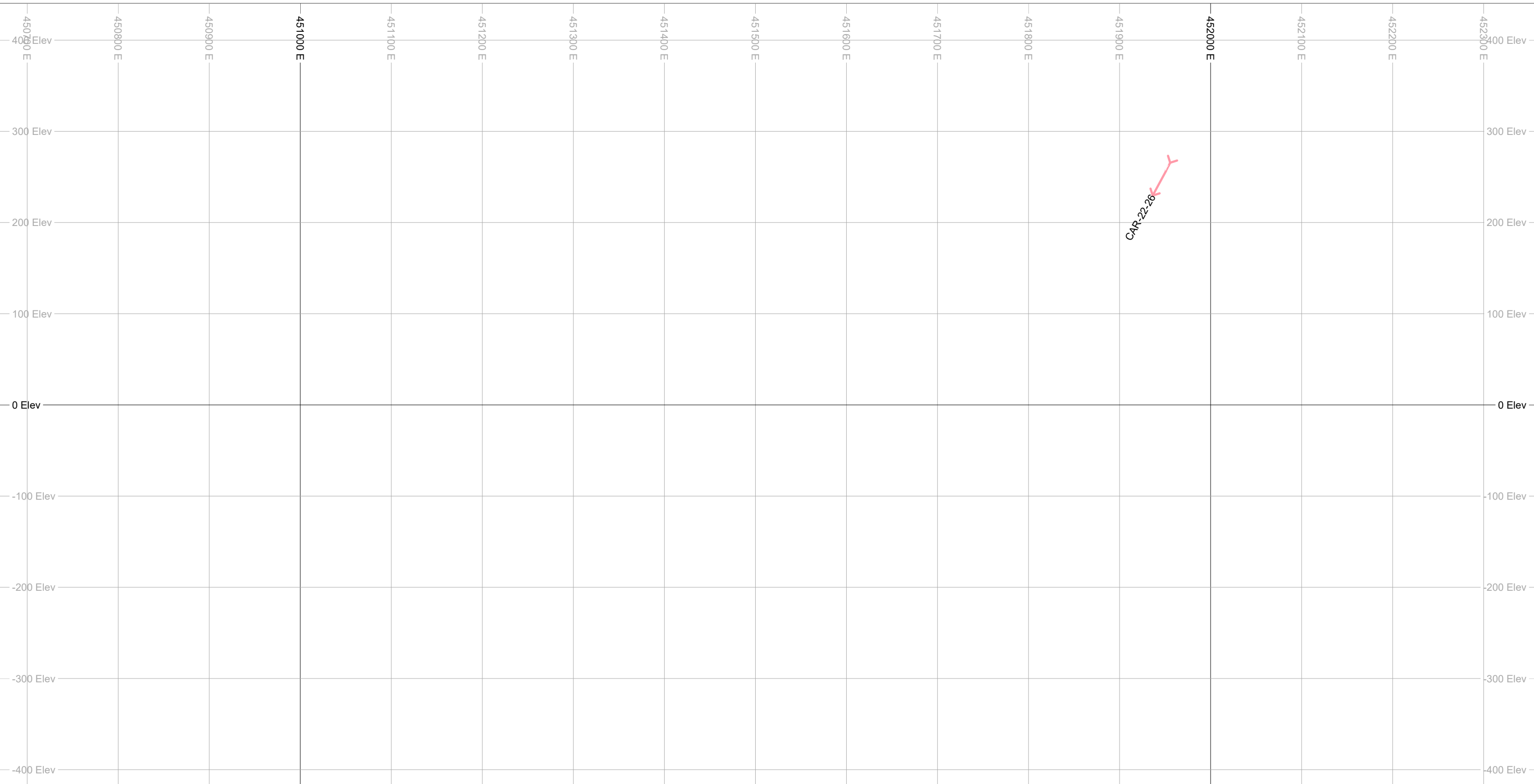
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 64 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



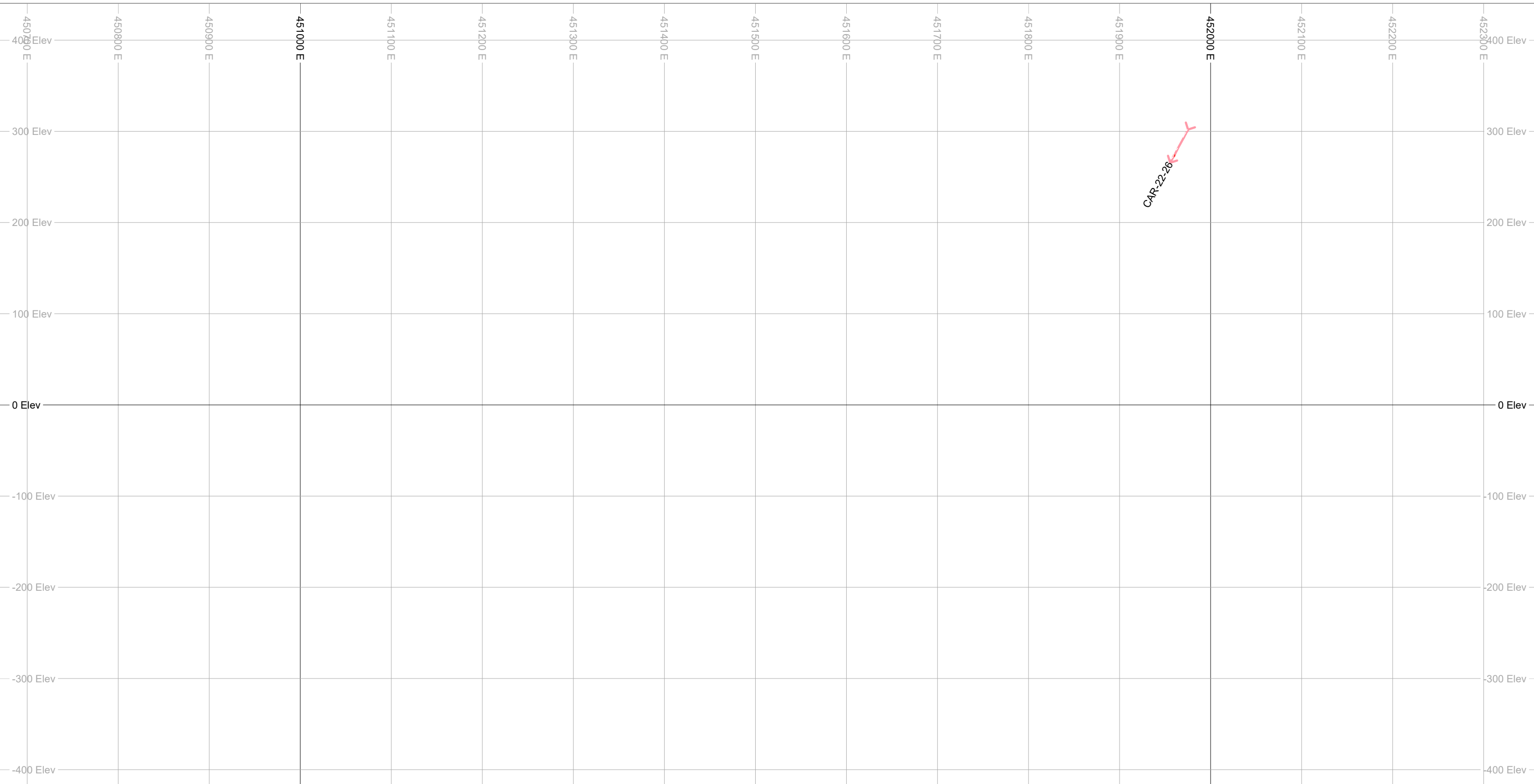
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BAFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 65 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



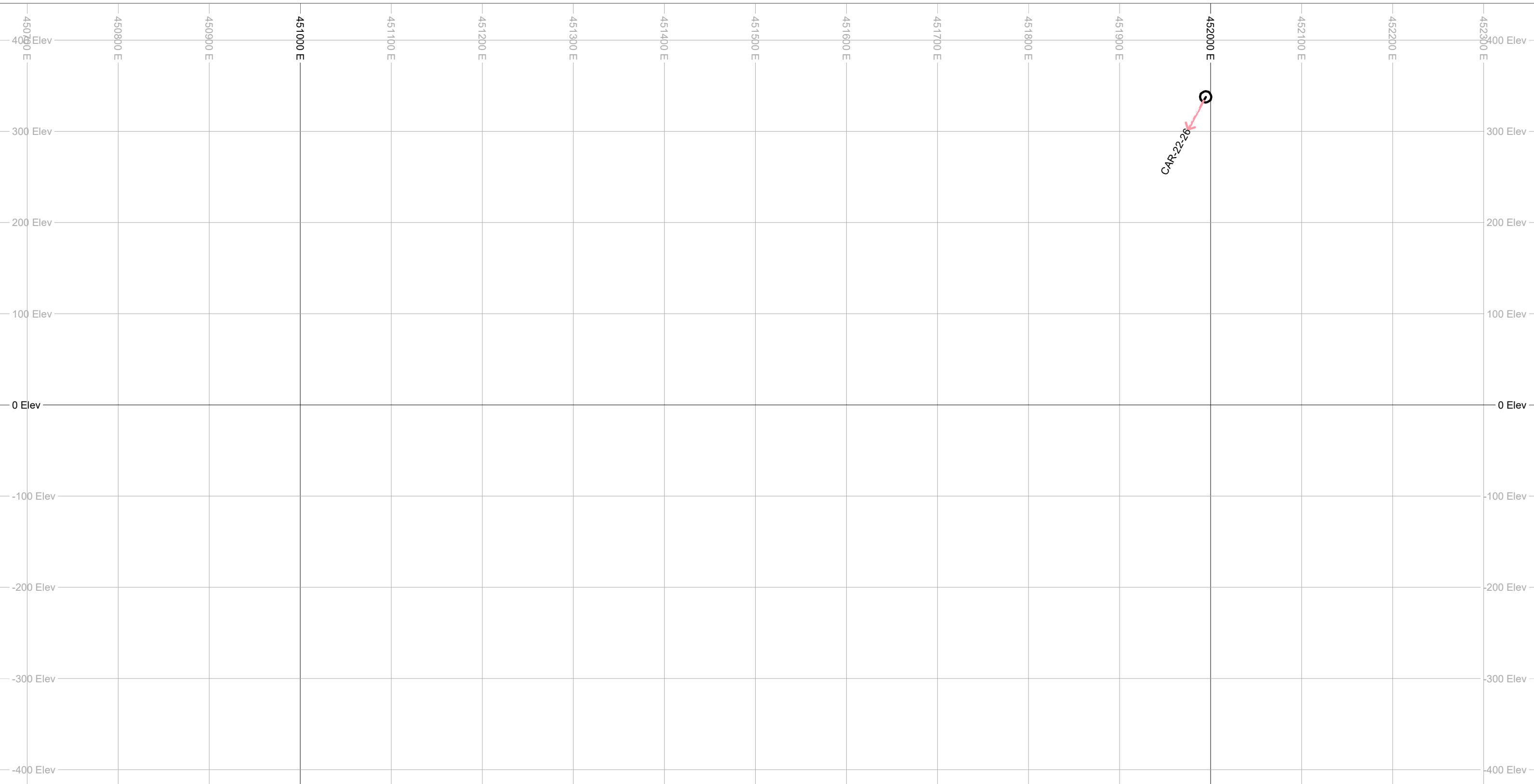
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsilite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 66 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



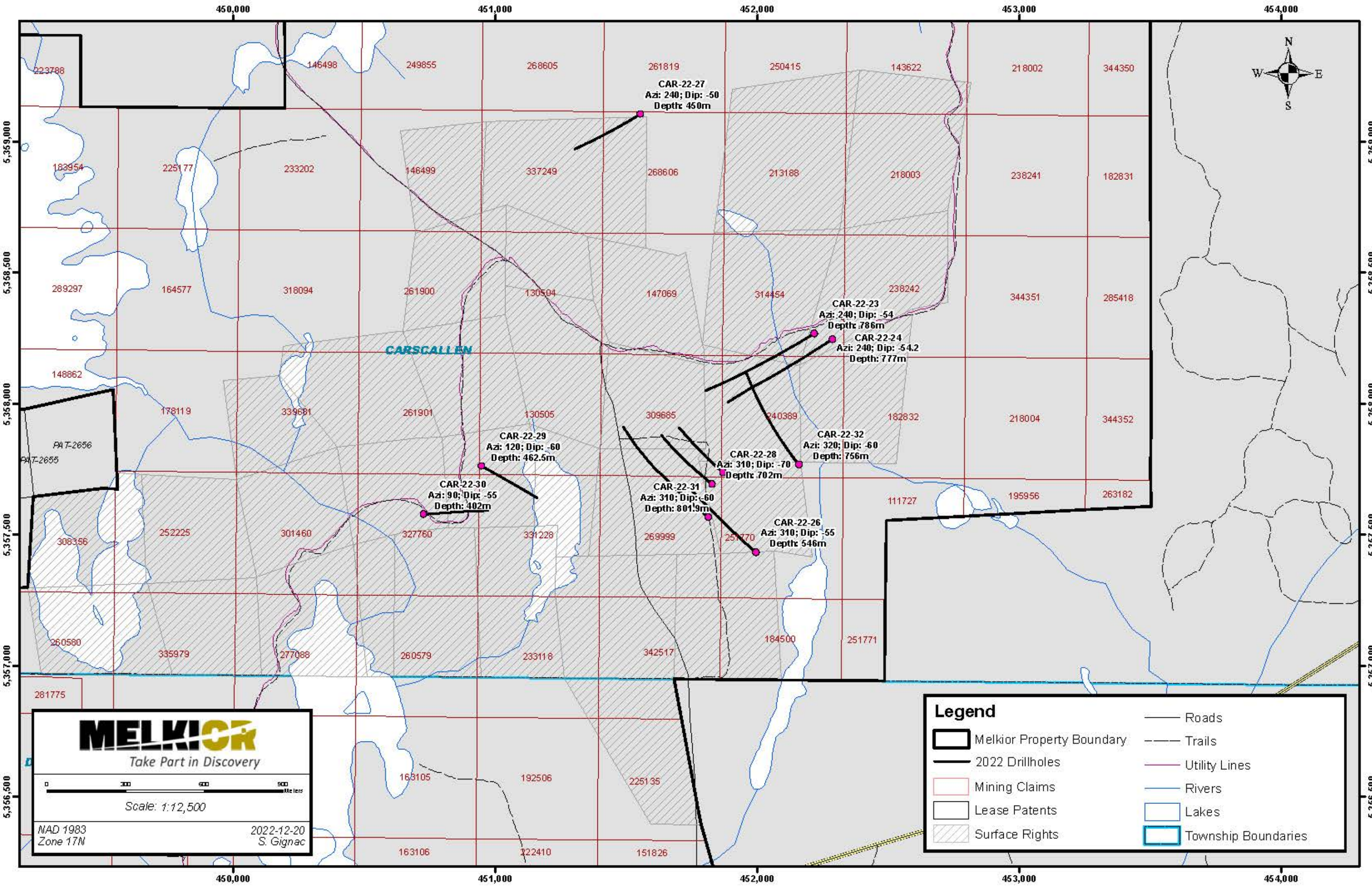
Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 67 of 78		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Melkior_Litho				Assays g/t	
[ABSENT]	Basalt Flow Breccia (BaFBx)	Massive Basalt (BaM)	Pillow Basalt (BaP)	Unsampled	
Dacite (DAC)	Diabase (DB)	Felsic Volcanics (FV)	Fault Zone (FZ)	Trace	
Gabbro (GAB)	Granodiorite (GRD)	Granodiorite - Carbonized (GRD_CB)	Granodiorite - Epidotized (GRD_EP)	0.5 - 1.0 g/t	
Granodiorite - Hematized (GRD_HEM)	Granodiorite - Potassized (GRD_POT)	Granodiorite - Silicified (GRD_SIL)	Granite (GRN)	1.0 - 2.0 g/t	
Iron Formation (IF)	Intermediate to Felsic Volcanics (IV)	Lamprophyre (LMP)	Mafic Intrusive (MI)	2.0 - 5.0 g/t	
Mafic Tuff (MT)	Mafic Volcanics (MV)	Overburden (OVB)	Quartz Feldspar Porphyry (QFP)	5.0 - 8.0 g/t	
Quartz Vein (QV)	Quartz Vein Zone (QVZ)	Rhyolite (RHY)	Argillite (SARG)	8.0 - 10.0 g/t	
Arkose (SARK)	Conglomerate (SGC)	Graphite (SGF)	Sandstone (SGS)	10.0 - 20.0 g/t	
Carbonaceous Greywacke (SGWC)	Turbidite (ST)	Turbidite - Fuchsite (STFU)	Tonalite (TNT)	> 20.0 g/t	

Melkior: 2021-2022 Drilling		
Section 68 of 68		
Section Azi 240 - Looking NW		Nad83 Zone 17N
Scale 1:4000	Clipping: +/- 25m	Date: 22 Nov 2022



Legend

- Melkior Property Boundary
- 2022 Drillholes
- Mining Claims
- Lease Patents
- Surface Rights
- Roads
- Trails
- Utility Lines
- Rivers
- Lakes
- Township Boundaries

MELKIOR
Take Part in Discovery

0 300 600 900 Meters
Scale: 1:12,500

NAD 1983 Zone 17N 2022-12-20
S. Gignac