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Assessment Report on the Van Horne Project
2021 Exploration Program

Prepared for
KG Exploration (Canada) Inc.

NTS 52 F/10

Prepared by
Percy Clark (M.I.T)
Clark Exploration Consulting Inc.
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1.0 Summary

The 2021 exploration program on the Van Horne Property was conducted by Clark Exploration and Consulting Inc. ("Clark Exploration") on behalf of KG Exploration (Canada) Inc. ("KG Exploration"). The goal of the program was to follow-up on the successes of the 2020 program while also further developing new target areas.

The Van Horne property comprises a tract of mining claims and patent claims located approximately 8 km south of Dryden, ON. The property is accessible using a combination of paved highways, gravel roads, and trails. Highway 502 transects the western portion of the property. Wabigoon Lake Road runs east of Highway 502 and provides access to the eastern half of the property. The eastern edge of the property can also be accessed by water (Wabigoon Lake).

The 2021 Van Horne exploration program was executed in three distinct phases. The winter drilling phase which took place from February 16th to March 8th, the geological outcrop mapping phase which took place from May 6th to September 4th and the summer drill phase which ran from September 4th to October 28th. During the winter drilling phase, 1,040 m of diamond drilling was done on the Redeemer area, in-filling the strike length, and further exploring the Redeemer Trend which produced anomalous gold values during the 2020 drill program. Geological outcrop mapping was completed in select areas to collect lithological and structural data and to both further develop existing prospects and discover new prospects for future programs. During the summer diamond drill phase, 2,903.5 m were drilled. This drilling focused on the Lone Jack area which yielded anomalous values from the field mapping phase and 2019 and 2020 programs. 566 grab samples and 17 channel samples were collected across the property with the aim of delineating mineralized trends and prospects.

Drilling in the Lone Jack areas yielded anomalous gold values. These values provided validity to the numbers obtained during surface mapping in the area. Drilling in the Redeemer area expanded the known strike length of a previously drilled gold bearing structure. Grab sampling results from the 2021 program have provided prospective targets for future exploration in both areas with known gold occurrences, and historically under explored portions of the property.

The purpose of the report is to satisfy work requirements with the Ontario Ministry of Energy, Northern Development and Mines (ENDM) on the mining (non-patent) claims. A total of $1,669,474.81 of work was completed during the 2021 program. Full list of expenditures can be found in Appendix B.

2.0 Introduction

This report has been produced for KG Exploration (Canada) Inc. ("KG Exploration") to document the work completed and results obtained during the 2021 exploration program at Van Horne, and to satisfy the assessment reporting requirements of the Ontario Ministry of Energy, Northern Development and Mines (ENDM). Clark Exploration Consulting Inc. ("Clark Exploration") was engaged by KG Exploration to complete the 2021 Van Horne fieldwork and report composition. This report has been prepared on the basis of field observations, previous assessment reports filed with ENDM, data reports supplied by KG Exploration, regional geological publications by academic institutions and the ENDM, and fieldwork undertaken by Clark Exploration or other subcontractors under supervision of the author.

3.0 Property Description & Location

Van Horne is located in the Kenora Mining District, 8 km south-west of Dryden, Ontario (Figure 1). The property straddles the borders of the Van Horne Township, Aubrey Township, Buchan Bay Area, and Contact Bay Area. The Property is comprised of 333 mining cell claims and 12 mining patent claims, covering approximately 6,197

hectares (62 km^2) (Fig. 2,3). The property is centered at approximately 49°42’ N, 92°54’ W (UTM NAD83 Zone 15, 0507000m E, 5507000m N) on NTS 52F/10.

The property consists of one contiguous claim block, situated between the Migisi Sahgaigan Eagle Lake First Nation and Wabigoon Lake, and is bisected by Ontario Highway 502. Originally, physically staked with claim posts, 2018 changes to the claim registry system through ENDM saw all mining cell claims digitally generated through the Ontario Mining Lands Administration System (“MLAS”). The new MLAS cells are 460 x 450 m or a portion thereof. Van Horne mining cell claims total 6,197 ha (Figure 2). There are 13 owned patent mining claims at Van Horne, ranging from 9 to 66 ha, totaling 253.736 ha (Figure 3). Claims data is summarized in Appendix C.

On October 27, 2021 Pure Gold Mining and KG Exploration (Canada) Inc. entered into a Joint Venture agreement, whereby KG Exploration has earned an undivided 70% interest in the property and Pure Gold retains the remaining 30%. Mining cell claims confer mineral tenure only; surface tenure is held either by the crown or by surface rights owners (SRO’s) with whom an agreement to conduct work has been procured. The mining patent claims are a mix of surface and mining rights or mining only.

There are 17 historical mine shafts on the property at 12 different prospects. The shafts are aligned in an east to west trend between highway 502 and Contact Bay on Wabigoon Lake (Figure 9) and correspond to the majority of known mineralized areas on the property

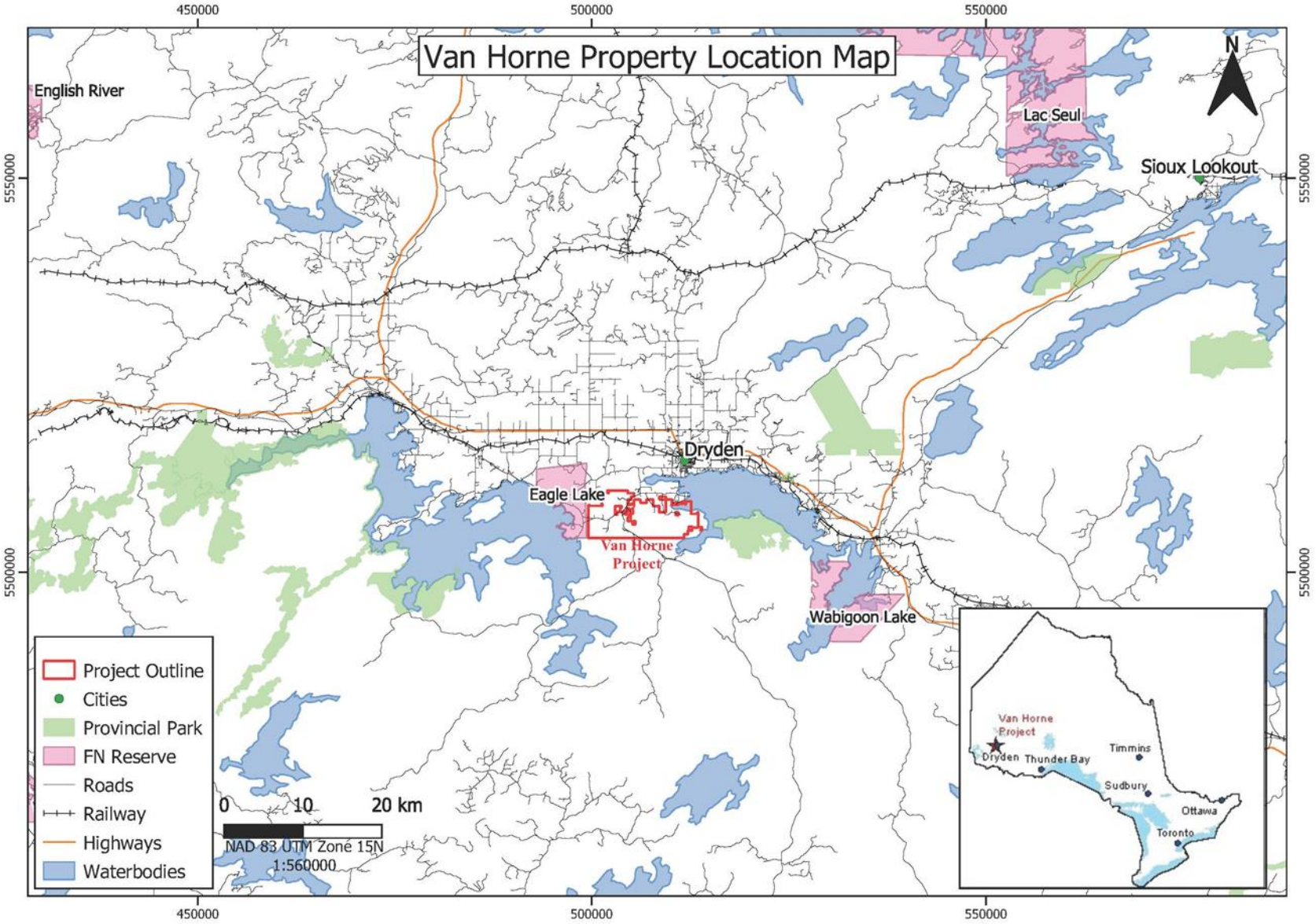

Figure 1: Van Horne Property Location Map

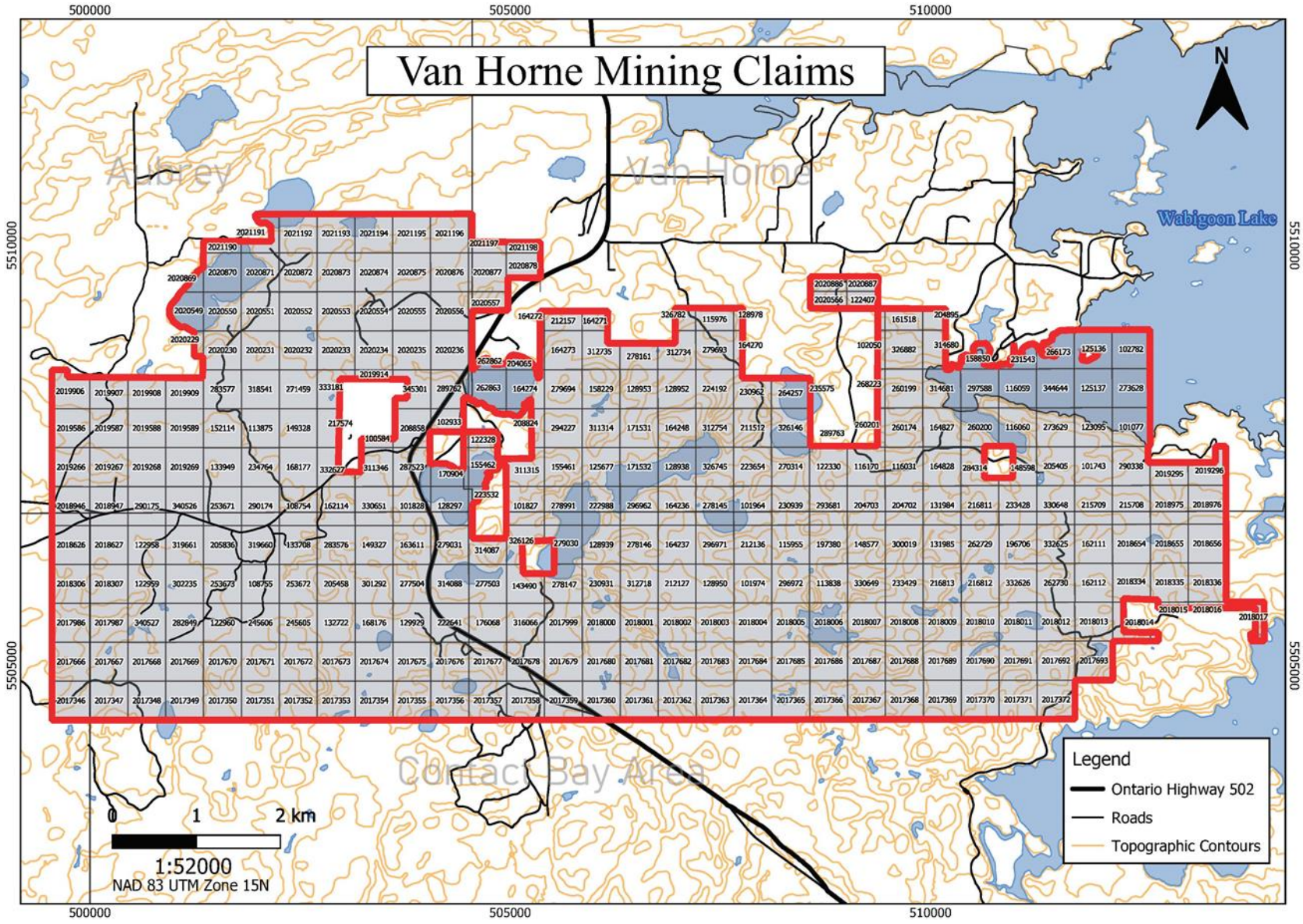

Figure 2: Van Horne Property Mining Claim Map

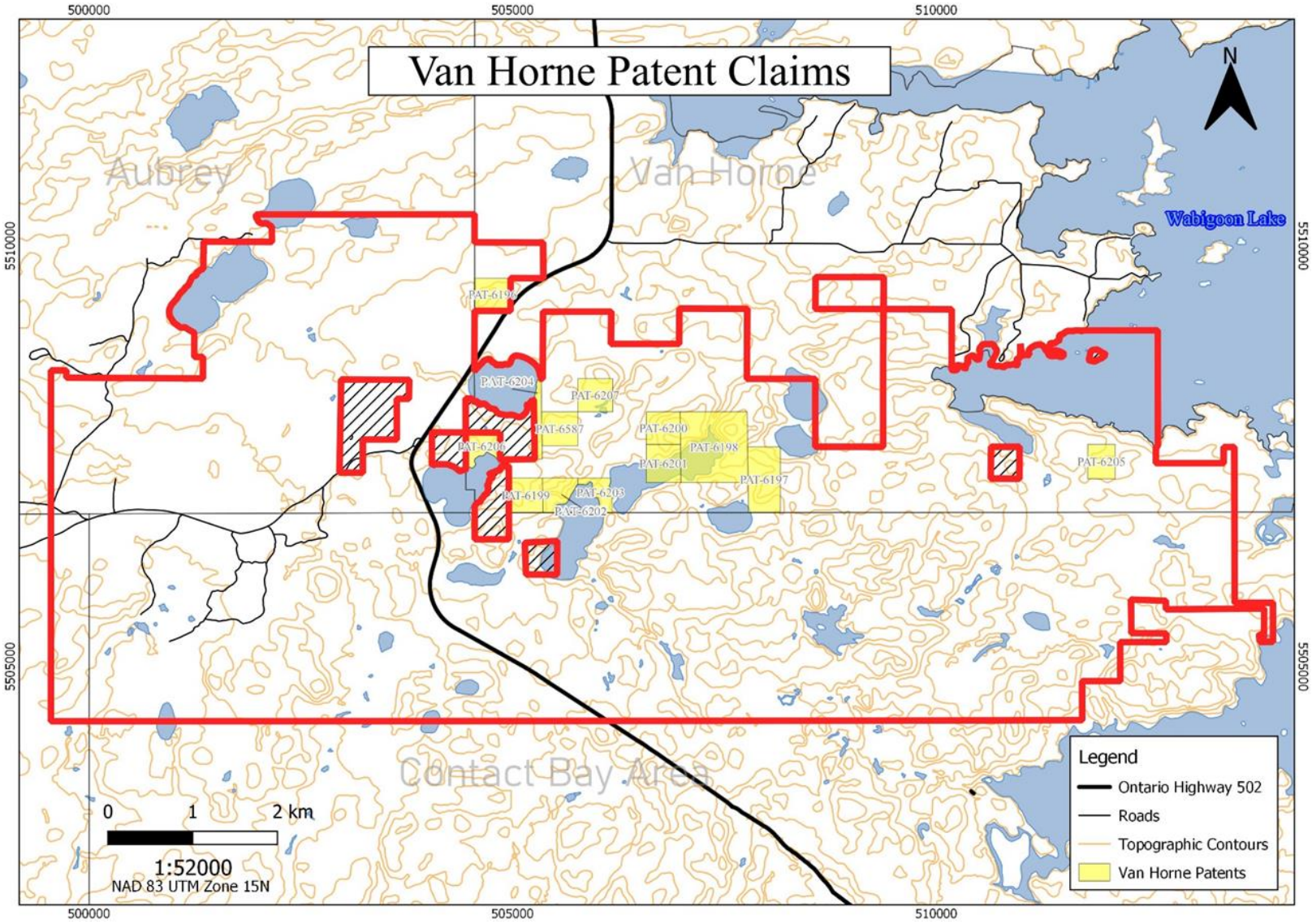

Figure 3: Van Horne Patent Claims Map

4.0 Accessibility, Climate, Local Resources, Infrastructure, Physiography

4.1 Accessibility

Access to the property is primarily via roads/trails off of Highway 502. Access to the west half of the property can be gained via private roads and UTV trails that extend east between Pritchard Lake and Flambeau Lake and provide access to the historic Vanlas shafts. Access to the extreme west can be made via Ojibway Road.

Access to the east side of the property can be gained by traveling east on Wabigoon Lake Road for 3.0 km from Highway 502. At 3.0 km there is a southbound logging road (Old Contact Bay Road), that has been recently (2019) refurbished for logging purposes and is fit for a 4WD truck. This road extends southbound and at 2.5 km turns into a T-Junction with roads/trails extending both east and west. Turning eastward and extending 2.0 km the road heads towards Larson Bay of Wabigoon Lake. After Larson Bay, the road again heads south and is less maintained and is more suitable for a UTV. Turning west provides access to the historic Bonanza, Drake and Good Luck shafts. A smaller ATV trail at the 3.2 km mark of Old Contact Bay Road provides access to the historic Redeemer and Larson shafts.

In addition to roads/trails, the property can also be accessed via water. Larson Bay in the east corner of the property is approximately 8 km from the public docks in Dryden. The property contains numerous small lakes that drain north through McLeod Creek into Manitou Lake. The lakes are small and shallow, varying from 5-15 m in average depth, and the creek is not navigable.

4.2 Local Resources and Infrastructure

Dryden, Ontario, is a natural-resource industry regional hub with a population of approximately 5,586 (2016 Statistics Canada Census). Exploration services including equipment contractors, fuel, groceries, accommodations, and regional flights to primary airports such as Winnipeg are available in the town. The primary local industry is pulp and paper, with a large mill owned by Domtar located in the town.

Dryden and the surrounding area are serviced by high power transmission lines and have direct access to trans-continental rail and the Trans-Canada Highway (Highway 17).

4.3 Physiography and Climate

Van Horne covers part of the Canadian Shield of northwestern Ontario, an area dominated by low rocky hills and abundant lakes. Van Horne is located between two large lakes, Eagle Lake and Wabigoon Lake and hosts seven smaller lakes within or along the property margin.

Terrane on the property consists mostly of low-lying swampy areas, gently rolling second-growth forests, and abrupt, rocky, cliffs and bluffs. There is less than 100 m of relief between the lowest and highest points on the property. Elevations range from 368 m on Wabigoon Lake to 436 m above sea level at the top of one of the ridges.

The forests are a second growth mixture of deciduous (birch and alder) and evergreen (pine, spruce, and cedar) trees, while the low-lying areas are dominated by muskeg, dense pockets of slide-alder and/or grasses. Thick deposits of glacial till and lacustrine sediments are present in low lying areas while a soil horizon is practically non-existent on the areas of higher elevation.

The climate at Van Horne is classified as “Humid Continental (Dfb)” with cold winters (mean daily temperature below -3˚C) and mild to warm summers (mean daily temperature below 20˚C) (Table 1).

Table 1: 1981-2010 Canadian Climate Normals Station Data, Dryden

1981 to 2010 Canadian Climate Normals station data													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature													
Daily Average (°C)	-16.8	-12.7	-5.8	3	10.8	16.2	18.9	17.8	11.7	4.2	-5.2	-13.5	2.4
Standard Deviation	3.7	4.2	2.7	2.5	2.1	2.1	1.4	1.9	1.7	1.9	3.4	4.1	1.2
Daily Maximum (°C)	-11.6	-7.3	-0.1	8.8	16.9	21.7	24.3	23.1	16.5	8.2	-1.6	-9.1	7.5
Daily Minimum (°C)	-21.9	-18.1	-11.5	-2.8	4.7	10.5	13.4	12.4	6.8	0.3	-8.8	-17.8	-2.7
Precipitation													
Rainfall (mm)	0.2	2.1	6.7	24.7	69.2	115.2	103.1	83.5	87.7	49.2	13	1.2	555.8
Snowfall (cm)	30.1	19.9	25.1	13.9	3.4	0	0	0	1.1	14.6	35.3	31.1	174.7
Precipitation (mm)	26.5	20	29.9	39.6	73.4	115.2	103.1	83.7	88.9	63.6	46.7	29.1	719.7
Average Snow Depth (cm)	30	34	27	5	0	0	0	0	0	1	8	19	10
Median Snow Depth (cm)	30	34	27	2	0	0	0	0	0	0	7	19	10
Snow Depth at Month-end (cm)	34	33	15	0	0	0	0	0	0	1	12	24	10
Days with Maximum Temperature													
<= 0 °C	29.7	23	14.9	3	0.13	0	0	0	0	2.2	18.4	27.7	119.1
> 0 °C	1.3	5.3	16.1	27	30.9	30	31	31	30	28.8	11.6	3.3	246.2
> 10 °C	0	0.09	2.1	12.5	26.3	29.6	31	31	26.3	11	1.1	0	171
> 20 °C	0	0	0	1.8	10.2	18.7	26.6	23.3	7.7	0.73	0	0	89
> 30 °C	0	0	0	0	0.42	1.5	1.8	2.1	0.17	0	0	0	6
> 35 °C	0	0	0	0	0	0.08	0.05	0.09	0	0	0	0	0.22
Days with Minimum Temperature													
> 0 °C	0	0.17	1.8	8.4	25.3	29.9	31	31	27.2	15.2	2	0.09	172.1
<= 2 °C	31	28.3	30.7	25.3	9.5	0.63	0.05	0.13	5.4	21.2	28.9	31	212.1
<= 0 °C	31	28.1	29.2	21.5	5.8	0.13	0	0.04	2.8	15.8	28	30.9	193.1
< -2 °C	30.9	27	26.8	15.4	2.6	0	0	0	0.48	9.5	25	30.5	168.1
< -10 °C	27.9	21.1	15.8	3.2	0.04	0	0	0	0	0.32	11.5	22.9	102.7
< -20 °C	17.9	13	5.5	0.21	0	0	0	0	0	0	2.3	12.5	51.5
< - 30 °C	6.3	2.9	0.58	0	0	0	0	0	0	0	0.13	2.8	12.6

5.0 History

5.1 Exploration and Economic Evaluation

Gold exploration and mining occurred in the Dryden area primarily from 1888-1912 (Parker, J.R. 1989). Approximately 20 shafts were sunk on or near the property with four mines: Bonanza, Redeemer, Rognon, and Vanlas reporting a combined production of 643.62 oz Au from 1904-1933 (Joliffe, T.S., 1984).

1980-1989: Multiple Junior Explorers

Following the demise of the local gold mining industry before WWII, the area lay dormant until a resurgence of exploration activity led by the junior mining sector in the 1980's. *Van Horne Exploration/Moss Exploration/Power Exploration* worked the Bonanza-Redeemer and Vanlas areas from 1981-89. The majority of the work was an extensive, but relatively shallow, drill program (15,028 m, 128 holes) on the Vanlas occurrence in 1987-88 that resulted in the delineation of a historic resource of 55,000 tons at 0.30 oz/t Au (Kidd #1 & #2 Zones, Joliffe, 1988). A drill program of 13 shallow drill holes (815 m) outlined an additional resource of 4,834 tons at 0.24 oz/t Au beneath the Bonanza shaft (Kidd, 1981).

Voyager Exploration completed limited drilling and surface work over the Flambeau Lake East Zone to the south of Vanlas in the early 1980's, followed by surface work by *Kidd Creek Mines Ltd*. and *Falconbridge Ltd*. In 1988-89, *International Platinum* completed an extensive drill program (3,575 m, 30 holes) that delineated a poorly defined resource of 572,000 tonnes of "…possibly economic material" from the East Zone vein array (Burden, 1989).

Throughout the 1990's limited work was completed in the area and was primarily conducted by local prospectors who worked on many of the pre-existing surface occurrences, reconfirming historical values and in some cases adding additional size potential and context.

2008-2011: Laurentian Goldfields

In 2008 Laurentian Goldfields Ltd. secured the Van Horne property and conducted rock, soil and lake sediment geochemical surveys across the property every 400 m x 100 m. Results delineated strong anomalies over known mineralization, along strike from known deposits and potentially identified new unexplored anomalous zones. Positive results from the geochemical surveys facilitated Laurentian Goldfields to increase their land position.

In 2009, Laurentian Goldfields expanded and infilled their 2008 geochemical surveys, trenched and conducted a detailed airborne magnetic survey. The property was comprehensively sampled at 100 m x 100 m spacing using rock, MMI soil and lake sediment geochemical analysis. Seven trenches were excavated to test strong gold geochemical anomalies, determine the extent of the mineralized shears and quartz veins and to better understand the lithological and structural relationships on the property. The detailed airborne magnetic survey revealed two strong magnetic anomalies interpreted to be hydrothermal magnetite. The results of this work led to the identification of three potential drill targets; Flambeau Lake, Drake - Bonanza and Gator and in 2011 Laurentian Goldfields drilled 10 holes totalling 2,523 m into the Flambeau Lake target.

Recent Exploration

In 2018 Pure Gold Mining completed an extensive exploration program which included; diamond drilling, MMI, surface mapping and sampling and a detailed structural overview. The field work was carried out by Equity Exploration Consultants on behalf of Pure Gold Mining. The objective of this program was to reassess the economic potential of the Van Horne area following the consolidation of disparate claims, and to deepen the understanding of how gold mineralization on the property is related to structural and alteration controls.

Diamond drilling (672 m, 6 holes) was completed near the historical Drake – Good Luck shafts to assess the vertical extent and continuity of mineralization found at surface. An additional 285 m of diamond drilling (3 holes) was carried out in the vicinity of the historical Vanlas occurrence in order to validate drilling carried out in the 1980s. 229 rock samples were collected across the property with the aim of delineating mineralized trends and prospects. 783 mobile metal ion (MMI) soil samples were taken to increase sample density from a 2008 geochemical survey, and to define new areas prospective for further exploration on newly acquired claims. Geological outcrop mapping with a structural focus was completed across the property to locate and define the nature of the deformation corridors on the property, and to produce a new lithologic interpretation aided by a 739 line-km airborne magnetic survey contracted by Pure Gold.

In 2019, KG Exploration completed a three-phase exploration program consisting of geological field mapping, mechanized stripping and drilling. The field work was carried out by Clark Exploration Consulting Inc. on behalf of KG Exploration. The work was predominately focused around historic shafts and occurrences including the Bonanza, Vanlas, League-Lost, Redeemer-Larson, Lone Jack and Glatz

Geological outcrop mapping was completed in select focus areas to collect lithological and structural data. Over 9,600 m^2 of mechanized stripping was performed to create three exposures, two in the Glatz area and one in the Bonanza area. 3,527 m of diamond drilling was completed in the areas proximal to the strippings. 188 grab samples were collected across the property. 469 channel samples were collected on mechanized and hand stripped areas.

The most recent work on the property occurred in 2020. KG Exploration completed a three-phase exploration program consisting of winter drilling, geological field mapping and summer drilling. The field work was carried out by Clark Exploration Consulting Inc. on behalf of KG Exploration. The work was predominately focused around historic shafts and occurrences including the League-Lost, Redeemer-Larson, Lone Jack and Glatz areas.

Geological outcrop mapping was completed in select focus areas to collect lithological and structural data and to develop prospects for future programs. 2,829 m of diamond drilling was completed during winter phase in the Glatz

area following up on values obtained during the 2019 program. 276 grab samples were collected across the property with the aim of delineating mineralized trends and prospects. 4,189 m were drilled as part of the summer drilling phase focusing on targets developed during the geological mapping phase as well as the historic Vanlas occurrence.

5.2 Government Mapping

The property is located in the northwest portion of the Eagle-Wabigoon-Manitou Lakes greenstone belt (Blackburn et al., 1991) and is more currently referred to as within the Atikwa domain e.g. (Beakhouse, 2002), which comprises the predominantly juvenile arc assemblages surrounding the Atikwa batholith.

Rudimentary mapping was completed in the early 1900s by the Ontario Department of Mines and by the Geological Survey of Canada during site visits by Parsons (1911), Thomson (1917), and Bruce (1925). Thomson produced a small-scale map for the Bonanza-Redeemer area.

The first and only comprehensive mapping for Van Horne was completed in back-to-back programs over the Eagle Lake (Moorehouse, W.W., 1939) and Wabigoon Lake (Satterly, 1943) areas prior to 1941, both at a scale of 1:63,360 (Maps 48d and 50e).

Trowell et al., 1980 compiled the geology of the area utilizing historical work (e.g. Satterly, 1943), new mapping for the Manitou Lakes area, and augmenting the study area from the Lake of the Woods to Savant Lake with geochemical analysis and an overall regional update in an attempt to bring the 1940's era mapping into a modern context. The report interpreted three geological assemblages in the property (Eagle River, Lower Wabigoon, and Upper Wabigoon volcanics) and identified that the Upper Wabigoon volcanics were iron-rich tholeiites similar to the Boyer Lake volcanics. This work represents the only belt-scale lithogeochemical evaluation of the geological assemblages in the property area.

In the late 1980s, the property was remapped (Scheinbein, R. and Parker, J.R., 1988a) as part of a multi-year evaluation of the gold deposits by the district's Economic Geologist ((Parker, J.R., 1989), (Parker, J.R., 1990)). The property visit component provided a much-needed update of the occurrence data for this part of the Kenora district, but the geological component was limited. No significant geochemical work was completed on the belt during this evaluation and concluding remarks include: "Controls on gold deposits in the area have not been well documented or understood."

The Van Horne area was compiled into open file map GDIF 396 during this period (Ontario Geological Survey, 1987), which subdivided volcanic rocks into mafic, intermediate and felsic composition.

A brief program was completed by Beakhouse that focused on the Wabigoon Fault from the Manitoba border to the Sioux Lookout area, including the area immediately to the north of the property (Beakhouse, 1988).

A province-wide compilation of the geology of Ontario was published in 1991 that included a summary of the Wabigoon Subprovince by Blackburn et al., 1991; however, all descriptions for the property are primarily repetition of the earlier work by Trowell et al., 1980. While the Western Superior NATMAP program updated many areas, it did not include any work on Van Horne and much of the area south and west of Dryden.

In addition to geological mapping, the area has been covered by regional aeromagnetic and gravity geophysical surveys and regional lake sediment geochemical surveys by the Geological Survey of Canada. The regional geophysical surveys were augmented by provincial work and are compiled in ERLIS Geophysical Data Set 1036 (Ontario Geological Survey, 1999).

Operation Treasure Hunt was a 2-year program initiated by the OGS in 1999 that resulted in a new airborne magnetic and electromagnetic survey (Ontario Geological Survey, 2002) and detailed lake sediment sampling over

the property (Russell, D.F., 2004; Felix, V.E., 2005), to improve on existing regional coverage by earlier GSC programs. The Electromagnetic MEGATEM survey was flown in 2002 with a nominal terrain clearance of 70 m with a 200m line spacing and the flight line direction for block 5, covering Van Horne, was 054 degrees – 234 degrees (Ontario Geological Survey, 2002).

6.0 Regional Geology and Mineralization

The information presented in this section is primarily sourced from (M. Chiang et al, 2012).

The property lies within the Superior Province, along the northern flank of the Eagle-Wabigoon-Manitou Lakes greenstone belt within the western Wabigoon Subprovince (Figure 4,5). The Wabigoon Subprovince is a 900-km-long and 150-km-long amalgamation of greenstone belts and platformal carbonate sequences underlain by granite-gneiss suites (Blackburn et al. 1991). The east-northeast trending greenstone belts comprise of Mesoarchean and Neoarchean assemblages subdivided into western, central, and eastern subsections.

The property occurs within the western subsection that is underlain by primarily Neoarchean juvenile arc assemblages and Timiskaming-type arc-rift basins with alkalic syn to late tectonic intrusions and flows. Trowell et al. (1980) identified three main assemblages south of Dryden between the Wabigoon fault and the Atikwa batholith that include the Eagle Lake, Lower Wabigoon, and Upper Wabigoon volcanics (Figure 5).

The volcanics are truncated to the north by the Wabigoon fault that separates the predominantly greenschist metamorphic facies volcanic rocks from the amphibolite facies Zealand sediments to the north. The Zealand sediments are late orogenic Timiskaming-type subaerial to shallow marine sediments and are part of a series of variably aged sediments that include Warclub sediments from the Savant Lake belt, Minnitaki Group sediments from the Sioux Lookout area, Crowduck Lake group and White Partridge Bay group sediments from the Kenora area, Stormy Lake group sediments southeast of the property, and potentially coeval Quest Lake sediments from the Sturgeon Lake belt with associated with late tectonic alkalic intrusions.

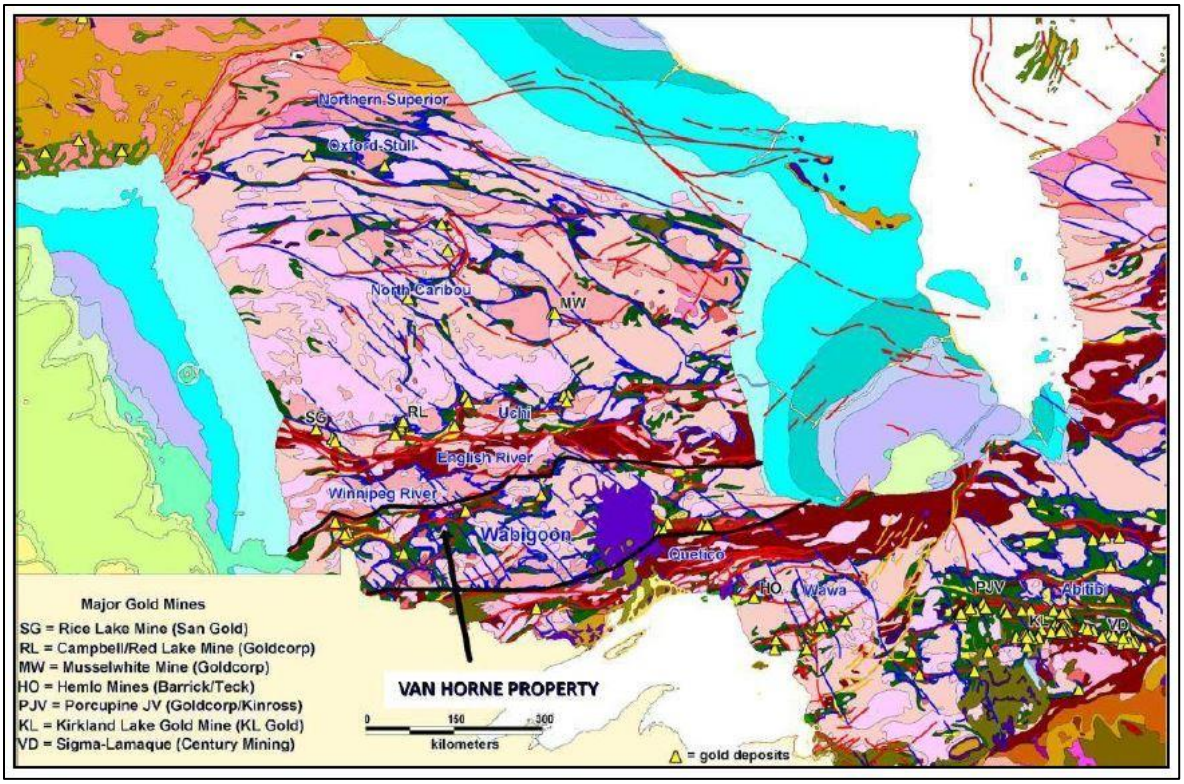

Figure 4: Regional Geology of the Superior Province

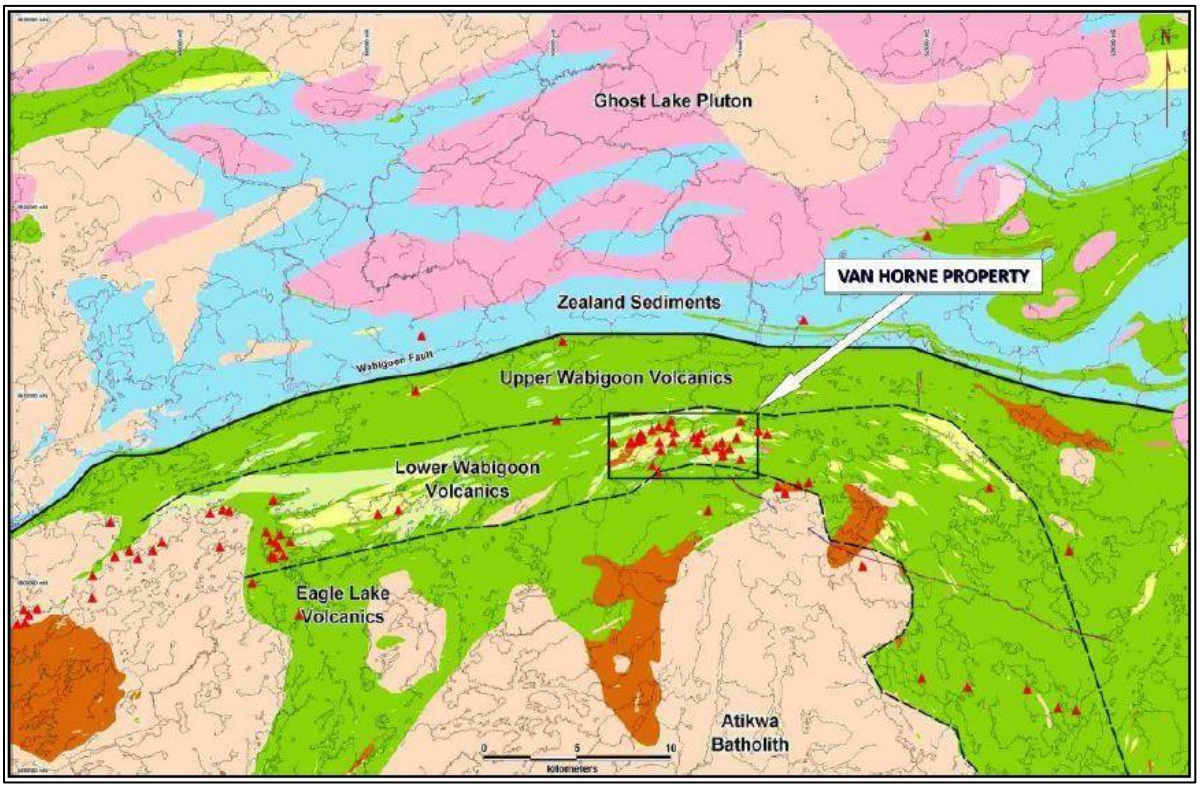

Figure 5: Eagle Lake - Wabigoon Lake belt geology (modified from Blackburn et al. 1991)

Eagle River volcanics are not described in Trowell et al (1980), but the Lower Wabigoon volcanics are reported as a mixed assemblage of calc-alkaline and tholeiitic mafic to felsic volcanic flows and synvolcanic intrusions. Trowell does reference Satterly's (1943) observations of several northeast trending folds in the lower Wabigoon volcanics. Upper Wabigoon volcanics are reported as a high iron tholeiite and are considered by Trowell to be similar to the Boyer Lake volcanics adjacent to the Stormy Lake sediments.

The property is underlain primarily by Lower Wabigoon mixed assemblage volcanics and contains one of several clusters of intermediate to felsic volcanic sequences that may be related to local felsic volcanic vents. The intermediate to felsic units include coarse to fine grained volcaniclastics, flows, and a variety of mafic to felsic synvolcanic intrusions.

Upper Wabigoon volcanics are strongly sheared and altered 200-400 m south of the fault (Beakhouse, 2001) and variably sheared throughout Eagle Lake and Wabigoon Lake areas (Satterly, 1943). Both Satterly (1943) and Moorehouse (1941) report widespread deformation and alteration of the volcanic stratigraphy into a variety of chloritized and carbonatized schists, suggesting a much more pronounced deformation and alteration history than indicated on the overly simplistic available maps (Figure 6).

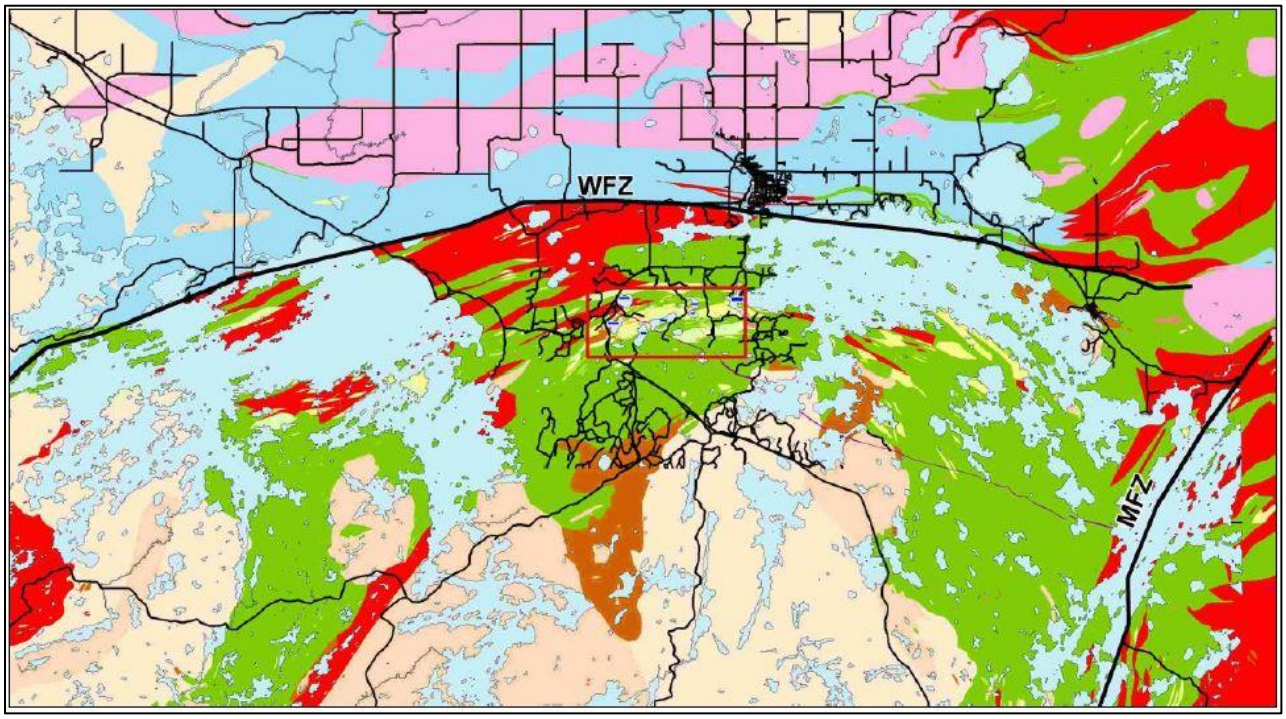

Figure 6: Belt Scale Alteration (red) from Satterly (1943) and Moorehouse (1941)

7.0 Property Geology and Mineralization

The information presented in this section is primarily sourced from Carr & Baker, 2018

7.1 Property Geology

The Lower Wabigoon rocks underlying the Van Horne property comprise a complex of massive to pillowed, calc-alkaline and tholeiitic, mafic volcanic flows that are typically carbonatized, chloritized and host to disseminated pyrite as well as local magnetite and quartz (e.g. Redeemer mine and Guy Lake area).

The mafic flows are typically intercalated with coarse to fine, mafic to intermediate, volcaniclastic flows and flow breccia. Magnetite is commonly a minor component of mafic breccia flows. Intermediate to felsic volcaniclastics occur throughout and include tuff breccia, lapilli tuff and ash tuff variants, which are generally heterolithic and range from poorly-sorted and massive to moderately-sorted and bedded. Joliffe (1988) reports that iron-rich tholeiitic basalts coincide with some of the magnetic anomalies in the Vanlas area east of Pritchard Lake.

Mafic volcaniclastic fragments are typically rounded and felsic fragments are generally angular. Many volcaniclastic units with intermediate to felsic fragments have a mafic matrix.

Felsic volcanic flows occur along an east-west trend from north of Flambeau Lake to Larson Bay, defining either a depositional horizon or possibly a fold axis (Figure 7). The flows are typically sericitized and carbonatized, becoming chloritized in the Guy Lake-Twingrass Lakes area. Disseminated pyrite and magnetite are common in flows and tuff variants. A quartz-diorite intrusion immediately north of Flambeau Lake with disseminate pyrite and magnetite may be a shallow intrusive equivalent. The intrusion locally contains up to 15% magnetite and 25% pyrite and has a clotty chloritic phase.

Discontinuous interflow sedimentary rocks, primarily reworked tuff, occur throughout the property and exhibit laminated bedding and sorting as well as scour and fill features.

The Lower Wabigoon volcanic rocks are intruded by gabbroic to dioritic sills, particularly in the Flambeau Lake area, and are observed to be gradational into mafic tuff breccia indicating they are synvolcanic intrusions. The sills contain abundant magnetite and/or pyrite and are typically carbonatized and sericitized. Country rock volcanics are also intruded by suites of pre-Proterozoic mafic and felsic dykes, which crosscut all units except for the Proterozoic diabase dyke. Mafic dykes are fine- to medium-grained, gabbroic to dioritic, and contain massive, vesicular, amygdaloidal, and porphyritic variants. The dykes are typically northeast and northwest trending around Flambeau Lake and east-west trending to the east of this lake. Scheinbein, R. and Parker, J.R., (1988a) suggest they are synvolcanic based on textural similarities to mafic flows. However, some dykes occupy the expected dilation sites in a dextral transpressive settings that post-date volcanism, suggesting there may be more than one mafic intrusive event.

Felsic dykes include both feldspar porphyry (“FP”) and quartz-feldspar porphyry (“QFP”) dykes. The dykes are generally <50 m wide and are typically either northwest or east-west trending. A significant number of the gold mineralized fault zones with quartz-ankerite vein arrays, also contain porphyry dykes.

Bruce (1925) reported deeply weathered, narrow lamprophyre dykes in the Bonanza and Redeemer mine areas. The rocks are dark purplish in colour and thin section analysis indicated that they are strongly altered. Satterly (1943) observed similar dykes and described the original hornblende phenocrysts as partially replaced by biotite and the groundmass as an aggregate of biotite, hornblende, carbonate, pyrite and accessory sphene.

Joliffe (1984) reports predominantly east-west trending lamprophyre dykes within the host structures to the Ideal, Bonanza-Lost, Redeemer and SV 372 mine trends, and also states that it is possible that many of the intermediate volcanic rocks are altered mafic rocks, consistent with earlier work by Satterly (1943). Mapping also identified two younger units of porphyritic granite and granodiorite, located 600 m southeast and 1500 m southwest, respectively, of the Redeemer mine. The latter crosscuts all lithologies but is interpreted to be contemporaneous with at least some of the QFP/FP dykes. Moderate ankerite alteration is reported from most of the felsic volcanic rocks over a 6 x 2.5 km area near the Bonanza-Redeemer mines.

7.1.1 Lithologies

The 2008 reconnaissance mapping was generally in agreement with historical mapping from the 1980's (Scheinbein, R. and Parker, J.R., 1988a; Scheinbein, R. and Parker, J.R., 1988b), with the main rock types including massive and pillowed mafic volcanic flows, felsic volcanic flows, mafic, intermediate and felsic tuff breccias, lapilli and ash tuff, synvolcanic gabbro dykes, synvolcanic quartz-diorite dykes and sills, quartz-feldspar porphyry and quartz porphyry dykes.

Massive mafic volcanic flows vary from medium green to medium grey-green, with lighter colours reflecting an increase in hydrothermal alteration. Flow top breccias are also observed locally (Lengyel, 2008b).

Pillowed flows occur mainly in the east half of the property, extending east from the Bonanza/Redeemer shaft area into Wabigoon Lake. The pillowed flows are often variolitic (Lengyel, 2008b) and appear to coincide with a magnetic low region that extends east through the south half of Wabigoon Lake.

Mafic, intermediate and felsic volcaniclastics are highly variable in composition and grain size and range from clast- to matrix-supported (Lengyel, 2008b). Clast sizes vary from 25 cm down to <1 cm but are typically 3-5 cm in diameter. Clast composition varies from intermediate (medium gray) to felsic (buff to cream coloured); however, there are also what appear to be mafic clasts in the Pritchard Lake/Flambeau Lake area that are commonly recessively weathered and composed of chlorite, magnetite and ankerite, commonly in a bimodal mix with intermediate to felsic clasts.

Several volcaniclastic units contain what appear to be sedimentary clasts that are pebble-sized, rounded and matrix-supported. These may be similar to Timiskaming-type conglomerates.

7.1.2 Alteration

The strongest and most persistent alteration occurs in in corridors along an east-west central altered zone ~8 km long by ~250-500 m wide that passes through the Lost, Bonanza, Good Luck, Drake, Little Jumbo mines, as well as the Flambeau deposit area. Alteration is defined by varying degrees of chlorite-white mica- ankerite-calcite fracture fill and occurs irrespective of rock type. Additional east-west trending zones of chlorite ± ankerite-calcite alteration flank this main trend to the north and south. Additional chlorite-calcite alteration occurs in the northwest end of the property and is spatially associated with the Vanlas deposit.

Vein infill and pervasive silicification occurs along the central altered zone and locally throughout the property. Pervasive silicification is less well-defined due to the variability in primarily lithology and irregular distribution but is generally widespread as indicated by the occurrence of quartz veins throughout the property. Follow up mapping by the OGS in the 1980's (Scheinbein, R. and Parker, J.R., 1988b) identified 170 separate quartz vein occurrences, the majority of which have not been adequately explored. The large footprint of quartz veins is consistent with widespread hydrothermal alteration. Whole rock and geochemical analysis from the 2008 program showed elevated loss on ignition (LOI), and major elements (including SiO2) that further support the observed and interpreted widespread alteration (Lengyel, 2008a).

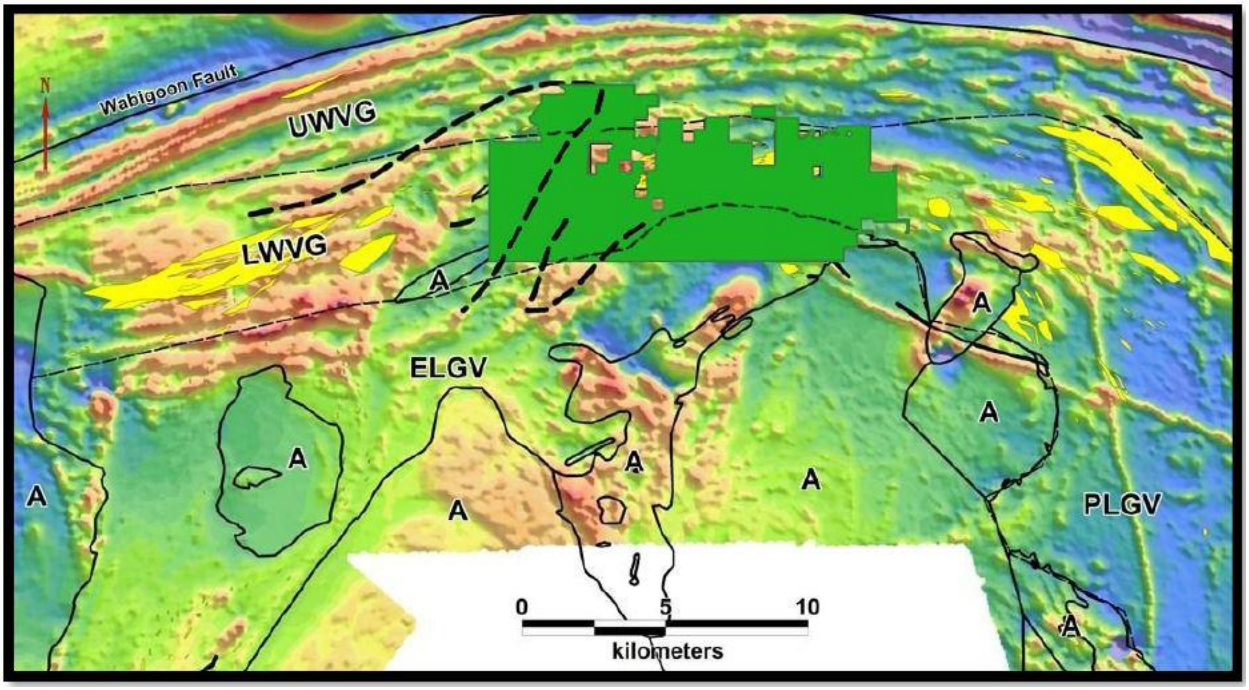

Figure 7: Total Field Magnetics (Lengyel, 2008a). Mapped felsic volcanic units in yellow, Atikwa intrusions marked by "A", interpreted antiform/synform in dark dashed line.

7.2 Mineralization

Van Horne hosts a cluster of documented gold occurrences that follow a 12 x 3 km east-west trend between Eagle and Wabigoon lakes (Figure 8). Gold mineralization within and close to the property occurs in quartz-ankerite ± tourmaline ± chlorite ± magnetite ± sulphide (pyrite, chalcopyrite, galena, sphalerite, molybdenite) vein arrays within brittle-ductile deformation corridors (Joliffe, T.S., 1984). Visible gold is reported from several localities, with gold mineralization extending beyond the property along strike to the west in Eagle Lake and to the southeast through the Contact Bay area.

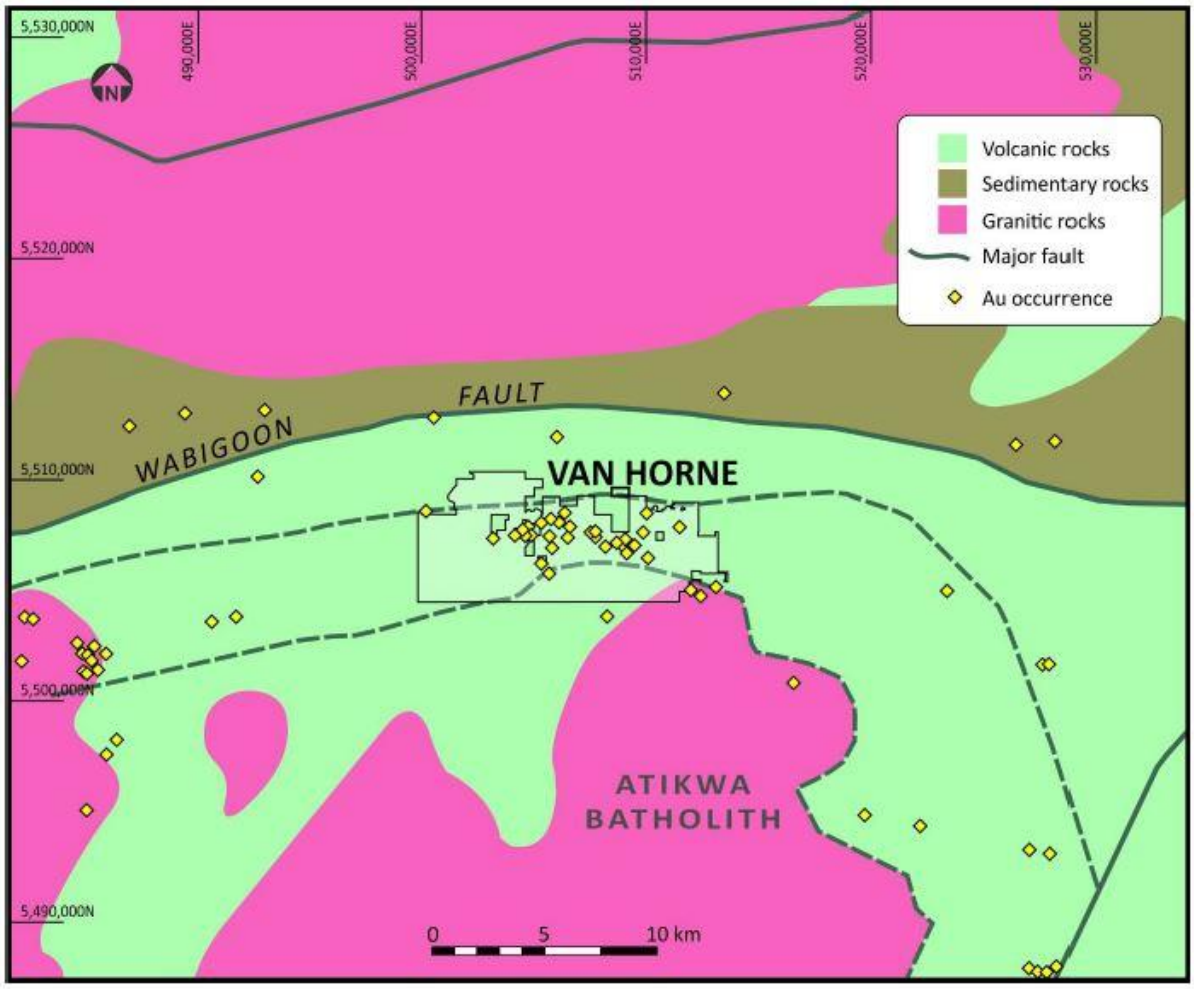

Figure 8: Gold occurrences in the Van Horne Area (Carr, I., Baker, D., 2018)

The deformation corridors are east-north east trending; the general orientation has been interpreted to reflect the transposition of the main penetrative fabric parallel to the margin of the ovoid shaped Atikwa batholith to the south (Joliffe, T.S., 1988), and failure along the major contact at the poorly defined base of the lower Wabigoon volcanics. The host faults are all reported to be north dipping with no documented plunge controls.

Fault zones typically host syn- to late-tectonic felsic porphyry dykes and mafic lamprophyre dykes. The intrusives may reflect a continuum from typical calc-alkaline (sanukitoid) intrusions, such as feldspar porphyry, to alkalic compositions like lamprophyre. Syntectonic sanukitoid to alkalic intrusions are a key geological component of productive gold districts at Timmins, Kirkland Lake, Larder Lake, and Val D'Or (Beakhouse, 2007). One of the diagnostic indicators of these late intrusions is the presence of magnetite and sulphides. Both minerals are widespread throughout the veins and lithologies at Van Horne.

8.0 Exploration Program 2021

In 2021 KG Exploration (Canada) Inc. carried out an exploration program that consisted of three distinct phases; winter diamond drilling, geological mapping and sampling, and summer diamond drilling. The objective of this program was to follow-up on targets identified in 2020, complete additional work in areas that yielded anomalous gold values in the 2020 and generate targets for development in future exploration programs. Field work was completed by Clark Exploration on behalf of KG Exploration (Canada) Inc.

All exploration activities performed during the 2021 field program were completed under Permit Number: PR-19-000337.

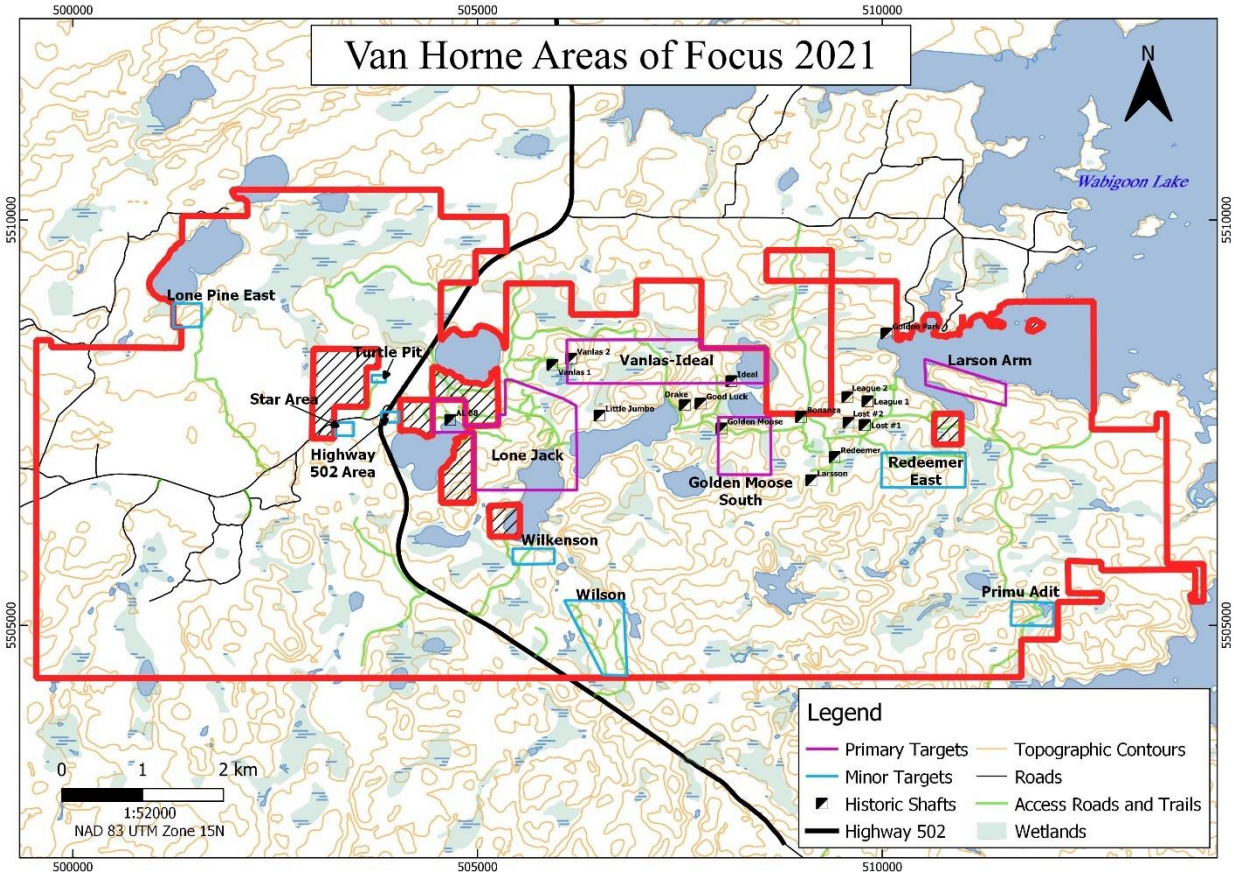

Figure 9: 2021 Exploration Program, Areas of Focus

8.1 Geological Outcrop Mapping

During the 2021 summer mapping and sampling phase, detailed lithological and structural mapping was carried out on four primary target areas throughout the property (Ideal-Vanlas, Lone Jack, Golden Moose South and Larson Arm) (Figure 9). Mapping was completed by a field team of three geologists and a geological technician working in pairs. This mapping took place from May 6th to September 4th. The aim of this phase was to map in detail each target area, focusing on mineralization, alteration, and potential structural corridors. It is through this initial phase that areas were highlighted for drilling in the following phase of the program.

8.1.1 Mapping Procedures

Outcrops were recorded digitally using a Samsung Galaxy Tab Active2 Tablet which ran the Avenza Mapping software and utilized an internal geographic positioning system which was then referenced against a hand-held Garmin GPS to provide quality control on location accuracy. Outcrops were digitized by carrying the tablet around the perimeter of the exposure and recording the details in a pre-defined data table which included, lithology, alteration, structure, and mineralization codes to standardize field descriptions. Structural information was recorded utilizing a field compass and was entered digitally into the data table. Field teams were also able to add additional comments if needed.

8.1.2 Rock Sampling and Geochemical Assay

To validate historical and contemporary data, and to identify new targets with potential for further exploration, 566 rock samples were collected throughout the property. At least a “two fist size” portion of rock was collected from each sample location, then placed in a polyethylene bag with a unique sample tag and tied closed. Most samples of vein material typically included a limited amount of vein wall material. Grab sample locations were taken using a Garmin GPS. A metal tag, inscribed with the sample number was tied to a representative piece of rock and left in the location of the sample, while a piece of fluorescent tape was hung above the sample location. In some instances, sample collection was aided by a rock saw.

Channel sampling was performed at select hand exposures created during the mapping program. Samples ranged from 0.30 to 1 m in length. 17 channel samples were collected from two exposures. These channel samples were cut by two field assistants using a gas cut-off saw.

For shipping to the analytical lab, samples were packaged into rice bags (6-7 per bag). Standards and blanks were inserted into the grab sample stream at approximately 1 in every 20 samples and account for 7% of the submitted samples. Each rice bag was sealed with a ziptie and transported to ALS Laboratories, Geochemistry – Thunder Bay via Gardewine Transport or Clark Exploration personnel.

Rock (Grab) Sample descriptions are present in Appendix D channel sample descriptions are present in Appendix E and certificates of analysis are present in Appendix F.

8.2 Diamond Drilling

Seven NQ diamond drill holes, totalling 1,040 m, were drilled from February 16th to March 8th, 2021, as part of the winter diamond drilling phase. Drilling was conducted by Major Drilling Group International Inc. (“Major”), utilizing a skid mounted diamond drill, and supported by a Caterpillar D4 bulldozer and serviced by light trucks.

Eleven NQ diamond drill holes, totalling 2,903.5 m, were drilled from September 5th to October 28th, 2021, as part of the summer diamond drilling phase. Drilling was conducted by Major Drilling Group International Inc., utilizing a skid mounted diamond drill, and supported by a Caterpillar D6N and D4 bulldozer.

Core was logged for geological and geotechnical information and sampled at a secured indoor garage located in Dryden, Ontario, a 25-minute drive from the property.

8.2.1 Earthworks

During the winter drill phase snow removal along Old Contact Bay Road by Hutchinson Contracting Limited of Dryden, Ontario using a Caterpillar grader. Preliminarily snow removal and trail pushing were done by Steven Blair Contracting of Oxdrift, Ontario using a John Deere 650 bulldozer.

As part of the summer drill phase, timber removal was performed on twelve proposed drill pads and access trails on the west side of the property. The work was performed by contractor Jamie Anderson of Barker Logging out of Emo, Ontario using a Tiger cat 870C feller buncher. Further drill pad building for the thirteen sites was done by Major Drilling. Not all proposed drill pads were used, and some planned holes occurred on pre-existing trails and did not require timber removal. As part of the winter drill program, seven pads were built by Major Drilling. All pad building done by Major Drilling during the winter and summer drill programs was done using a Caterpillar D6N and D4 bulldozer.

8.2.2 Collar and Downhole Surveys

Drill hole collars were sighted using a combination of hand-held GPS (for location) and Silva compass (for azimuth). Compasses were set to a declination -1°. The drill rig was positioned over the collar and aligned using a Reflex TN14 Gyrocompass. The Reflex TN14 gyrocompass is a north seeking tool that provides high accuracy (+/- 0.3°) alignment.

During drilling, holes were surveyed 3m below casing using a Reflex Gyro Sprint IQ which is a north-seeking gyro tool operated in multishot mode. Surveys were taken every 30 m after the first test below casing. Upon completion of drilling, a survey was taken using the Reflex Gyro Sprint IQ in continuous mode, with stations every 3 or 5 meters.

Following drilling, holes were capped with an aluminium plug stamped with the hole ID and marked with a flagged picket. After completion of the program, final drill hole locations were recorded using the Waypoint Averaging mode on a handheld Garmin GPS. Final collar locations are presented in Table 4 and 5.

8.2.3 Core Orientation

Drill core was oriented for structural measurements in all the 2021 drill holes from the base of overburden until the end of hole (EOH). The bottom-of-hole orientation mark was placed by the drill crew using a Reflex ACTIII core orientation system. Following transport to the core shack, geological technicians realigned the core and drew a blue orientation line if the bottom of hole mark could be accurately related to the rest of the drill run. Orientation lines were transposed onto adjacent runs if the start or end of the runs could accurately fit together. Alpha and beta angles of structural features were recorded where they could be determined.

8.2.4 Geological Core Logging

Geological ‘quick-logs’ were produced for real-time lithological information by the on-site project geologist as core was delivered to the core shack at the beginning and end of each day. The purposes of these logs were to rapidly identify lithologic units and major alteration and veining and their approximate (±15 cm) position in the drill hole. The real-time data also gave supervising geologists a better idea on whether to continue or shutdown holes.

Geological information was entered directly into the MX Deposit core logging software. Features were recorded based on their start and end depths to centimetre accuracy within the drill hole, measured along the core axis.

Lithologic units were identified and assigned a predetermined lithology code designed to standardize the lithologies on the property between surface mapping and drill core logging. Additional lithologic information entered in the log included texture, grain size, colour and any other descriptive modifiers or comments.

Alteration type and style were recorded based on visual observations of mineralogy, distribution, and intensity. Structures such as faults, foliations, contacts, and veins were also recorded, and their alpha and beta angles were measured where possible.

The presence of gold, sulphides and any other notable mineralization were recorded in from-to intervals as well, in addition to their estimated percent, abundance and style.

8.2.5 Geotechnical Core Logging

Geotechnical data collected from the core included rock quality designation (RQD), total core recovery (TCR), and magnetic susceptibility. With each parameter recorded in the MX Deposit software.

Total Core Recovery (TCR) is the amount of core recovered, measured from core block to core block. Fractured core was re-assembled, and rubble was pushed into an approximate core volume prior to measuring.

Rock Quality Designation (RQD) was also measured from core block to core block, comprising the sum of all naturally fractured core lengths >10 cm in length divided by the run length. Natural fractures include breaks that are inherent to the lithology (e.g. joints) but not mechanical breaks generated by drilling.

Magnetic susceptibility was measured using a KT-10 Kappameter, taking a reading every metre.

8.2.6 Geochemical Sampling and Assay

Drill core samples ranged from 0.3m to 1.5m in length. Core samples were selected based on observations made by the logging geologists. Core samples were obtained by cutting the core parallel to the core axis with a Vancon saw fitted with a diamond blade along a cut line which was drawn on by the logging geologist. The core was then placed into labelled plastic sample bags with unique sample tags and ID's that were then stapled closed. For shipping to the analytical lab, samples were packaged into rice bags (6-7 per bag) for shipment. Standards and blanks were inserted into the grab sample stream and account for 8% of the submitted samples. Each rice bag was sealed with a ziptie and transported to ALS Laboratories, Geochemistry – Thunder Bay via Gardewine Transport or Clark Exploration personnel.

In addition to the regular analyses, geologists while logging would take note of unique lithologies observed throughout the hole and specify those samples to be sent for specific gravity via ALS using a pycnometer (OA-GRA08b).

If visible gold was encountered, special protocol was undertaken which included inserting a blank immediately after the sample containing visible gold and a high-grade certified reference material further down in the sample series.

9.0 2021 Exploration Program Results

9.1 Mapping and Rock Sampling

9.1.1 Golden Moose South Mapping

9.1.1.1 Field Mapping

Mapping done in the Golden Moose South area was completed at roughly 1:250 scale over 12 field days (Figure 10). One field team consisting of two geologists, mapped 84 outcrops, and collected 48 samples. The area displays a repeating sequence of mafic volcanic and mafic volcaniclastics. The mafic volcanic unit is characterized by a very fine to aphanitic grain size displaying moderate-strong pervasive silica alteration. This combination of alteration and grain size presents a cherty texture in most instances. In the north-eastern portion of the target area, this unit was seen displaying 1-3% disseminated pyrite with surficial oxidization. The mafic volcaniclastic unit is characterized by an often-moderate abundance of clasts and a moderate to strong foliation. The clasts in this unit range in size from 0.5cm to 10cm wide. Sulphide content in this unit is low (0.5-1%).

Intruding this volcanic sequence is a series of felsic intrusions. These intrusions vary slightly in appearance and have been mapped as Quartz-feldspar porphyries. These highly silicious units often lack porphyritic texture and can be massive or weakly deformed with biotite grains defining a weak-moderate foliation. Contacts measured show these intrusions striking between 245-288˚. Given the varying texture and overall appearance of these felsic intrusions, it is likely they are different generations of the same intrusion package. Irregular quartz veining is common within these intrusions. Veins are often observed occurring as a pseudo-stockwork/vein set (2-7 veins observed in outcrop) with varying widths (1-10cm) and orientations (striking:226-298˚ dipping: 40-80˚). The assemblage of these veins is consistent: quartz-ankerite±pyrite. Mineralization is rarely seen within or on margins of the veins but is common in proximal wall rock (1-2% blebby py) when vein density is high (>2-3 veins).

A mafic intrusive unit was mapped in two locations in the north-east portion of the target area. The unit was magnetic and medium grained. This unit shares similarities with the gabbroic unit mapped in the bonanza exposure and is possibly related.

The most prospective target in the Golden Moose South area is a 35 m long shallow (0.5-2m) trench discovered in the central portion of the Golden Moose South target area. This trench (and series of small blast pits) targets and east-west trending vein that varies from 1-15 cm in width. This vein runs along a contact of a mafic volcanic (north) and an intermediate volcanic (south). The intermediate volcanic unit is highly silicified. Orientation of the vein varies slightly, striking 272-280˚ and dipping 72-90˚. Sulphide content in the vein is as high as 20% occurring in clusters proximal to vein margins.

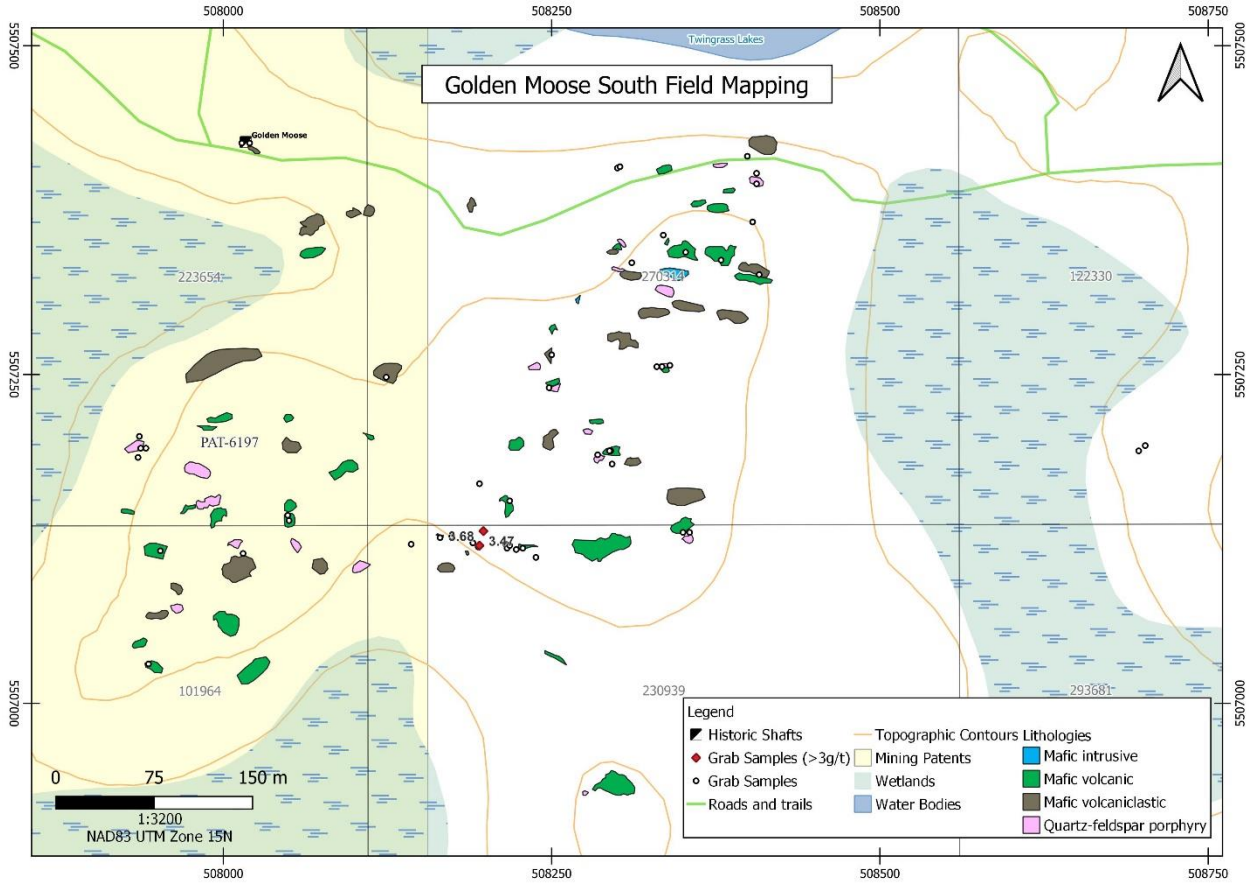

Figure 10: Golden Moose South Outcrop Mapping and Sampling During 2021 Field Program

9.1.2 Vanlas-Ideal Area Mapping

9.1.2.1 Field Mapping

Mapping in the Vanlas area was conducted at a 1:250 scale to the east of the two historic Vanlas shafts (Figure 11). Over 17 days, 108 outcrops were mapped with 48 grab samples taken by a field crew of one geologist and one field assistant. Lithologies consist of mainly mafic – intermediate volcanics and volcaniclastics with sparse quartz-feldspar porphyry (QFP) intrusions present around the historic blast pits. The mafic – intermediate volcanics show similar weak pervasive silica alteration. Clastic units show subrounded – rounded clasts which were intermediate – felsic in composition. Intermediate units were lighter grey in colour than the darker green mafic units. QFP units are present around the blast pits North-East of the Vanlas shafts – these units appear to be sheared and contain large blebs of surrounding intermediate/mafic volcanic within them.

Quartz veining within the Vanlas area follow a North-West / South-East trend. A weak East-West foliation trend is present predominantly within the volcaniclastic units and rarely within the volcanics. Several notable exposures are present within the Vanlas area – most pertain to historic blast pits. One notable blast pit which displays 10 – 50 cm quartz-tourmaline-ankerite veins trending 087° with a dip of 67 ° appears to the north-east of the historic Vanlas shafts. Grab samples were taken from each vein present along with host rock samples in the surrounding area. Another notable area is a blast pit in the northern end of the Vanlas target area. The surrounding host rock is predominantly heavily altered ankerite volcanics with a large amount of quartz-ankerite-tourmaline vein rubble. The two blast pits present show evidence of veining, however only the more eastern blast pit has veins which are still present. Grab samples were taken from float of the quartz veins along with host rock samples from the surrounding area.

Several historic blast pits are present east of the historic Vanlas shafts. The blast pits within Vanlas consistently display quartz-ankerite±tourmaline±chlorite veins along with stronger pervasive silica - pervasive ankerite alteration within the host rock. Host rock within proximity to blast pits show low amounts of shearing. Crews were unsuccessful with following veins from blast pits along strike.

One day was spent locating, clearing, and sampling a series of pits 360 m north of the Vanlas 2 shaft. These pits make up what is believed to be the Machin occurrence recorded in the Ontario government's Mineral Deposit Inventory (MDI). This area displays 2 shallow 1x2 m trenches occurring on the east and west sides of and a main 2x3 m wide, 1.5 m deep pit. The main pit exposes an 80-100 cm wide quartz-chlorite-carbonate±tourmaline±pyrite vein. The upper and lower contacts of the vein are sheared and ankerite altered. The orientation of this vein varies from 283-292°/77-83˚. This vein is observed in the western pit but due to excessive blowdown and overburden, exposure is limited. Samples were collected from sheared margins, vein material and proximal blast rock.

Mapping on the Ideal side of the Vanlas-Ideal target area was conducted at 1:250 scale around and extending to the west of the historic Ideal shaft (Figure 12). Over 11 days, 72 outcrops were mapped with 30 grab samples taken by two field crews with two geologists and two field assistants. Lithologies include mafic – felsic volcanics / volcaniclastics with few QFP units within the large historic stripping on the east side of the Ideal target area. The mafic – intermediate volcanics and volcaniclastics are consistent with the lithologies seen in the Vanlas target area. The felsic volcanics are massive in texture with strong pervasive silica alteration – these units are consistently seen with quartz-carbonate-tourmaline±ankerite±biotite veins on contacts with other units. The felsic unit shows a massive texture with a glassier texture close to contacts between other units.

The historic Ideal stripping and shaft are found to the east end of the Ideal target area, mapping was focused along following the trends of the large quartz-carbonate-ankerite-tourmaline±biotite±pyrite veins found within this area. Several 15-55 cm veins extend from the shear vein set on the main Ideal stripping into the large 3x3x3 m blast pits to the east until they drop off 40 meters into a topographic low. Correlation between the units displayed in historic

stripping and units to the west is possible with the similar felsic unit seen between the two areas – the veins have a similar composition and shear fabric present as well.

Ideal has several notable areas constrained mainly to the large historic shaft, stripping and blast pits. Following the extensions of the major shear vein sets found on the stripping, several 15 – 55 cm quartz-carbonate-ankerite-tourmaline±biotite±pyrite are present trending 290˚ – the average for these veins being between 270 – 300˚. Several grab samples were taken in the historic blast pits and on the extension of these veins to the east – the largest of the veins is lost 30 meters to the east of the historic stripping.

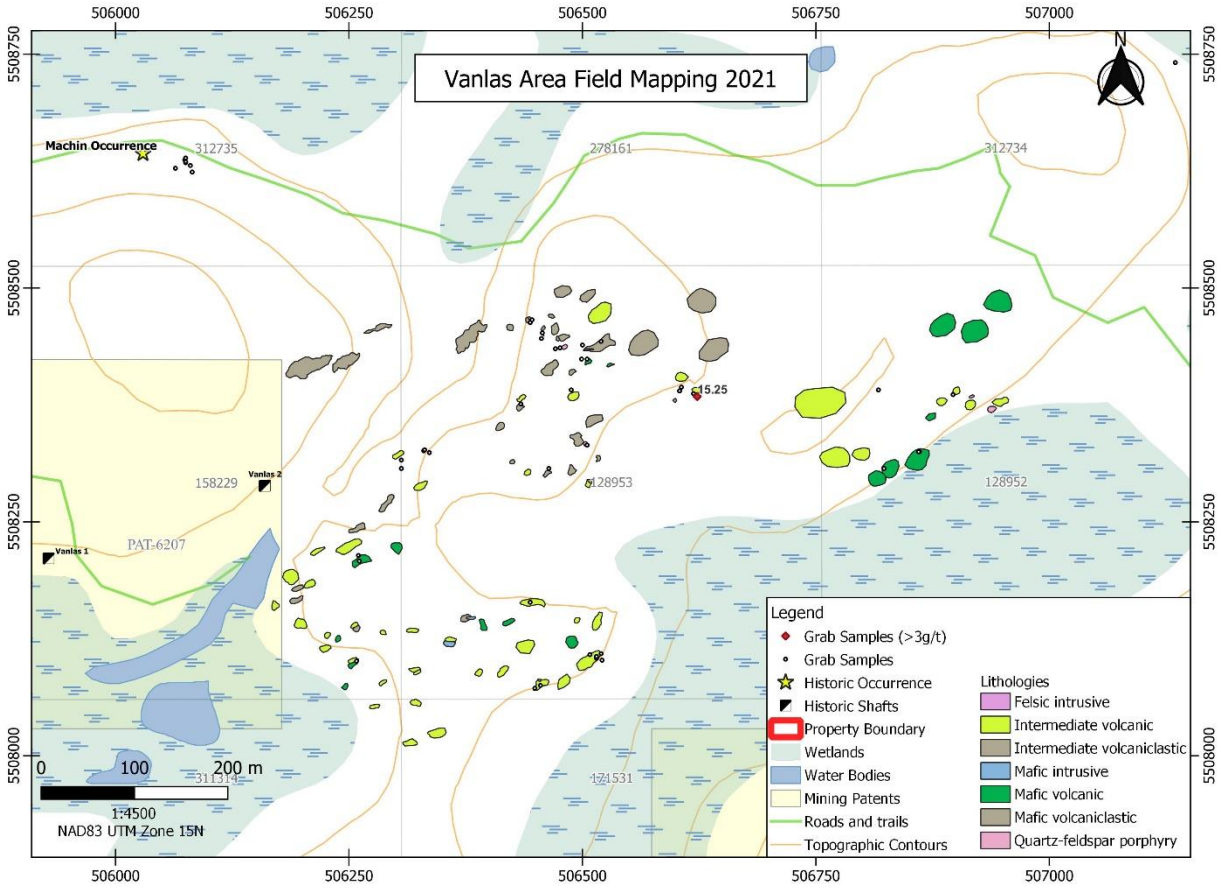

Figure 11: Vanlas portion of Ideal-Vanlas Area Mapping and Sampling During 2021 Field Program

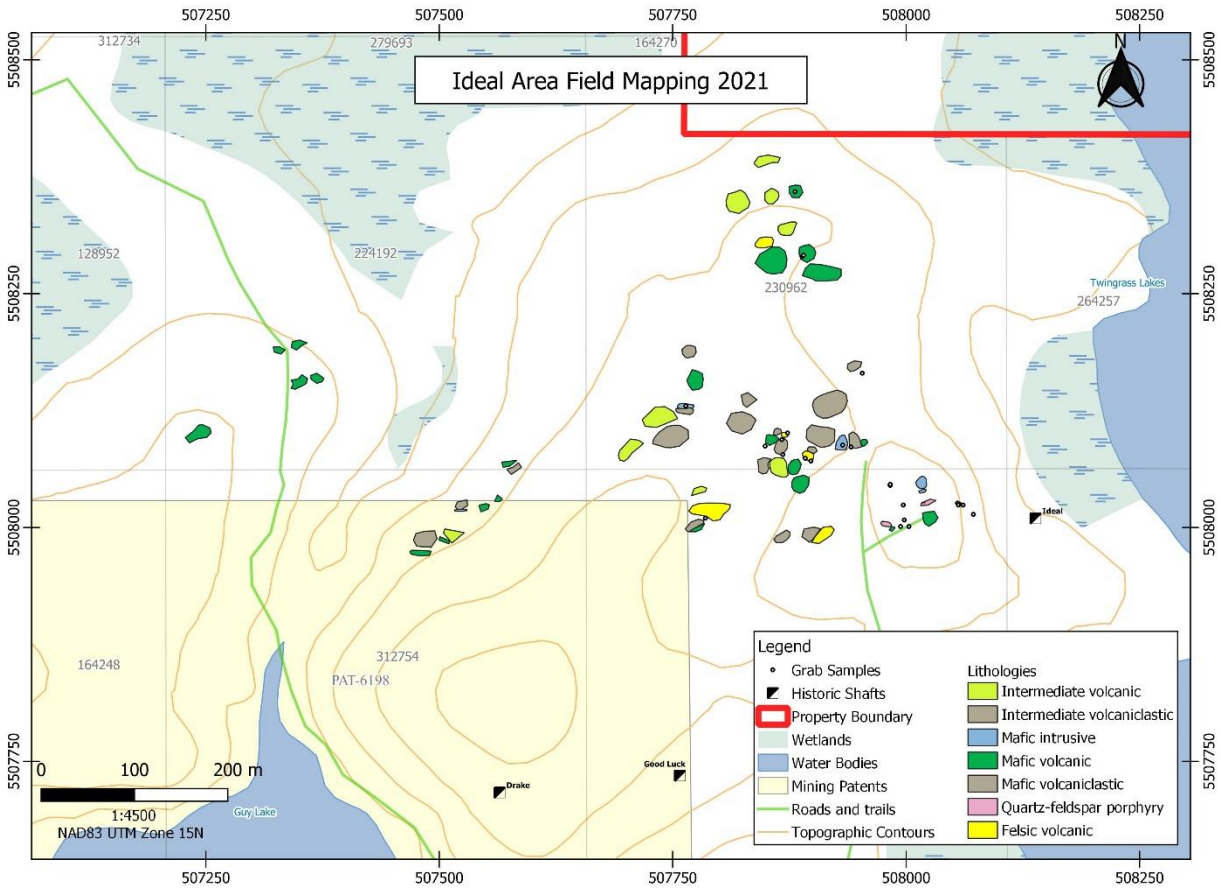

Figure 12: Ideal portion of Ideal-Vanlas Area Mapping and Sampling During 2021 Field Program

9.1.3 Lone Jack Area Mapping

9.1.3.1 Field Mapping

Mapping in the Lone Jack area was completed at a 1:250 scale (Figure 13). Over a 32-day period, 124 outcrops were mapped with a total of 181 grab samples collected. The Lone Jack area lithologies are consistent with the rest of the Van Horne property (a sequence of volcaniclastic and volcanic units ranging from felsic to mafic in composition). A highly magnetic, late mafic intrusive unit striking roughly 305˚ runs consistently through the northern portion of the target area. Felsic intrusive units are seen often as quartz-feldspar porphyries, yet some felsic intrusion units do not display an obvious porphyritic texture. These highly silicious felsic intrusions are mostly seen in contact with intermediate-felsic volcanic and intermediate-felsic volcaniclastic units.

Areas of note in Lone Jack occur in contact zones between felsic intrusions and felsic volcanic/felsic volcaniclastic units. Within these zones, high density quartz-ankerite-pyrite vein sets occur. These veins are seen consistently throughout the target area, occurring in all units, often in low densities (outside of felsic zones). Average orientation of the veins is 300°/75˚ with widths ranging from 0.5 cm to 20 cm. Pinching, swelling, and bifurcating of the veins is common. Pyrite mineralization within these veins is present along vein margins in low to moderate abundances: 1-4%.

Mapping from the 2021 program delineated three major trends. Northern Lone Jack Trend, Main Lone Jack Trend and Bob Lake Trend. All delineated trends are characterized by a high abundance of the 300/75˚ vein sets occurring

in strongly silicified volcanic rocks with intermingling felsic intrusions. The overall lineation of the trends is parallel with the strike of the vein sets.

As part of the Lone Jack area mapping, a crew of 2 geologists spent 4 days north of Flambeau Lake mapping near the historic AL-88 Shaft. A total of four outcrops were mapped and 28 samples collected. Most of the samples were collected from the outcrop hosting the AL-88 shaft which was re-exposed by the field crew. The geology in the area is consistent with the Lone Jack area. The AL-88 shaft is sunk into a ~2m wide shear zone made up of 70% quartz veins 1-40 cm in width. This structure (AL-88 Vein) displays a quartz-ankerite-pyrite±chalcopyrite assemblage and is hosted in an equigranular gabbro. Vein sets with an orientation of 300°/75˚ are observed throughout the area, consistent with the vein sets seen throughout the Lone Jack area. A second, shallow pit was found located 220 m directly north of the AL88 shaft. The pit is 3x3 m wide and roughly 3 m deep and is sunk into a 60-100 cm wide quartz-ankerite-chlorite-tourmaline vein. Margins of the vein are sheared and slightly folded. The average orientation of the vein is 280°/72˚. Sample tags and flags from previous field programs are seen in the pit, likely from 2011. Pyrite mineralization varies throughout the pit. Portions of the vein showing strong ankerite alteration, display 3% disseminated sulphides. Other, less altered, portions of the vein display trace to 0.5% pyrite. The highest pyrite content is seen in proximal wall rock. 4-6% wispy very fine-grained pyrite is seen in blast rock samples. Samples were collected from sheared margins, vein material and proximal blast rock.

9.1.3.2 Hand Exposures

Two hand exposures were created as part of the Lone Jack area mapping phase. These two targets were selected during the mapping phase because of the structures displayed as well as the lack of overburden which made them possible to be stripped without the use of heavy equipment. After stripping, both targets were mapped, and channel sampled using a gas cut-off saw. A total of 18 channel samples were collected from the two exposures.

The first, 95m North-East of the AL-88 shaft. The “Slice-Crop” displays a very high density of quartz-ankerite-chlore-pyrite veins. These veins, while bifurcating with each other, displayed a strike of ~300° and dip of ~77˚. This orientation is consistent with veins seen throughout the Lone Jack target area. Pyrite content in the veins varies from 1 to 10% often occurring as blebs in the host rock and disseminated along vein margins. Ankerite alteration is displayed throughout these veins both on surface and on fresh surfaces. The host rock is moderately altered and deformed but did not display a foliation. Historically, this area is mapped as a diorite. A dioritic texture was not evident and the host rock is mapped as a mafic volcanic.

The second exposure created was 10m south-east of two drill collars from the 1980’s. The “21-80 Exposure” displayed a similar set of bifurcating veins seen in the Slice-Crop. These veins had a similar assemblage (quartz-ankerite-pyrite) and orientation (~310˚/~75˚) to what is seen throughout the target area. Pyrite was less abundant in the veins and host rock (1-2% blebby). The host rock was mapped as Felsic Volcanic, displaying moderate abundance of strongly deformed clasts defining a strong foliation which appears to predate the veins (256˚/80˚).

Hand exposure maps can be viewed in Appendix G.

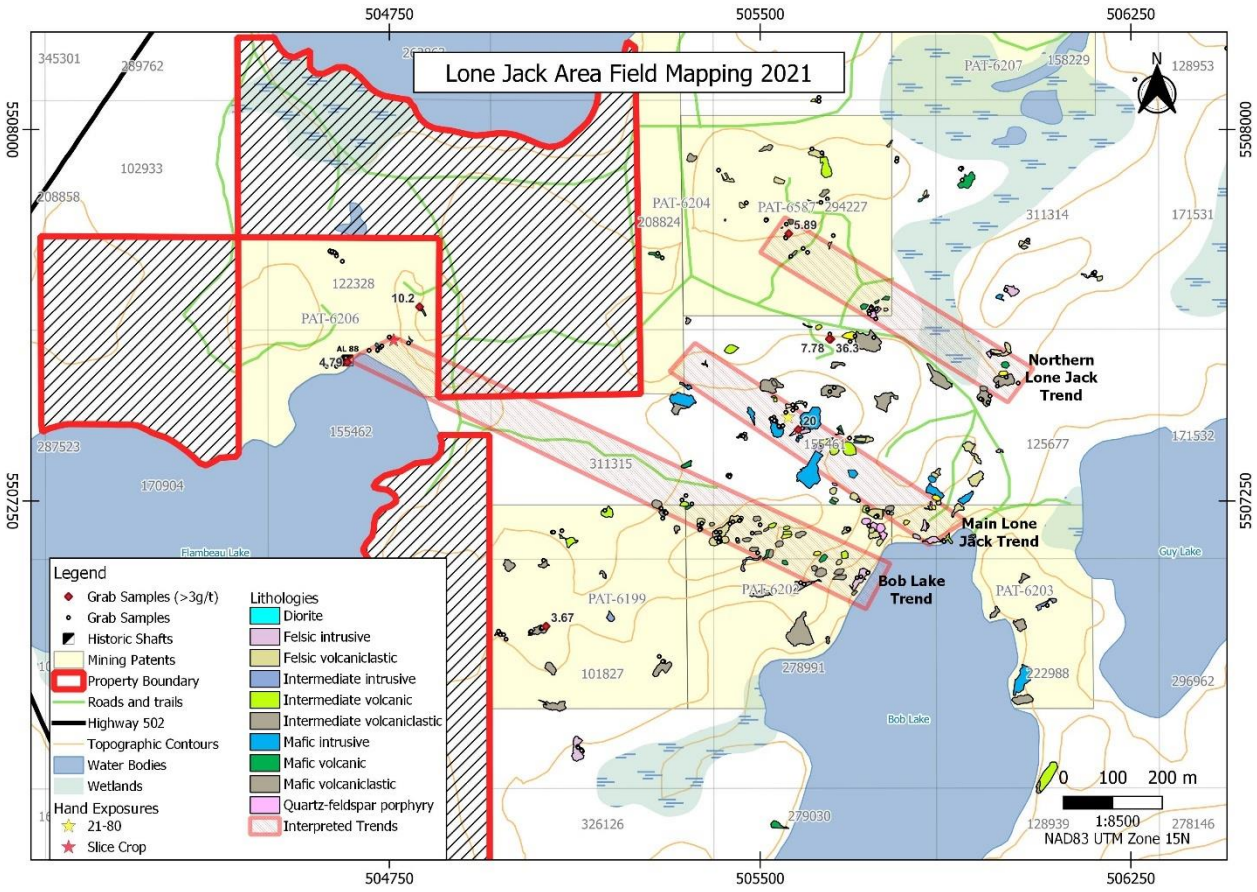

Figure 13: Lone Jack Outcrop Mapping and Sampling During 2021 Field Program

9.1.4 Larson Arm Area Mapping

9.1.4.1 Field Mapping

Mapping in the Larson Arm area was conducted at a 1:250 scale within the small Larson Arm peninsula (Figure 14). Mapping was focused on two historic occurrences and following trends found within these areas. Over 11 days, 57 outcrops were mapped with 44 grab samples taken by two field crews, with two geologists and two field assistants. The main lithologies in the area are mafic – intermediate volcaniclastic units with sparse amounts of mafic – intermediate volcanics present; felsic volcanics are generally found with quartz-carbonate±tourmaline veins within the area. Intermediate volcanic and felsic volcanic units are similar in terms of vesicular texture and light grey colour. The notable difference between the intermediate and felsic volcanic units is the silica alteration- stronger silicification in felsic units. The volcaniclastic units vary in clast size and composition; 70% of the clasts were angular and felsic, with some being more intermediate and elongated. Alteration and deformation of clasts / host rock increases with proximity to the volcanic units. The volcaniclastic unit shows strong shearing / intense silica+ankerite+sericite alteration along contacts while also becoming very platy with micas in areas. The volcanic units show moderate to strong silica, a vesicular texture, and a beige surficial colour. Veining was uncommon within the Larson Arm target area, small areas of crack-seal veins with ~15 cm blowout are present sporadically. The foliation and veining within the Larson Arm on average trend east-west.

The first historic occurrence visited was the Ahearn occurrence. This occurrence is made up of a series of shallow trenches, 1 m to 1.5 m depth. A small amount of stripping was done to uncover strong to intensely foliated, strongly silicified felsic volcanic unit. This deformation is consistent with what is seen in the volcanic units in the Larson Arm area. Veins range from flat lying on the western portion of the occurrence to 050°/55˚ and 275°/49˚ cross-

cutting veins in a trench on the eastern side of the occurrence. Mineralization is seen in the deformed host rock (0.5-1% py) along with weak to moderate ankerite alteration. The most notable mineralization occurs in the cross-cutting veins on the eastern side of the occurrence- 6% sulphide mineralization (3% pyrite, 2% arsenopyrite, 1% chalcopyrite).

The second occurrence visited in the Larson Arm area is the JP occurrence. The JP occurrence consists of a series of shallow, south dipping, quartz-chlorite veins along the southern shore of Wabigoon Lake. All veins display a similar width 1-4 cm with an average orientation of 118°/30˚. The largest vein displays intensely oxidized patches. Samples of these oxidised areas displayed high abundances of malachite, azurite, and chalcopyrite. Crews were unable to trace these veins along strike.

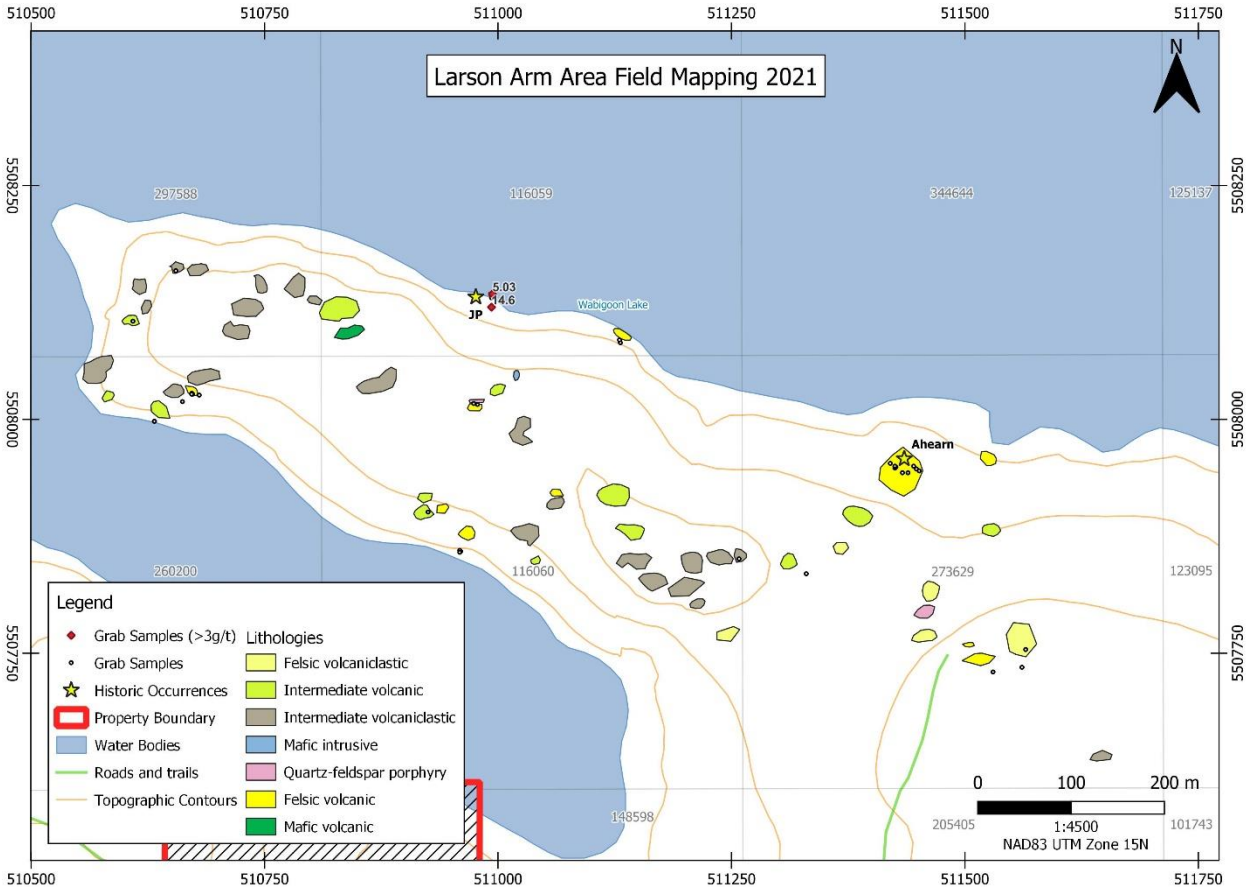

Figure 14: Larson Arm Outcrop Mapping and Sampling During 2021 Field Program

9.1.5 Minor Mapping Targets

9.1.5.1 Star Area

Four days were spent by two geologists creating two exposures on the west side of Highway 502 roughly 100m south of the 0.6 km mark of Ojibway Drive. This area was previously prospected in 2007 and an assessment report from Alex Glatz reported samples returning 9 g/t and 26 g/t gold values (Glatz, 2008). The report mentioned two outcrops which displayed stockwork quartz veins. Both exposures (Star Exposures and North Star Exposure) show evidence of previous work in the form of shallow channel sampling and small AQ drill holes. The northern exposure (North Star Exposure) shows historic sample tags from 2018 and 2011. A total of 34 samples were collected in the Star Area, some of which were collected using a cut-off saw.

The Star Exposure is made up of mafic volcanics with a moderate abundance of quartz-ankerite-pyrite±chalcopyrite±pyrrhotite±malachite veins. Pyrite mineralization is seen along vein margins as well as in the host rock as larger euhedral grains in moderate abundances (2-3%). Pyrite content is noted as high as 20% in a quartz vein sample. Orientation of these veins are similar to the veins seen in the Lone Jack area (285-310°/66-72˚).

The North Star Exposure is located 95 m NW of the Star Exposure and consists of four main structures hosted in an intermediate volcanic unit. The first and most dominate structure is a shear zone with a 220-250°/70˚ orientation. This structure runs consistently through the western portion of the exposure and is roughly 1.5 m wide. Mineralization in this shear zone is noted as high as 20%. Ankerite alteration is intense in most of the shear causing intense surficial rusting. The other three structures are quartz veins sets running obliquely with the shear zone. Width of these veins is consistent through all generations from 3-12 cm. The first set has an orientation of 340°/70˚. This vein set is likely related, if not the same as, the second vein set with an orientation of 300°/70˚. Both vein sets have a similar assemblage: quartz-pyrite-chlorite±tourmaline. The last structure is a set of smaller, south dipping, quartz veins with an orientation of 110-150°/65˚. Mineralization in these veins increases when they contact the shear zone.

Two 0.3 m deep trenches were found 10 m east of the North Star Exposure. The north-south trench partially exposes a Felsic Intrusion and a smaller sheer zone to the south. The east-west trench does not seem to exploit anything specific.

9.1.5.2 Redeemer East

Mapping in the Redeemer East was completed Over a 10-day period, 16 outcrops were mapped with a total of 59 grab samples collected. Work in the Redeemer East area was focused around four main targets: Red Jay, Hays Trenches, Red East and the Twin Trenches. The goal of work in this area was to find an eastern extension of the Redeemer Trend delineated during the 2020 summer and 2021 winter drilling programs.

A 35 m east-west trench was found 850 m east of the historic Larsson Shaft (Twin Trenches). This trench has what appears to be a shorter and wider trench paralleling it 2 meters north, though is concluded to be a natural topographic feature. The southern trench targets a 3-30 cm wide quartz-ankerite-chlorite-carbonate-pyrite that pinches and swells along its strike (272°/78˚). The vein possesses strong deformation occurring along both margins and runs a long the contact of a mafic volcanic and quartz-feldspar porphyry unit. The vein displayed 3% pyrite with evidence of additional sulphides that have weathered out. This trench is on strike with a series two small blast pits (2x2x1 m) to the east which eventually lead to a large pit (4 x 4 x 4m) 65 m east of the trench. These blast pits target semi-irregular quartz-pyrite veins occurring within a quartz-feldspar porphyry unit.

Red East Pit is a 3x3x4 m blast pit discovered on the edge of a clear cut 1.5 km east of the Redeemer Shaft. The pit is sunk into a 30 cm quartz-ankerite-chlorite vein. The host rock is a weakly silica altered mafic volcanic. Three meters to the north of the pit is a 1 m wide veined zone made up of three 0.5-5 cm quartz-carbonate-chlorite veins. No sulphides are observed in either structure. Mapping was completed in the area immediately proximal of the pit in an attempt to find an extension of the exposed structure, but no extension was found.

Red Jay Exposure is 7-meter-long hand exposure created roughly 640m east of the Redeemer shaft. The exposure displays a quartz-chlorite-carbonate/ankerite-pyrite vein that varies in thickness from 10 to 100 cm. The vein is hosted in a moderate to strong silicilously altered intermediate volcanic unit that displays low percentages of pyrite (0.5-1% blebby). 0.5-1% blebby pyrite is noted along vein margins. The orientation of this vein varies slightly (278°/70˚, 290°/70˚), this is due in part to the exposure being made up of some partially sloughed material (sub-crop). In total, thirteen samples were collected from the exposure. These samples were collected from the main east-west vein, associated structures and rubble that was pulled off during hand excavation. The position of this exposure, associated structures, as well as the highly silicious volcanic host rock host rock, are evidence that the Red

Jay is possibly an extension of the Redeemer Trend. Though, the minerology of the vein, specifically the pyrite content, appear lower than the previous two exposures created during the 2020 program.

The Hays Trenches are 280 m east of the Red Jay exposure. This area is made up of three trenches. Two shallow 1x1 m trenches dug into the overburden and a larger 4 x 1 m wide, 3 m deep blasted trench. These trenches target a pair of veins of similar orientation (285-295°/80˚). The first vein, occurring on the north side of the main trench, has a quartz-carbonate-chlorite-sericite±pyrite assemblage and varying width (3-10 cm). The second, an 8-10 cm wide quartz-carbonate-chlorite vein occurring on the south side of the trench. Only the northern vein was seen in the closest dug trench (10 m east of the blasted trench). Both veins are hosted in an unaltered mafic volcanic unit that displays 2-3% pyrite along foliation.

9.1.5.3 Wilson Target Area

Two days were spent doing recon on north-south trending logging roads that branch off Highway 502 to the south of the Van Horne property. Lithologies in the area are consistent with other areas of the property, cycling volcanic-volcaniclastics with occasional felsic intrusions (quartz-feldspar porphyry). Multiple notable structures were observed and samples including quartz veins varying in width (2-10cm) hosted in the felsic intrusions often displaying moderate to strong surficial ankerite alteration with 2-5% pyrite occurring along vein margins and in proximal host rock. Two shear structures were sampled in the area. 18 samples were collected in the area, some of which were collected with a rock saw.

9.1.5.4 Wilkenson Occurrence

Two days were spent mapping around the historic Wilkenson Occurrence. This occurrence, located ~ 150 metres south of Bob Lake, was examined and sampled, and four historical pits were located. Two pits showing minor calcite-tourmaline veins, bull quartz veins, and narrow sulphide stringers of likely synvolcanic origin were found to be hosted in mafic flows; pillowed flows were observed about 5 metres to the west of the closest pit. The two southern pits were found to be hosted in a single continuous 4-5 metres wide quartz-porphyry dyke oriented ~ 285°. The quartz-porphyry dyke contains 2% of quartz veining, up to 7% locally, varying in width from a few cm to 25 cm. Veins vary in styles and orientation, but can be grouped in two broad categories: 1) NW-oriented (~310°) extension veins planar or sigmoidal indicating a dextral rotation; 2) WNW-oriented (~290°) moderately dipping (30-40°) shear veins. Veins contain traces to 1% disseminated pyrite. The margins of the veins show moderate to strong silicification overprinting a more widespread earlier sericitization, and proximal to the vein may contain several % of cubic pyrite. A total of 16 samples were collected from the area.

9.1.5.5 Highway 502 Area

Two roadcuts were mapped and sampled along Highway 502. The first roadcut is located 500 m south of Pritchard Lake and is roughly 120 m long. The cut displays a repeating volcanic sequence with multiple generations of quartz veining. Samples were collected from various veins as well as pyrite rich host rock.

The second roadcut is located 50 m south of the turn off to Ojibway Drive. This roadcut is predominately intermediate volcanic but displays a 5m wide-quartz-feldspar porphyry intrusion on both sides of the road (302/78˚). The most notable structure displayed in this roadcut is a 1 m wide quartz-carbonate±pyrite±tourmaline vein set. This vein set is made up of multiple 1-20 cm quartz veins that pinch and swell along it’s dip. Near the top of the exposure, the veins narrow and begin to cross-cut each other- producing a brecciated texture. Strong silica-sericite alteration is seen along the margins of this vein set. Pyrite content varies along the plane; trace to 4%. The highest pyrite abundance is seen in the altered-deformed host rock surrounding the veins.

One crew of two geologists spent one day prospecting north-west of Flambeau Lake east of Highway 502. Quartz-rich blast rock was found. Minor hand stripping was performed in the areas proximal to the blast rock piles. Two veins were exposed both pinch and swell along the strike. The first has an orientation of 315/62˚ and a quartz-ankerite-chlorite-pyrite assemblage. The second has an orientation of 285°/65˚ and a quartz-chlorite-

carbonate±pyrite assemblage. Centimeter scale extensional veins occur off the second vein. The extensional veins display increased pyrite content and a 316°/62˚ orientation. Blast rock samples show quartz-carbonate-ankerite-chlorite-pyrite assemblage and pyrite content ranging from 3-8% blebby pyrite. A total of 11 samples were collected.

9.1.5.6 Turtle Pit

Two geologists spent one day mapping and sampling north of Ojibway Drive. A 3 by 3 m wide and 4 m deep blast pit was found 400 m north of Ojibway drive on the west side of Highway 502. The Turtle Pit is located 400 m north of Ojibway Drive on the west side of Highway 502. The pit (Turtle Pit) occurs along a small 10 m wide-120 m long ridge in an otherwise low-lying area. The ridge is made up of intermediate volcanic and volcaniclastic units.

The pit exposes an 20-60 cm wide sheared quartz vein that pinches and swells along strike from 10-30 cm and has a quartz-ankeriate-pyrite-chlorite±tourmaline assemblage with strong to intense ankerite alteration in the sheared margins. Orientation of this structure is 270°/78˚. Minor hand stripping was performed, a sketch was created, and 9 samples were collected. Sketch can be viewed in Appendix G.

9.1.5.7 Lone Pine East

Two geologists spent one day assessing access, reconning and prospecting a ridge far north-west corner of the property south of Bennett Lake. Crews focused on depressions in the LIDAR data that could be old blast pits/workings. Moderate deformation is seen in the volcanic units throughout the ridge, but none display a shear texture or notable alteration. Six samples were collected from quartz veins and of moderately deformed wall rock.

9.1.5.8 Primu Adit

A geologist and a field assistant spent one day prospecting in the south-east corner of the property 2 km west of Wabigoon Lake. While walking along a ridge a large adit or horizontal blast pit was found. This 5x3m wide horizontal pit extends 4 or 5 m into the side of the ridge. Leading into the adit is a 5m long trench which has a large pile of blast rock at the eastern end. No dominant structure was observed but the rock is oxidized throughout. A centimeter scale vein within the adit hosts 3% disseminated pyrite along the vein margin and strong ankerite alteration. Samples of the blast rock and wall rock were collected, 6 in total.

One day was spent locating, clearing, and sampling two pits 360 m north of the Vanlas 2 shaft. These pits make up what is believed to be the Machin occurrence recorded in the Ontario government's Mineral Deposit Inventory (MDI). This area displays 2 shallow 1x2 m trenches occurring on the east and west sides of and a main 2x3 m wide, 1.5 m deep pit. The main pit exposes an 80-100 cm wide quartz-chlorite-carbonate±tourmaline±pyrite. The upper and lower contacts of the vein are sheared and ankerite altered. The orientation of this vein varies from 283-292°/77-83˚. This vein is observed in the western pit but due to excessive blowdown and overburden, exposure is limited. Samples were collected from sheared margins, vein material and proximal blast rock.

9.2 Rock Sampling Results

566 grab samples were collected as part of the outcrop mapping phase of the program. Significant gold values were returned with grades up to 287 g/t. These samples were collected from historical occurrences and from new prospects. Grab samples taken from quartz veins displaying strong ankerite alteration, tourmaline, pyrite, occasional arsenopyrite and deformation along margins produced the highest grades. Although no direct correlation has been made, samples displaying upwards of 3% sulphide mineralization often returned anomalous gold values.

Table 2: Significant Grab Sample Results

Focus Area	Sample ID	UTM Easting	UTM Northing	Date	Type	Au (ppm)	Certificate
Star Exposure	B733207	503396	5507420	8/22/2021	Outcrop	287	TB21244102
Star Exposure	B733091	503397	5507418	7/14/2021	Outcrop	139	TB21187621

North Star Exposure	B733107	503336	5507504	7/16/2021	Outcrop	46.7	TB21187621
Star Area	B733209	503397	5507406	8/22/2021	Outcrop	41.5	TB21244102
Star Area	B733208	503402	5507412	8/22/2021	Outcrop	38.3	TB21244102
Lone Jack	B732770	505643	5507577	5/16/2021	Outcrop	36.3	TB21125163
Lone Jack	B732777	505577	5507394	5/17/2021	Outcrop	20	TB21125163
Ideal	B733338	506623	5508384	8/25/2021	Outcrop	15.25	TB21244102
Larson Arm	B733115	510993	5508130	7/26/2021	Outcrop	14.6	TB21195248
North Star Exposure	B733106	503329	5507493	7/16/2021	Outcrop	12.7	TB21187621
Lone Jack	B732792	504811	5507642	5/19/2021	Outcrop	10.2	TB21130522
Star Exposure	B733092	503397	5507412	7/14/2021	Outcrop	9.54	TB21187621
Highway 502	B733174	504010	5507552	8/17/2021	Float	9.35	TB21221952
Lone Jack	B732771	505640	5507577	5/17/2021	Outcrop	7.78	TB21125163
Star Exposure	B733093	503397	5507420	7/14/2021	Outcrop	7.68	TB21187621
Star Exposure	B733090	503392	5507418	7/14/2021	Outcrop	7.49	TB21187621
Lone Jack	B733051	505558	5507790	6/23/2021	Outcrop	5.89	TB21164878
Highway 502	B733172	504011	5507547	8/17/2021	Float	5.4	TB21221952
Larson Arm	B733114	510994	5508134	7/26/2021	Outcrop	5.03	TB21195248
North Star Exposure	B733105	503338	5507503	7/16/2021	Outcrop	4.9	TB21187621
AL-88	B733403	504665	5507530	7/17/2021	Outcrop	4.79	TB21187621
Highway 502	B733175	504004	5507556	8/17/2021	Float	3.87	TB21221952
Golden Moose South	B732965	508195	5507167	5/23/2021	Outcrop	3.68	TB21130522
Lone Jack	B732733	505067	5506997	5/12/2021	Outcrop	3.67	TB21125163
Golden Moose South	B732963	508198	5507131	5/23/2021	Outcrop	3.47	TB21130522

9.3 Diamond Drilling

A total of 3,943.5m of diamond drilling was done across two phases of the 2021 exploration program. 2,381 (including QAQC) drill core samples were collected during the 2021 drill program. These samples were collected in areas of mineralization, increased alteration or around structural features of interest. The best results were often obtained in deformation zones hosting quartz veins with increased alteration.

9.3.1 Redeemer Drilling

Seven holes, totalling 1,040 m were drilled in the Redeemer target area as part of the winter drilling phase of the 2021 exploration program (Figure 15). These holes were designed to follow-up on the successes of the 2020 drilling in the Redeemer target area by in-filling between the 2020 drill holes which targeted the Redeemer Trend. Additionally, step-back holes were planned to target notable intercepts at deeper vertical depths. All holes were drilled with a 180˚ azimuth and a dip of -48˚. This azimuth is predominantly perpendicular to all lithologies and major structures in the area.

Geological drill logs can be found in Appendix H and drill hole cross sections can be found in Appendix I.

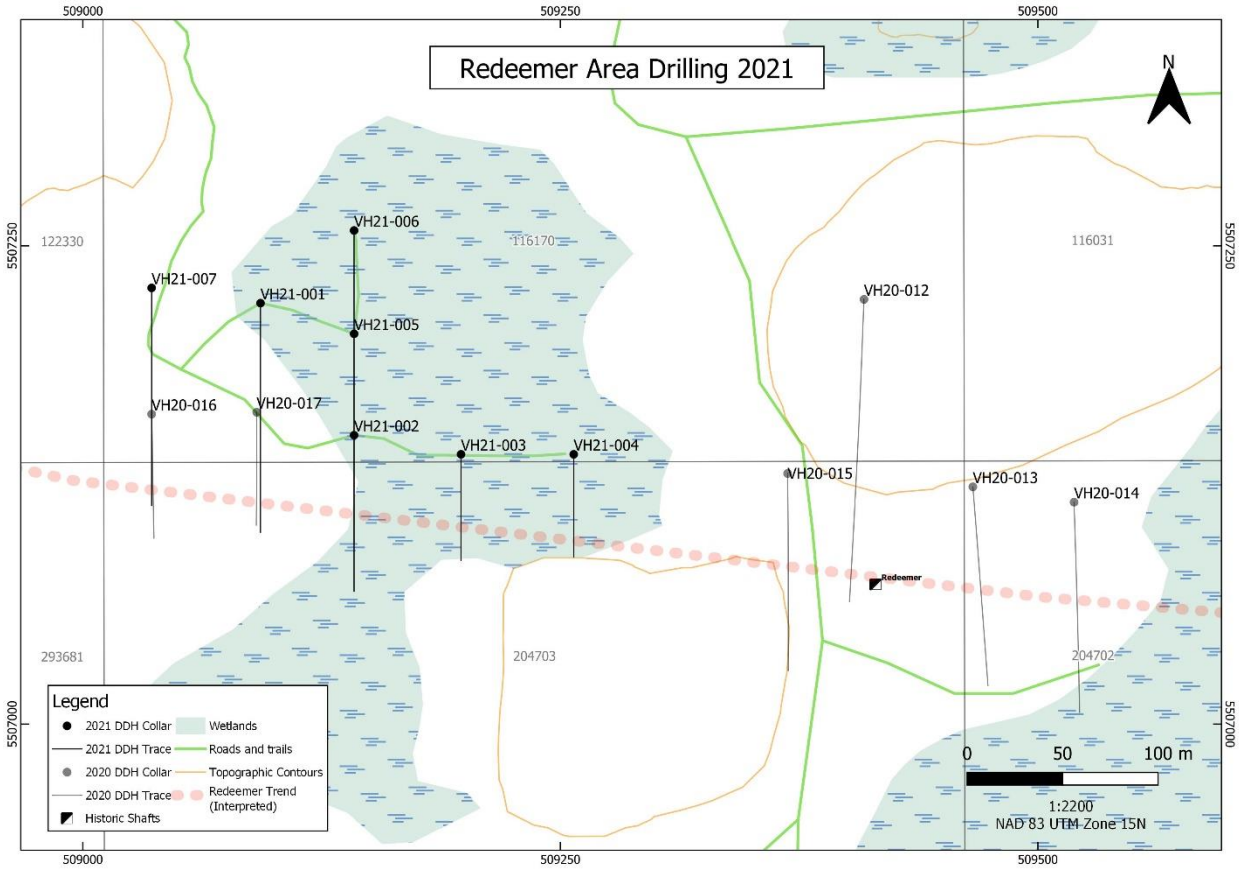

Figure 15: Redeemer Area Drilling Map including Hole Outlines

VH21-001

VH21-001 was designed to have a 100 m vertical intercept of the Redeemer Trend and as a northern step-back of VH20-017 which intercepted the Redeemer Trend at 50m. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic volcanic and intermediate volcaniclastic units. A quartz porphyry intrusion is noted from 113.81 to 126.25 m and is believed to be the same intrusion seen in VH20-016. The Redeemer Trend is intercepted in this hole from 146.58 to 153.47 m and is characterised as a strongly silica and sericite altered intermediate volcanic displaying quartz vein sets throughout. This is consistent with the characteristics of the Redeemer Trend noted in the 2020 program. The most notable structure in this hole is a quartz-sericite-tourmaline-carbonate-pyrite vein set from 149.18 to 149.74 m. This vein set is made up of two 14 and 10 cm veins with similar orientations. Blebby and fracture-fill pyrite, 8%, is logged within the interval.

VH21-002

VH21-002 is a 50 m eastern set off from VH21-001 with a vertical intercept of the Redeemer Trend of 50 m. This hole was designed to in-fill the space between the eastern and western 2020 Redeemer area drilling locations. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic-intermediate volcanic and intermediate volcaniclastic units. The Redeemer Trend is intercepted from 62.94 to 64.3 m. This intercept displays a 95 cm quartz-carbonate-chlorite-muscovite-sericite-pyrite-pyrrhotite vein with 4% pyrite and 2% pyrrhotite. This instance of the Redeemer Trend differs from any others observed up until this point because it is not a strongly silica-sericite altered volcanic

unit with hosting quartz vein sets which is seen through the 2020 and 2021 programs. Instead, the intercept in this hole is a larger quartz vein with weak to moderate altered host rock.

VH21-003

VH21-003 is a 50 m eastern set off from VH21-002 with a vertical intercept of the Redeemer Trend of 50 m. This hole was designed to in-fill the space between the eastern and western 2020 Redeemer area drilling locations. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic to intermediate volcanic and intermediate volcaniclastic units. The Redeemer Trend is seen in this hole from 67.82 to 69.09 m and is characterised as a strongly altered intermediate volcanic unit hosting five 3 to 20 cm, quartz-carbonate-chlorite-tourmaline-pyrite veins with similar orientations. Pyrite content in the interval is as high as 8% pyrite occurring as blebs along vein margins.

VH21-004

VH21-004 is a 50 m eastern step off from VH20-003 with a vertical intercept of the Redeemer Trend of 50 m. This hole was designed to in-fill the space between the eastern and western 2020 Redeemer area drilling locations. Alteration and grain sized varied slightly throughout the hole through one dominate lithology, an intermediate volcanic. The Redeemer Trend is intercepted from 65.65 to 72.07 m. This intercept displays a strongly altered intermediate volcanic unit with 3% disseminated pyrite, increasing in areas of strongest silica-sericite alteration and along vein margins. Five major veins occur in this interval with widths from 3 to 18 cm. Assemblages of these veins are noted as quartz-carbonate-chlorite±pyrite±tourmaline.

VH21-005

VH21-005 is a 50 m northern step off from VH21-002 with a vertical intercept of the Redeemer Trend of 100 m. This hole was planned to test 50 m below the 95 cm vein logged in VH21-002. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic to intermediate volcanic and intermediate volcaniclastic units. A fine-grained intrusion is noted from 68.28 to 70.04 m. The Redeemer Trend is logged in this hole from 136.1 to 143.45 m and is made up of two distinct units. The first, occurring from 136.1 to 138.46 m, is the typical expression of the Redeemer Trend; a strongly altered intermediate volcanic with pervasive silica-sericite alteration and disseminated pyrite mineralization. The second is a veined zone from 138.46 to 143.45 m. This veined zone hosts multiple generations of veining. Three different vein generations or zones were described. The top, from 138.46 to 140.21 m. This generation consisting of 85% quartz-carbonate-tourmaline-muscovite-pyrite-sericite-chlorite vein material and 15% intensely silica altered wall rock. Disseminated pyrite within this top generation ranges from 8-10%. The middle generation occurs from 140.21 to 141.79 m and hosts 70% quartz-chlorite-pyrite-carbonate veins and 30% strongly silica altered wall rock. Pyrite is seen within the wall rock and vein material at an abundance of 6%. The lowest generation, from 141.79 to 143.45, consists of 50% vein material and 50% wall rock. The veins in this generation have a quartz-carbonate-sericite-chlorite-pyrite assemblage and range in widths from 1 to 20 cm. Wall rock displays strong to intense silica-sericite alteration in this generation.

VH21-006

VH21-006 is a 50 m north step-back of VH21-005 with a vertical intercept of the Redeemer Trend of 150 m. This hole was planned to test 50 m below the ~5 m veined zone observed in VH21-005 and 100m below the 95 cm vein logged in VH21-002. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic to intermediate volcanic and intermediate volcaniclastic units. A fine-grained intrusion is noted from 144.89 to 146.58 m and is believed to be the same intrusion seen in VH21-005. From 202.57 to 213.47 m a quartz-feldspar porphyry is denoted. This quartz-

feldspar porphyry is likely to be related to the intrusion seen in VH21-001 and VH21-007. The Redeemer Trend appears on the lower contact of the quartz-feldspar porphyry. The Redeemer Trend within this drill hole is significantly smaller and less altered and deformed than the representations of the trends observed within previous drill holes. A 10 cm quartz-carbonate-tourmaline-chlorite-pyrite vein is seen from 214.59-214.69 m and is likely the pinched-out representation of the vein seen in VH21-002 and VH21-005.

VH21-007

VH21-007 was designed to have a 100 m vertical intercept of the Redeemer Trend and as a northern step-back of VH20-016 which intercepted the Redeemer Trend at 50m. Lithologies intersected in this hole reflect the volcanic sequence identified during the 2020 mapping and drilling programs, a sequence of foliated-weakly deformed mafic volcanic and intermediate volcaniclastic units. A quartz-feldspar porphyry is observed from 56.58 to 67.01 m, believed to be the same intrusion seen in VH21-001 and VH21-006. The intermediate intrusion seen in VH21-005 and VH21-006 is seen in this hole from 67.01 to 68.45 m. The Redeemer Trend is logged in this hole as a strongly deformed quartz-carbonate-chlorite-muscovite-sericite-pyrite vein set from 136.45-137.73 m. This interval is comprised of 80% vein material and 20% altered wall rock. Both the vein margins (2%) and wall rock (1%) host pyrite mineralized.

9.3.2 Lone Jack Drilling

Eleven holes, totalling 2903.5 m were drilled in the Lone Jack area as apart of the summer drilling phase of the 2021 exploration program (Figure 16). The holes focused on the three broad trends (Northern Lone Jack Trend, Main Lone Jack Trend, Bob Lake Trend) and one dominate structure (AL-88 Vein) delineated during the 2021 mapping program. These holes were planned to follow-up on both 1987 drilling in the area and anomalous surficial values collected during the 2019, 2020 and 2021 mapping programs.

Geological drill logs can be found in Appendix H and drill hole cross sections can be found in Appendix I.

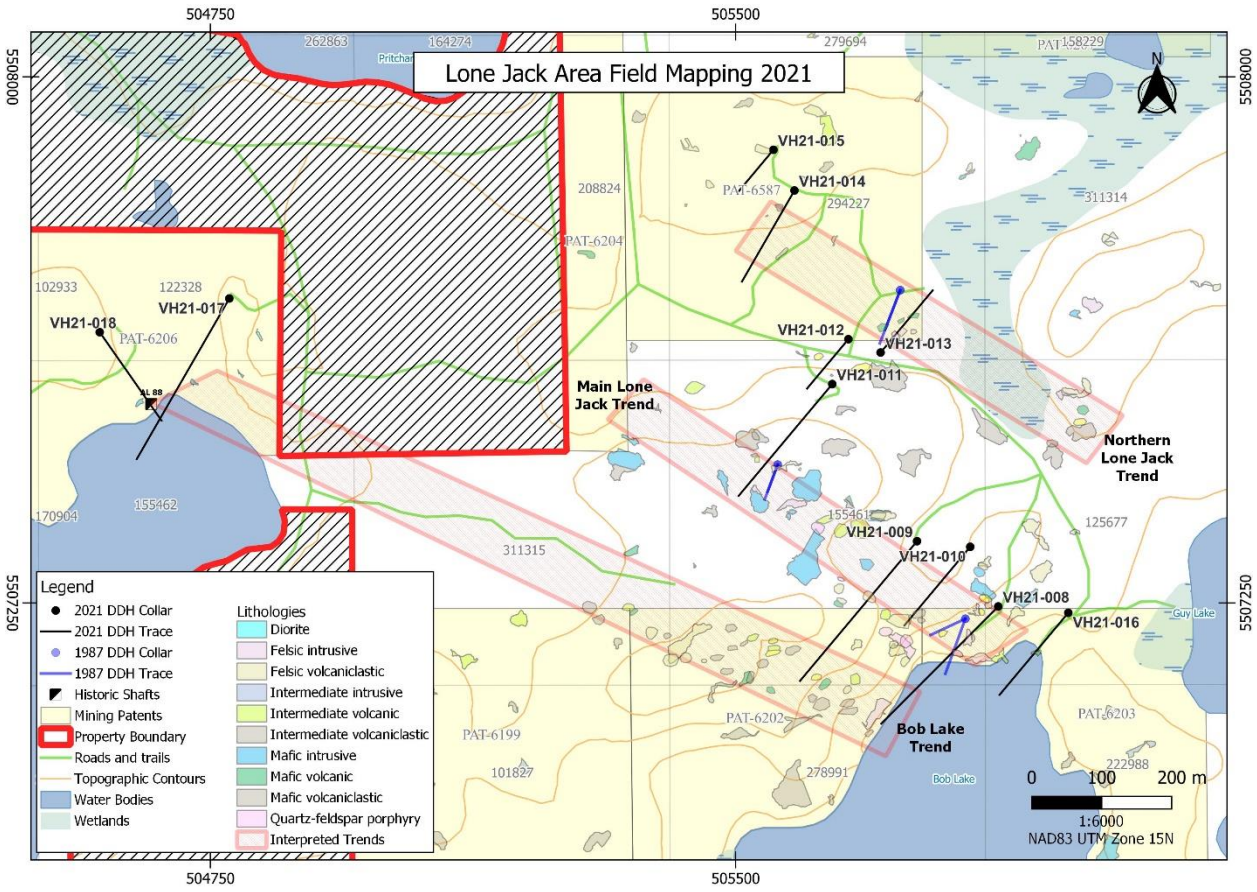

Figure 16: Lone Jack Area Drilling Map including Hole Outlines

VH21-008

VH21-008 was designed to target two targets – the Main Lone Jack Trend and the Bob Lake Trend. The Main Lone Jack Trend and Bob Lake Trend were targeted at 75 and 310 meters downhole respectively. This hole was drilled at 225°/-48°.

This hole displays lithologies consistent with the Lone Jack target area, primarily consisting of a sequence of intermediate volcanics and volcaniclastic units. Few mafic and quartz-feldspar porphyry (QFP) intrusive units are present. Within this hole alteration, mineralization, and deformation are localized to areas within proximity to the QFP units present with sparse intervals displaying mineralization throughout the hole. Two QFP units intersect this sequence of volcanics with a notable increase of quartz veining, alteration and mineralization occurring within the host rock surrounding the QFP. The Main Lone Jack target is possibly seen at 130.51 – 162.15 m. This interval shows a series of mineralized quartz+carbonate+tourmaline+chlorite+pyrite±pyrrhotite±sphalerite veins. While the two QFP units are similar in texture, colour, and grain size, they differ with alteration, deformation, and mineralization. The QFP at 162.15 – 173.62 m shows a brecciated texture within the veins along with increased potassic and chlorite alteration within the surrounding host rock. The lower QFP shows less alteration, deformation, and veining within the surrounding host rock along with less mineralization within the QFP. This lower QFP is believed to be the subsurface expression of the Bob Lake Trend

VH21-009

VH21-009 was designed as a 150-meter north-west step from VH21-008 while targeting the Main Lone Jack and Bob Lake trend. Like VH21-008, VH21-009 targeted the Main Lone Jack Trend at 75 m downhole and targeted the Bob Lake Trend 310 meters downhole. This hole was drilled with a 220°/-52˚ orientation.

The lithologies displayed within this hole share characteristics with VH21-008 and lithologies found during the field mapping phase. The main sequence within the hole is a repeating intermediate volcanic / volcaniclastic unit intruded by two mafic dykes, two quartz-feldspar porphyry (QFP) units and a gabbro unit. The gabbro unit seen from 65.34 – 150 m is most likely the same gabbro seen during the field season. Of note within the QFP is a 12 cm quartz-pyrite-tourmaline vein (163.10-163.24 m) with 18% pyrite. This first QFP is most likely the Main Lone Jack Trend. A second QFP is seen downhole (375.35 – 379.93 m) which is most likely the Bob Lake Trend. Another notable feature of this hole is the deformation zone (227.92 – 228.2 m). Within the deformation zone, a large amount of quartz-carbonate stringer veining is shown along with a quartz-carbonate-pyrite-tourmaline vein along the lower contact which may be an indication of a healed fault.

VH21-010

VH21-010 had an orientation of 220°/-52˚ and was designed to be a medial step between VH21-008 & VH21-009. VH21-010 was expected to intercept the Main Lone Jack outcrop at ~200 meters downhole.

Lithologies within the hole are like those of hole VH21-008 & VH21-009, a sequence of intermediate volcanics / volcaniclastics intruded by a quartz-feldspar porphyry (QFP) unit, several mafic dykes, and a large gabbro unit. The gabbro unit is interpreted to be the same gabbro unit seen in the field mapping season. The QFP unit is similar to previous holes, showing a porphyritic texture with small stringer quartz-carbonate-tourmaline±pyrite±sphalerite veins also present. A notable feature within this hole is the 80 cm brecciated quart-carbonate-sericite-epidote-tourmaline-pyrite-sphalerite-chlorite vein (149 – 149.82 m). Also of note was the strongly siliceous intermediate volcanic unit from 128 – 164 m showing a large amount of veining.

VH21-011

VH21-011 was designed to target the 21-80 exposure at depth which is assumed to be part of the Main Lone Jack trend. This The hole expected to intercept the Main Lone Jack Trend at ~200 m. This hole was drilled at 220°/-52˚ azimuth and dip.

VH21-011 displays a sequence of intermediate volcanic and volcaniclastic units which was intercepted by four quartz-feldspar porphyry (QFP) units, with the hole ending in the gabbro. The intermediate volcanics / volcaniclastic units are similar to ones seen within previous holes. The repeating QFP unit seen shows a similar porphyritic texture as previously seen along with a light grey – light pink colour of note is the absence of potassic alteration in the lower three QFPs within this hole. The QFPs show 1-2% disseminated pyrite + 1% blebby pyrite throughout. Of note are the two deformation zones (162.57 – 166.4 & 282.3 – 282.84 m). These deformation zones both host strong carbonate+silica alteration and a slight increase in mineralization along contacts between the deformation zones and host rock.

VH21-012

VH21-012 is a northeastern step-back of VH21-011, which was designed to test the subsurface (75m downhole) of two anomalous gold grab samples collected during the field mapping phase. This hole was drilled at 220°/-52 azimuth and dip.

This hole contained the similar Intermediate volcanic / volcaniclastic sequence seen throughout Lone Jack area with two quartz-feldspar porphyry QFP intrusions (23 – 33.2 & 58.64 – 62.87 m). The first QFP is like QFPs seen throughout the Lone Jack area, the second QFP displayed a granitic texture. The second QFP was biotite rich, coarse grained and had a pale cream colour. The feldspar / biotite in this QFP are more pronounced, but moderate pervasive potassic alteration are present. A silica-sericite alteration zone is seen from 83.81 – 135.07 m with similar oriented centimeter quartz-carbonate-pyrite±tourmaline veins present is possibly the subsurface projection of the structures that yielded the anomalous grab sample values. Mineralization before this zone increased to 4-5% disseminated pyrite + 2% blebby pyrite + 1-2% disseminated sphalerite (62.87 – 83.83 m). While mineralization wanes within the zone, silica+sericite+carbonate alteration increases to strong.

VH21-013

This hole is designed to target the Northern Lone Jack Trend at ~170 m downhole. This hole was drill with a 040°/-52˚ azimuth and dip.

Lithologies within this hole are like the lithologies seen within this drilling season, primarily a repeating sequence of intermediate volcanic / volcaniclastic units intruded by two quartz-feldspar porphyry QFP units. A large rubble zone was notable at the beginning of the hole (12.57 – 48.38 m) with areas of moderate to intense deformation and rubble. The lower contact between the intermediate volcaniclastic and QFP unit at 68.45 m and QFP from 68.45 – 71.76 shows moderate alteration but heavy mineralization – 4-5% disseminated pyrite + 1-2% fracture-fill pyrite. This QFP was like previous QFPs seen in the summer drilling program, light cream colour with moderate potassic alteration. The second QFP is the same as the first with a notably large quartz-carbonate-pyrite-tourmaline vein (78.74 – 79.18 m) which has 10-15% blebby pyrite + 5% fracture-fill pyrite along the vein margins. Also of note is the intermediate unit between the QFP units (71.76 – 76.95) showing moderate to strong silica+carbonate+sericite alteration along with 5-10% disseminated pyrite + 3-5% blebby pyrite + 1-2% fracture-fill pyrite.

VH21-014

VH21-014 was designed to intercept the Northern Lone Jack Trend at 80 m downhole. This hole was drilled at 210°/-48˚ azimuth and dip.

The lithologies seen within this hole are consistent with lithologies seen in the previous few holes, a repeating sequence predominantly intermediate volcanics / volcaniclastics with four quartz-feldspar porphyry (QFP) units intruding the sequence. Of note within the first volcanic unit are two centimeter scale quartz+sericite+carbonate+chlorite along with 5% blebby pyrite + 2% disseminated pyrite + trace blebby visible gold. These two veins (3.82 – 3.86 & 5.7 – 5.72 m) were found immediately before the first QFP unit at 6.04 m. Another notable structure was the alteration / deformation zone between the two QFPs (182.68 – 196.75 m). This zone shows an intermediate volcaniclastic unit with a strong foliation along the sub-rounded clasts, along with varying alteration and mineralization. Alteration consists of intense pervasive sericite+silica, moderate pervasive potassic + moderate fracture-fill chlorite. Mineralization from 187.5 – 196.75 m increases to 5-10% disseminated pyrite + 1-5% fracture-fill pyrite + 1% blebby chalcopyrite. This volcaniclastic unit is present again intermixing with the final QFP (198.3 – 210.91 m) comprised of roughly 40% QFP.

VH21-015

This hole is a step north-west of hole VH21-014 to target the structures showing visible gold at the beginning of hole VH21-014 and the Northern Lone Jack Trend. The hole expected to hit the gold bearing veins at ~ 30 m downhole and the Northern Lone Jack Trend at ~ 75 m downhole. This hole was drilled 220°/-48˚ azimuth and dip.

This hole had similar lithologies as the previous hole VH21-014 without the mineralization until the two lower QFPs (89.2 – 93.79 & 99.27 – 103.34 m). The two centimeter scale veins were not present within this hole before the QFP found at 23.16 m as they were in VH21-014. Although the lower contact between the first QFP and intermediate volcaniclastic unit (33.56 - 33.70 m) was intensely altered and well mineralized. The altered contact showed intense pervasive sericite + strong pervasive silica + moderate pervasive carbonate with 2-3 % disseminated pyrite. The QFP between 89.2 – 93.79 m is like previous QFPs logged, with a light cream colour and potassic+chlorite+carbonate alteration along with 1-2% disseminated pyrite. The lowest QFP shows a granitic texture, with coarse quartz-feldspar grains with a dull cream – gray colour. This QFP shows 1-2% disseminated pyrite along with weak pervasive potassic + weak patchy carbonate + weak fracture-fill chlorite alteration.

VH21-016

This hole is a step to the east of hole VH21-008, targeting the Main Lone Jack Trend at ~100 m downhole. This hole was drilled at 220°/-52˚ azimuth and dip.

The lithologies within this hole are consistent with VH21-009, a repeating intermediate volcaniclastic / volcanic units intruded by the gabbro seen in the 2021 field mapping season along with multiple centimeter to meter scale mafic dykes. Within previous holes VH21-008 – VH21-010 a quartz-feldspar porphyry (QFP) is present along with increased mineralization and alteration – indicating the Main Lone Jack Trend along with increased veining; however, the QFP was not present within this hole. Of note within this hole would be the area between 62 – 77.41 m. This interval has an increased amount of veining and mineralization. Alteration also increases from moderate to strong pervasive silica + moderate pervasive sericite + moderate fracture-fill carbonate from 68.61 – 72 m. The mafic dykes intruding the sequence contain coarse grained pyrite with almost no alteration.

VH21-017

This hole was designed to target several exposures within the north-western portion of the Lone Jack area. VH21-017 targets the Slice Crop exposure at ~120 m and the AL-88 Vein at ~ 230m downhole. This hole was drilled at 210°/-48˚ azimuth and dip.

Lithologies within hole VH21-017 consists of a sequence of intermediate volcanic units intruded by mafic dykes, a gabbro unit, a diorite and two quartz-feldspar porphyry (QFP) units. The mafic dykes and gabbro are consistent with others mapped and logged in the Lone Jack area. Several areas of note within this hole are present, with small areas of brecciation occurring along with strong silica+potassic+chlorite alteration (168.52-170.34m, 173.70-174.32m, 174.58-175.10). 192.25 - 202.91 m shows a large deformation zone with a strongly glassy / deformed texture along with intense silica alteration. This deformation shows a high amount of veining, alteration, and mineralization however, the most notable is at 200.6 – 202.54 m; this 195 cm quartz-carbonate-tourmaline-pyrite-hematite vein is 75% vein, 25% intensely altered host rock with pyrite wisps occurring along with sericite+tourmaline wisps in the vein along with 7-8% disseminated pyrite found throughout. A diorite was present (202.91 – 248 m) with strong silica alteration present throughout the rock, along with a strong deformation texture. Veining is abundant throughout the unit, with 1-6 cm veins showing no general orientation and commonly cross-cutting each other. 4-8% disseminated pyrite is present throughout this unit with pyrite mineralization increasing near veins becoming fracture-fill / wispy near larger clusters of veins. Another small deformation zone occurs from 237.82 – 238.92 m shows strong silica + potassic alteration, along with 30% vein material; these veins cross-cut each other creating a breccia texture. Mineralization throughout the deformation zone is 8% disseminated pyrite, with 6% blebby pyrite appearing in clusters on veins. Two veins of note appear in the proceeding volcanic unit; 303.39 – 303.55 m, showing a 15 cm quartz-carbonate-albite-tourmaline-pyrite vein and 305.73 – 304.57 m showing a 70 cm quartz-carbonate-sericite-pyrite-tourmaline vein. The lowest QFP (332.65 – 345.66 m) shows a high amount of veining

between 1-40 of quartz-carbonate-pyrite veins, most notable at 339.94 – 339.76 m showing a 40 cm quartz-carbonate-sericite-pyrite vein.

VH21-018

VH21-018 was designed to target the AL-88 Vein from the north-western portion of the Lone Jack area. The hole expected to hit the AL-88 Vein at ~ 150 m. This hole was drilled at 145°/-48˚ azimuth and dip.

Lithologies within this hole differ slightly from other holes in the Lone Jack area. A diorite is logged within this hole, believed to be the same diorite as seen in VH21-017. A gabbro is also present at the end of the hole, most likely the same gabbro seen during the mapping phase and in earlier drilling. While the intermediate volcanic from 1.5 – 137.7 m shows a notable amount of veining, alteration, and mineralization a few notable areas are present. From 97.6 – 98.7 m a strong silica+sericite deformation zone is present with 5% pyrite in the form of euhedral blebs and fine-grained wisps, this area has 30% vein material and 70% strongly altered wall rock. Similar zones are seen at 117.49 – 177.68 & 119.47 – 119.71 m. A deformation zone from 136.03 – 136.93 m shows a 40 cm quartz+tourmaline+pyrite+sericite+carbonate vein with 6% pyrite wisps along with 47 cm of intensely sheared / deformed host rock. A diorite present from 137.7 – 186.78 m shows strong to intense silica alteration throughout the unit, along with large intervals of strong deformation. This diorite also shows veining like the previous diorite in hole VH21-017, with cross-cutting veins throughout with no general orientation and showing a similar quartz-carbonate-tourmaline-pyrite assemblage. Veins within this unit show 4-8% disseminated pyrite along with patches of a weak breccia texture and potassic alteration. Of note within the unit (160.23 – 160.98 m) is a 73 cm quartz-tourmaline-carbonate-pyrite vein.

Table 3: Winter Drill Holes Final Collar Location, Orientations and Depth

Winter Drill Holes								
Hole-ID	**Target**	**Claim Cell ID**	**UTM Easting**	**UTM Northing**	**Elevation (m)**	**Length (m)**	**Azimuth˚**	**Dip˚**
VH21-001	Redeemer	116170, 204703	509093	5507220	383	179	180	-48
VH21-002	Redeemer	116170, 204703	509142	5507151	383	122	180	-48
VH21-003	Redeemer	116170, 204703	509198	5507141	383	83	180	-48
VH21-004	Redeemer	116170, 204703	509257	5507141	383	80	180	-48
VH21-005	Redeemer	116170, 204703	509142	5507204	383	164	180	-48
VH21-006	Redeemer	116170, 204703	509142	5507258	383	230	180	-48
VH21-007	Redeemer	116170, 204703	509036	5507228	383	182	180	-48

Table 4: Summer Drill Holes Final Collar Location, Orientations and Depth

Summer Drill Holes								
Hole-ID	**Target**	**Claim Cell ID**	**UTM Easting**	**UTM Northing**	**Elevation (m)**	**Length (m)**	**Azimuth˚**	**Dip˚**
VH21-008	Lone Jack	125677, 155461, 278991, PAT-6203, PAT-6202	505875	5507245	388	353	225	-48
VH21-009	Lone Jack	155461, PAT-6202	505759	5507338	386	422	220	-52
VH21-010	Lone Jack	155461, PAT-6202	505835	5507330	395	237.5	220	-52
VH21-011	Lone Jack	155461	505638	5507562	389	338	220	-52

VH21-012	Lone Jack	294227, 155461, PAT-6587	505661	5507626	388	149	220	-52
VH21-013	Lone Jack	294227, PAT-6587	505707	5507607	383	188	40	-52
VH21-014	Lone Jack	PAT-6587	505584	5507838	393	224	210	-48
VH21-015	Lone Jack	PAT-6587	505554	5507896	388	119	220	-48
VH21-016	Lone Jack	125677, 222988, PAT-6203	505975	5507236	388	248	220	-52
VH21-017	Lone Jack	122328, 155462, PAT-6206	504777	5507684	388	395	210	-48
VH21-018	Lone Jack	122328, 155462, PAT-6206	504592	5507636	388	230	145	-48

Table 5: Significant Results from the 2020 Van Horne Drill Programs

Significant Results from the 2021 Van Horne Drill Programs				
Hole Number	**From**	**To**	**Length**	**Au (ppm)**
VH21-004	73	73.5	0.5	2.53
VH21-005	141	141.75	0.75	1.33
VH21-006	214	214.5	0.5	1.08
VH21-008	124	125	1	1.22
VH21-008	133.5	136.7	3.2	1.29
incl.	135.5	136.05	0.55	4.4
VH21-008	172	173.62	1.62	1.87
VH21-008	197	199	2	1.26
incl.	198	199	1	1.9
VH21-008	202.18	203.3	1.12	1.79
VH21-008	214	214.5	0.5	1.36
VH21-008	215	215.5	0.5	1.25
VH21-008	254.35	255	0.65	3.94
VH21-009	48	49	1	6.42
VH21-009	163	163.5	0.5	155
VH21-010	130.5	131	0.5	2.19
VH21-010	148.9	149.9	1	1.76
VH21-010	188.75	189.25	0.5	1.92
VH21-010	205	205.5	0.5	1.96
VH21-010	225.6	226.1	0.5	2.04
VH21-011	282.23	282.84	0.61	2.72
VH21-012	22	23	1	1.14
VH21-013	100.91	102	1.09	1.05
VH21-013	119	120	1	1.26
VH21-014	3.5	4	0.5	12.15

VH21-015	33.56	34.16	0.6	2.27
VH21-016	69	70	1	1.01
VH21-017	195.25	243.75	47.75	0.79
incl.	204	218	14	1.27
incl.	210	211	1	3.76
VH21-017	215.9	216.85	0.95	4.71
VH21-017	217.5	218	0.5	3.82
VH21-017	220	220.8	0.8	1.41
VH21-017	225.5	227.8	2.3	1.28
VH21-017	229.1	229.9	0.8	1.08
VH21-017	237.82	238.92	1	5.36
VH21-017	242.5	243	0.5	1.55
VH21-017	281	281.7	0.7	2.93
VH21-017	303.7	304.15	0.45	2.71
VH21-017	327	327.5	0.5	1.7
VH21-017	347.25	347.85	0.6	2.54
VH21-017	368.3	369	0.7	2.16
VH21-017	372.5	373	0.5	1.06
VH21-017	373.6	374.1	0.5	1.66
VH21-018	12.6	13.25	0.65	1.29
VH21-018	27	27.5	0.5	1.42
VH21-018	31	32	1	1.05
VH21-018	35.9	36.4	0.5	1.23
VH21-018	97.55	98.1	0.55	1.27
VH21-018	117	118	1	2.01
VH21-018	136	187.4	51.4	0.41
incl.	144	145.4	1.4	1.67
VH21-018	166.2	167	0.8	4.19
VH21-018	176	177	1	1.54
VH21-018	185	185.65	0.65	2.61

Drill core certificates of analysis can be found in Appendix J.

10.0 Sample Preparation, Analyses and Security

For the 2021 field program including both surface and drilling work, KG Exploration used ALS Global (ALS) which has sample preparation facilities in Thunder Bay, Ontario and analytical facilities in North Vancouver, British Columbia. The North American ALS analytical laboratories are accredited by the Standards Council of Canada

(SCC) for specific tests listed in the Scopes of Accreditation which conforms with CANP-1579: Requirements for the Accreditation of Mineral Analysis Testing Laboratories and CAN-P4E ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories. All samples submitted to ALS whether for surface or drilling were analysed using the same techniques and for the same elements.

10.1 Sample Preparation

- Samples are submitted to ALS with a unique ALS sample tag; ALS records the tag number, weighs the samples, and logs samples into their laboratory information management system (LIMS)
- If samples are excessively wet, they are dried
- Samples are crushed to better than 70% passing <-2mm;
- Samples are split using a riffle splitter with 250g pulverized to better than 85% passing <75µm
- Remainder of split is stored as coarse reject for 45 days before being returned to client;
- Crusher jaws and work stations are cleaned before the first sample of every new work order with barren material and compressed air;
- Grinding bowls are cleaned before the first sample of every new work order with silica and compressed air and between each subsequent sample with compressed air;
- A 100-150g split of each pulp sample is packaged and shipped to the analytical facilities in North Vancouver via courier. Pulps and coarse rejects are retained at the ALS Thunder Bay laboratory until requested by client for transfer to long term storage.

10.2 Sample Analyses

All drill core and surface samples were analyzed using Au-AA24 (Au) and ME-ICP61 (Ag, As, Cu, Zn) procedures. Where samples returned values greater than 3.0g/t Au, a gravimetric finish was applied (Au-GRA22) and where overlimits were encountered, ME-OG62 was used.

10.2.1 Au-AA24

Sample Decomposition: Fire Assay Fusion, Atomic Absorption Spectroscopy

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5ml dilute nitric acid in the microwave oven, 0.5ml concentrated hydrochloric acid is the added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4ml with de-mineralized water and analyzed by atomic absorption spectroscopy against matric-matched standards.

Table 6: Detection Limits for Au-AA24

Element	Detection Limit	Upper Limit
Au	0.005ppm	10.0ppm

10.2.2 Au-GRA22

Sample Decomposition: Fire Assay Fusion, Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold.

Table 7: Detection Limits for Au-GRA22

Element	Detection Limit	Upper Limit
Au	0.05ppm	1,000.0ppm

10.2.3 ME-ICP61

Sample Decomposition: HNO3 – HClO4 – HF – HCl digestion, HCl Leach (4Acid)

A prepared sample (0.25g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and the resulting solution is analysed by ICP-AES spectrometry. Results are corrected for spectral interelement interferences.

Table 8: Detection Limits for ME-ICP61

Element	Detection Limit	Upper Limit
Ag	0.5ppm	100.0ppm
As	5.0ppm	10,000ppm
Cu	1ppm	10,000ppm
Zn	2ppm	10,000ppm

10.2.4 ME-OG62

Sample Decomposition: HNO3 – HClO4 – HF – HCl Digestions

A prepared sample (0.4g) is digested with nitric, perchloric, hydrofluoric and hydrochloric acids and then evaporated to incipient dryness. Hydrochloric acid and de-ionized water is added for further digestion and the sample is heated for an additional allotted time. The sample is cooled to room temperature and transferred to a volumetric flask (100ml). The resulting solution is diluted to volume with de-ionized water, homogenized and the solution is analyzed by ICP-AES or by atomic absorption spectrometry.

Table 9: Detection Limits for ME-OG62

Element	Detection Limit	Upper Limit
Ag	1ppm	1,500ppm
As	10ppm	300,000ppm
Cu	10ppm	500,000ppm
Zn	10ppm	300,000ppm

10.3 Security

Core samples are secured within the logging facility in Dryden, Ontario until their transport to ALS. This facility is secured and public access is restricted. Core samples are either shipped via tracked Gardewine transport or by Clark Exploration staff to ALS in Thunder Bay.

11.0 Data Verification

11.1 Drill Hole Data Validation

Drillhole related data undergoes various reviews in the validation process prior to being finalized in the database. Coordinate and survey data collected are reviewed upon completion to ensure accuracy requirements have been met. Collar coordinates are collected via handheld GPS using the waypoint average method and are checked against a GIS application to ensure accuracy. Downhole surveys are reviewed and validated for each hole to ensure quality assurance is met. This includes reviewing the survey in its entirety as well as between stations to ensure there are no outliers or irregularities. If any portion of the survey is called into question the identifying station or portion of survey is thus removed. Once validated, the survey will be finalized into the database (MX Deposit).

Logging, geotechnical and sampling data are recorded on laptops within a central database using the MX Deposit software. Once all information is entered into the drill log and the hole is complete, the data will be reviewed by the supervising geologist to ensure completeness. Once the drill hole has been validated the hole will be locked from further editing and its information will be available in final read-only tables.

11.2 Surface Data Verification

Surface data is reviewed in real-time during collection. This includes reviewing the shapefiles and ensuring that the GIS software is capturing all variables required including: the accurate shape of the outcrop and the details recorded. Field teams review the data for each outcrop/point collected prior to moving on to ensure all data is captured, accurate and saved.

11.3 Assay Validation

11.3.1 Drillhole Assays

Validation of analytical results is run by the MX Deposit software program with parameters predetermined by the supervising geologist. These parameters include; tolerance limits for laboratory standards and KGC inserted quality control (QC) materials as well as the mathematical conversions for results lower than the detection limits for each element being analyzed.

Analytical results are received from the laboratory and imported directly into MX Deposit software. During import the status of each sample being imported is recorded and time stamped, producing a detailed log. This log highlights any issues or failures associated with the import and is saved and reviewed by the supervising geologist. All values that report less than detection are converted to half of the lower detection limit.

11.3.2 Surface Assays

Validation of analytical results is completed manually by the supervising geologist with parameters predetermined. These parameters include the tolerance limits for KGC inserted quality control (QC) materials as well as the mathematical conversions for results lower than the detections limits for each element being analyzed.

Analytical results are received from the laboratory and are compiled and reviewed by the supervising geologist. During review the supervising geologist reviews the inserted QC samples against the predetermined tolerance limits and records the status of each QC sample. All values that report less than detection are converted to half of the lower detection limit.

11.4 Quality Assurance and Quality Control

Quality assurance (QA) and Quality Control (QC) measure for the 2020 field program included the insertion of blank and standard reference material, field duplicates and laboratory duplicate review.

11.4.1 Standard Reference Materials

Certified reference materials including standards and blanks were inserted into each stage of the sampling process throughout the 2021 field program including, grab samples, channel samples and drill sampling. Samples were submitted to ALS Global Laboratories (ALS) in Thunder Bay, Ontario in batches of 78 including the KGC inserted QC samples. For field samples this resulted in 1 QC sample approximately every 20 samples which accounted for roughly three QC samples per batch. For channel sampling and drilling QC samples were inserted approximately 1 in every 12-13 samples which resulted in six QC samples per batch. The analytical results for the inserted QC samples were assessed by the supervising geologist and the MX Deposit software during certificate import.

A review of the standard reference materials showed relatively low variation between samples indicating the high precision and accuracy of the laboratory for the consistent replication during the assay process.

Table 10: Sources and Names for Standards and Blanks used in the 2021 Field Program

Material	Source	Total # Used in 2021	Total # Used in DDH Program
CDN-BL-10	CDN Resource Laboratories	73	62
Crush Blank	Canadian Tire	37	33
CDN-GS-1W	CDN Resource Laboratories	21	13
CDN-GS-7H	CDN Resource Laboratories	44	40
CDN-GS-P8G	CDN Resource Laboratories	36	36
CDN-GS-25	CDN Resource Laboratories	1	1

11.4.2 Tolerance Limits

Certified pulp blank material was considered failed if the result of gold exceeded the maximum allowable upper limit, determined as three times the lower detection limit of the analytical method (0.15ppm). If a failure was detected, the certificate would be reviewed by the supervising geologist who would give the appropriate instruction to the laboratory to re-assay a selected interval from coarse rejects if necessary.

The CDN standard reference material (CRM) results for gold are assessed based on their recommended values and standard deviations as reported on their certificates. A standard sample fails if the results exceed three standard deviations. Additionally, a warning is used if the result falls between two and three standard deviations resulting in a review of adjacent results. Where a failure is detected the certificate is reviewed by the supervising geologist and the laboratory is instructed to re-assay from pulps a selection of samples surrounding the failure if necessary.

11.4.3 Field Duplicates

Field duplicates were collected throughout the drilling phases of the 2021 exploration program. These samples were taken to further the knowledge on the degree of variance the nugget effect has on the various targets. 31 samples were collected in 2021, 9 of which were from samples which returned below detections results, 3 of which returned values within 20% of each other while the remaining 19 were all greater than 20% and in some cases, much greater. This type of variance between the parent sample and duplicate confirms a highly variant effect (nugget effect).

Further sampling is necessary to build the dataset and confidence in the variance and if it shows any preferential nature.

11.4.4 Laboratory Duplicates

ALS Global regularly took duplicate samples in the primary laboratory stage (pulp split). Typically three pulp duplicates were performed per certificate for gold and one for multi-elements. Original assays results versus the pulp duplicate showed very little variation indicating the labs ability to reproduce at a high precision.

12.0 Conclusions

The 2021 exploration program was successful in developing known prospects into drill targets that were tested during later stages of the program, developing prospects for future programs and developing and expanding on known prospects.

Through the program, it was determined that gold mineralization is predominantly in and around quartz veins displaying strong deformation with alteration along margins and extending into proximal host rock. These veins can occur in high density sets that span multiple meters as seen in the Lone Jack area drilling. Gold mineralization is also found within shear structures as seen on the North Star Exposure in the Star Area.

Drilling in the Redeemer area further delineated a known trend (Redeemer Trend) which yields anomalous gold values. Work during the 2021 winter drilling provided the widest known intercept of this trend (~3 m) as well as providing validity that the trend is present at depth. This trend can now be expanded and further delineated to help understand its relation to other gold-bearing structures on the property.

Drilling in Lone Jack area was successful in producing anomalous gold values. Gold values occurred in intervals displaying deformed quartz veins, which are often silica and sericite altered and occurring near a felsic intrusion (quartz-feldspar porphyry). These veins often occur in sets of similar orientation, occasionally displaying multiple generations. This is consistent with the data obtained during the surficial mapping phase of the program. Trends and lithologies outlined during the mapping phase were intercepted at depth and structural data obtained can be used to further refine and delineate these trends. Veining was most abundant in the western holes (VH21-017, VH21-018) targeting the AL-88 Vein. Several anomalous intervals occur within high vein density intervals within an altered diorite unit, near the projected depth of the AL-88 Vein. Further drilling in these areas will provide data to delineate these structures and the unit that hosts them. This data can be used to relate the structures to the trends seen elsewhere in the Lone Jack area.

Mapping and sampling around historic occurrences was successful at providing validity to historic values and data as well as developing targets for future programs.

13.0 Recommendations

The Van Horne property possesses many prospects in multiple stages of grass roots exploration, this allows for another multi-phase program to be performed on the property. The future program should consist of bedrock mapping, mechanized stripping and diamond drilling.

Favorable bedrock exposure throughout the property allows for another bedrock mapping program to develop exploration targets and provide lithological and structural data. A future mapping program focusing on areas along strike of known targets hosting mineralization would likely have the highest chance of success. This mapping should be done at a small-scale. In addition to the small-scale mapping along strike of known targets, broad-scale-prospective mapping should be done in areas with limit historical data. Broad-scale mapping should focus on the southern portion of the property using known geological knowledge obtained through work done elsewhere on the property. This knowledge will help compare and contrast any structures or lithologies found in the underexplored portions of the property to ones that have been previously explored. If the mapping program is successful in generating anomalous gold values, hand stripping should be performed proximal to these locations. Hand stripping has proven to be a viable option in areas that have little to no overburden. These strippings would provide additional data towards understanding structural controls of mineralization.

Mechanized stripping should be performed on select targets generated during the 2021 field mapping program. Specifically, targets with favourable access (proximal to paved road, trail). Strippings created can be mapped in detail and thoroughly channel sampled. Data collected through this process should develop these prospects into drilling targets which can be drilled in later staged of the program.

With the success of the drilling in the Redeemer area, follow-up drilling is suggested. The diamond drilling would define and potentially extend the mineralized zone. A series of 50 meter spaced, shallow holes should be drilled to the west to test the Redeemer Trends strike length. North-western 50-meter step-back of hole VH21-006 should be done to test the Redeemer Trend at depth, under the largest known intercepts of the trend.

After the success of the Lone Jack area drilling, follow-up drilling is suggested. The diamond drilling would define and potentially extend the diorite hosting the high density of quartz vein seen in VH21-017 and VH21-018. Drilling should be done with a goal of defining the quartz veined zone intercepted in the 2021 drill program but also to attempt to compare and contrast these structures seen in the far west drilling to trends seen in the eastern Lone Jack drilling during the 2021 drilling. This drilling should be planned after all historic drilling in the area has been compiled and reviewed.

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Appendix A: Certificate and Qualifications

CERTIFICATE AND QUALIFICATIONS

Percy Clark
941 Cobalt Crescent
Thunder Bay, Ontario
Canada, P7B 5Z4
Telephone: 807-630-2794

CERTIFICATE OF QUALIFIED PERSON

I, Percy, do hereby certify that:

1. I graduated with the degree of Bachelor of Science (Geology) from Acadia University, Wolfville, Nova Scotia in 2017.

2. The "Report" refers to the report titled " Assessment Report on the Van Horne Project
2021 Exploration Program"

3. I am a registered Member in Training (M.I.T) the Association of Professional Geoscientists of Nova Scotia (#077).

4. I have worked as a Geologist for 4 years since my graduation from university.

5. I am responsible for the entire Report

6. As a member of the Clark Exploration Consulting field team, I was responsible for a portion of the field work performed documented in this report.

7. As of the date of this certificate, and to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Dated this 2nd day of December, 2021.

SIGNED

"Percy Clark"

_____
Percy Clark, M.I.T

Appendix B: Statement of Expenditures

Category	Classification	Amount	13% HST	Total
Field Costs	Accommodation	$15,188.41	$1,974.49	$17,162.90
	Accommodation Utilities	$7,391.81	$960.94	$8,352.75
	Airfare	$595.69	$77.44	$673.13
	Assaying	$14,653.40	$1,904.94	$16,558.34
	Core Shack	$22,000.00	$2,860.00	$24,860.00
	Food/Fuel	$2,998.59	$389.82	$3,388.41
	Materials and Supplies	$9,900.89	$1,287.12	$11,188.01
	Parking Fees	$141.58	$18.41	$159.99
	Sample Shipments	$438.41	$56.99	$495.40
	Vancon Core Saw	$2,658.87	$345.65	$3,004.52
Rentals	Truck Rental	$1,257.07	$163.42	$1,420.49
	Downhole Tool Rentals (Reflex)	$20,707.31	$2,691.95	$23,399.26
Drilling	Meterage	$946,208.67	$123,007.13	$1,069,215.80
	Sample Shipments	$5,433.00	$706.29	$6,139.29
	Assaying	$88,843.87	$11,549.70	$100,393.57
Contractors	Fenwick Chipping	$4,925.00	$640.25	$5,565.25
	Allan H. Hutchinson	$1,882.50	$244.73	$2,127.23
	Barker Logging	$9,925.00	$1,290.25	$11,215.25
	Clark Exploration (7)	$493,075.74	$64,099.85	$557,175.59
	Simon Gagne	$21,249.00	$2,762.37	$24,011.37
Totals		$1,669,474.81	$217,031.73	$1,886,506.54

Appendix C: Claim Data

Appendix C: Claim Data

Van Horne Mining Claim Cells

Tenure ID	Tenure Type	Township / Area	Anniversary Date	Tenure Percentage	Holder
100584	Single Cell Mining Claim	AUBREY	2024-02-10	100	(100) KG Exploration (Canada) Inc.
101077	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
101077	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
101743	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
101743	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
101827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
101828	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
101828	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
101828	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
101828	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
101964	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
101964	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
101974	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
102050	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
102050	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
102782	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-01	100	(100) KG Exploration (Canada) Inc.
102933	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
108754	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
108754	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.

108754	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
108755	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
113838	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
113875	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
115955	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
115955	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
115976	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.
116031	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
116031	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
116031	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
116031	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
116059	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
116059	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
116060	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
116060	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
116060	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
116170	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
116170	Single Cell Mining Claim	VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
122328	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
122330	Single Cell Mining Claim	VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
122330	Single Cell Mining Claim	VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.

122330	Single Cell Mining Claim	VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
122407	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
122958	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
122959	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
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123095	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
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125136	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
125137	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-01	100	(100) KG Exploration (Canada) Inc.
125677	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
125677	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
125677	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
128297	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
128297	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
128938	Single Cell Mining Claim	VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
128939	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
128950	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
128952	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
128952	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
128953	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.

128978	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.
129929	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
129929	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
131984	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
131984	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
131985	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
132722	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
133708	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
133708	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
133949	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
143490	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
143490	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
148577	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
148577	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
148598	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
148598	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
149327	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
149328	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
152114	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
155461	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
155461	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.

155462	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
155462	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
158229	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
158229	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
158850	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
161518	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
162111	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
162112	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
162114	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
162114	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
162114	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
163611	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
163611	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
164236	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
164236	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
164236	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
164237	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
164237	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
164248	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
164248	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
164270	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.

164271	Single Cell Mining Claim	VAN HORNE	2024-03-20	100	(100) KG Exploration (Canada) Inc.
164272	Single Cell Mining Claim	VAN HORNE	2024-03-20	100	(100) KG Exploration (Canada) Inc.
164273	Single Cell Mining Claim	VAN HORNE	2024-03-20	100	(100) KG Exploration (Canada) Inc.
164274	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
164274	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
164274	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
164827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
164827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
164827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
164828	Single Cell Mining Claim	VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
164828	Single Cell Mining Claim	VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
164828	Single Cell Mining Claim	VAN HORNE	2024-08-01	100	(100) KG Exploration (Canada) Inc.
168176	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
168177	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
170904	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
171531	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
171531	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
171532	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
171532	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
176068	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
196706	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.

197380	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
204065	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
204065	Single Cell Mining Claim	VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
204702	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204702	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204702	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204703	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204703	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204703	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-09-24	100	(100) KG Exploration (Canada) Inc.
204895	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
205405	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
205458	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
205836	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
208824	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
208824	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
208824	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
208858	Single Cell Mining Claim	AUBREY	2024-05-29	100	(100) KG Exploration (Canada) Inc.
208858	Single Cell Mining Claim	AUBREY	2024-05-29	100	(100) KG Exploration (Canada) Inc.
211512	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
211512	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
211512	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.

212127	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
212127	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
212136	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
212157	Single Cell Mining Claim	VAN HORNE	2024-03-20	100	(100) KG Exploration (Canada) Inc.
215708	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
215709	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
215709	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
215709	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
216811	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
216811	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
216812	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
216813	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
217574	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
222641	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
222988	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
222988	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
222988	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
223532	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
223532	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
223654	Single Cell Mining Claim	VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
224192	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.

230931	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
230939	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
230939	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
230939	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
230962	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
230962	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
231543	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
231543	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
233428	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
233428	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
233428	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
233429	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
234764	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
235575	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
245605	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
245605	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
245606	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
253671	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
253671	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
253672	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
253672	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.

253673	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
260174	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
260174	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
260174	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
260199	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
260200	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
260200	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
260201	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
260201	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
262729	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
262730	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
262862	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
262863	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
262863	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
264257	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
266173	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
268223	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
270314	Single Cell Mining Claim	VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
270314	Single Cell Mining Claim	VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
271459	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
273628	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-01	100	(100) KG Exploration (Canada) Inc.

273629	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
273629	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
277503	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
277503	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
277504	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
277504	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
277504	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
278145	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
278145	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
278146	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
278147	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
278161	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
278991	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
278991	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
278991	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
279030	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
279030	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
279031	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
279031	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
279693	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.
279694	Single Cell Mining Claim	VAN HORNE	2024-05-18	100	(100) KG Exploration (Canada) Inc.

279694	Single Cell Mining Claim	VAN HORNE	2024-05-18	100	(100) KG Exploration (Canada) Inc.
282849	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
283576	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
283577	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
284314	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
284314	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
287523	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
287523	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
287523	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
289762	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
289762	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-05-29	100	(100) KG Exploration (Canada) Inc.
289763	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
289763	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
289763	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
290174	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
290174	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
290175	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
290338	Single Cell Mining Claim	VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
293681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
293681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.
293681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-10-16	100	(100) KG Exploration (Canada) Inc.

294227	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
294227	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
296962	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
296962	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
296971	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
296972	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
296972	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
297588	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
300019	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
301292	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
302235	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
311314	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
311314	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
311315	Single Cell Mining Claim	VAN HORNE	2024-06-15	100	(100) KG Exploration (Canada) Inc.
311346	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
311346	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
312718	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
312734	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
312734	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
312735	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.
312735	Single Cell Mining Claim	VAN HORNE	2024-11-23	100	(100) KG Exploration (Canada) Inc.

312754	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.
314087	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-03	100	(100) KG Exploration (Canada) Inc.
314088	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
314088	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
314680	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
314680	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
314681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
316066	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
318541	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
319660	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
319661	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
326126	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
326146	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
326146	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
326146	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
326146	Single Cell Mining Claim	VAN HORNE	2024-09-11	100	(100) KG Exploration (Canada) Inc.
326745	Single Cell Mining Claim	VAN HORNE	2024-04-03	100	(100) KG Exploration (Canada) Inc.
326782	Single Cell Mining Claim	VAN HORNE	2024-05-02	100	(100) KG Exploration (Canada) Inc.
326882	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
326882	Single Cell Mining Claim	VAN HORNE	2024-05-04	100	(100) KG Exploration (Canada) Inc.
330648	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.

330648	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-04-01	100	(100) KG Exploration (Canada) Inc.
330649	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
330649	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-03	100	(100) KG Exploration (Canada) Inc.
330651	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
330651	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-06-03	100	(100) KG Exploration (Canada) Inc.
332625	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
332626	Single Cell Mining Claim	CONTACT BAY AREA	2024-08-08	100	(100) KG Exploration (Canada) Inc.
332627	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
332627	Single Cell Mining Claim	AUBREY	2024-06-03	100	(100) KG Exploration (Canada) Inc.
333181	Single Cell Mining Claim	AUBREY	2024-08-08	100	(100) KG Exploration (Canada) Inc.
340526	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
340527	Single Cell Mining Claim	CONTACT BAY AREA	2024-03-12	100	(100) KG Exploration (Canada) Inc.
344644	Single Cell Mining Claim	CONTACT BAY AREA	2024-04-01	100	(100) KG Exploration (Canada) Inc.
345301	Single Cell Mining Claim	AUBREY	2024-05-29	100	(100) KG Exploration (Canada) Inc.
522834	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522835	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522836	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522837	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522838	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522839	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522840	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.

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522842	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522845	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522855	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522856	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522857	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522858	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522859	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522860	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522861	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.

522862	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522863	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522864	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522865	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522866	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522867	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522868	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522869	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522870	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522871	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522872	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522873	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522875	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522876	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522877	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522879	Single Cell Mining Claim	CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522884	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522918	Single Cell Mining Claim	AUBREY,BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522923	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522924	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522925	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522926	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522927	Single Cell Mining Claim	AUBREY,BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522928	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522931	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522932	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522933	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522934	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522935	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522936	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522937	Single Cell Mining Claim	BUCHAN BAY AREA,CONTACT BAY AREA	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522938	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522950	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522951	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522952	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522953	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522954	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522955	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
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522970	Single Cell Mining Claim	AUBREY	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522971	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522972	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522973	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522974	Single Cell Mining Claim	AUBREY,VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522975	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522976	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.
522977	Single Cell Mining Claim	VAN HORNE	2024-06-08	100	(100) KG Exploration (Canada) Inc.

Van Horne Patent Claims

Tenure Number	Title	Description	Area (ha)	Object ID
PAT-6205	Patent	Mining and Surface Rights	16.187	496291
PAT-6202	Patent	Mining and Surface Rights	12.141	496164
PAT-6203	Patent	Mining and Surface Rights	12.141	496165
PAT-6199	Patent	Mining and Surface Rights	16.187	496166
PAT-6197	Patent	Mining and Surface Rights	28.328	496167
PAT-6207	Patent	Mining and Surface Rights	16.187	496408
PAT-6200	Patent	Mining and Surface Rights	16.187	496275
PAT-6201	Patent	Mining and Surface Rights	16.187	496276
PAT-6198	Patent	Mining and Surface Rights	64.75	496277
PAT-6587	Patent	Mining and Surface Rights	16.187	496279
PAT-6196	Patent	Mining and Surface Rights	16.187	752548
PAT-6204	Patent	Mining and Surface Rights	11.331	762584
PAT-6206	Patent	Mining Rights	11.736	764238

Appendix D: Grab Sample Descriptions

Van Horne Grab Sample Data Collection

Location ID	Target	Sample Number	Easting	Northing	Elevation	Date Sampled	Geologist	Type	Rock Type	Grain Size	Colour	Texture	Sulphides	Sulphide %	Sulphide Style	Alteration	Primary Alteration Mineral	Alteration Texture	Deformation	Description	Au_ppm	Au-GRA_ppm	Ag_ppm	As_ppm	Cu_ppm	Zn_ppm	Certificate
sg21-001a	Lone Jack	B732701	505725	5507642	404	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	0.1	Disseminated	Moderate	Chlorite	Halo	Intense	10cm, qtz-carb-tourm-py carb, tourm 3-4%, py 0.1% altered wall rock contains 3-5% py	0.088		<0.5	<5	18	12	TB21125163
sg21-001b	Lone Jack	B732702	505726	5507636	402	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	20	Patchy	Weak	Silica	Halo	Weak	4cm, qtz-carb-py, carb 5%, py 2%, altered wall rock contains 3-5% py	2.74		<0.5	5	4	37	TB21125163
sg21-001c	Lone Jack	B732703	505724	5507639	403	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Moderate	Chlorite	Halo	Strong	8cm, qtz-carb-tourm-py carb 5%, tourm 3-4%, py 1% altered wall rock contains 2-3% py	0.54		1	<5	11	26	TB21125163
sg21-001d	Lone Jack	B732704	505721	5507633	405	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	0.1	Disseminated	Subtle	Silica	Halo	Strong	3-5cm qtz-carb, carb 4%, traces of py	0.034		<0.5	<5	2	20	TB21125163
sg21-001e	Lone Jack	B732705	505734	5507618	398	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Subtle	Sericite	Halo	Moderate	6cm qtz-carb-torm-py, carb 4%, py 1%, traces of tourm	0.184		<0.5	<5	1	11	TB21125163
sg21-004a	Lone Jack	B732706	505650	5507479	408	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Weak	Chlorite	Halo	Moderate	1-3cm, qtz-carb-py, carb 3-4%, py 1%	0.143		<0.5	<5	3	33	TB21125163
sg21-004b	Lone Jack	B732707	505641	5507471	413	5/8/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Moderate	2-4cm, qtz-carb-py, carb 3-4%, py 0.1%	0.279		<0.5	7	3	22	TB21125163
sg21-013a	Lone Jack	B732708	505872	5507168	385	5/9/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Not present			Weak	Chlorite	Halo	Moderate	3cm qtz-carb-py, carb 3-5%, py 1%, stretch strained	0.005		<0.5	<5	6	92	TB21125163
sg21-019a	Lone Jack	B732709	505949	5507454	397	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Moderate	Chlorite	Halo	Not Present	1Q4cm qtz-carb-py vein, discontinuous, chlorite halo, carb 5%, py 0.1%	<0.005		<0.5	<5	3	19	TB21125163
sg21-019b	Lone Jack	B732710	505946	5507456	397	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Weak	1Q4cm qtz-carb-py vein, irregularity, chlorite halo, carb 5%, py%	<0.005		<0.5	<5	12	60	TB21125163
sg21-019c	Lone Jack	B732711	505961	5507449	396	5/10/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Vein Fill	Weak	Chlorite	Halo	Weak	1-3cm, qtz-carb-py-tourm carb 2%, py 1%, tourm 1%	<0.005		<0.5	<5	9	17	TB21125163
sg21-019d	Lone Jack	B732712	505965	5507462	397	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Moderate	1-6cm qtz-carb-py veins, narrow stockwork trending at 300, carb 5%, py 0.1%	<0.005		<0.5	<5	17	80	TB21125163
sg21-020a	Lone Jack	B732713	505980	5507482	402	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Moderate	Chlorite	Halo	Moderate	5-30 cm, qtz-carb-tourm-py, tourm 1%, carb 3%, py 0.1%, tension gash 265/52	<0.005		<0.5	<5	18	18	TB21125163
sg21-020b	Lone Jack	B732714	505980	5507482	402	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Moderate	Chlorite	Halo	Moderate	5-30 cm, qtz-carb-tourm-py, tourm 2%, carb 3%, py 1%, tension gash 280/52	0.013		<0.5	<5	30	68	TB21125163
sg21-023a	Lone Jack	B732715	505678	5507194	410	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Strong	Chlorite	Patchy	Moderate	1-15cm, qtz-carb-tourm-py vein, carb 3%, tourm 1%, py 0.1%, chlor 10%	0.015		<0.5	<5	7	49	TB21125163
sg21-023b	Lone Jack	B732716	505680	5507193	410	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Strong	Chlorite	Patchy	Moderate	2-10cm, qtz-carb-tourm-py vein, chlor 10%, carb 5%, py 0.1%, trace. Pinches and swell	<0.005		<0.5	<5	15	44	TB21125163
sg21-023c	Lone Jack	B732717	505678	5507193	410	5/10/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Patchy	Weak	2-4cm qtz-carb-py, carb 5%, chlor 1-2%, py 0.1%, planar	<0.005		<0.5	<5	6	37	TB21125163
sg21-035a	Lone Jack	B732718	505463	5507382	417	5/11/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Moderate	Chlorite	Halo	Weak	1-3cm, qtz-carb-biot-chlor-py vein, carb 4%, biot 0.1%, py 0.1, chlor 5%	0.549		<0.5	<5	21	33	TB21125163
sg21-035b	Lone Jack	B732719	505466	5507381	416	5/11/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Moderate	Chlorite	Halo	Weak	stockwork of 1-4cm, py 1%, carb 5%, chlor 10%, biotite viens 3%	0.006		<0.5	<5	5	55	TB21125163
QAQC		B732720							CDN-BL-10											CDN-BL-10	<0.005		<0.5	<5	17	34	TB21125163
sg21-036a	Lone Jack	B732721	505436	5507302	415	5/11/2021	Simon Gagne	Subcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Not Present	15-25cm qtz-carb-tourm-py vein, carb 4%, tourm 3%, chlor 5%, py 0.1%	<0.005		<0.5	<5	2	3	TB21125163
sg21-036b	Lone Jack	B732722	505435	5507301	415	5/11/2021	Simon Gagne	Subcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Not Present	35-40% wall rock in sample	0.009		<0.5	<5	15	17	TB21125163
sg21-036c	Lone Jack	B732723	505438	5507299	414	5/11/2021	Simon Gagne	Subcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Weak	4-10cm qtz-carb-tourm-py	<0.005		<0.5	<5	2	5	TB21125163
sg21-039a	Lone Jack	B732724	505186	5507231	402	5/11/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Not present			Weak	Chlorite	Halo	Weak	1-3cm planar qtz-carb vein, carb 3%, chlor 4%	<0.005		<0.5	<5	15	266	TB21125163
sg21-041a	Lone Jack	B732725	504972	5506982	408	5/12/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Fine	Green-Grey	Schistose	Pyrite	0.1	Disseminated	Intense	Chlorite	Pervasive	Intense	<10m ductile shear zone, chlorite, anchorite, py 0.1%, altered intermediate volcaniclastic, shistose, minor qtz veins	<0.005		<0.5	<5	41	74	TB21125163
sg21-041b	Lone Jack	B732726	504971	5506987	408	5/12/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Intense	Chlorite	Pervasive	Intense	anchorite 10%, chlorite 20%, qtz 65%, py 1%, carb 5%, tourm 1-2%. Shear zone	<0.005		<0.5	<5	4	74	TB21125163
sg21-041c	Lone Jack	B732727	504975	5506980	408	5/12/2021	Simon Gagne	Float	Intermediate Volcaniclastic	Aphanitic	Green-Grey	Foliated	Pyrite	1	Disseminated	Intense	Silica	Pervasive	Intense	qtz-anchorite-carb-tourm, chlorite 5-10%, py 1%, taken from blast pile	<0.005		<0.5	<5	8	43	TB21125163
sg21-041d	Lone Jack	B732728	504981	5506980	408	5/12/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Strong	Chlorite	Halo	Strong	partly silicified, intermediate lapilli, chlorite-anchorite shisht, qtz 30-35%	0.042		<0.5	<5	14	71	TB21125163
sg21-041e	Lone Jack	B732729	504986	5506971	401	5/12/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Green-Grey	Foliated	Pyrite	0.1	Disseminated	Moderate	Silica	Pervasive	Strong	moderately silicified lapilli tuff. anchorite 7%, (1mm) quartz stockwork 2%, traces of pyrite	0.006		<0.5	<5	38	272	TB21125163
sg21-042a	Lone Jack	B732730	505035	5506985	406	5/12/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Strong	Chlorite	Pervasive	Strong	8-15cm qtz-carb vein, anch 10%, sericite 1%, py 2%. from pit	0.223		<0.5	<5	2	14	TB21125163
sg21-042b	Lone Jack	B732731	505036	5506986	407	5/12/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Foliated	Pyrite	2	Disseminated	Strong	Ankerite	Patchy	Strong	10-15cm qtz-carb vein, anch 10%, sericite 1%, py 2%, tourm 1%. from pit	2.6		<0.5	5	18	100	TB21125163
sg21-042c	Lone Jack	B732732	505037	5506987	407	5/12/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Green-Grey	Foliated	Pyrite	1	Disseminated	Strong	Chlorite	Pervasive	Strong	2-4cm qtz-carb vein, anchorite 15-20%, several mm size qtz veinlet. From pit	1.455		<0.5	12	18	94	TB21125163
sg21-042d	Lone Jack	B732733	505067	5506997	414	5/12/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Green-Grey	Foliated	Pyrite	1	Disseminated	Moderate	Chlorite	Pervasive	Moderate	2-5cm qtz-carb-chlor, chlor 15%, anchorite 7%, py 1%	3.91	3.67	1	10	36	80	TB21125163
sg21-042e	Lone Jack	B732734	505062	5506995	413	5/12/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Fine	Green-Grey	Foliated	Pyrite	3	Disseminated	Moderate	Silica	Pervasive	Strong	py also on fract fill, crystal tuff, anch 7%, presence of magnetite	0.602		1.1	6	131	2860	TB21125163
sg21-045a	Lone Jack	B732737	505080	5507187	407	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Chlorite	Pervasive	Weak	6-20cm qtz-tourm-carb-py vein, tourm 5%, carb 2%,	0.005		<0.5	<5	4	22	TB21125163
sg21-045b	Lone Jack	B732738	505082	5507187	408	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Chlorite	Halo	Weak	6-20cm qtz-tourm-carb-py vein, tourm 2%, carb 2%,	<0.005		<0.5	<5	2	18	TB21125163
sg21-045c	Lone Jack	B732739	505099	5507190	407	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Weak	3-8cm qtz-carb-tourm-py tourm 1%, carb 2%, trace py	<0.005		<0.5	<5	2	136	TB21125163
QAQC		B732740							CDN-GS-1W											CDN-GS-1W	1.355		1.5	20	46	95	TB21125163
sg21-046a	Lone Jack	B732741	505062	5507130	417	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Weak	1-3cm qtz-carb-py-tourm vein, carb 2%, chlor 1%, py 1%, tourm 0.1%	0.934		0.6	8	4	42	TB21125163
sg21-048a	Lone Jack	B732742	505139	5506746	400	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Silica	Halo	Weak	2-5cm qtz-tourm-carb-py vein. tourm 2%, carb 2%, trace py,	<0.005		<0.5	<5	1	15	TB21125163
sg21-048b	Lone Jack	B732743	505131	5506754	403	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Silica	Halo	Weak	2-5cm qtz-carb-tourm, carb 2%, tourm 1%, trace py	<0.005		<0.5	<5	5	19	TB21125163
sg21-048c	Lone Jack	B732744	505132	5506752	405	5/13/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Silica	Halo	Weak	3-8cm, qtz-carb-tourm-py vein, tourm 1%, carb 2%, py 0.1%	<0.005		<0.5	<5	3	16	TB21125163
sg21-049a	Lone Jack	B732746	505305	5506926	403	5/13/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Light Grey	Foliated	Pyrite	3	Disseminated	Intense	Silica	Pervasive	Moderate	silicified intermediate wall rock with pervasive silicification as Vien stockwork. carb 3%, py 3%, traces of tourm	1.205		<0.5	8	20	122	TB21125163
sg21-049b	Lone Jack	B732747	505303	5506926	401	5/13/2021	Simon Gagne	Subcrop	Intermediate Volcaniclastic	Aphanitic	Light Grey	Massive	Pyrite	5	Vein Fill	Strong	Silica	Pervasive	Moderate	silicified intermediate wall rock with pervasive silicification as Vien stockwork. carb 3%, py 3%, traces of tourm	1.38		<0.5	8	71	2310	TB21125163
sg21-049c	Lone Jack	B732748	505296	5506936	402	5/13/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Green-Grey	Schistose	Pyrite	7	Disseminated	Moderate	Silica	Pervasive	Strong	shistose intermediate Volcaniclastic with moderate silicification. Anchorite present, py 7%	0.717		0.8	32	24	222	TB21125163
sg21-052a	Lone Jack	B732752	506081	5507039	398	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Weak	1-2cm qtz vein, carb 2%, trace py, trace magnetite	<0.005		<0.5	<5	13	68	TB21125163
sg21-063a	Lone Jack	B732753	505696	5507095	396	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Moderate	Silica	Halo	Moderate	1-2cm, 40% vein, 60% wall rock	0.483		<0.5	11	3	42	TB21125163
sg21-063d	Lone Jack	B732754	505704	5507097	396	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Weak	Silica	Halo	Moderate	2-3cm, carb 3%	1.89		<0.5	8	1	6	TB21125163
sg21-063b	Lone Jack	B732755	505718	5507105	393	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	4	Disseminated	Moderate	Silica	Halo	Moderate	90% mineralized intrusive, 10% quartz vein	3.18	2.8	<0.5	7	8	30	TB21125163
sg21-063c	Lone Jack	B732756	505718	5507105	393	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	fracture-fill	Moderate	Silica	Halo	Moderate	1-3cm qtz vein, carb 2%, trace tourm, 50% intrusive, 50% quartz vein	0.33		<0.5	7	75	136	TB21125163
sg21-064a	Lone Jack	B732758	505589	5507082	402	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Patchy	Weak	2-3cm, biot-chlor 2-3%, carb 3%, trace py	<0.005		<0.5	<5	5	42	TB21125163
sg21-064b	Lone Jack	B732759	505582	5507085	405	5/15/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Weak	Chlorite	Patchy	Weak	5-8cm, chlor 2-3%, carb 2-5, muscv 1%	<0.005		<0.5	<5	2	20	TB21125163
QAQC		B732760							Crush Blank											Crush Blank	<0.005		<0.5	<5	11	40	TB21125163
sg21-069a	Lone Jack	B732763	505997	5507676	413	5/16/2021	Simon Gagne	Outcrop	Quartz Vein	Fine	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Chlorite	Halo	Strong	90%wall rock, 10%vein	0.012		<0.5	<5	3	30	TB21125163
sg21-070a	Lone Jack	B732765	506042	5507777	409	5/16/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Vein Fill	Moderate	Chlorite	Halo	Moderate	2-4cm qtz vein. 2%carb, 0.1%tourm	0.04		<0.5	<5	1	6	TB21125163
sg21-071a	Lone Jack	B732766	506174	5507710	405	5/16/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	fracture-fill	Moderate	Chlorite	Halo	Weak	15-20cm qtz-carb-Py-tourm, 3%carb, 1%py, trace tourm,, halo chlorite	<0.005		3.8	9	5	16	TB21125163
sg21-071b	Lone Jack	B732767	506176	5507709	405	5/16/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Chlorite	Halo	Weak	qtz, carb4%, 3%py, traces tourm, chlorite halo	<0.005		0.7	11	8	10	TB21125163
sg21-071c	Lone Jack	B732768	506177	5507712	404	5/16/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Weak	Chlorite	Halo	Not Present	15-20cm qtz-carb-Py-tourm, 3%carb, 3%py, trace tourm,, halo chlorite	<0.005		<0.5	<5	1	9	TB21125163
sg21-073a	Lone Jack	B732769	505641	5507587	401	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Weak	Chlorite	Halo	Weak	1cm qtz-carb-py vein, carb 3%, py 3%	0.738		<0.5	<5	3	31	TB21125163
sg21-073b	Lone Jack	B732770	505643	5507577	398	5/16/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Weak	Chlorite	Halo	Weak	1-2cm qtz-carb-py vein, carb2%	>10.0	36.3	1.2	<5	11	567	TB21125163
sg21-073c	Lone Jack	B732771	505640	5507577	400	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Weak	Chlorite	Halo	Weak	1-2cm qtz-carb-py vein, carb 3%	6.21	7.78	0.6	<5	4	48	TB21125163
sg21-073d	Lone Jack	B732772	505641	5507574	398	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Weak	Chlorite	Halo	Weak	1-2cm qtz-carb-py vein, carb 2%	2.47		<0.5	<5	15	65	TB21125163
sg21-076a	Lone Jack	B732773	505539	5507399	418	5/17/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	5	Disseminated	Moderate	Silica	Halo	Not Present	10-25cm qtz-carb-tourm-py vein, carb 3%, trace tourm, trace musc, 100% qtz vein. From blast pile	3.96	2.6	1.5	<5	5	8780	TB21125163
sg21-076b	Lone Jack	B732774	505538	5507401	420	5/17/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Moderate	Silica	Halo	Not Present	10-25cm qtz-carb-tourm-py vein, carb 3%, trace tourm, trace musc, 80%wall rock. from blast pile	0.195		<0.5	<5	16	1330	TB21125163
sg21-076c	Lone Jack	B732775	505546	5507402	420	5/17/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Moderate	Silica	Halo	Weak	1-2cm vien with mineralized wall rock. silicified qtz feldspar porphyry, 95% wall rock	0.112		<0.5	<5	13	1520	TB21125163
sg21-076d	Lone Jack	B732776	505526	5507416	419	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Silica	Halo	Weak	1-3cm qtz-carb-py, carb 2%	0.284		8	<5	2	99	TB21125163
sg21-077a	Lone Jack	B732777	505577	5507394	413	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Silica	Halo	Weak	3-10cm qtz-carb-tourm-py, tourm 3-4%, carb 1%, gabbro on sw polygon contact, 90% mafic flow to the ne, lapilli to east,	>10.0	20	8.5	<5	124	434	TB21125163
sg21-077b	Lone Jack	B732778	505586	5507397	417	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Chlorite	Patchy	Strong	5-10cm qtz vein, sheared, carb 7%, traces of tourm	0.047		<0.5	<5	6	33	TB21125163
sg21-079a	Lone Jack	B732779	505566	5507444	420	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Chlorite	Pervasive	Weak	3-5cm qtz-carb-py, carb 3%	1.615		<0.5	5	4	34	TB21125163
QAQC	CDN-GS-7H	B732780																			6.89	6.81	0.7	6450	53	71	TB21125163
sg21-079b	Lone Jack	B732781	505552	5507429	421	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Moderate	Chlorite	Halo	Weak	2-4cm qtz-carb-py-tourm, carb 3%, narrow chlor halo, trace tourm, 50% wall rock	0.061		<0.5	12	11	78	TB21125163
sg21-078c	Lone Jack	B732782	505573	5507438	422	5/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Moderate	Chlorite	Halo	Weak	2-4cm qtz-carb-py, carb 1%, 50%wall rock	1.225		<0.5	6	12	98	TB21125163
sg21-085a	Lone Jack	B732783	505420	5507169	423	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Halo	Weak	Chlorite	Halo	Weak	1-10cm vein stockwork, carb 1-2%	<0.005		<0.5	<5	5	10	TB21130522
sg21-085b	Lone Jack	B732784	505419	5507168	423	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Halo	Weak	Chlorite	Halo	Weak	2-15cm qtz vein stockwork, carb4%	0.009		<0.5	<5	5	25	TB21130522
sg21-085c	Lone Jack	B732785	505411	5507187	422	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	fracture-fill	Weak	Chlorite	Halo	Weak	2-4cm qtz vein, carb 1%	1.74		<0.5	<5	21	139	TB21130522
sg21-085d	Lone Jack	B732786	505445	5507208	422	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Chlorite	Halo	Weak	4-8cm qtz vein, carb 3%, chlorite 5%	0.062		<0.5	<5	4	11	TB21130522
sg21-085e	Lone Jack	B732787	505439	5507204	425	5/18/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Green-Grey	Foliated	Pyrite	1	Disseminated	Moderate	Chlorite	Pervasive	Moderate	5% 1-2 mm qtz veinlets	<0.005		<0.5	<5	1	283	TB21130522
sg21-085f	Lone Jack	B732788	505460	5507212	423	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Halo	Weak	Chlorite	Halo	Weak	2cm qtz vein, carb 2%	0.102		<0.5	<5	58	151	TB21130522
sg21-085g	Lone Jack	B732789	505458	5507210	422	5/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Chlorite	Pervasive	Weak	1-3cm qtz vein, carb 2-3%	2.11		<0.5	<5	38	84	TB21130522
sg21-087	Lone Jack	B732790	504813	5507638	396	5/19/2021	Simon Gagne	Outcrop	Diorite	Medium	Grey	Massive	Pyrite	1	Disseminated	Moderate	Silica	Pervasive	Strong	strongly foliated	0.012		<0.5	<5	84	82	TB21130522
	Lone Jack	B732791	504813	5507638	396	5/19/2021	Simon Gagne	Outcrop	Diorite	Medium	Grey	Massive	Pyrite	1	Disseminated	Moderate	Silica	Pervasive	Strong	strongly foliated	8.96	10.2	1.4	16	22	29	TB21130522
	Lone Jack	B732792	504811	5507642	396	5/19/2021	Simon Gagne	Outcrop	Quartz Vein	Fine	Light Grey	Foliated	Pyrite	8	Disseminated	Intense	Ankerite	Patchy	Strong	strong ankerite alteration-overprinting silicification	1.015		<0.5	5	10	400	TB21130522
sg21-042	Lone Jack	B732793	505057	5506992	400	5/19/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	4	Blebby	Moderate	Ankerite	Halo	Strong	5cm qtz-carb-py, moderate pervasive carb in wall rock, immediately adjacent to sample B732794	0.11		<0.5	<5	5	171	TB21130522
sg21-042	Lone Jack	B732794	505058	5506992	400	5/19/2021	Percy Clark	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	4	Blebby	Moderate	Ankerite	Halo	Moderate	5cm cm qtz-carb-py vein, carb 1-2%, silicified, 90% vien, strongly altered wall rock. py blebs on vein margin	2.05		0.9	52	6	58	TB21130522
sg21-042	Lone Jack	B732795	505058	5506994	411	5/19/2021	Simon Gagne	Float	Intermediate Volcaniclastic	Fine	Grey	Foliated	Pyrite	10	Disseminated	Strong	Silica	Pervasive	Moderate	2-5mm py crystals	0.262		<0.5	7	7	34	TB21130522
sg21-042	Lone Jack	B732796	505059	5506994	409	5/19/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Red-Brown	Massive	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Moderate	carb 1%, laminated texture	0.396		<0.5	7	4	22	TB21130522
Little Jumbo Trench	Lone Jack	B732803	506609	5507536	391	5/19/2021	Percy Clark	Outcrop	Intermediate Intrusive	Medium	Light Grey	Foliated	Pyrite	2	Vein Fill	Weak	Carbonate	Halo	Weak	30%veins, running at 308/86, 70% wall rock. taken along margin of historic channel cut.	0.098		<0.5	<5	5	42	TB21130522
sg21-001	Lone Jack	B732804	505720	5507633	378	5/19/2021	Simon Gagne	Outcrop	Felsic Intrusive	Fine	Grey	Massive	Pyrite	2	Disseminated	Weak	Silica	Halo	Not Present	from historic pit, 95% wall rock, py increases with proximity to vein	0.011		<0.5	<5	7	35	TB21148732
TT21-022	Vanlas	B732805	506488	5508391	399	5/29/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	1	Disseminated	Weak	Ankerite	Pervasive	Weak	3-5 inch qtz carb ank vein, 1% disseminated pyrite, 30% host rock, 70% vein	<0.005		<0.5	<5	4	44	TB21148732
TT21-001	Vanlas	B732806	508003	5508001	407	5/24/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Medium	Red-Brown	Massive	Pyrite	TR	Disseminated	Strong	Silica	Pervasive	Moderate	Strongly silicified intermediate volcanic unit proximal to quartz carb vein. Trace pyrite disseminated	<0.005		<0.5	<5	3	7	TB21148732
TT21-001	Vanlas	B732807	507994	5508001	406	5/24/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	5 - 30 cm qtz carb ank vein blowout, proximal to ideal trench and shaft, 1% disseminated pyrite, fracture fill ankerite.	<0.005		<0.5	<5	3	40	TB21148732
TT21-005	Vanlas	B732808	506446	5508466	407	5/25/2021	Tommy Clark	Outcrop	Feldspar Porphyry	Medium	Beige	Massive	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Strong	Qfp sample, 1% disseminated pyrite, small biotite laths present	<0.005		<0.5	<5	4	13	TB21148732
TT21-005	Vanlas	B732809	506444	5508463	406	5/26/2021	Tommy Clark	Outcrop	Feldspar Porphyry	Medium	Light Grey	Foliated	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Intense	Highly sheared and altered rock. looks qfp like, qfp rubble surrounding sample, possibly highly siliceous mafic rock.	<0.005		<0.5	<5	11	48	TB21148732
TT21-011	Vanlas	B732810	506456	5508446	395	5/27/2021	Tommy Clark	Outcrop	Felsic Intrusive	Medium	Beige	Porphyritic	Pyrite	TR	Disseminated	Intense	Silica	Pervasive	Moderate	Highly altered "QFP-like" unit, medium grained pink feldspars and silica grains within a rusty/grey matrix.	<0.005		<0.5	<5	2	28	TB21148732
TT21-012	Vanlas	B732811	506457	5508452	396	5/27/2021	Tommy Clark	Outcrop	Mafic Volcanic	Fine	Cream	Foliated	Pyrite	1	Disseminated	Intense	Silica	Pervasive	Intense	Highly altered/foliated mafic shear area close to blast pit.	<0.005		<0.5	<5	1	4	TB21148732
Near TT21-013	Vanlas	B732812	506471	5508435	395	5/27/2021	Tommy Clark	Subcrop	Quartz Vein	Medium	White	Glassy	Pyrite	TR	Disseminated	Weak	Ankerite	Patchy	Weak	Historic sample taken, h807426. Possible subcrop within blast pit.	0.005		<0.5	<5	18	40	TB21148732
TT21-013	Vanlas	B732813	506476	5508436	397	5/27/2021	Tommy Clark	Outcrop	Feldspar Porphyry	Medium	Buff	Foliated	Pyrite	5	Disseminated	Intense	Ankerite	Pervasive	Strong	sheared magic or qfp like unit, highly altered ankerite and silica, cubic pyrite and trace bornite	<0.005		<0.5	<5	7	12	TB21148732
TT21-014	Vanlas	B732814	506500	5508439	395	5/28/2021	Tommy Clark	Outcrop	Felsic Intrusive	Very Fine	Beige	Glassy	NA	Nil	Disseminated	Strong	Silica	Pervasive	Intense	Very altered and deformed possible felsic intrusion. Ground mass seems entirely glass like silica, beige-buff colour, 1/2m wide between two volcaniclastics	0.028		<0.5	<5	9	29	TB21148732
TT21-016	Vanlas	B732815	506499	5508424	400	5/28/2021	Tommy Clark	Outcrop	Mafic Volcanic	Medium	Beige	Massive	Pyrite	4	Disseminated	Strong	Silica	Pervasive	Strong	Sheared mafic / qfp like rock. highly altered mafic unit with silica and disseminated ankerite where sulfides have weathered out, throughout rock.	0.212		<0.5	<5	6	24	TB21148732
TT21-016	Vanlas	B732816	506505	5508424	401	5/28/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Patchy	Weak	Qtz-carb-ank vein, dipping 81 N striking 286	<0.005		<0.5	<5	2	11	TB21148732
TT21-022	Vanlas	B732817	506817	5508391	399	5/29/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	TR	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	Large blowout vein around tree and rubble, difficult to tell strike and dip. trace pyrite.	<0.005		<0.5	<5	29	23	TB21148732
TT21-025	Vanlas	B732818	506505	5508332	396	5/29/2021	Tommy Clark	Outcrop	Felsic Intrusive	Fine	Beige	Bleached	Pyrite	TR	Disseminated	Strong	Silica	Pervasive	Strong	Historical sample #A00348084. possible felsic intrusion, small chill margin between surrounding contact. Sample taken	<0.005		<0.5	<5	3	5	TB21148732
TT21-027	Vanlas	B732819	506464	5508307	395	5/29/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	TR	Disseminated	Moderate	Ankerite	Layered	Weak	irregular qtz carb ank vein, alteration appears layered and has trace pyrite	0.011		<0.5	<5	19	38	TB21148732
QAQC		B732820							CDN-BL-10											CDN-BL-10	<0.005		<0.5	<5	10	27	TB21148732
TT21-032	Vanlas	B732821	506434	5508376	399	5/29/2021	Tommy Clark	Subcrop	Quartz Vein	Medium	White	Glassy	Pyrite	TR	Disseminated	Weak	Ankerite	Layered	Weak	Historic sample #A00348037, weak layered ankerite, vein on cliff. Mostly rubble and vuggy	<0.005		<0.5	<5	20	64	TB21148732
TT21-039	Vanlas	B732822	506258	5508101	392	5/31/2021	Tommy Clark	Outcrop	Intermediate volcanic	Medium	Beige	Vuggy	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Strong	Intermediate volcanic unit sample with large amount silica alteration + close to contact of mafic intrusions.	0.031		<0.5	<5	2	12	TB21148732
TT21-057	Vanlas	B732823	506444	5508164	384	6/3/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Vuggy	Pyrite	1	Disseminated	Weak	Ankerite	Patchy	Weak	qtz carb ank vein, 1% disseminated pyrite	0.005		<0.5	<5	1	14	TB21148732
TT21-066	Vanlas	B732824	506449	5508072	391	6/3/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Sugary	Pyrite	TR	Disseminated	Weak	Ankerite	Pervasive	Weak	qtz carb ank hematite vein sample, trace sulphides	0.317		<0.5	5	54	6	TB21148732
TT21-069	Vanlas	B732825	506508	5508108	393	6/3/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Layered	Moderate	3 meters north of historic sample #A00348073, 5 meters south of historic sample #A00348072. Qtz carb ank vein set, vein sampled was sugary and had 2% disseminated pyrite	0.11		<0.5	5	4	9	TB21148732
TT21-069	Vanlas	B732826	506520	5508109	392	6/3/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Patchy	Moderate	1 foot wide qtz carb ank vein, minor vugs, 2% disseminated pyrite, on mafic intrusion / historic sample #A00348072.	<0.005		<0.5	<5	2	4	TB21148732
TT21-079	Vanlas	B732827	506261	5508208	396	6/4/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Patchy	Moderate	Strong ankerite alteration, 2% disseminated pyrite within sample, mostly qtz carb	<0.005		<0.5	<5	1	9	TB21148732
TT21-079	Vanlas	B732828	506260	5508214	396	6/4/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	TR	Disseminated	Moderate	carbonate	Patchy	Moderate	Smokey grey qtz carb alt with trace disseminated pyrite	0.147		0.5	<5	4	9	TB21148732
TT21-082	Vanlas	B732829	506306	5508307	394	6/4/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Glassy	Pyrite	4	fracture-fill	Strong	Ankerite	Fracture-Fill	Moderate	Qtz ank carb vein, 20-35cm wide, mostly ank alteration with fracture-fill pyrite - Area mostly rubble	<0.005		<0.5	<5	6	120	TB21148732
TT21-082	Vanlas	B732830	506306	5508316	394	6/4/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Fine	Red-Brown	Massive	Pyrite	5	fracture-fill	Strong	Ankerite	Fracture-Fill	Strong	Strong deformation and alteration with host rock, large amount of magnetite and 5% fracture-fill pyrite - Area mostly rubble	0.005		<0.5	<5	15	3	TB21148732
TT21-088	Vanlas	B732831	506897	5508386	383	6/6/2021	Tommy Clark	Outcrop	Quartz Vein	Coarse	White	Glassy	Pyrite	TR	Disseminated	Weak	Ankerite	Layered	Weak	Coarse grained qtz carb ank hem vein, semi irregular D:65 S:213	0.005		<0.5	6	8	46	TB21148732
TT21-066	Vanlas	B732832	506455	5508075	403	6/7/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Fine	Red-Brown	Glassy	Pyrite	1	Disseminated	Moderate	Orthoclase	Patchy	Moderate	Host rock sample, weak to moderate patchy potassic alt + 1% disseminated py	1.135		<0.5	8	6	13	TB21148732
TT21-069	Vanlas	B732833	506515	5508104	392	6/7/2021	Percy Clark	Outcrop	Quartz Vein		White	Glassy		1	Vein Fill	Moderate	Chlorite	Patchy	Weak	8cm qtz-chl-carb-py vn 1% py along vn margins, A00348043 2018 sample	0.594		<0.5	<5	18	26	TB21148732
TT21-069	Vanlas	B732834	506515	5508106	391	6/7/2021	Percy Clark	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	0.5	Vein Fill	Moderate	carbonate	Fracture-Fill	Moderate	5cm qtz-carb-chl-py vn, 0.5% py along margins, proximal to 2018 sample A00343073	0.028		<0.5	<5	4	27	TB21148732
TT21-069	Vanlas	B732835	506521	5508102	394	6/7/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Vuggy	Pyrite	TR	Vein Fill	Moderate	Chlorite	Layered	Moderate	12cm Qtz-chl-carb-py vn trace py along margins	<0.005		<0.5	<5	1	3	TB21148732
TT21-089	Vanlas	B732836	506330	5508326	387	6/7/2021	Percy Clark	Outcrop	Quartz Vein	Aphanitic	White	Wispy	Pyrite	TR	Disseminated	Weak	Ankerite	Halo	Weak	30cm qtz-tor-ank vein, proximalcto historic blast pit, historic sample A0034925, pit visited in 2019, tor laminations	0.008		<0.5	<5	9	34	TB21148732
TT21-089	Vanlas	B732837	506331	5508327	387	6/7/2021	Percy Clark	Outcrop	Quartz Vein	Aphanitic	White	Wispy	Pyrite	0.5	Vein Fill	Weak	Ankerite	Halo	Moderate	30cm qtz-tor-ank vein, proximalcto historic blast pit, historic sample A0034925, pit visited in 2019	0.011		<0.5	<5	2	65	TB21148732
TT21-089	Vanlas	B732838	506336	5508324	387	6/7/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Glassy	Pyrite	TR	fracture-fill	Moderate	Ankerite	Layered	Moderate	Historical sample #A0034925, A00348078, qtz carb tour ank vein, 30 cm wide. trace fracture-fill pyrite.	<0.005		<0.5	7	39	112	TB21148732
TT21-093	Vanlas	B732839	506861	5508325	383	6/8/2021	Tommy Clark	Outcrop	Mafic Volcanic	Fine	Drk Green	Massive	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Moderate	Dark green mafic unit, very hard, strong pervasive silica alteration	1.03		1.4	18	43	90	TB21148732
QAQC		B732840							CDN-GS-1W												<0.005		<0.5	<5	1	3	TB21148732
TT21-093	Vanlas	B732841	506860	5508325	383	6/8/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	1	Blebby	Weak	Ankerite	Fracture-Fill	Weak	Qtz carb ank vein, side of ridge outcrop, possibly pinches out	<0.005		<0.5	<5	1	16	TB21148732
TT21-095	Vanlas	B732842	506823	5508307	385	6/8/2021	Tommy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	NA	NA	NA	Weak	Ankerite	Patchy	Weak	Flat lying odd vein, appears to be discontinuous but shows a large blowout area.	0.012		<0.5	<5	8	7	TB21164878
TT21-108	Lone Jack	B732843	505721	5507628	393	6/23/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Strong	Sample taken between contact of mafic and qfp, qtz carb ank vein with 2% pyrite within vein and wall rock, 95% vein, 5% wall rock.	0.006		<0.5	<5	4	10	TB21164878

TT21-109	Lone Jack	B732844	505735	5507638	393	6/23/2021	Tommy Clark	Float	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	qtz carb ank vein float, most likely in situ along rubbly cliff side in qfp.	0.245		<0.5	<5	21	10	TB21164878
TT21-113	Lone Jack	B732845	505682	5507572	398	6/23/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Fracture-Fill	Weak	qtz ank vein, 3-5 cm wide, within highly altered mafic rock.	0.472		0.8	<5	8	9	TB21164878
TT21-113	Lone Jack	B732846	505692	5507583	397	6/23/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Blebby	Moderate	Ankerite	Pervasive	Moderate	qtz carb ank vein, 10cm wide. mostly sugary texture. historic sample a00348050	0.368		<0.5	<5	9	10	TB21164878
TT21-116	Lone Jack	B732847	505998	5507500	398	6/24/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Strong	Ankerite	Fracture-Fill	Moderate	qtz ank carb vein, fracture fill ankerite alt + disseminated pyrite. vein within both present units.	<0.005		<0.5	<5	11	339	TB21164878
TT21-116	Lone Jack	B732848	506022	5507488	396	6/24/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Moderate	qtz ank tour chl vein, difficult strike / dip, along ridge, 2% disseminated pyrite	0.397		<0.5	<5	6	103	TB21181254
TT21-125	Lone Jack	B732849	505759	5507227		6/26/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Glassy	Pyrite	2	fracture-fill	Intense	Ankerite	Pervasive	Moderate	Qtz ank vein, very strong to intense pervasive ankerite alteration. 2% fracture-fill pyrite within vein margins.	0.013		<0.5	<5	7	156	TB21181254
TT21-125	Lone Jack	B732850	505759	5507227		6/26/2021	Tommy Clark	Outcrop	Intermediate Volcaniclastic	Very Fein	Red-BRown	Glassy	Pyrite	3	Disseminated	Intense	Ankerite	Pervasive	Moderate	Host rock sample of intensely altered possible intermediate volcaniclastic unit. clasts are sparse / weathered, patchy ank alt	<0.005		<0.5	<5	9	104	TB21181254
TT21-133	Lone Jack	B732851	505681	5507377		6/29/2021	Tommy Clark	Outcrop	Felsic Volcaniclastic	Fine	Light Grey	Foliated	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Intense	Highly altered and deformed felsic volcaniclastic unit. silica serc carb chlor alt, 2% disseminated pyrite.	0.221		72.9	<5	4	164	TB21181254
AP21-002b	Lone Jack	B732852	505621	5507357		6/29/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	4	Blebby	Moderate	Calcite	Patchy	Moderate	qtz carb ank vein. large amount of k mica present. 15 cm wide	0.368		<0.5	<5	5	134	TB21181254
TT21-139	Lone Jack	B732853	505737	5507220	402	6/30/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	Blebby	Moderate	Ankerite	Patchy	Moderate	historic samples A0051142, A0051141, A00349185, A00349186, A0051143 Qtz carb ank vein, 5 cm vein.	1.065		<0.5	<5	5	133	TB21181254
TT21-139	Lone Jack	B732854	505734	5507218		6/30/2021	Tommy Clark	Outcrop	Felsic Volcaniclastic	Fine	Buff	Bleached	Pyrite	3	Blebby	Strong	Silica	Pervasive	Strong	host rock unit, felsic volcaniclastic with strong silica and strong patchy ankerite. 3% blebby pyrite within unit.	0.03		0.9	<5	47	24	TB21181254
TT21-141	Lone Jack	B732855	505717	5507233	404	6/30/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz carb ank vein, 3-5 cm vein. 1% disseminated pyrite	<0.005		<0.5	<5	17	70	TB21181254
TT21-142	Lone Jack	B732856	505699	5507251		6/30/2021	Tommy Clark	Outcrop	Felsic Volcaniclastic	Fine	Light Grey	Polymictic	Pyrite	2	Disseminated	Strong	Ankerite	Pervasive	Strong	Felsic volcaniclastic unit sample, 2% disseminated pyrite. Strong ankerite alt, strong pervasive silica.	0.324		<0.5	<5	6	62	TB21181254
TT21-150	Lone Jack	B732857	505720	5507200		7/1/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Silica	Pervasive	Moderate	A0051062 A0051067 historic sample, 5 cm qtz carb ank tour vein, mostly glassy	0.083		<0.5	<5	17	80	TB21181254
TT21-165	Lone Jack	B732858	505495	5507145	402	7/2/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	3	fracture-fill	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz vein sample along blowout of vein, showing 3% fracture-fill and fracture-fill ank	<0.005		<0.5	<5	17	214	TB21181254
TT21-170	Lone Jack	B732859	505484	5507185	422	7/6/2021	Tommy Clark	Outcrop	Intermediate volcaniclastic	Fine	Beige	Polymictic	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Strong	Intermediate volcaniclastic unit, strong silica alteration with moderate patchy ankerite and felsic clasts	0.005		<0.5	<5	11	40	TB21181254
QAQC		B732860							Crush Blank											Crush Blank	<0.005		<0.5	<5	22	48	TB21181254
TT21-172	Lone Jack	B732861	505454	5507172	422	7/6/2021	Tommy Clark	Outcrop	Felsic Volcaniclastic	Very Fine	Beige	Polymictic	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Moderate	Highly altered silica and ankerite felsic volcaniclastic unit, 1% disseminated pyrite, moderate amounts of blebby pyrite appears to weather out.	1.44		1	5	10	200	TB21181254
TT21-173	Lone Jack	B732862	505418	5507177	423	7/6/2021	Tommy Clark	Outcrop	Felsic Volcaniclastic	Very Fine	Red-Brown	Polymictic	Pyrite	1	Disseminated	Strong	Ankerite	Pervasive	Strong	Intensely altered felsic volcaniclastic unit, 1% disseminated pyrite.	0.189		0.5	<5	5	36	TB21181254
TT21-173	Lone Jack	B732863	505411	5507175	421	7/6/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	Disseminated	Strong	Ankerite	Pervasive	Moderate	5-15 cm qtz ank carb vein.	0.011		<0.5	<5	4	7	TB21181254
TT21-176	Lone Jack	B732864	505380	5507194	422	7/6/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Silica	Pervasive	Moderate	Very sugary vein, 2% disseminated pyrite	<0.005		<0.5	<5	5	14	TB21181254
TT21-176	Lone Jack	B732865	505376	5507201	405	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Glassy	Pyrite	TR	Disseminated	Moderate	Ankerite	Patchy	Moderate	10 cm qtz carb ank mag vein, 1% disseminated pyrite, moderate patchy ankerite. fine grained magnetite present in small amounts,	0.005		<0.5	<5	4	110	TB21181254
TT21-177	Lone Jack	B732866	505307	5507227	406	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Qtz ank carb vein sample, 30% host rock, 70% vein. Vein swells to 10 cm wide, 1-2% disseminated pyrite	<0.005		<0.5	<5	5	81	TB21181254
TT21-177	Lone Jack	B732867	505310	5507226	407	7/7/2021	Tommy Clark	Outcrop	Intermediate volcaniclastic	Fine	Red-Brown	Polymictic	Pyrite	5	Blebby	Strong	Ankerite	Pervasive	Moderate	intermediate to felsic volcaniclastic unit, 5% blebby pyrite, possibly 10% more pyrite weathered out, very red-orange.	<0.005		<0.5	<5	3	7	TB21181254
TT21-177	Lone Jack	B732868	505303	5507215	410	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Patchy	Moderate	10 cm wide qtz ank carb mag tour vein, fine grained magnetite and small amounts of tourmaline	<0.005		<0.5	<5	7	126	TB21181254
TT21-178	Lone Jack	B732869	505299	5507235	402	7/7/2021	Tommy Clark	Subcrop	Intermediate volcaniclastic	Fine	Light Grey	Polymictic	Pyrite	5	Blebby	Moderate	Silica	Pervasive	Strong	Host rock sample, highly altered silica + ank, 5-8% blebby pyrite, some weathered out. Possible trace chalcopyrite	<0.005		<0.5	<5	1	3	TB21181254
Tl21-178	Lone Jack	B732870	505300	5507235	414	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz carb ank mag vein, 10cm wide, decent amount of ankerite alt	<0.005		<0.5	<5	4	16	TB21181254
TT21-179	Lone Jack	B732871	505342	5507252	410	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Silica	Patchy	Weak	15 cm qtz carb ank vein, 8+ veins branching off. good channel sample area.	0.009		0.7	<5	3	6	TB21181254
TT21-179	Lone Jack	B732872	505350	5507261	410	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Silica	Patchy	Moderate	5 cm qtz carb ank vein.	<0.005		<0.5	<5	1	4	TB21181254
TT21-180	Lone Jack	B732873	505362	5507244	418	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	White	Vuggy	Pyrite	1	Disseminated	Moderate	Ankerite	Pervasive	Weak	Qtz carb ank mag vein, 5 cm vein. fine grained magnetite present.	0.099		<0.5	<5	3	7	TB21181254
TT21-181	Lone Jack	B732874	505500	5507202	417	7/7/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Glassy	Pyrite	2	Disseminated	Strong	Ankerite	Pervasive	Strong	Strong smokey red brown colour, qtz ank carb vein, 5-8 cm vein	<0.005		<0.5	<5	2	67	TB21195248
TT21-182	Ideal	B732875	507998	5508008	392	7/24/2021	Tommy Clark	Outcrop	Feldspar Porphyry	Fine	Cream	Foliated	Pyrite	1	Disseminated	Intense	Ankerite	Layered	Strong	Qfp sample of shear material. Strong to intense ankerite alteration and silica alt, strongly foliated	0.033		<0.5	<5	6	83	TB21195248
TT21-183	Ideal	B732876	507997	5508024	395	7/24/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	7	Blebby	Intense	Chlorite	Pervasive	Strong	10-15 cm qtz chlor pyr vein with glassy texture and equal amounts chlorite and ankerite alt present. 5% blebby pyrite and 3-4% fine grained disseminated pyrite present. 1-2% blebby chalcopyrite present	0.022		<0.5	<5	77	96	TB21195248
TT21-185	Ideal	B732877	507983	5508045	397	7/25/2021	Tommy Clark	Outcrop	Mafic Volcanic	Fine	Light Grey	Sugary	Pyrite	5	Disseminated	Intense	Silica	Pervasive	Strong	heavily silicified mafic wall rock, strong ankerite alteration abundant disseminated pyrite with minor 2-3% blebby chalcopyrite	0.009		<0.5	<5	2	25	TB21195248
TT21-185	Ideal	B732878	507983	5508046	397	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	3	fracture-fill	Strong	Ankerite	Pervasive	Moderate	smaller vein in vein set, qtz ank chlor py tour, blebby py and chalcopyrite present	0.977		<0.5	<5	28	118	TB21125165
Golden Moose shaft	Golden Moose South	B732901	508014	5507426	390	5/8/2021	Ann Presley	Float	Mafic Volcanic	Fine	Drk Green	Sugary	Pyrite	2	Blebby	Strong	Ankerite	NA	NA	west side of Golden Moose shaft. Mafic volcanic (60%) with mm- to cm-scale qtz veining (40%). Weak ser, alteration present. Blebby mineralization primarily py/cpy (2-5%) throughout host rock and vein; altered blebs of py present. Veins slightly irregul	2.74		<0.5	<5	20	57	TB21125165
east side Golden moose shaft	Golden Moose South	B732902	508020	5507426	390	5/8/2021	Ann Presley	Float	Quartz Vein	Very Fine	Grey	Sugary	Pyrite	2	Vein Fill	Moderate	Ankerite	Patchy	Weak	east side of Golden Moose shaft. 70% vein 30% wr. 2% py found along vein margins and in small clusters. Qtz-ank-py vn	<0.005		<0.5	<5	2	20	TB21125165
AP21-002a	Redeemer East	B732903	510350	5507012	395	5/9/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Subtle	Ankerite	Fracture-Fill	Weak	Glassy bull qtz-chl-ank vn, shallow dipping. Collected from middle of vein.	<0.005		<0.5	<5	2	10	TB21125165
AP21-002b	Redeemer East	B732904	510344	5507007	395	5/9/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Subtle	Ankerite	Fracture-Fill	Weak	Glassy bull qtz-chl-ank vn, shallow dipping. Collected from southern margin of vein.	<0.005		<0.5	<5	5	27	TB21125165
AP21-002b	Redeemer East	B732905	510345	5507021	396	5/9/2021	Ann Presley	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA		Weak	carbonate	Fracture-Fill	Weak	1-2cm qtz-chl-carb vn set, 3 vns occurring over 1m span. Similar orientation and assemblage to AP21-002a.	0.523		<0.5	<5	6	16	TB21125165
AP21-003a	Redeemer East	B732906	510946	5506885	385	5/9/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Sugary	NA	NA	NA	Moderate	carbonate	Pervasive	Weak	90% vn. 5cm qtz-chl-carb vn. Nil sulphides, trending 290/82. Collected 2m S of blast pit. Likely parallel structure.	0.451		<0.5	<5	13	283	TB21125165
AP21-003a	Redeemer East	B732907	510955	5506888	387	5/9/2021	Ann Presley	Float	Quartz Vein	Very Fine	White	Sugary	NA	NA	NA	Moderate	carbonate	Fracture-Fill	Moderate	Float obtained from blast pit, 80% qtz-chl-carb veining, 20%WR. Veining within wr produces semi-stockwork, wr not excessively altered but displays mod pv sil alt. (Similar to Golden Moose shaft.	<0.005		<0.5	17	19	153	TB21125165
AP1-007a	Golden Moose South	B732908	508379	5507337		5/10/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Green	Foliated	Pyrite	3	fracture-fill	Strong	Silica	Pervasive	Strong	Rusted qtz-py-ank seam. Strongly foliated py occuring as fine grain stringers. Sample semi-composite along strike	<0.005		<0.5	5	5	34	TB21125165
AP21-008	Golden Moose South	B732909	508408	5507326	401	5/10/2021	Ann Presley	Outcrop	Quartz Vein	Very Coarse	White	Blocky	NA	NA	NA	Subtle	Ankerite	Patchy	Weak	20-25cm qtz vn blowout, discontinuous. No min. 170/78	0.035		<0.5	<5	36	58	TB21125165
AP21-011	Golden Moose South	B732910	508015	5507114	409	5/11/2021	Ann Presley	Outcrop	Intermediate Volcanic	Very Fine	Drk Green	Massive	Pyrite	4	Blebby	Strong	Silica	Pervasive	Strong	Blebs along string fol. planes. Vn structure included	0.466		<0.5	<5	5	22	TB21125165
AP21-004a	Golden Moose South	B732911	508403	5507366	435	5/12/2021	Ann Presley	Subcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Blebby	Strong	Hematite	Fracture-Fill	Moderate	Vn (95%).10cm qtz-Hem-py vn. min. sulph but evidence of sulph weathering out of rock (rust). Sample is rubble from proximal QFP outcrop. Host rock QFP.	0.187		<0.5	7	4	36	TB21125165
AP21-004a	Golden Moose South	B732912	508406	5507395	356	5/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	1	Disseminated	Strong	Hematite	Fracture-Fill	Strong	10cm wide qtz-hem-chl-py (1%) diss in vein and alt. host rock.	2.4		<0.5	7	5	64	TB21125165
AP21-004b	Golden Moose South	B732913	508406	5507403	393	5/12/2021	Ann Presley	Outcrop	Feldspar Porphyry	Fine	White	Sugary	NA	NA	NA	Moderate	Silica	Pervasive	Moderate	1-2cm qtz flat vn. 70%WR 30% vn	<0.005		<0.5	<5	8	21	TB21125165
AP21-024	Golden Moose South	B732914	508296	5507182	408	5/13/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	0.5	Blebby	Moderate	Silica	Pervasive	Moderate	40% vn, 60% WR. 5cm qtz-ank vn in QFP with other stringers sim ori occurring in close prox.	<0.005		<0.5	<5	10	71	TB21125165
AP21-024	Golden Moose South	B732915	508285	5507189	386	5/13/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Glassy	Pyrite	2	fracture-fill	Strong	Silica	Fracture-Fill	Moderate	3 cm qtz-ank vn. 70% vn, 30% WR. 1% py along margin, 1% diss. in WR.	0.021		<0.5	<5	36	51	TB21125165
AP21-024	Golden Moose South	B732916	508295	5507192	392	5/13/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Green	Massive	Pyrite	3	Disseminated	Moderate	Silica	Pervasive	Strong	Py 2% vn fill, 1% blebby. 30%vn 70%alt WR.	<0.005		<0.5	<5	2	14	TB21125165
AP21-024	Golden Moose South	B732917	508294	5507192	392	5/13/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Glassy	NA	NA	NA	Moderate	Muscovite	Fracture-Fill	Moderate	Taken from qtz blowout proximal to vn set (024a). 100% vn.	0.895		<0.5	5	5	32	TB21125165
AP21-030	Golden Moose South	B732918	508174	5507127	392	5/13/2021	Ann Presley	Float	Quartz Vein	Coarse	White	Breccia	Pyrite	3	Vein Fill	Moderate	Silica	Fracture-Fill	Moderate	Float taken from procimal rubble pile adjacent to GMS tr. Qtz-carb-chl-py vn producing semi-stockwork texture as strgs brecciate HR	0.189		<0.5	5	8	25	TB21125165
AP21-030a	Golden Moose South	B732919	508238	5507111	398	5/13/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Glassy	Pyrite	4	Vein Fill	Moderate	Muscovite	Patchy	Moderate	90% vn, 10% strongly deformed WR. Qtz-chl-musc-py vn.	<0.005		<0.5	<5	19	38	TB21125165
QAQC		B732920							CDN-BL-10											CDN-BL-10	0.082		<0.5	<5	47	144	TB21125165
AP21-030	Golden Moose South	B732921	508228	5507118	401	5/13/2021	Ann Presley	Float	Quartz Vein	Medium	White	Massive	Pyrite	6	Vein Fill	Intense	Chlorite	Pervasive	Strong	Float collected proximal to GMS tr. 60% vn 40% WR	<0.005		<0.5	<5	8	18	TB21125165
AP21-032	Golden Moose South	B732922	508399	5507416	396	5/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Ankerite	Patchy	Moderate	Qtz-chl-ank vn varrying 2cm in width. Flat lining vn with irr ori. 70% vn 30% unaltered QFP.	<0.005		<0.5	<5	3	11	TB21125165
AP21-033	Golden Moose South	B732923	508330	5507256	385	5/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Silica	Pervasive	Moderate	70%vn 30% WR. Flat lying slightly irr Qtz vn 5cm wide	<0.005		<0.5	<5	3	19	TB21125165
AP21-033	Golden Moose South	B732924	508340	5507257	399	5/14/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Vuggy	Pyrite	1	Blebby	Moderate	Ankerite	Fracture-Fill	Moderate	Composite grab sample collected from cross cutting irr vns, 1-2cm width. Carb alt (red-brown) occurring along vn margin. 1% diss Py	0.012		<0.5	<5	408	145	TB21125165
AP21-034a	Golden Moose South	B732925	508334	5507256	402	5/14/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Green	Foliated	Pyrite	1	Along foliation	Strong	Chlorite	Pervasive	Strong	Sample collected along S QFP-MV contact. Vfg py along fol, host rock strongly chl	<0.005		<0.5	<5	7	19	TB21125165
AP21-036	Golden Moose South	B732926	508355	5507130	394	5/14/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Sugary	Pyrite	Trace	NA	Strong	Carbonate	Patchy	Moderate	Sample collected from irr strng vns in QFP. Qtz-carb-chl vn. 60%WR 40% vn. Portions of vn display lrg vuggs	<0.005		<0.5	<5	28	59	TB21125165
AP21-036	Golden Moose South	B732927	508350	5507130	395	5/14/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Vuggy	Pyrite	Trace	Vein Fill	Moderate	Chlorite	Patchy	Moderate	70%vn 30%WR. Irr Qtz-chl vn 3cm wide	<0.005		<0.5	<5	9	29	TB21125165
AP21-040	Red Jay	B732928	510057	5507017	400	5/15/2021	Ann Presley	Subcrop	Mafic Volcanic	Fine	Drk Green	Sugary	Pyrite	1	Disseminated	Moderate	Silica	Pervasive	Not Present	Sample collected from subcrop. Evidence of weathered out sulphides. 1% diss py	<0.005		<0.5	<5	3	22	TB21125165
AP21-040b	Red Jay	B732929	510051	5507024	389	5/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Silica	Pervasive	Weak	Sample collected from outcrop. 6cm flat lying qtz vn branching off E-W vn (Redeemer). 70% vn 30%WR	0.141		<0.5	<5	42	147	TB21125165
AP21-040c	Red Jay	B732930	510052	5507022	393	5/15/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Blebby	Moderate	Chlorite	Pervasive	Weak	Sample taken from AP21-040c. 50% vn 50% WR. Qtz-carb-py vn, chl alt. proximal to vn in WR	0.029		<0.5	<5	54	102	TB21125165
AP21-040d	Red Jay	B732931	510053	5507021	392	5/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Blebby	Moderate	Carbonate	Pervasive	Strong	Sample 50%WR 50% vn. Qtz-carb-chl-py. Semi-stockwork 1-2cm wide vns (Ap21-040d). Evidence of weathered out sulphides	0.013		<0.5	<5	18	138	TB21125165
Red Jay	Red Jay	B732932	510053	5507023	384	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Weak	Saw-ass. grab sample. 40%vn 60% WR. Int. volcanic HR. HR displays strong sil alt., sulph min. mostly in alt. HR	<0.005		<0.5	<5	7	36	TB21125165
Red Jay	Red Jay	B732933	510057	5507022	393	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	Trace	Disseminated	Weak	Carbonate	Patchy	Weak	Spotty carb alt occurring along WR inc./chl. 100% qtz-carb-chl vn. Saw-ass. grab sample	0.064		<0.5	<5	39	80	TB21125165
Red Jay	Red Jay	B732934	510056	5507024	391	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Carbonate	Pervasive	Moderate	30%vn 70% WR. Qtz-carb-chl-ank-py vn. 0.5% diss. py. Saw-ass. sample	0.011		<0.5	<5	6	26	TB21125165
Red Jay	Red Jay	B732935	510056	5507022	393	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	fracture-fill	Weak	Ankerite	Fracture-Fill	Moderate	100% vn. Qtz-chl-ank vn. Saw-ass. grab sample. Sulhpides occur along chl rafts/frc.	0.006		<0.5	<5	4	26	TB21125165
Red Jay	Red Jay	B732936	510047	5507026	393	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Chlorite	Patchy	Weak	100% qtz-chl-ank vn. Saw-ass. grab sample. No visible sulphides	0.025		<0.5	<5	25	134	TB21125165
Red Jay	Red Jay	B732937	510048	5507024	389	5/16/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	1	Blebby	Moderate	Ankerite	Patchy	Moderate	85% cn 15% wr, py min in wallrock and on vein margins as small blebs	0.055		<0.5	<5	7	13	TB21125165
Red Jay	Red Jay	B732938	510057	5507018	397	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Blebby	Moderate	Carbonate	Pervasive	Moderate	Py has rusted halo. 100% qtz-carb-chl vn. Moderate ank alt in WR prox to vn	0.02		1.7	<5	34	323	TB21125165
Red Jay	Red Jay	B732939	510055	5507020	391	5/16/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	3	fracture-fill	Strong	Ankerite	Patchy	Strong	80% vn 20% WR. Strongly deformed, strong oxidation. Sample taken from semi-stockwork vns occurring on N contact of main E-W vn (Red). Potential 0.5% bornite	1.02		1.2	18	42	92	TB21125165
QAQC	CDN-GS-1W	B732940							CDN-GS-1W											CDN-GS-1W	0.028		<0.5	<5	9	63	TB21125165
Red Jay	Red Jay	B732941	510056	5507020	388	5/16/2021	Percy Clark	Outcrop	Quartz Vein	Very Fine	Buff	Glassy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Pervasive	Moderate	95% qtz-CHL VEIN-5% alt WR, just off Red Jay exposure	<0.005		<0.5	<5	11	10	TB21125165
Historic Pit	Historic Pit	B732942	510015	5506638	401	5/17/2021	Ann Presley	Float	Quartz Vein	Coarse	White	Glassy	Pyrite	3	Disseminated	Moderate	Ankerite	Patchy	Moderate	Samples collected from historic blast pit on strike with shaft and Twin Trench	0.878		<0.5	<5	258	34	TB21125165
Twin Trench	East Redeemer	B732943	509970	5506638	410	5/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	4	Disseminated	Moderate	Ankerite	Fracture-Fill	Strong	Qtz-ank-chl-carb-py vn. 80%vn 20% WR. Sulphides appear rusted out. Strongly deformed WR appearing sheared	0.278		0.6	<5	269	28	TB21125165
Twin Trench	East Redeemer	B732944	509970	5506673	414	5/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	4	Disseminated	Moderate	Ankerite	Fracture-Fill	Strong	Qtz-ank-chl-carb-py vn. 80%vn 20% WR. Sulphides appear rusted out. Strongly deformed WR appearing sheared	0.013		<0.5	<5	25	17	TB21125165
Twin Trench	East Redeemer	B732945	509964	5506638	423	5/17/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	2	Vein Fill	Moderate	Ankerite	Patchy	Strong	100% qtz-chl-ank-py vn. Evidence of weathered out sulphides. Vn shows minor vuggs	0.057		<0.5	<5	22	92	TB21125165
Twin Trench	East Redeemer	B732946	509958	5506642	415	5/17/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	3	Disseminated	Strong	Ankerite	Patchy	Strong	50% vn 50% WR. WR strongly deformed. Min occuring in vn and WR. Evidence of weathered out sulphides	0.019		<0.5	<5	19	13	TB21125165
Twin Trench	East Redeemer	B732947	509958	5506638	418	5/17/2021	Ann Presley	Float	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Chlorite	Fracture-Fill	Moderate	Vuggy 100% qtz vn blast rock sample. Vn displays vuggs and rusted spots	0.69		<0.5	<5	13	19	TB21125165
Twin Trench	East Redeemer	B732948	509981	5506633	402	5/17/2021	Ann Presley	Float	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Chlorite	Fracture-Fill	Moderate	Vuggy 100% qtz vn blast rock sample. Vn displays vuggs and rusted spots	<0.005		<0.5	5	61	148	TB21125165
AP21-042	Golden Moose South	B732949	508311	5507335	396	5/18/2021	Percy Clark	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Foliated	Pyrite	1	Blebby	Subtle	Carbonate	Pervasive	Moderate	MVCL, blebby py vfg 1%	<0.005		<0.5	<5	49	137	TB21130522
AP21-047	Golden Moose South	B732950	508250	5507265	398	5/18/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Massive	Pyrite	2	Along foliation	Moderate	Carbonate	Fracture-Fill	Strong	Strongly foliated MVCL. 2-3% py along foliation. Similar to B732949 but finer grain	<0.005		<0.5	<5	1	31	TB21130522
AP21-050	Golden Moose South	B732951	508248	5507240	396	5/18/2021	Ann Presley	Outcrop	Quartz Vein	Medium	White	Sugary	Pyrite	1	Disseminated	Weak	Ankerite	Fracture-Fill	Moderate	40% vn 60% QFP. Sample collected from irr strng vns -->~325	<0.005		<0.5	5	50	81	TB21130522
AP21-053	Golden Moose South	B732952	508218	5507154	406	5/18/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Massive	Pyrite	5	Disseminated	Strong	Carbonate	Pervasive	Moderate	Foliated MV 5% sulphides (1%sph occurring as clusters)	0.604		<0.5	6	64	112	TB21130522
AP21-054	Golden Moose South	B732953	508165	5507126	396	5/18/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	3	Disseminated	Moderate	Carbonate	Pervasive	Moderate	MVCL taken NW of GM S tr. 3% py med. grain euhedral py crystals	<0.005		<0.5	<5	2	11	TB21130522
AP21-055	Golden Moose South	B732954	508143	5507121	391	5/18/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Sugary	NA	NA	NA	Strong	Carbonate	Patchy	Moderate	Qtz-ank-carb. 100% vn. Historic sample #H07482	0.006		<0.5	8	71	78	TB21130522
AP21-058	Golden Moose South	B732955	508124	5507248	397	5/18/2021	Ann Presley	Outcrop	Mafic Volcaniclastic	Aphanitic	Red-Brown	Foliated	Pyrite	1	Disseminated	Intense	Ankerite	Pervasive	Intense	Sample taken from highly oxidized fracture. Evidence of rusted out py. Frac occurring ~2cm wide --> 238Â°	0.819		<0.5	<5	17	83	TB21130522
AP21-061	Golden Moose South	B732956	508300	5507407	374	5/20/2021	Ann Presley	Outcrop	Mafic Volcanic	Fine	Drk Green	Foliated	NA	NA	NA	Weak	Carbonate	Patchy	Strong	Proximal to blast pit. Evidence of weathered out sulphides. Strongly deformed MV with strong foliation. 60% vn 40% WR	0.007		<0.5	<5	26	87	TB21130522
AP21-061	Golden Moose South	B732957	508302	5507408	394	5/20/2021	Ann Presley	Outcrop	Mafic Volcanic	Medium	Drk Green	Quartz eyes	NA	NA	NA	Weak	Carbonate	Halo	Strong	Evidence of weathered out sulphides. Strongly foliated. Sample taken proximal to blast pit. 1.5m qtz vn zone 1-10cm vn width.	<0.005		<0.5	<5	5	152	TB21148732
Blast Pit	Vanlas	B732959	506520	5508443	401	6/7/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	5	Blebby	Moderate	Ankerite	Pervasive	Moderate	Qtz-ank-py-chl vn. 60% vn 40% WR. 5% blebby py. Sample taken from historic pit	0.016		<0.5	<5	2	85	TB21148732
QAQC	Crush Blank	B732960							Crush Blank												<0.005		<0.5	<5	15	48	TB21130522
AP21-062	Golden Moose South	B732961	508335	5507356	380	6/8/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Glassy	Pyrite	1	fracture-fill	Moderate	Silica	Pervasive	Weak	MV, 1% py fracture-fill/diss, pseduo-chert due to sil alt	<0.005		<0.5	<5	8	116	TB21148732
GMS Trench	Golden Moose South	B732962	508190	5507122	393	5/23/2021	Ann Presley	Outcrop	Mafic Volcanic	Fine	Green-Grey	Quartz eyes	Pyrite	Trace	Disseminated	Moderate	Silica	Pervasive	Weak	Int. mafic host rock sample taken proximal to qtz vn but not contact	0.011		<0.5	<5	7	47	TB21130522
GMS Trench	Golden Moose South	B732963	508198	5507131	388	5/23/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	20	Disseminated	Strong	Ankerite	Pervasive	Moderate	Qtz-ank-chl-py vn 0.1-1.2m varying width. 80% vn 20% WR	3.58	3.47	0.7	12	7	23	TB21130522
GMS Trench	Golden Moose South	B732964	508194	5507119	385	5/23/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz-ank-chl-musc-py vn. 1% diss py along fractures. 90% vn 10% WR. Vn varries 0.1-1.2m wide. Crack-seal texture	1.075		<0.5	7	9	41	TB21130522
GMS Trench	Golden Moose South	B732965	508195	5507167	406	5/23/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	Cream	Glassy	Pyrite	3	Disseminated	Strong	Ankerite	Pervasive	Moderate	Qtz-ank-chl-musc-py vn. 90% vn 10% WR. 3% diss. py. Vn varries 0.1-1.2m wide	3.11	3.68	0.7	22	18	64	TB21130522
GMS Trench	Golden Moose South	B732966	508215	5507121	400	5/23/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	0.5	Disseminated	Weak	Chlorite	Pervasive	Moderate	10cm qtz-chl-py vein, 0.5% diss py, sample collected in GMS Tr	0.104		<0.5	5	6	18	TB21130522
GMS Trench	Golden Moose South	B732967	508216	5507118	397	5/23/2021	Ann Presley	Outcrop	Intermediate Volcanic	Fine	Drk Green	Massive	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Moderate	Strongly sil IV (QFP?). Sample collected on S side of vein	0.077		<0.5	<5	21	40	TB21130522
GMS Trench	Golden Moose South	B732968	508218	5507120	407	5/23/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	1	Disseminated	Moderate	carbonate	Patchy	Moderate	10-15 cm qtz-carb-chl, golden moose trench vein.	0.355		<0.5	<5	7	57	TB21130522
GMS Trench	Golden Moose South	B732969	508223	5507117	406	5/23/2021	Tommy Clark	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Massive	Pyrite	Trace	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Wall rock sample, mafic grey with grungy brown ankerite alteration. trace pyrite disseminated within host rock. Golden moose trench	0.025		<0.5	<5	23	106	TB21130522
AP21-077	Golden Moose South	B732970	508050	5507139	400	6/8/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Massive	Pyrite	3	Blebby	Strong	Carbonate	Pervasive	Weak	MV 3% blebby sulphides as euhedral grains and small clusters, strong carb alt	<0.005		<0.5	<5	5	77	TB21148732
AP21-077	Golden Moose South	B732971	508049	5507143	400	6/8/2021	Percy Clark	Float	Quartz Vein	Coarse	White	Vuggy	Pyrite	1	Blebby	Moderate	Chlorite	Patchy	Weak	float sample, angular qtz-chl-musc-py, 1% bleb py, abundant vugs	0.007		<0.5	<5	133	53	TB21148732
AP21-081	Golden Moose South	B732972	507943	5507030	399	6/9/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Red-Brown	Amygdaloidal	NA	NA	NA	Strong	Ankerite	Fracture-Fill	Strong	Sample taken from possible shear structure. Strong ank alt, no sulphides	<0.005		<0.5	6	64	84	TB21148732
AP21-086	Golden Moose South	B732973	507952	5507116	401	6/9/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	3	Disseminated	Strong	Silica	Pervasive	Moderate	Strongly sil alt MV with diss euhedral py grains, occurring as localized clusters	0.01		<0.5	<5	8	49	TB21148732
QV Rubble pile (Larson Arm)	Larson Arm	B732974	511565	5507754	392	6/10/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Patchy	Weak	Qtz-tourm-ank vn 30cm wide (305/54). Strong ank oxidization proximal to margins. 95%vn 5% alt WR.	<0.005		<0.5	<5	5	39	TB21159440
AP21-088	Golden Moose South	B732975	507937	5507194	395	6/10/2021	Ann Presley	Outcrop	Quartz Vein	Fine	Light Grey	Porphyritic	Pyrite	2	Disseminated	Weak	Carbonate	Fracture-Fill	Weak	Qtz-ank-carb-py vn (298/74). 60% vn 40% WR. Diss py clusters. Weak carb alt along vn margin	<0.005		<0.5	<5	9	44	TB21159440
AP21-088	Golden Moose South	B732976	507936	5507203	397	6/10/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-carb-py vn. 60% vn 40% WR. 1% diss py.	<0.005		<0.5	<5	6	92	TB21159440
AP21-088	Golden Moose South	B732977	507935	5507187	403	6/10/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	Trace	Disseminated	Moderate	Ankerite	Patchy	Weak	Qtz-ank vn, slightly irr., width varies ~5cm. 95% vn 5% WR	0.013		0.5	<5	2	28	TB21159440
AP21-088	Golden Moose South	B732978	507941	5507194	411	6/10/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Halo	Moderate	Qtz-ank flat-lying vn. 5cm wide. 90% vn 10% WR	>10.0	1.63	<0.5	<5	9	53	TB21159440
SE Van Horne	HW 443 Target	B732979	511445	5504654	372	6/11/2021	Ann Presley	Float	Felsic Intrusive	Coarse	Brown	Porphyritic	Pyrite	1	Disseminated	Weak	Hematite	Pervasive	Weak	Sample collected from clear cut in S part of property. Float but due to abundance of similar litho boulders, likely prox. source. 40% vn 60% WR	<0.005		<0.5	<5	8	37	TB21159440
QAQC	CDN-GS-7H	B732980							CDN-GS-7H												6.24	6.7	0.8	6460	53	71	TB21159440
Banana Pit	Banana Pit	B732981	509133	5507426	396	6/12/2021	Ann Presley	Float	Mafic Volcanic	Very Fine	Beige	Welded	Pyrite	3	Blebby	Intense	Silica	Pervasive	Moderate	Float 20% Qtz-tourm vn 80% WR. Intense sil alt welded grains. 3% blebby py	<0.005		<0.5	13	2	33	TB21159440
Banana Pit	Banana Pit	B732982	509100	5507427	397	6/12/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Vuggy	NA	NA	NA	Moderate	Chlorite	Patchy	Moderate	Qtz-chl-musc vn taken from float. 100% vn. Blebby chl alt	<0.005		<0.5	<5	2	41	TB21159440
Banana Pit	Banana Pit	B732983	509097	5507418	397	6/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Moderate	Silica	Pervasive	Moderate	Qtz-chl vn taken from irr semi-flat lying vn.	<0.005		<0.5	<5	2	35	TB21159440
Banana Pit	Banana Pit	B732984	509096	5507416	397	6/12/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Vuggy	Pyrite	1	Blebby	Moderate	Chlorite	Patchy	Moderate	100% vein, sample collected from banana pit wallrock, flat lying qtz-chlCarb-py vn, py occuring along chl clusters	<0.005		<0.5	<5	1	31	TB21159440
Banana Pit	Banana Pit	B732985	509100	5507413	392	6/12/2021	Ann Presley	Outcrop	Intermediate Volcanic	Fine	Light Green	Massive	Pyrite	3	Blebby	Intense	Silica	Pervasive	Strong	70% intensly altered IV possible felsic volcanic, 30% qtz-carb veinlets, 3% bleb py in host rock	<0.005		<0.5	<5	5	16	TB21159440
Red East pit	Redeemer East	B732986	510934	5506864	397	6/12/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Glassy	NA	NA	NA	Moderate	Chlorite	Fracture-Fill	Moderate	Flat lying qtz-ank-chl vn N of Red. E pit. 90% vn 10% WR. Nil sulphides. 012Â°/28Â°	<0.005		<0.5	<5	19	49	TB21159440
Red East pit	Redeemer East	B732987	510949	5506882	385	6/12/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Sugary	Pyrite	0.5	Disseminated	Weak	Ankerite	Halo	Weak	Qtz-ank-chl vn collected from Red. E pit-a. 60%vn 40%WR. 0.5% sulphides. Mm-scale veinlets in HR	0.083		<0.5	<5	11	30	TB21159440
Red East pit	Redeemer East	B732988	510951	5506884	386	6/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	0.5	Disseminated	Strong	Silica	Pervasive	Strong	Qtz-chl-ank vn. 40% highly sil WR. 60% vn. Sample taken from irr vn in Red E pit.	0.038		<0.5	<5	11	106	TB21159440
AP21-091	Golden Moose South	B732989	508352	5507343	396	6/13/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Green	Massive	Pyrite	3	Disseminated	Moderate	Silica	Pervasive	Moderate	MV unit, mod def. 3% diss py. Aph from strong sil alt.	<0.005		<0.5	<5	9	24	TB21159440
AP21-096	Redeemer East	B732990	510954	5507073	376	6/14/2021	Percy Clark	Outcrop	Mafic Volcanic	Medium	Drk Green	Massive	NA	NA	NA	Weak	Ankerite	Halo	Weak	5cm qtz vn within possible Mafic int, 200/48	0.007		<0.5	<5	18	74	TB21159440
AP21-097a	Redeemer East	B732991	510966	5506872	385	6/14/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Blocky	NA	NA	NA	Subtle	Ankerite	Halo	Weak	1-25cm bull qtz vn, 162/60	<0.005		<0.5	<5	1	9	TB21159440
NA	Redeemer East	B732992	511006	5506844	391	6/14/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Disseminated	Weak	Ankerite	Halo	Weak	Float sample. Angular MV boulder 50% qtz-chl-musc-py vn, 50% WR. 5cm wide vn	<0.005		<0.5	<5	10	117	TB21159440

NA	Redeemer East	B732993	511001	5506860	388	6/14/2021	Ann Presley	Float	Quartz Vein	Medium	White	Sugary	NA	NA	NA	Strong	Muscovite	Patchy	Moderate	Float qtz-carb-musc-py vn. 60%vn 40% WR. WR possible metased, proximal?	<0.005		<0.5	<5	35	34	TB21159440
AP21-103	Redeemer East	B732994	510960	5506887	392	6/14/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Breccia	NA	NA	NA	Intense	Silica	Pervasive	Intense	Pseudo-stckwrk qtz vn brecciating WR. OG grain size alt by sil. 10m E of Red E pit	0.124		<0.5	<5	39	262	TB21159440
AP21-103	Redeemer East	B732995	510964	5506891	398	6/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	Trace	Disseminated	Intense	Silica	Pervasive	Weak	Qtz-chl-py-carb vn. 70% vn 30% WR. Weak carb alt. Irr vn. Evidence of rusted out sulphides. 3m E of Red E pit	0.006		<0.5	<5	13	98	TB21159440
AP21-103	Redeemer East	B732996	510962	5506887	390	6/14/2021	Percy Clark	Outcrop	Mafic Volcanic	Fine	Drk Grey	Foliated	Pyrite	2	Disseminated	Weak	Ankerite	Fracture-Fill	Weak	sample collected from less altered mv along contaxt of qtz veined zone (B732994, B732995)	<0.005		<0.5	<5	58	200	TB21159440
AP21-104	Redeemer East	B732997	510950	5506888	393	6/15/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	Light Grey	Sugary	NA	NA	NA	Moderate	Carbonate	Pervasive	Moderate	Qtz-carb-chl vn, 40% vn 60% WR. Mod fol from bt grains. Strng vns	<0.005		<0.5	<5	24	79	TB21159440
AP21-104	Redeemer East	B732998	510949	5506884	390	6/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Strong	Carbonate	Pervasive	Moderate	Qtz-carb-chl-ank vn. 2-5cm wide, evidence of rusted out sulphides. Prox to Red E pit	0.005		<0.5	<5	11	34	TB21159440
AP21-104	Redeemer East	B732999	510950	5506886	392	6/15/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Massive	Pyrite	4	Disseminated	Strong	Carbonate	Pervasive	Strong	MV strong carb+sil alt, semi-stckwrk qtz vning. 4% diss py clusters	0.34		<0.5	<5	19	85	TB21159440
QAQC	CDN-BL-10	B733000							CDN-BL-10												<0.005		<0.5	<5	17	36	TB21159440
AP21-107	Redeemer East	B733001	510917	5506861	392	6/15/2021	Percy Clark	Outcrop	Quartz Vein	Coarse	White	Glassy	NA	NA	NA	Moderate	Chlorite	Patchy	Weak	flat lying qtz-chl vn, cg bull qtz	<0.005		<0.5	<5	1	6	TB21159440
AP21-108	Redeemer East	B733002	510931	5506886	390	6/15/2021	Ann Presley	Outcrop	Mafic Intrusive	Aphanitic	Drk Grey	Massive	NA	NA	NA	Moderate	Carbonate	Halo	Moderate	MI with qtz strngs. 70% WR 30% vn. Similar structure to Red E pit	0.767		<0.5	<5	34	527	TB21159440
AP21-108	Redeemer East	B733003	510929	5506896	392	6/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Carbonate	Halo	Moderate	Qtz-carb-chl vn. 90% vn 10% WR. Vn varies 4-12cm wide	0.077		<0.5	<5	18	68	TB21159440
Twin trench	Twin Trenches	B733004	509955	5506637	410	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-chl vn. 100%vn. Chl wisps. Evidence of rusted out sulphides. Far W of twin trench, main structure	0.669		<0.5	<5	14	20	TB21159440
Twin trench	Twin Trenches	B733005	509965	5506644	411	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Coarse	White	Vuggy	NA	NA	NA	Moderate	Chlorite	Patchy	Moderate	Qtz-ank-chl-musc vn. 90% vn 10%WR. Irr flat lying vn prox to main structure. Evidence of rusted out sulphides	<0.005		<0.5	<5	14	39	TB21159440
Twin trench	Twin Trenches	B733006	509965	5506639	415	6/17/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Aphanitic	White	Sugary	NA	NA	NA	Intense	Silica	Pervasive	Moderate	Intense sil alt QFP. Mod ank+bt alt. Evidence of rusted out sulphides. WR taken W side of main structure	0.048		<0.5	<5	5	13	TB21159440
Twin trench	Twin Trenches	B733007	509974	5506633	410	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Strong	Ankerite	Pervasive	Moderate	Taken from sheared main structure. 40% qtz-ank-musc-chl vn 60% sil alt MV. Rusted sulphides	2.34		0.6	<5	72	113	TB21159440
Twin trench	Twin Trenches	B733008	509970	5506640	412	6/17/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Massive	Pyrite	2	Along foliation	Strong	Ankerite	Patchy	Moderate	MV ank+sil+chl+musc alt along fol/vuggs. 2% py along fol in WR. Rusted out sulphides along fol.	0.286		<0.5	<5	84	71	TB21159440
Twin trench	Twin Trenches	B733009	509980	5506630	415	6/17/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Silica	Pervasive	Moderate	MV WR W of trench. Strong musc alt along fol. 3% diss py.	0.036		<0.5	<5	50	117	TB21159440
Twin trench	Twin Trenches	B733010	509976	5506643	408	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Ankerite	Patchy	Weak	Qtz-ank-musc-chl vn. 100% vn taken from E side of main structure. Nil sulphides	0.933		<0.5	<5	21	16	TB21159440
Twin trench	Twin Trenches	B733011	509986	5506638	412	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Weak	Ankerite	Patchy	Weak	Qtz-ank vn. 100% vn taken from main structure. Nil sulphides	0.029		<0.5	<5	13	19	TB21159440
Twin trench	Twin Trenches	B733012	509984	5506629	409	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	3	Blebby	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-chl vn. 80%vn 20% alt WR. Blebby 3% py in WR. Evidence of rusted out sulphides in vn	1.18		<0.5	<5	50	64	TB21159440
Twin trench	Twin Trenches	B733013	509986	5506635	414	6/17/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	3	Blebby	Moderate	Carbonate	Pervasive	Strong	100% qtz-carb-ank-chl-Musc/ser-py vein 3% bleb py along laminatioms in vn, evidence of additonal weather/rusted sulphides, east end twin trench,	0.054		<0.5	<5	32	27	TB21159440
AP21-111	Twin Pit	B733014	510055	5506636	409	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Blebby	Strong	Silica	Pervasive	Moderate	Irr qtz vn prox to historic pit. 2% sulphides (1.5 py, 0.5 cpy). 70%vn 30%WR	0.591		<0.5	<5	139	31	TB21159440
AP21-111	Twin Pit	B733015	510057	5506638	409	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Blebby	Strong	Silica	Pervasive	Moderate	Irr qtz vn prox to historic pit. 2% sulphides. 70%vn 30%WR	0.463		<0.5	<5	30	34	TB21159440
AP21-112	Hutchinson South	B733016	503470	5508605	401	6/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	Drk Green	Glassy	NA	NA	NA	Moderate	Chlorite	Patchy	Moderate	Qtz-chl-epdt vn, 50%vn 50% chl-alt WR. 2cm wide irr vn	<0.005		<0.5	<5	<1	72	TB21159440
AP21-113	Hutchinson South	B733017	503469	5508671	392	6/18/2021	Ann Presley	Outcrop	Quartz Vein	Very Fine	White	Vuggy	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Moderate	Qtz-chl-carb-py flat lying vn. 60%vn 40% strong sil alt WR. Vn produces alt halo in WR	0.005		<0.5	<5	337	25	TB21159440
AP21-115	Wilson Target Area	B733018	506745	5505109	421	6/17/2021	Ann Presley	Outcrop	Felsic Intrusive	Aphanitic	Light Grey	Massive	Pyrite	2	Blebby	Strong	Silica	Pervasive	Moderate	FI with 2% blebby cubic py. 20% irr qtz vn, weak patchy ank alt.	<0.005		<0.5	<5	55	3	TB21159440
AP21-115	Wilson Target Area	B733019	506750	5505110	420	6/18/2021	Ann Presley	Outcrop	Felsic Intrusive	Aphanitic	Light Grey	Vuggy	Pyrite	3	Blebby	Strong	Silica	Pervasive	Moderate	FI with 3%py clusters prox to ank alt. 30% qtz strng in sample	<0.005		<0.5	7	12	4	TB21159440
QAQC	CDN-GS-1W	B733020							CDN-GS-1W												1.085		1.4	16	40	89	TB21159440
AP21-117	Wilson Target Area	B733021	506745	5505084	416	6/18/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Patchy	Strong	Carbonate	Pervasive	Moderate	MV 1% py prox to 2cm qtz-carb-py vn margins	0.008		<0.5	<5	225	59	TB21159440
AP21-118	Wilson Target Area	B733022	506711	5504950	412	6/18/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-chl vn, 2cm wide. Collected along strike of vn	<0.005		<0.5	<5	8	10	TB21159440
AP21-119	Wilson Target Area	B733023	506705	5504896	412	6/18/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz-ank-bt-chl-musc irr vn 4cm wide. 70%vn 30%WR. 2%py as blebs along vn mrgn+diss in WR	0.005		<0.5	6	23	20	TB21159440
AP21-120	Wilson Target Area	B733024	506720	5504839	422	6/18/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Ankerite	Patchy	Weak	Qtz-ank-chl vn 3cm wide, nil sulphides.	<0.005		<0.5	<5	2	9	TB21159440
AP21-121	Wilson Target Area	B733025	506688	5504956	424	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	glassy	Pyrite	0.5	Blebby	Moderate	Ankerite	Halo	Moderate	Collected from flat lying qtz-ank-bt-chl vn. 0.5% blebby py along vn margin	<0.005		<0.5	<5	3	25	TB21159440
AP21-121	Wilson Target Area	B733026	506691	5504959	411	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Blebby	Strong	Ankerite	Pervasive	Moderate	Qtz-ank-py vn 4cm wide. 2% py in vn, 1% diss py in WR	<0.005		<0.5	<5	97	34	TB21159440
AP21-121	Wilson Target Area	B733027	506681	5504960	408	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	6	Blebby	Moderate	Ankerite	Pervasive	Moderate	Qtz-chl-ank-py vn 12cm wide. 3% blebby in vn along chl laminae, 3% para strngr in WR. 60%WR, 40%vn	<0.005		<0.5	5	104	34	TB21159440
AP21-121	Wilson Target Area	B733028	506685	5504959	410	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Blebby	Strong	Ankerite	Halo	Moderate	Qtz-ank-chl-py vn. 100%vn. Same vn as sample 026,027	<0.005		<0.5	<5	16	4	TB21159440
S shear	Wilson Target Area	B733029	506717	5504368	410	6/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	2	Disseminated	Strong	Silica	Fracture-Fill	Moderate	Channel cut MV 1m shear zone. 2% diss py strng along frcts, rusted out sulphides in frcts.	<0.005		<0.5	<5	96	202	TB21159440
S shear	Wilson Target Area	B733030	506712	5504365	407	6/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	4	Disseminated	Strong	Silica	Fracture-Fill	Strong	Channel cut MV 1m shear zone. 4% diss py frct-fill along fol. Frct-fill sil alt	<0.005		<0.5	5	318	353	TB21159440
W shear	Wilson Target Area	B733031	506422	5504858	415	6/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	4	fracture-fill	Strong	Ankerite	Fracture-Fill	Strong	MV shear 60cm wide. Strong sil frct-fill alt. 4% py blebs along fol. Same channel as 031,032,033	0.007		<0.5	<5	216	538	TB21159440
W shear	Wilson Target Area	B733032	506421	5504854	411	6/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Foliated	Pyrite	5	fracture-fill	Strong	Ankerite	Halo	Strong	MV shear 60cm wide. Strong sil frct-fill alt. 5% py blebs along fol. Same channel as 031,032,033	<0.005		<0.5	7	129	329	TB21159440
W shear	Wilson Target Area	B733033	506418	5504856	413	6/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Foliated	Pyrite	4	fracture-fill	Strong	Ankerite	Halo	Strong	MV shear 60cm wide. Strong sil frct-fill alt. 4% py blebs along fol. Same channel as 031,032,033	0.007		<0.5	<5	196	642	TB21159440
Moose crop	Wilson Target Area	B733034	506112	5505270	403	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Blebby	Moderate	Ankerite	Patchy	Moderate	Channel cut 6cm Qtz-ank-py vn. 60%vn 40% WR. Diss py in WR, diss cubic py in WR. Ank alt in fractures (vuggy). Evidence of weathered out py. Cubic py in vn	<0.005		<0.5	<5	16	31	TB21159440
Moose crop	Wilson Target Area	B733035	506112	5505268	398	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Disseminated	Weak	Ankerite	Patchy	Moderate	Channel cut 6cm Qtz-ank-py vn. 40%vn 60% WR. Diss py in vn, diss cubic py in WR. Ank alt in fractures (vuggy). Evidence of weathered out py. Cubic py in vn	0.005		<0.5	5	16	36	TB21159440
Moose crop	Wilson Target Area	B733036	506107	5505267	401	6/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	5	Disseminated	Weak	Ankerite	Halo	Moderate	Irr 7cm qtz-ank-py vn set. 5% diss cubic py in WR+vn. 40%vn 60% WR. Strong sil alt in WR	0.005		<0.5	5	5	23	TB21159440
AP21-122	Lone Jack	B733037	505591	5507446	418	6/20/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	Red-Brown	Sugary	Pyrite	0.5	Disseminated	Strong	Ankerite	Patchy	Moderate	Qtz-ank-chl-py 1cm vn collected from 1.5m vn set. 0.5% py. 80%vn 20% WR. Some vuggs	0.007		<0.5	5	3	44	TB21159440
AP21-123	Lone Jack	B733051	505558	5507790	390	6/23/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Medium	Light pink	Welded	Pyrite	10	Disseminated	Strong	Orthoclase	Pervasive	Strong	QFP w 10% diss cubic py, cm-scale cubic py in vuggs/vns. Sample 40% glassy qtz, 60% alt WR	5.38	5.89	<0.5	<5	14	1125	TB21164878
AP21-123	Lone Jack	B733052	505552	5507783	388	6/23/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Fine	Light pink	Welded	Pyrite	1	Along foliation	Strong	Orthoclase	Pervasive	Strong	K-alt QFP. 70%vn 30%WR. 0.5% diss py+cpy in WR and along vn margin, 1% blebby along foliation	0.051		<0.5	<5	22	60	TB21164878
AP21-123	Lone Jack	B733053	505559	5507789	404	6/23/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Medium	Light pink	Welded	Pyrite	2	Disseminated	Strong	Orthoclase	Pervasive	Strong	QFP w cm-scale qtz vns. 60%WR 40% vn. 2% diss py along vn margin	1.085		<0.5	<5	25	81	TB21164878
AP21-123	Lone Jack	B733054	505552	5507781	403	6/23/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Medium	Light pink	Foliated	Pyrite	2	Disseminated	Strong	Orthoclase	Pervasive	Strong	Foliated QFP, 40% qtz vns 60% alt WR. 2% diss cubic py. Deformed, possibly close to contact	0.427		<0.5	<5	38	53	TB21164878
AP21-123	Lone Jack	B733055	505553	5507809	404	6/23/2021	Ann Presley	Outcrop	Feldspar Porphyry	Aphanitic	Drk Grey	Quartz eyes	Pyrite	1	Blebby	Moderate	Carbonate	Pervasive	Strong	Strng alt porphyroclastic unit. 0.5-1cm qtz eyes (fsp?) occur prox to QFP contact. Intense surf ank alt	0.032		<0.5	5	81	122	TB21164878
AP21-125a	Lone Jack	B733056	505562	5507744	388	6/23/2021	Ann Presley	Outcrop	Mafic Volcaniclastic	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Strong	Fol MVCL with qtz-ank-py cm-scale vns. 0.5% diss py in WR. 20%vn 80%WR	1.32		<0.5	<5	6	54	TB21164878
Slice Crop - e	Lone Jack	B733057	504750	5507581	403	6/24/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Qtz-ank-py vn 6cm wide. 2% diss py in WR. 40%vn 60%WR. Vn on S extent of SC	2.31		0.7	9	26	31	TB21164878
AP21-126	Lone Jack	B733058	505587	5507760	392	6/23/2021	Ann Presley	Outcrop	Quartz-feldspar porphyry	Medium	Light pink	Foliated	Pyrite	0.5	Disseminated	Strong	Orthoclase	Pervasive	Moderate	QFP w cm-scale qtz vns. 0.5% diss py in alt WR. Evidemce of rusted sulphides along vn margin. 30%vn 70%WR	0.07		<0.5	<5	7	20	TB21164878
AP21-126	Lone Jack	B733059	505596	5507752	398	6/23/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	0.5	Disseminated	Strong	Orthoclase	Pervasive	Strong	qtz-ank cm-scale vns. 70%vn 30%WR. 0.5% diss py in alt WR.	0.16		<0.5	<5	7	23	TB21164878
QAQC	Crush Blank	B733060							Crush Blank												<0.005		<0.5	<5	12	43	TB21164878
AP21-127	Lone Jack	B733061	505578	5507396	419	6/24/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Blocky	NA	NA	NA	Strong	Ankerite	Patchy	Moderate	Qtz-ank-ser 3-10cm vn. Slightly irr ori consistent with 300deg vns.	1.125		1.4	<5	4	14	TB21164878
21-80 Area	Lone Jack	B733062	505566.265	5507433.364	417	6/25/2021	Percy Clark	Outcrop	Quartz Vein	Fine	Light Grey	Foliated	Pyrite	2	Blebby	Strong	Silica	Pervasive	Moderate	60% qtz-ank-py vn 40% sil alt fvcl, 0.5cm py blebs in wr, saw grab sample	2.06		0.6	20	15	37	TB21164878
21-80 Area	Lone Jack	B733068	505522	5507416	415	6/25/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Medium	Light Grey	Porphyritic	Pyrite	1	Disseminated	Weak	Silica	Pervasive	Weak	saw grab sample, 30% qtz-ank-pt vn, 70% course qfp, large porphs, 1-5cm vns, saw grab sample	0.079		<0.5	<5	18	119	TB21164878
21-80 Area	Lone Jack	B733069	505528	5507419	416	6/25/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Medium	Light Grey	Porphyritic	Pyrite	1	Disseminated	Weak	Ankerite	Fracture-Fill	Weak	saw grab sample, 10% qtz-ank-tor-py vn, 90% qfp large porphs	0.029		<0.5	<5	32	40	TB21164878
21-80 Area	Lone Jack	B733070	505524	5507416	416	6/25/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Medium	Light Grey	Porphyritic	Pyrite	1	Blebby	Weak	Ankerite	Fracture-Fill	Weak	saw grab sample, 10% qtz-ank 90% qfp, py occuring as clusters of 2mm belbs	0.077		<0.5	<5	26	45	TB21164878
21-80 Area	Lone Jack	B733071	505532	5507412	416	6/25/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Medium	Light Grey	Porphyritic	Pyrite	1	Blebby	Weak	Ankerite	Halo	Weak	saw grab sample, 10% qtz-ank 90% qfp, py occuring as clusters of 2mm belbs	0.034		<0.5	<5	35	52	TB21164878
21-80 Area	Lone Jack	B733072	505529	5507412	416	6/25/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Medium	Light Grey	Porphyritic	Pyrite	1	Blebby	Moderate	Ankerite	Patchy	Moderate	saw grab sample, 20% qtz-ank vn 80% mod altered qfp, sulpides occ as blebs in wr	0.017		<0.5	<5	34	65	TB21164878
TT21-173	Lone Jack	B733073	505416	5507167	418	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-bt vn 30cm wide. 80%vn 20%WR. Evidence of rusted sulphides.	<0.005		<0.5	<5	1	26	TB21181254
TT21-173	Lone Jack	B733074	505417	5507177	418	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Ankerite	Patchy	Moderate	Qtz-ank-chl vn set 1.3m wide. Evidence of rusted out sulphides. Irr chl frct-fill on vn margins indicates syn-def emplacement of vns.	<0.005		<0.5	<5	2	16	TB21181254
TT21-175	Lone Jack	B733075	505418	5507176	420	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Blebby	Strong	Ankerite	Patchy	Moderate	Qtz-ank-chl-py vn 3cm wide. 2% blebby py in WR. Evidence of rusted out cubic py grains. 60%vn 40%WR	2.09		1.1	<5	6	43	TB21181254
TT21-174	Lone Jack	B733076	505419	5507187	417	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Moderate	Chlorite	Fracture-Fill	Strong	Qtz-chl-bt vn, 70%vn 30%WR. Crack-seal texture of rusted out sulphides. Chl whisps in WR along vn margins.	0.007		<0.5	<5	1	42	TB21181254
TT21-176	Lone Jack	B733077	505382	5507205	419	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Weak	Ankerite	Fracture-Fill	Moderate	Qtz-ank vn 4-5cm wide , 95%vn 5%WR. Nil sulphides	0.007		<0.5	<5	2	29	TB21181254
TT21-176	Lone Jack	B733078	505378	5507192	423	7/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz-ank vn, 100% vn. 0.5% diss py. Mod ank	1.15		<0.5	<5	2	6	TB21181254
Red W	Redeemer West	B733079	508702	5507196	383	7/11/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Blebby	Strong	Carbonate	Pervasive	Strong	Qtz-chl-ank-py vn, 30cm wide. Py blebs localized to chl patches. Carb alt along vn mrg+WR. 70%vn 30%WR. Taken from historic pit	<0.005		<0.5	<5	21	153	TB21181254
QAQC	QAQC	B733080							CDN-GS-7H												7	6.55	1	6620	52	71	TB21181254
Red W	Redeemer West	B733081	508697	5507192	371	7/11/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Glassy	Pyrite	4	Blebby	Strong	Carbonate	Pervasive	Strong	Qtz-ank-chl-py vn, 100%vn. 4% blebby py. Prox float taken from historic blast pit	<0.005		<0.5	9	25	129	TB21181254
Lone jack	Lone Jack	B733082	505730	5507580	396	7/12/2021	Ann Presley	Outcrop	Intermediate Volcaniclastic	Fine	Light Grey	Monomictic	Pyrite	1	Blebby	Moderate	Silica	Pervasive	Moderate	IVCL hosting qtz-carb vn, 60%WR 40%vn . 5cm irr vn collected S side of trail. 1% blebby py in WR	<0.005		<0.5	<5	6	84	TB21181254
AP21-128	Lone Jack	B733083	505293	5507750	389	7/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-chl vn, nil sulphides. 2cm wide x 20cm long. 100%vn	<0.005		<0.5	<5	5	15	TB21181254
AP21-128	Lone Jack	B733084	505302	5507741	388	7/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Moderate	Chlorite	Fracture-Fill	Moderate	Qtz-chl-ank vn, irr veinlet set. Nil sulphides. 100% vn	0.019		<0.5	<5	2	19	TB21181254
Star Exposure	Star Exposure	B733085	503411	5507406	386	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Blebby	Strong	Silica	Pervasive	Moderate	Qtz-chl-py vn, 80%vn 20% sil alt WR. Py 2% blebby, 1% diss in WR. Channel grab	0.099		<0.5	<5	10	20	TB21187621
Star Exposure	Star Exposure	B733086	503403	5507406	389	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	5	Blebby	Strong	Ankerite	Halo	Strong	Qtz-ank-py-chl vn, 70% vn 30% WR. Channel grab	1.545		0.6	<5	43	39	TB21187621
Star Exposure	Star Exposure	B733087	503392	5507420	403	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Disseminated	Strong	Ankerite	Halo	Weak	Qtz-ank-py-tourm vn, 80%vn 20% mineralized WR. Channel grab. Rusty patches	0.674		0.5	<5	87	79	TB21187621
Star Exposure	Star Exposure	B733088	503395	5507417	401	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Disseminated	Strong	Ankerite	Halo	Moderate	Qtz-ank-py-tourm vn, 60%vn 40% mineralized WR. Py becomes blebby prox to vn. Channel grab	0.46		<0.5	8	17	212	TB21187621
Star Exposure	Star Exposure	B733089	503396	5507423	399	7/14/2021	Percy Clark	Outcrop	Mafic Volcanic	Fine	Drk Grey	Foliated	Pyrite	3	Disseminated	Weak	Chlorite	Pervasive	Weak	100% WR sample, weak foliation defined by aligned grains, py occ as blebs ame disseminsted	0.161		<0.5	13	76	351	TB21187621
Star Exposure	Star Exposure	B733090	503392	5507418	405	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Blebby	Strong	Ankerite	Halo	Moderate	Qtz-ank-py-tourm vn, 80%vn 20%WR. Cubic py in WR + vn. Channel grab. Rusted patches	7.64	7.49	5.5	19	197	111	TB21187621
Star Exposure	Star Exposure	B733091	503397	5507418	398	7/14/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Drk Grey	Foliated	Pyrite	10	fracture-fill	Strong	Carbonate	Pervasive	Moderate	MV 10% py(7% frct-fill/diss in WR+3% blebby prox vn margin). Mod ank alt in qtz vn. 80%WR 20%vn. Channel sample	>10	139	17.8	42	94	125	TB21187621
Star Exposure	Star Exposure	B733092	503397	5507412	400	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	5	Disseminated	Moderate	Albite	Fracture-Fill	Moderate	Qtz-alb-py-tourm vn. 60%WR 40%vn. 5% diss cubic py. Channel sample	9.97	9.54	2	28	46	113	TB21187621
Star Exposure	Star Exposure	B733093	503397	5507420	398	7/14/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	4	Disseminated	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz-ank-py-tourm vn, 70%vn 30% WR. Diss py in WR, blebby prox to tourm+qtz margins. Channel sample	>10.0	7.68	1.7	11	39	89	TB21187621
Historic "T" Trenches	Star Area	B733094	503335	5507486	402	7/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Blebby	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-tourm-py vn 2-3cm wide. 1% blebby py in sil alt WR. 60%vn 40% WR. Taken from historic trench	1.045		<0.5	<5	34	152	TB21187621
Historic "T" Trenches	Star Area	B733095	503339	5507484	398	7/16/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Foliated	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Moderate	MV 2% diss cubic py. Mod fol, strng sil alt. Evidence of rusted out sulphides. Taken from historic trench	0.461		<0.5	12	48	521	TB21187621
Historic "T" Trenches	Star Area	B733096	503334	5507487	407	7/16/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Intense	MV, 1% diss py. Wk carb alt, strng sil alt. Dendritic tourm. Taken from S side of historic trench shear zone.	0.053		<0.5	<5	16	31	TB21187621
Historic "T" Trenches	Star Area	B733097	503327	5507490	400	7/16/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite	Trace	Disseminated	Strong	Silica	Pervasive	Strong	MV sample taken from bottom of historic trench. Strng sil alt+def. Mod ank alt.	0.013		<0.5	<5	39	110	TB21187621
Historic "T" Trenches	Star Area	B733098	503342	5507495	398	7/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Intense	Silica	Pervasive	Strong	Qtz-tourm vn. 40%vn 60% mineralized, intense sil alt WR. 0.5% diss py in WR. Taken from historic trench	0.348		0.5	<5	4	23	TB21187621
Historic "T" Trenches	Star Area	B733099	503343	5507499	389	7/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Blebby	Moderate	Ankerite	Pervasive	Moderate	Qtz-ank-tourm-py vn, 100%vn. Ank alt along vn mrgn, crack-seal tourm. 1% blebby py along vn mrgn. Taken from historic trench	2.23		<0.5	<5	68	50	TB21187621
QAQC	QAQC	B733100			385	7/16/2021			CDN-BL-10												<0.005		<0.5	<5	19	39	TB21187621
North Star Exposure	North Star Exposure	B733101	503323	5507520	390	7/16/2021	Percy Clark	Outcrop	Intermediate Volcanic	Very Fine	Grey	Schistose	Pyrite	20	Semi-Massive	Moderate	Carbonate	Patchy	Intense	intense shear striking almost N-S sampled in 2018 ran 0.198, 20% semi-massive pyrite, qtz veins crosscutting	0.204		0.7	10	12	97	TB21187621
North Star Exposure	North Star Exposure	B733102	503322	5507515	394	7/16/2021	Percy Clark	Outcrop	Quartz-feldspar porphyry	Very Fine	Light Grey	Glassy	Pyrite	3	Semi-Massive	Moderate	Carbonate	Patchy	Strong	300â° qtz-carb-plag-py-tor vn, py occuring along vn margins and in host rock, cpy present 1%	0.409		0.5	8	13	70	TB21187621
North Star Exposure	North Star Exposure	B733103	503335	5507496	394	7/16/2021	Percy Clark	Outcrop	Intermediate Volcanic	Very Fine	Grey	Foliated	Pyrite	15	Disseminated	Strong	Ankerite	Halo	Strong	weakly sheared IV, py increasing near vn margins, 20% qtz-tor-ank-plag-py	0.333		<0.5	8	36	184	TB21187621
North Star Exposure	North Star Exposure	B733104	503334	5507502	393	7/16/2021	Percy Clark	Outcrop	Intermediate Volcanic	Very Fine	Grey	Foliated	Pyrite	15	Disseminated	Strong	Ankerite	Halo	Strong	10% qtz-ank-py vn, py % increasing with proximity to vn, healed shr	0.015		<0.5	<5	36	221	TB21187621
North Star Exposure	North Star Exposure	B733105	503338	5507503	393	7/16/2021	Percy Clark	Outcrop	Intermediate Volcanic	Very Fine	Light Grey	Foliated	Pyrite	10	Disseminated	Strong	Ankerite	Halo	Strong	40% qtz-tor-plag/ank-py in sample, 60%shr host rock, py occuring in all forms, cpy tr , sph tr	4.44	4.9	<0.5	12	21	93	TB21187621
North Star Exposure	North Star Exposure	B733106	503329	5507493	392	7/16/2021	Percy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Foliated	Pyrite	6	fracture-fill	Intense	Ankerite	Pervasive	Intense	65% qtz-Ank-py-tor vn, 35% sheared wr intensly ank alt, evidence of abundamt weathered out sulphides, comp. sample with 107	>10.0	12.7	1.6	12	73	27	TB21187621
North Star Exposure	North Star Exposure	B733107	503336	5507504	393	7/16/2021	Percy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Vuggy	Pyrite	10	Semi-Massive	Intense	Ankerite	Pervasive	Intense	50% qtz-ank-tor-py vn, 50% shr wr evidence of abundant wearhered out sulphides. composite sample with 106	>10.0	46.7	2.7	19	42	29	TB21187621
North Star Exposure	North Star Exposure	B733108	503328	5507501	388	7/16/2021	Ann Presley	Outcrop	Intermediate Volcanic	Aphanitic	Light Grey	Vuggy	Pyrite	20	Vug-fill	Strong	Ankerite	Pervasive	Intense	IV shear zone. 20% vug-fill py. Vugs elongated w foliation. Rusted sulphides. Channel grab sample	0.604		1.8	20	20	55	TB21187621
North Star Exposure	North Star Exposure	B733109	503332	5507504	393	7/16/2021	Ann Presley	Outcrop	Intermediate Volcanic	Aphanitic	Brown	Vuggy	Pyrite	5	Vug-fill	Strong	Ankerite	Pervasive	Intense	IV shear zone. 5% py in vugs; most vugs rusted/weathered out. Vugs elongated w foliation. Channel grab sample	0.285		0.7	27	17	17	TB21187621
North Star Exposure	North Star Exposure	B733110	503336	5507501	395	7/22/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Weak	Ankerite	Patchy	Moderate	Qtz-tourm-ank vn, 2cm wide. Nil sulphides. Tourm crack-seal texture.	0.041		<0.5	<5	11	11	TB21187621
Wilkinson Occurrence	Wilkinson Occurrence	B733111	505640	5505894	395	7/22/2021	Percy Clark	Outcrop	Mafic Volcanic	Fine	Drk Grey	Amygdaloidal	Pyrite	4	Patchy	Moderate	Carbonate	Pervasive	Weak	collected prox to hist blast pit along oxidized seams in MV host. py % increased with proximity to oxidized seams	0.015		<0.5	<5	71	150	TB21195248
Larson Arm	AP21-129	B733112	511131	5508082	363	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Weak	Sericite	Fracture-Fill	Weak	Qtz-ser-tourm vn 20-25cm wide. 100%vn. Nil sulphides. Some rusty patches along mrgn. Taken at historic sample location.	<0.005		<0.5	<5	3	7	TB21195248
Larson Arm	AP21-129	B733113	511130	5508085	363	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	5	Blebby	Moderate	Ankerite	Fracture-Fill	Moderate	Qtz-tourm-py-ank-musc vn. 100% vn. Blebby patches of cubic py. Fibrous tourm	<0.005		<0.5	<5	14	19	TB21195248
Larson Arm	AP21-130	B733114	510994	5508134	372	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Chalcopyrite	8	Blebby	Strong	Ankerite	Patchy	Intense	Qtz-ank-cpy-py-mal-az vn ~1m wide. Blebby cpy+py ass w az+mal. Some rusted patches. 100%vn	5.67	5.03	95.1	<5	11200	394	TB21195248
Larson Arm	AP21-130	B733115	510993	5508130	372	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Chalcopyrite	3	Blebby	Strong	Ankerite	Patchy	Intense	Qtz-ank-cpy-py-mal-az vn, ~1m wide. Rusted patches. 100%vn	>10.0	14.6	55.7	<5	6080	396	TB21195248
Larson Arm	AP21-130	B733116	510995	5508132	372	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Strong	Ankerite	Patchy	Strong	Qtz-ank-tourm vn 50-100cm wide. 95%vn 5% fol WR. Nil sulphides	0.064		1	<5	86	27	TB21195248
Larson Arm	AP21-130	B733117	510994	5508134	374	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Strong	Ankerite	Patchy	Strong	Qtz-ank-tourm vn. 100% vn. Nil sulphides. Rusted patches	0.01		<0.5	<5	62	36	TB21195248
Larson Arm	AP21-130	B733118	510994	5508135	372	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Strong	Ankerite	Patchy	Strong	Qtz-ank-bt-chl vn. 95%vn 5%WR. Nil sulphides. Rusty patches	<0.005		<0.5	<5	15	15	TB21195248
Larson Arm	AP21-130	B733119	510992	5508134	372	7/22/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Chalcopyrite	10	Mottled	Intense	Ankerite	Patchy	Intense	Qtz-ank-cpy-az-mal-ser vn. 100%vn. Hem staining. Historic JP occur. Prox to B733116	2.95		80.2	8	21700	562	TB21195248
QAQC		B733120							CDN-GS-1W												0.005		<0.5	<5	38	37	TB21195248
Larson Arm	AP21-130	B733121	510992	5508134	372	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	NA	NA	NA	Moderate	Ankerite	Patchy	Strong	Qtz-ank-chl vn. 90%vn 10%WR. Nil sulphides. Vuggy qtz	0.015		1.9	<5	385	16	TB21195248
Larson Arm	Ahearn	B733122	511425	5507948	381	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	1	Blebby	Weak	Ankerite	Patchy	Intense	Flat lying Qtz-ank-py vn 10-20cm wide. 95%vn 5%WR. Taken from historic Ahearn	0.277		<0.5	<5	22	49	TB21195248
Larson Arm	Ahearn	B733123	511426	5507949	382	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Disseminated	Moderate	Sericite	Fracture-Fill	Intense	Qtz-ser-ank-py vn 2-15cm wide. 100% vn, taken from historic Ahearn	0.006		<0.5	<5	21	49	TB21195248
Larson Arm	Ahearn	B733124	511433	5507943	382	7/26/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	Moderate	Hematite	Patchy	Intense	Flat lying Qtz-hem-chl vn, 100%vn. Taken from historic Ahearn	0.213		<0.5	<5	47	36	TB21195248
Larson Arm	Ahearn	B733125	511425	5507950	382	7/26/2021	Ann Presley	Outcrop	Felsic Volcanic	Fine	Beige	Foliated	Pyrite	2	fracture-fill	Moderate	Ankerite	Patchy	Intense	FV strng def. Py frct-fill. Hem staining. Mod ank+ser alt. Taken along strike from B733126 in historic Ahearn	0.239		0.8	5	15	44	TB21195248
Larson Arm	Ahearn	B733126	511420	5507953	381	7/26/2021	Ann Presley	Outcrop	Felsic Volcanic	Fine	Light Green	Foliated	Pyrite	3	Blebby	Strong	Ankerite	Patchy	Intense	FV. 20% qtz strng 80% strong def WR. Taken along strike from B733125 in historic Ahearn	0.006		<0.5	<5	24	48	TB21195248
Larson Arm	Ahearn	B733127	511448	5507947	379	8/8/2021	Ann Presley	Outcrop	Felsic Volcanic	Aphanitic	Drk Grey	Welded	Pyrite	5	Blebby	Strong	Silica	Pervasive	Strong	FV w ank, musc, qtz alt. 5% py, 2% blebby cpy. Evidence of rusted sulphides. Hem staining. Strng def. Same as B733128. 20% vn 80% WR. Min prox to qtz vn	0.113		0.8	<5	138	112	TB21211081
Larson Arm	Ahearn	B733128	511445	5507950	379	8/8/2021	Ann Presley	Outcrop	Felsic Volcanic	Aphanitic	Drk Grey	Welded	Pyrite	4	Blebby	Strong	Silica	Pervasive	Strong	FV w ank, musc, qtz alt. 4% py, 1% blebby cpy. Evidence of rusted sulphides. Hem staining. Strng def. Same as B733127. 10%vn 90% WR	1.205		1.7	5	134	103	TB21211081
Larson Arm	Ahearn	B733129	511439	5507943	382	8/8/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Blebby	Strong	Ankerite	Semi-pervasive	Strong	Qtz-ank-musc-tourm-py from Ahearn occur. 100% vn. Prox to B733127-128	<0.005		<0.5	<5	43	30	TB21211081
West side Hwy502	Highway 502	B733130	504062	5506264	384	8/12/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Foliated	Pyrite	2	Disseminated	Strong	Ankerite	Patchy	Strong	MV intense sil alt. Cubic py. Carb-qtz vning. Chl frct-fill. W side of 502. Taken from shear 2m wide	<0.005		<0.5	<5	90	75	TB21221952
West side Hwy502	Highway 502	B733131	504074	5506280	380	8/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	Cream	Glassy	Pyrite	1	Disseminated	Intense	Carbonate	Patchy	Strong	Qtz-carb-ank-chl-py vn 2-3cm wide. 70%vn 30% def WR. 0.5% diss py in vn mrgn, 0.5% diss in fol WR. Strng def WR. Taken from 2m wide highly sheared zone. Prox to B733130	0.005		<0.5	<5	19	31	TB21221952
West side Hwy502	Highway 502	B733132	504060	5506268	381	8/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Weak	Ankerite	Patchy	Moderate	Qtz-carb-chl-tourm-ank-py. Wk ank alt in vugs/prox to tourm-chl patches. Diss py prox to tourm+chl. 100%vn 20cm wide. Taken from W side of 502	0.006		<0.5	<5	6	9	TB21221952
West side Hwy502	Highway 502	B733133	504069	5506260	380	8/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Disseminated	Subtle	Carbonate	Patchy	Strong	Qtz-carb-py-chl vn 3cm wide. 30%vn 70% fol WR. Diss cubic py (1-7mm) in vn and WR. Taken from sheared zone of carb veinlets ~1m wide. W side of 502	0.007		<0.5	<5	55	104	TB21221952
West side Hwy502	Highway 502	B733134	504076	5506202	381	8/12/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Welded	Pyrite	2	Disseminated	Strong	Carbonate	Pervasive	Strong	Steng def MV. Strng sil alt. Qtz-carb-chl-py veinlets .5-1cm wide, 10% of sample. 4% diss cub euh py grains 1-5mm wide. Taken prox to def 1.5m wide zone, prox to B733135. Taken from W side of 502	0.01		0.5	<5	101	56	TB21221952
West side Hwy502	Highway 502	B733135	504063	5506217	379	8/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	4	Disseminated	Strong	Carbonate	Patchy	Strong	Qtz-carb-ser-py-chl vns 0-2cm wide from def. area 1.5m wide. 4% Blebby/diss py in vn and fol WR. W side of 502	0.012		0.8	<5	463	53	TB21221952
East side of Hwy502	Highway 502	B733136	504091	5506285	385	8/12/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	Cream	Foliated	Pyrite	4	Disseminated	Strong	Carbonate	Patchy	Strong	Qtz-carb-chl-py def vn 25cm wide. Taken from 0.5m wide deformed veinlet zone. Diss py in WR. East side of 502.	<0.005		<0.5	<5	49	99	TB21221952

AP21-132	Highway 502	B733137	503851	5507568	418	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-tourm-py vn 7cm wide. Rusted out cubic py grains. 3% diss cubic py. Mod ank alt in vn. Hosted in MV	0.252		<0.5	10	35	17	TB21221952
AP21-132	Highway 502	B733138	503847	5507589	390	8/13/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Grey	Foliated	Pyrite	5	Blebby	Strong	Silica	Pervasive	Moderate	MV 5% diss/blebby cubic py grains 1-5mm. some py along fol.Trace cpy? Rusted out sulphides.	0.3		<0.5	<5	43	96	TB21221952
AP21-132	Highway 502	B733139	503850	5507579	390	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	1	Disseminated	Strong	Ankerite	Patchy	Moderate	Qtz-ank-py vn 20 cm wide. 1% diss py along vn mrgn. Some rusted sulphides. 100% vn.Prox to B733141.	0.347		<0.5	<5	11	20	TB21221952
	QAQC	B733140							Crush Blank												<0.005		<0.5	<5	11	40	TB21221952
AP21-132	Highway 502	B733141	503841	5507602	381	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-chl-py vn 20cm wide. Some rusty patches. 1% diss py near vn mrgns. Taken prox to B733139	0.042		<0.5	<5	3	16	TB21221952
AP21-132	Highway 502	B733142	503846	5507591	387	8/13/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Green	Welded	Pyrite	5	Disseminated	Moderate	Ankerite	Pervasive	Moderate	MV strng sil alt. 5% diss cubic py in 1cm wide seams. Rysty patches. Taken prox to B733143	0.15		<0.5	8	1	74	TB21221952
AP21-132	Highway 502	B733143	503843	5507590	387	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	4	Blebby	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-ser-chl-py-tourm vn taken from vn zone 30-100cm wide. 4% diss/blebby py. 100% vn. Rusted seems.Prox to B733142.	0.966		<0.5	6	16	43	TB21221952
AP21-132	Highway 502	B733144	503845	5507586	389	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Strong	Ankerite	Patchy	Moderate	Qtz-ank-py-fuch irr cross-cut brecciated vns 5cm wide. Rusted out sulphides. Prox to B733145	0.101		0.5	5	4	59	TB21221952
AP21-132	Highway 502	B733145	503848	5507587	396	8/13/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Blebby	Strong	Ankerite	Patchy	Moderate	Qtz-ank-musc-py vn 30-100cm wide brecciated vn zone. 1% diss py along vn mrgns. Rusty patches	0.04		<0.5	<5	4	27	TB21221952
AP21-132	Highway 502	B733146	503824	5507553	388	8/13/2021	Percy Clark	Outcrop	Intermediate Volcanic	Medium	Light Grey	Schistose	Pyrite	8	Disseminated	Moderate	Carbonate	Pervasive	Strong	30cm wide qtz-carb-fusc-py-ank veined zone. 40%vn 60%wr proximal wallrock displays abundant py as 3mm euhedral crystals, wr displayong mod carb weak sil	2.17		0.5	9	23	92	TB21221952
AP21-132	Highway 502	B733147	503820	5507556	388	8/13/2021	Percy Clark	Outcrop	Quartz Vein	Fine	Light Green	Schistose	Pyrite	8	Disseminated	Moderate	Carbonate	Pervasive	Moderate	30cm wide qtz-carb-fusc-py-ank veined zone. 50%vn 50%wr proximal wallrock displays abundant py as 3mm euhedral crystals, wr displayong mod carb weak sil	1.3		0.5	12	30	90	TB21221952
AP21-133	Highway 502	B733148	503831	5507565	387	8/13/2021	Percy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Carbonate	Patchy	Weak	8cm qtz-carb-py vn sample 100% vn	0.046		<0.5	<5	79	95	TB21221952
AP21-132	Highway 502	B733149	503836	5507582	389	8/13/2021	Percy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	1	Vein Fill	Moderate	Ankerite	Halo	Moderate	5cm qtz-Ank-carb vn 300/58.	0.044		<0.5	<5	28	9	TB21221952
Star Area South East	SE Star Area	B733150	503033	5507283	392	8/13/2021	Percy Clark	Outcrop	Intermediate Volcaniclastic	Fine	Light Green	Monomictic	Pyrite	2	Disseminated	Moderate	Carbonate	Pervasive	Weak	weak silica alt, mod carb alt, 1cm elongate clasts rare, 1% diss py 1% bleb py	<0.005		<0.5	<5	15	110	TB21221952
Lone Pine	Lone Pine	B733151	501442	5508874	390	8/15/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Disseminated	Strong	Ankerite	Patchy	Moderate	Qtz-ank-chl-tourm-py float from sil alt MV rubble. 5mm chl books. 2% diss/blebby py. 100% vn sample.	<0.005		<0.5	<5	11	29	TB21221952
Lone Pine	Lone Pine	B733152	501442	5508862	390	8/15/2021	Ann Presley	Outcrop	Intermediate Volcanic	Aphanitic	Light Green	Foliated	Pyrite	Trace	fracture-fill	Moderate	Carbonate	Pervasive	Moderate	Strongly fol IV w 0.5-2cm wide 35% carb vnlets. Ecidence of rusted py.	<0.005		<0.5	<5	111	88	TB21221952
Lone Pine	Lone Pine	B733153	501495	5508786	405	8/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	Trace	Disseminated	Strong	Carbonate	Pervasive	Moderate	Qtz-carb-chl vn 1-5cm wide. Vuggy texture. Evidence of rusted sulphides	0.005		<0.5	<5	43	45	TB21221952
AP21-135	Lone Pine	B733154	501317	5508747	391	8/15/2021	Percy Clark	Outcrop	Quartz Vein	Very Fine	White	Glassy	NA	NA	NA	Subtle	Hematite	Patchy	Weak	irr qtz blowout vn bull qtz	<0.005		<0.5	<5	1	<2	TB21221952
Lone Pine	Lone Pine	B733155	501318	5508747	390	8/15/2021	Ann Presley	Outcrop	Intermediate Volcanic	Aphanitic	Light Green	Foliated	Pyrite	0.5	Disseminated	Moderate	Silica	Pervasive	Strong	IV mod sil alt. 0.5% frct-fill py. Strong chl alt. Rusted patches/frct fill. Prox to irr bull qtz vn	<0.005		<0.5	<5	60	80	TB21221952
Lone Pine Trail	Lone Pine	B733156	501575	5508486	394	8/15/2021	Percy Clark	Float	Quartz Vein	Fine	Drk Grey	Glassy	Pyrite	3	Patchy	Moderate	Ankerite	Halo	Moderate	flaot along trial qtz-tor-carb-ank-py	<0.005		<0.5	<5	8	12	TB21221952
AP21-137	Turtle Pit	B733157	503765	5508026	386	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Blebby	Strong	Sericite	Semi-pervasive	Moderate	Qtz-ser-ank-py-cpy vn 30cm wide. 2% py 1% blebby cpy. Wk carb alt. 70% vn 30% fol WR. Taken from historic pit	0.183		<0.5	<5	13	40	TB21221952
AP21-137	Turtle Pit	B733158	503765	5508020	388	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	2	Blebby	Strong	Ankerite	Fracture-Fill	Moderate	Qtz-ank-ser-py vn 30 cm wide. 100% vn. Steong ser alt.Taken from east side of pit.	0.509		<0.5	<5	15	52	TB21221952
AP21-137	Turtle Pit	B733159	503766	5508022	390	8/16/2021	Ann Presley	Outcrop	Deformation zone	Aphanitic	Light Brown	Foliated	Pyrite	3	Disseminated	Strong	Silica	Pervasive	Strong	Def zone 60cm wide. 3% diss/blebby py. Strng ser alt. 20%vn 80%WR. Taken from historic pit, prox to B733158 and B733157. Evidence of rusted sulphides	0.349		<0.5	<5	18	74	TB21221952
	QAQC	B733160							CDN-GS-7H												6.64	7.48	0.9	6100	51	69	TB21221952
AP21-137	Turtle Pit	B733161	503764	5508023	390	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	NULLSugary	Pyrite	3	Blebby	Intense	Ankerite	Patchy	Strong	Qtz-ank-py-chl vn 30cm wide. 3% blebby/diss/frct-fill py. Taken from W side of pit. 100%vn. Strong ser alt. Evidence of rusted sulphides.	0.098		<0.5	8	10	53	TB21221952
AP21-137	Turtle Pit	B733162	503759	5508026	389	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Strong	Qtz-ank-carb-py-ser vn on strike w pit. 100% vn. 1% diss py. Mod-strong def. Mod-strong ank alt.	0.594		0.6	<5	6	65	TB21221952
AP21-137	Turtle Pit	B733163	503751	5508023	390	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Strong	Ankerite	Layered	Strong	Qtz-ank-py-tourm vn 30cm wide.2% diss py. Layered strong ank alt. On strike w pit.	0.344		<0.5	<5	5	72	TB21221952
AP21-137	Turtle Pit	B733164	503759	5508028	390	8/16/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	4	Blebby	Strong	Carbonate	Patchy	Strong	Qtz-carb-py-ser-tourm vn 30cm wide in 60cm def zone. Rusted sulphides. Taken from S margin, on strike with pit. Increase in py content from previous sample	0.285		<0.5	<5	8	44	TB21221952
AP21-137	Turtle Pit	B733165	503758	5508023	390	8/16/2021	Ann Presley	Outcrop	Deformation zone	Aphanitic	Beige	Foliated	Pyrite	4	Disseminated	Strong	Carbonate	Patchy	Strong	Def zone w 4% diss+blebby py. Taken from W side of pit, S contact of vn, along strike of put.	1.485		0.7	5	39	94	TB21221952
AP21-137	Turtle Pit	B733166	503761	5508024	388	8/16/2021	Percy Clark	Float	Quartz Vein	Coarse	White	Glassy	Pyrite	2	Blebby	Moderate	Ankerite	Patchy	Moderate	qtz-carb-py-ser vn, blast rock sample collected proximal to pit	0.033		0.6	<5	4	45	TB21221952
AP21-138	Highway 502	B733167	504004	5507546	391	8/17/2021	Ann Presley	Outcrop	Intermediate Volcanic	Aphanitic	Cream	Massive	Pyrite	6	Disseminated	Moderate	Ankerite	Layered	Moderate	IV in contact w qtz-ank-ser-chl vn. 4% diss+frct-fill cubic py. Strong perv sil alt with 1.5cm intense sil alt zone. Mod Ank alt near mrgns. 2% rusted cubic sulphides	1.515		0.8	11	21	10	TB21221952
AP21-138	Highway 502	B733168	504005	5507541	391	8/15/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	Trace	Disseminated	Weak	Ankerite	Patchy	Moderate	Qtz-ank-ser- chl vn 4cm wide w irr ori. Evidence of rusted sulph+hematite staining. 100% vn.	0.079		<0.5	<5	5	5	TB21221952
AP21-138	Highway 502	B733169	504010	5507554	389	8/17/2021	Ann Presley	Outcrop	Intermediate Volcanic	Fine	Green-Grey	Vuggy	Pyrite	2	Disseminated	Strong	Carbonate	Pervasive	Strong	IV w vugs filled with euhedral carb crystals. 2% diss py in vn and WR. Mod perv ank alt near vn margin. 60% mineralized WR 40% qtz-carb-ank-py vn. Mod ser alt in HR. Taken prox to historic pit	3.82	2.73	<0.5	<5	4	18	TB21221952
AP21-138	Highway 502	B733170	504012	5507550	390	8/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Carbonate	Pervasive	Strong	Qtz-carb-chl-ser-py vn. Strong ser alt. Strong fol in WR. 80% vn 20% WR. Evidence of rusted sulphides. Mod chl alt.	0.445		<0.5	<5	8	24	TB21221952
AP21-138	Highway 502	B733171	504004	5507553	390	8/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	2	Disseminated	Moderate	Carbonate	Pervasive	Moderate	Qtz-carb-ser-chl-py vn 15cm wide. 100% vn. Mod semi-perv ser alt. 2% diss cubic py grains along fol.	0.318		<0.5	<5	11	20	TB21221952
AP21-138	Highway 502	B733172	504011	5507547	391	8/17/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	Pyrite	4	Blebby	Strong	Ankerite	Patchy	Weak	Float prox to blast pit. Qtz-ank-chl-py vn. 100% vn. 4% blebby-diss cubic py. Evidence of rusted sulphides	5.94	5.4	0.5	5	7	16	TB21221952
AP21-138	Highway 502	B733173	504010	5507552	389	8/17/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Blebby	Moderate	Carbonate	Pervasive	Moderate	Float taken prox to historic pit. Qtz-carb-ank-chl-py-ser vn. 100% vn. Patchy/frct-fill mod ank alt. 3% blebby-diss cubic py grains	0.319		<0.5	<5	3	12	TB21221952
AP21-138	Highway 502	B733174	504010	5507552	390	8/17/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	Pyrite	8	Blebby	Moderate	Carbonate	Pervasive	Moderate	Float taken prox to historic pit. Qtz-carb-ank-chl-py vn. 100% vn. Mod patchy ank alt. 8% diss cubic py grains. Evidence of rusted sulphides.	>10.0	9.35	0.7	53	11	38	TB21221952
AP21-138	Highway 502	B733175	504004	5507556	390	8/17/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	Pyrite	8	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Float taken prox to historic pit. 100% Qtz-carb-ank-chl-py-ser vn sample. 8% diss/blebby cubic py. Mod patchy ank alt. Evisence of rusted sulphides.	3.89	3.87	0.8	16	13	30	TB21221952
AP21-138	Highway 502	B733176	504002	5507552	392	8/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	0.5	Disseminated	Weak	Ankerite	Patchy	Weak	Qtz-ank-chl-py vn 5-15cm wide slihtly irr vn. 100% vn. Few rusted grains.	0.026		<0.5	<5	1	2	TB21221952
AP21-138	Highway 502	B733177	504007	5507551	395	8/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Blebby	Moderate	Ankerite	Patchy	Moderate	Qtz-ank-py-chl vn 5-15cm. Small vugs in vn. Strong alt along margins. 3% diss cubic py preferentially aligned.	0.918		<0.5	<5	1	4	TB21221952
Ideal Area	Ideal	B733178	507135	5508741	388	8/18/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	NA	NA	NA	NA	NA	NA	Weak	Bull qtz vn 1m wide. Shallow dipping	0.046		<0.5	<5	1	<2	TB21221952
Hutchison Pit	North Ideal	B733179	507665	5508736	386	8/18/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Glassy	Pyrite	3	Disseminated	Moderate	Sericite	Halo	Moderate	Float qtz-ser-chl-bt-py vn in contact with FV. 3% diss cubic py in WR. Ser halo prox to vn mrgn. Hem staining, strong sil alt. Taken from historic Hutchison pit.	0.006		<0.5	<5	12	31	TB21221952
	QAQC	B733180							CDN-BL-10												<0.005		<0.5	<5	18	36	TB21221952
Hutchison Pit	North Ideal	B733181	507667	5508731	386	8/18/2021	Percy Clark	Outcrop	Felsic Volcanic	Fine	Light Grey	Welded	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Strong	strong sil flooding with bleached texture near weathered surface, py vfg and mg	0.012		<0.5	<5	7	23	TB21221952
Hutchison Pit	North Ideal	B733182	507662	5508734	389	8/18/2021	Percy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	4	Blebby	Strong	Ankerite	Halo	Strong	qtz-ank-tor-py vn sample, 70%vn 30% strongly def wr	4.89	1.05	<0.5	<5	13	16	TB21221952
Golden Park	Golden Park	B733183	510045	5508659	383	8/17/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Chalcopyrite	0.5	Disseminated	Moderate	Ankerite	Patchy	Moderate	Qtz-mal-ank-chl-cpy vn. 8% malachite. Sample taken from Golden Park shaft	0.125		16.4	<5	840	54	TB21221952
Machin Pit	Vanlas	B733184	506064	5508628	389	8/18/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Vuggy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Patchy	Moderate	qtz-ank-tor-chl vn 0.5% py taken from shallow trench west of Machan Pit	0.021		<0.5	<5	7	11	TB21221952
Machin Pit	Vanlas	B733185	506074	5508637	388	8/19/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	3	Blebby	Strong	Ankerite	Patchy	Moderate	Qtz-ank-tourm-ser-py-chl vn float taken prox to Machin pit. 3% blebby-cubic py. 100%vn	0.168		<0.5	<5	7	5	TB21221952
Machin Pit	Vanlas	B733186	506075	5508639	388	8/19/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	3	Disseminated	Moderate	Ankerite	Semi-pervasive	Strong	Float taken prox to Machin pit. Qtz-ank-tourm-chl-py vn. 70% mineralized WR 30% vn. Mod ank alt in vn and fol WR. 2% diss cubic py 1-7mm, 1% rusted out cubic sulph.	1.37		<0.5	10	7	32	TB21221952
Machin Pit	Vanlas	B733187	506075	5508634	383	8/18/2021	Percy Clark	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Schistose	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Strong	sheared southern contact of Machin pit vn	0.26		<0.5	6	28	69	TB21221952
Machin Pit	Vanlas	B733188	506075	5508635	383	8/19/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	1	Blebby	Weak	Ankerite	Halo	Moderate	1m side qtz-chl-ank-tor-py vn, py occuring along margins of altered wr inclusions	0.242		<0.5	8	7	28	TB21221952
Machin Pit	Vanlas	B733189	506080	5508631	388	8/19/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	2	Blebby	Strong	Ankerite	Patchy	Moderate	Qtz-chl-ank-py vn 1.5m wide. 2% blebby py along vn mrgn, spatially ass. w chl. 100%vn taken from historic Machin pit	0.563		<0.5	5	4	17	TB21221952
Machin Pit	Vanlas	B733190	506082	5508624	388	8/19/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Drk Green	Foliated	Pyrite	3	Disseminated	Strong	Sericite	Pervasive	Strong	Fol MV collected from N contact of Machin pit vn. 2% diss py, 1% rusted cubic sulphides. Ser alt defines fol.	2.14		<0.5	12	10	48	TB21221952
Pond Pit	AL-88	B733191	504642	5507749	383	8/20/2021	Percy Clark	Float	Quartz Vein	Fine		Glassy	Pyrite	4	Wispy	Strong	Ankerite	Patchy	Moderate	blast rock collected proximal to historic pit, 3% vfg py occuring along chl-tor stringer, 1%mg py euhd py 100% qtz-chl-ank-tor-py vn	1.13		0.7	<5	2	13	TB21221952
Pond Pit	AL-88	B733192	504630	5507754	384	8/20/2021	Percy Clark	Float	Quartz Vein	Fine	Light Brown		Pyrite	5	Blebby	Strong	Ankerite	Semi-pervasive	Strong	blast rock collected proximal to historic pit, 90% qtz-ank-py-ser 10% strongly deformed wr, likely proximal to vn margin	1.355		1.1	18	2	27	TB21221952
Pond Pit	AL-88	B733193	504630	5507755	388	8/20/2021	Percy Clark	Float	Quartz Vein	Very Fine	White	Glassy	Pyrite	6	Wispy	Weak	Sericite	Patchy	Weak	blast rock proximal to blast pit, 100% qtz-py-ser-chl-ank, vfg py semi-massive and mg euhd py clusters	1.92		1.8	14	2	3	TB21221952
Pond pit	AL-88	B733194	504634	5507752	379	8/20/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	1	Disseminated	Moderate	Sericite	Semi-pervasive	Moderate	Qtz-ser-tourm-py vn ~1m wide. 1% blebby py. Vuggy qtz. 1mm tourm strngers. Evidence of rusted sulphides in vugs. Taken from W side of pit. 100%vn	0.274		0.7	<5	1	3	TB21221952
Pond Pit	AL-88	B733195	504635	5507754	379	8/20/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Beige	Foliated	Pyrite	1	Disseminated	Strong	Sericite	Pervasive	Strong	MV strong ser alt. 0.2-0.5cm qtz-ank veinlets. 1% diss py. Strong fol. Rusty patches. Taken from W side of S contact	0.041		<0.5	<5	11	88	TB21221952
Pond pit	AL-88	B733196	504655	5507734	379	8/20/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Blebby	Strong	Sericite	Patchy	Moderate	Qtz-ser-chl-py vn ~1m wide. 1% blebby py. Rusted patches near mrgn.Taken from E side of Pond pit	0.067		<0.5	<5	1	5	TB21221952
Pond pit	AL-88	B733197	504639	5507752	379	8/20/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Foliated	Pyrite	0.5	Disseminated	Strong	Silica	Pervasive	Strong	MV strong sil alt. 1% diss py. Strong fol. Taken from E side of Pond pit at S contact	0.219		<0.5	<5	3	107	TB21221952
Pond pit	AL-88	B733198	504643	5507745	379	8/20/2021	Ann Presley	Outcrop	Mafic Volcanic	Aphanitic	Light Grey	Welded	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Strong	MV strong def+sil alt. 2% diss cubic py. Mod ank alt near vn mrgn. Rusted 1mm stringers cross-cutting fol. Taken from N side of pit. 80%WR 20%vn.	0.833		0.7	6	3	24	TB21221952
Pond Pit	AL-88	B733199	504634	5507754	379	8/20/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Sugary	Pyrite	3	Disseminated	Moderate	Ankerite	Layered	Moderate	Qtz-ank-ser-py-tourm vn ~1m wide. Mod layered ank alt. 3% diss/blebby py. 100%vn. Taken from W side of Pond pit	0.528		0.5	<5	1	6	TB21221952
	QAQC	B733200							CDN-GS-1W												0.98		1.5	16	41	86	TB21221952
AP21-139	Hays Trenches	B733201	510358	5506967	385	8/21/2021	Percy Clark	Outcrop	Quartz Vein	Fine	Green-Grey	Foliated	Pyrite	0.5	Blebby	Moderate	Chlorite	Layered	Moderate	shallow trench sample, 100% 10cm qtz-chl-ank vn with deformed wr inclusioms (mv), 0.5% py along margins	0.125		<0.5	<5	28	61	TB21244102
AP21-139	Hays Trenches	B733202	510335	5506970	382	8/21/2021	Ann Presley	Float	Quartz Vein	Aphanitic	White	Sugary	NA	NA	NA	Moderate	Ankerite	Patchy	Strong	Float qtz-ank-chl-py float sample taken from historic trench. Lamin/wispy chl. 0.5% py near mrgn. 2mm wide vug-frct w euhedral carb.	0.487		<0.5	<5	36	277	TB21244102
AP21-139	Hays Trenches	B733203	510342	5506975	382	8/21/2021	Ann Presley	Outcrop	Mafic Volcanic	Very Fine	Light Grey	Foliated	Pyrite	2	Blebby	Moderate	Carbonate	Pervasive	Strong	MV strong def. 2% blebby py along fol/frct-fill. Taken from N side of historic trench prox to qtz vn.	0.01		<0.5	<5	107	131	TB21244102
AP21-139	Hays Trenches	B733204	510340	5506971	382	8/21/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Vuggy	Pyrite	0.5	Disseminated	Moderate	Sericite	Patchy	Moderate	Qtz-chl-ser-py vn 4-6cm wide. Chl whisps/seams. 0.5% diss py. Mod ser alt along chl seams. Taken frm historic trench	0.376		<0.5	<5	19	20	TB21244102
AP21-139	Hays Trenches	B733205	510343	5506979	383	8/20/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA	NA	Subtle	Ankerite	Halo	Moderate	10-2cm qtz-carb vn, extending east from Larson East MDI trench	0.18		<0.5	<5	16	44	TB21244102
AP21-139	Hays Trenches	B733206	510340	5506972	383	8/21/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	NA	NA	NA	Moderate	Carbonate	Pervasive	Moderate	2-5cm qtz-carb-chl vn occuring on southern wall of Larson East MDI trench	0.139		<0.5	<5	29	71	TB21244102
Star Exposure East side	Star Area	B733207	503396	5507420	404	8/22/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	20	Disseminated	Strong	Ankerite	Patchy	Moderate	Qtz-chl-py-ank-tourm vn taken from B733091 saw-ass. grab location. 20% diss/blebby euh py 0.5-3mm. 70%vn 30% mineralized WR	>10.0	287	19.5	34	55	71	TB21244102
Star Exposure East side	Star Area	B733208	503402	5507412	402	8/22/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	2	Disseminated	Strong	Ankerite	Halo	Strong	5-10cm 60% qtz-carb-tor vn, 40% strongly foliated MV displaying 3% diss py, east side of star exposure	>10.0	38.3	8	47	20	96	TB21244102
Star Exposure East side	Star Area	B733209	503397	5507406	403	8/22/2021	Percy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	2	Blebby	Moderate	Ankerite	Halo	Strong	10cm 80% qtz-carb-chl-tor-py vn 20% altered wr, east side of star exposure	>10.0	41.5	6.9	38	34	105	TB21244102
Star Exposure East side	Star Area	B733211	503398	5507415	404	8/22/2021	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Light Grey	Schistose	Pyrite	5	Disseminated	Strong	Carbonate	Pervasive	Strong	100% strongly foliated-sheared IV dpshows 3% diss py, 2% fol py, 1% stringer py	2.64		3.2	57	30	182	TB21244102
Star Exposure East side	Star Area	B733212	503401	5507414	402	8/22/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Halo	Strong	80% qtz-carb-tor vn 5-10cm, 20% strongly def wr hosting diss py min	2.53		1.3	18	20	89	TB21244102
Star Exposure East side	Star Area	B733213	503403	5507411	401	8/22/2021	Percy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	2	Patchy	Strong	Ankerite	Halo	Strong	90% 8cm qtz-carb-tor vn, 10% deformed wr hosting diss py	2.15		1	13	19	68	TB21244102
Star Exposure East side	Star Area	B733214	503404	5507416	398	8/22/2021	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Beige	Schistose	Pyrite	2	Disseminated	Intense	Silica	Pervasive	Strong	strongly deformed & altered IV(?) strong sil ser alt, 2% euhd py	0.226		<0.5	<5	7	23	TB21244102
Star Exposure East side	Star Area	B733215	503251	5507445	398	8/22/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	2	Disseminated	Moderate	Carbonate	Semi-pervasive	Moderate	Qtz-carb-chl vn 2-8cm wide. Mod ank alt along vn mrgn in HR. 2% diss cub py in WR. 80%vn 20%WR	0.164		<0.5	5	14	29	TB21244102
TP21-001	SW Van Horne	B733229	511750	5505096	390	8/24/2021	Percy Clark	Outcrop	Quartz Vein	Medium	White	Glassy	Pyrite	Trace	Disseminated	Moderate	Ankerite	Patchy	Weak	10cm qtz-ank-hem-musc vn 100% vn in sample, potential py likely mica	0.015		<0.5	<5	9	6	TB21244102
Primu Pit	Primu Pit	B733230	511629	5505105	398	8/24/2021	Percy Clark	Outcrop	Quartz Vein	Very Fine	White	Glassy	Arsenopyrite	1	Blebby	Strong	Chlorite	Patchy	Strong	5cm flat lying vn, qtz-chl-ank-py-aspy vn taken from horizontal pit	0.011		<0.5	<5	98	21	TB21244102
Primu Pit	Primu Pit	B733231	511625	5505114	408	8/24/2021	Percy Clark	Float	Mafic Volcanic	Fine	Grey	Tuffaceous	Pyrite	12	Vein Fill	Moderate	Carbonate	Patchy	Moderate	blast rock sample, 10-12% py-aspy occuring along cm scale qtz-carb irr vein lets	0.055		<0.5	<5	76	58	TB21244102
Primu Pit	Primu Pit	B733232	511626	5505113	407	8/24/2021	Percy Clark	Float	Mafic Volcanic	Fine	Grey	glassy	Pyrite	12	Blebby	Strong	Silica	Pervasive	Strong	blast rock sample, 12% blebby py-aspy, strongly silica altered pv, possible gabbro?	<0.005		<0.5	<5	53	20	TB21244102
Primu Pit	Primu Pit	B733233	511625	5505111	406	8/24/2021	Percy Clark	Float	Felsic Volcanic	Fine	Light Grey	Massive	Pyrite	8	Patchy	Intense	Silica	Pervasive	Moderate	strongly silicious FV?, disseminated and patchy py-cpy, blast rock sample	0.007		<0.5	<5	2	10	TB21244102
TT21-185	Ideal	B733301	507983	5508046	397	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	4	Blebby	Strong	Ankerite	Pervasive	Moderate	historic sample #H807310 Vein set, 5-20 cm qtz ank chlor py vein, large blebby pyrite present along with minor blebby chalcopyrite	0.117		<0.5	<5	33	31	TB21195248
TT21-187	Ideal	B733302	508055	5508026	399	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Bleached	Pyrite	8	Disseminated	Strong	Silica	Pervasive	Moderate	Felsic volcanic wallrock (30%) and 70% quartz ank chlor py vein.	0.07		<0.5	12	12	109	TB21195248
TT21-187	Ideal	B733303	508057	5508025	400	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	5	Disseminated	Intense	Ankerite	Pervasive	Strong	30+ cm qtz ank chlor py vein, possibly larger but overburden in the way. Disseminated pyrite throughout unit with intense pervasive ankerite alteration.	0.889		<0.5	<5	1645	10	TB21195248
TT21-187	Ideal	B733304	508056	5508024	399	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	8	Disseminated	Strong	Ankerite	Pervasive	Strong	Qtz ank chlor py vein, 25 cm wide, 8% disseminated fine grained pyrite with 1% chalcopyrite. vugs present	0.344		<0.5	<5	255	95	TB21195248
TT21-188	Ideal	B733305	508061	5508024	400	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	Blebby	Moderate	Ankerite	Pervasive	Moderate	55 cm blowout vein set, qtz carb ank chlor py. sample has 2% disseminated py with moderate pervasive ankerite	0.191		<0.5	<5	10	11	TB21195248
TT21-189	Ideal	B733306	508072	5508014	400	7/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	3	Disseminated	Moderate	Ankerite	Pervasive	Moderate	15 cm vein within vein set qtz carb ank, 2-3% disseminated fine grained pyrite	0.278		<0.5	15	16	19	TB21195248
TT21-212		B733307	507849	5508087	411	7/28/2021	Tommy Clark	Subcrop	Felsic Volcanic	Medium	White	Sugary	Pyrite	1	Disseminated	Intense	Silica	Pervasive		Intensely altered felsic volcanic (possibly dyke?) bleach white, intense silica alteration with moderate patchy ankerite. Mostly rubble with small zone of high strain through mafic unit with similar alteration and colour	0.005		<0.5	<5	5	17	TB21211081
TT21-213		B733308	507868	5508078	407	7/28/2021	Tommy Clark	Outcrop	Mafic volcaniclastic	Fine	Green-Grey	Polymictic	Pyrite	2	Disseminated	Strong	Ankerite	Patchy	Moderate	Dark green matrix with small subrounded clasts and 2-3% disseminated pyrite, weakly strained	<0.005		<0.5	<5	36	88	TB21211081
TT21-214		B733309	507867	5508094	403	7/28/2021	Tommy Clark	Outcrop	Felsic Volcanic	Fine	Beige	Bleached	Pyrite	2	Disseminated	Intense	Silica	Pervasive	Strong	Intensely strong alteration with moderate to strong deformation, moderate to strong ankerite alteration with 2% disseminated pyrite	0.006		<0.5	<5	9	25	TB21211081
TT21-215		B733310	507873	5508101	407	7/28/2021	Tommy Clark	Outcrop	Mafic volcaniclastic	Fine	Red-Brown	Polymictic	Pyrite	2	Disseminated	Intense	Ankerite	Patchy	Strong	Patchy ankerite along with pervasive silica and sericite, minor disseminated pyrite and small amount of qtz carb ank blebs	<0.005		<0.5	<5	12	83	TB21211081
TT21-216		B733311	507892	5508074	358	7/29/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Historic sample #A00349178 - 15 cm qtz carb ank tour vein / 2% veinfill pyrite, vugs show ankerite and minor blebby pyrite	<0.005		<0.5	<5	3	13	TB21211081
TT21-216		B733312	507898	5508071	351	7/29/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	1	Disseminated	Moderate	Ankerite	Patchy	Moderate	Historic sample #A00348201 - 15-20 cm qtz tour ank carb vein with minor vugs and disseminated py	0.016		<0.5	<5	2	4	TB21211081
TT21-219		B733313	507932	5508088	394	7/29/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	fracture-fill	Moderate	Ankerite	Fracture-Fill	Moderate	70% qtz carb tour vein, 2% fracture fill pyrite, with moderate fracture fill ankerite	<0.005		<0.5	<5	6	20	TB21211081
TT21-220		B733314	507941	5508086	394	7/29/2021	Tommy Clark	Outcrop	Quartz Vein												<0.005		<0.5	<5	2	29	TB21211081
TT21-223		B733315	507953	5508165	387	7/30/2021	Tommy Clark	Outcrop	Intermediate volcaniclastic	Fine	Beige	Polymictic	Pyrite	1	Disseminated	Intense	Silica	Pervasive	Moderate	Strongly altered unit, subrounded intermediate to felsic clasts, 1% disseminated pyrite, moderate to strong patchy ankerite	<0.005		<0.5	<5	15	116	TB21211081
TT21-225		B733316	507889	5508290	407	7/30/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Glassy	Pyrite	2	fracture-fill	Moderate	Silica	Pervasive	Moderate	20 cm qtz ank chlor vein, 2% fracture-fill pyrite, associated with heavy shear and felsic intrusive or intense silica alt	<0.005		<0.5	<5	150	18	TB21211081
TT21-225		B733317	507890	5508291	405	7/30/2021	Tommy Clark	Outcrop	Quartz Vein	Very Fine	Red-Brown	Glassy	Pyrite	1	fracture-fill	Moderate	Ankerite	Fracture-Fill	Moderate	20-25 cm qtz chlor ank tour vein, associated with felsic intrusive or intense silica alteration.	<0.005		<0.5	<5	57	38	TB21211081
TT21-232		B733318	507881	5508359	399	7/30/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	2	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Large flat lying vein, qtz tour ank, solid 5 -10 cm bands of tourmaline	0.005		<0.5	5	106	9	TB21211081
TT21-136		B733319	507785	5508010	402	7/31/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	2	fracture-fill	Moderate	Ankerite	Fracture-Fill	Moderate	9 cm wide qtz ank carb vein, 2% disseminated pyrite within vein margins.	1.81		<0.5	<5	6	15	TB21211081
QAQC		B733320							CDN-BL-10											CDN-BL-10	<0.005		<0.5	<5	19	37	TB21211081
TT21-242		B733321	507764	5508130	401	7/31/2021	Tommy Clark	Outcrop	Mafic Intrusive	Very Fine	Drk Grey	Glassy	Pyrite	5	Wispy	Strong	Silica	Pervasive	Moderate	Mafic intrusive to intermediate intrusive, 5% wispy pyrite along with 1% disseminated pyrite, moderate to strong silica alt	0.011		0.5	<5	164	147	TB21211081
TT21-254	Larson Arm	B733322	511561	5507735	404	8/4/2021	Tommy Clark	Outcrop	Felsic Volcanic	Fine	Light Grey	Foliated	Pyrite	1	Disseminated	Strong	Silica	Pervasive	Strong	Heavily sheared and altered felsic unit, 1% disseminated pyrite, orange surficial colour with strong white pervasive silica alt within unit.	<0.005		<0.5	<5	39	111	TB21211081
TT21-261	Larson Arm	B733323	511330	5507835	394	8/4/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	Pyrite	TR	fracture-fill	Moderate	Ankerite	Fracture-Fill	Weak	15 cm qtz tour chlor ank vein	<0.005		<0.5	<5	3	8	TB21211081
TT21-263	Larson Arm	B733324	511258	5507851	391	8/5/2021	Tommy Clark	Outcrop	Intermediate volcaniclastic	Fine	Light Grey	Foliated	NA	NA	NA	Strong	Ankerite	Layered	Strong	Clastic sample, showing strong shear fabric and ank chlor silica serc alt.	<0.005		<0.5	<5	9	102	TB21211081
TT21-279	Larson Arm	B733326	510974	5508017	411	8/7/2021	Tommy Clark	Outcrop	Felsic Volcanic	Fine	Beige	Vesicular	Pyrite	4	fracture-fill	Strong	Sericite	Pervasive	Moderate	Strong pervasive silica + sericite + moderate patchy ankerite unit. 4% fracture fill pyrite, small amount of qtz veining (5%)	<0.005		<0.5	<5	8	55	TB21211081
TT21-279	Larson Arm	B733327	510978	5508016	397	8/7/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Sugary	Pyrite	2	fracture-fill	Strong	Ankerite	Pervasive	Moderate	1 cm vein blowout to 15 cm	<0.005		<0.5	<5	12	39	TB21211081
TT21-284	Larson Arm	B733328	510925	5507901	417	8/7/2021	Tommy Clark	Outcrop	Felsic Volcanic	Fine	Light Grey	Sugary	Pyrite	2	Disseminated	Strong	Silica	Pervasive	Moderate	Cliffside outcrop sample, mostly strong silica alt + moderate patchy ankerite	<0.005		4	7	27	127	TB21211081
TT21-286	Larson Arm	B733329	511451	5507945	411	8/8/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	4	fracture-fill	Strong	Ankerite	Fracture-Fill	Moderate	Qtz ank chlor py arseno vein, 5-8 cm. red-brown ankerite alt, small vugs	0.058		0.6	<5	42	150	TB21211081
TT21-253	Larson Arm	B733330	511530	5507730	410	8/9/2021	Tommy Clark	Float	Quartz Vein	Fine	Red-Brown	Sugary	Pyrite	2	fracture-fill	Strong	Ankerite	Patchy	Moderate	Float from surrounding vein rubble, strong patchy ankerite + moderate tourmaline present, sulphides mostly weathered out	<0.005		<0.5	<5	21	11	TB21211081
TT21-297	Larson Arm	B733331	510662	5508019	388	8/24/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA	NA	Weak	carbonate	Patchy	Weak	5-10cm qtz carb vein, bull sulphides	0.005		<0.5	<5	3	2	TB21244102
TT21-298	Larson Arm	B733332	510672	5508028	390	8/24/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA	Patchy	Moderate	carbonate	Patchy	Moderate	15 cm qtz carb tour chlor vein. null sulphides, part of irregular vein set	0.008		<0.5	<5	11	22	TB21244102
TT21-298	Larson Arm	B733333	510680	5508026	388	8/24/2021	Tommy Clark	Outcrop	Felsic Volcanic	Fine	Light Pink	Glassy	Pyrite	0.5	Disseminated	Moderate	Albite	Pervasive	Moderate	rhyolite felsic flow, light pink colour, possibly mapped as qfp.	<0.005		<0.5	<5	23	39	TB21244102
TT21-298	Larson Arm	B733334	510673	5508027	390	8/24/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA	NA	Moderate	Silica	Pervasive	Strong	qtz ank carb chlor tour vein bleb, large 2-3 foot blowout. Irregular vein, null to trace pyrite	<0.005		<0.5	<5	4	10	TB21244102
TT21-298	Larson Arm	B733335	510672	5508027	390	8/24/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	fracture-fill	Strong	Ankerite	Patchy	Strong	Large 2-3 foot qtz ank carb chlor tour vein blowout.	<0.005		<0.5	<5	13	25	TB21244102
TT21-299	Larson Arm	B733336	506622	5508385	385	8/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	TR	fracture-fill	Moderate	Ankerite	Patchy	Moderate	3-5 cm qtz carb+ank flat lying vein, mostly surficial ankerite alt with moderate micas and trace sulphides	<0.005		<0.5	<5	5	5	TB21244102
TT21-299	Larson Arm	B733337	506619	5508387	390	8/25/2021	Ann Presley	Outcrop	Quartz Vein	Aphanitic	White	Glassy	Pyrite	1	Disseminated	Moderate	carbonate	Pervasive	Moderate	Qtz-ser-chl-py vn 1-5cm wide. 1% diss py in WR, cubic py near vn mrgn. Mod carb alt in WR. Evidence of rusted sulphides in WR. 60% WR 40% vn. Taken from historic pit	<0.005		<0.5	<5	5	31	TB21244102
TT21-299	Larson Arm	B733338	506623	5508384	391	8/25/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Fine	Light Grey	Glassy	Pyrite	TR	Disseminated	Strong	Silica	Pervasive	Moderate	Strongly siliceous intermediate volcanic unit within historic pit	>10.0	15.25	0.5	<5	13	54	TB21244102
TT21-300	Larson Arm	B733339	506604	5508390	391	8/25/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Vuggy	Pyrite	1	fracture-fill	Moderate	Ankerite	Patchy	Moderate	2-3 cm flat lying vein, qtz carb ank tour, 1% fracture-fill pyrite present with a glassy vuggy texture	0.015		<0.5	<5	6	18	TB21244102
QAQC		B733340							CDN-GS-1W												NSS		2.5	14	41	90	TB21244102
TT21-300	Larson Arm	B733341	506604	5508390	391	8/25/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Fine	Grey	Glassy	NA	NA	NA	Moderate	Silica	Pervasive	Weak	Intermediate volcanic unit, weak to moderate pervasive silica, null sulphides	0.017		<0.5	<5	9	82	TB21244102
TT21-300	Larson Arm	B733342	506606	5508394	396	8/25/2021	Ann Presley	Float	Quartz Vein	Aphanitic	Brown	Vuggy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Pervasive	Moderate	Qtz-ank-ser-chl-py vn float taken from historic pit. 0.5% diss py. Mod carb alt in HR. Mod fol in HR. 70%vn 30%WR	<0.005		<0.5	<5	10	55	TB21244102
TT21-303	Larson Arm	B733343	510655	5508159	391	8/26/2021	Tommy Clark	Float	Quartz Vein	Fine	White	Glassy	Pyrite	2	fracture-fill	Moderate	Ankerite	Pervasive	Moderate	Quartz vein sample, qtz carb ank vein, black qtz present, 2% fracture-fill pyrite and trace chalcopyrite	<0.005		<0.5	<5	4	40	TB21244102
TT21-306	Larson Arm	B733344	510609	5508105	391	8/26/2021	Tommy Clark	Outcrop	Intermediate Volcanic	Fine	Light Pink	Foliated	Pyrite	0.5	Disseminated	Moderate	Albite	Pervasive	Moderate	intermediate volcanic unit, strong pervasive potassic alt + minor qtz blebs. Strong pervasive silica and moderate pervasive ankerite	<0.005		<0.5	<5	3	45	TB21244102

TT21-309	Larson Arm	B733345	510632	5507998	378	8/26/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	Pyrite	0.5	Disseminated	Moderate	Ankerite	Patchy	Moderate	5 -10 cm qtz carb ank vein, side of outcrop cliff	<0.005		<0.5	<5	13	20	TB21244102
TT21-309	Larson Arm	B733346	510632	5507998	378	8/26/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	White	Glassy	NA	NA	NA	Weak	Ankerite	Patchy	Weak	10-15 cm qtz carb vein, side of cliff outcrop	<0.005		<0.5	<5	5	9	TB21244102
TT21-309	Larson Arm	B733347	510632	5507998	378	8/26/2021	Tommy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	Glassy	Pyrite	2	Patchy	Moderate	Ankerite	Pervasive	Moderate	10 - 15 cm qtz carb ank tour vein, 2% patchy pyrite, weak to moderate patchy ankerite	<0.005		<0.5	<5	14	26	TB21244102
sg21-088a	AL-88	B733401	504662	5507539	390	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.5	Disseminated		Unaltered		Moderate	50-60cm qtz vein, sub-mil euhedral py, fracture fill tourmaline 1%	0.023		<0.5	<5	2	3	TB21187621
sg21-088b	AL-88	B733402	504661	5507531	393	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated	Weak	Silica	Halo	Weak	10cm qtz vein, planar, ankerite 3%, 100% vein	0.009		<0.5	<5	20	5	TB21187621
sg21-088c	AL-88	B733403	504665	5507530	392	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	fracture-fill		N/A		Intense	southern margin of 2m qtz-carb vein, fracture fill fine py, tourmaline trace, chlorite 1%, ankerite 3%, 5%wall rock	5.69	4.79	1	8	3	6	TB21187621
sg21-088d	AL-88	B733404	504652	5507532	391	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Brecciated	Pyrite	2	Disseminated	Moderate	Chlorite	Pervasive	Strong	40% carbonatized-chloritized wallrock breccia, ankerite 40%, ankerite impregnated into wallrock, 1-3mm euhedral py, same domain as sample-403	0.415		<0.5	7	14	131	TB21187621
sg21-088e	AL-88	B733405	504647	5507532	391	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Brecciated	Pyrite	1	Disseminated	Moderate	Chlorite	Pervasive	Strong	85% vein , ankerite 2%, chlorite 2%, py constrained to wallrock same domain as sample -403	0.385		0.9	7	7	18	TB21187621
sg21-088f	AL-88	B733406	504653	5507534	393	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.5	Disseminated	Moderate	Chlorite	Halo	Weak	10-15cm extension gash qtz vein, carbonate trace, chlorite trace, pyrite in margin, 3-5% wallrock	0.054		<0.5	<5	4	8	TB21187621
sg21-088g	AL-88	B733407	504643	5507522	394	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Moderate	Chlorite	Pervasive	Strong	30cm qtz, carbonate patches 10-15%, <5% wallrock same domain as sample-403	0.579		<0.5	7	8	24	TB21187621
sg21-088h	AL-88	B733408	504623	5507522	388	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Sheared	Pyrite	1	Disseminated	Moderate	Chlorite	Halo	Strong	60cm qtz vein, carbonate 1%, chalcopyrite trace, 100% vein	0.149		<0.5	5	3	2	TB21187621
sg21-088i	AL-88	B733409	504649	5507534	395	7/17/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Sheared	Pyrite	4	Disseminated	Moderate	Silica	Pervasive	Weak	wallrock with <10% extension qtz-carb (crystal growth perpendicular to vein orientation) veins <1cm, chalcopyrite trace disseminated py throuhout wallrock,	0.56		<0.5	7	15	53	TB21187621
sg21-089a	Lone Jack	B733410	504789	5507569	399	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Moderate	Chlorite	Pervasive	Moderate	20-30cm qtz-carb vein, chlorite 7%, py 1%, ankerite 3%	0.202		<0.5	<5	25	14	TB21187621
sg21-090a	Lone Jack	B733411	504726	5507554	399	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	fracture-fill	Weak	Chlorite	Halo	Moderate	10-20cm planar qtz vein, pinches and swells, parralle to main foliation, fine tourmaline patches 2%, carb 8%	1.29		<0.5	7	2	9	TB21187621
sg21-090b	Lone Jack	B733412	504726	5507555	399	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Disseminated	Moderate	Chlorite	Pervasive	Strong	wallrock, gabbro, medium grained, equigranular, moderate pervasive foliation, py 3%, ankerite along vein margin 5%	0.214		<0.5	15	5	69	TB21187621
sg21-090c	Lone Jack	B733413	504709	5507554	398	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated		N/A		Weak	8-10cm qtz vein, planar, ankerite 2%, chlorite 1%	0.109		<0.5	<5	4	7	TB21187621
sg21-090d	Lone Jack	B733414	504732	5507560	401	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.5	Disseminated		N/A			5-10cm planar qtz vein, carb 2%, py along the margin	0.006		<0.5	<5	3	4	TB21187621
sg21-090e	Lone Jack	B733415	504735	5507563	400	7/18/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Not Present				N/A		Weak	8-12cm planar qtz, tourmaline 1% clusters, carb 2%, sericite along margin1%	<0.005		<0.5	<5	1	<2	TB21187621
sg21-091a	Lone Jack	B733416	505777	5507942	397	7/19/2021	Simon Gagne	Outcrop	Felsic Intrusive	Fine	Red-Brown	Foliated	Pyrite	0.1	Disseminated	Weak	Sericite	Pervasive	Moderate	quartz porphyry with 15% qtz vein, chlorite 4%, tourmaline clusters 1%, carbonate 3%, sericite 1%	<0.005		<0.5	<5	7	24	TB21195248
sg21-091a	Lone Jack	B733417	505776	5507936	395	7/19/2021	Simon Gagne	Float	Felsic Intrusive	Fine	Red-Brown	Foliated	Pyrite	0.5	Disseminated	Weak	Sericite	Pervasive	Moderate	from blast pile, quartz porphyry with 10% qtz vein, chlorite 7%, tourmaline clusters 1%, carbonate 3%, sericite 1%	0.037		<0.5	<5	7	30	TB21195248
sg21-095a	Lone Jack	B733418	505909	5507898	401	7/19/2021	Simon Gagne	Outcrop	Mafic Volcanic	Very Fine	Light Brown	Sheared	Pyrite	2	fracture-fill	Moderate	Chlorite	Halo	Strong	Sheared mafic flow, with py-qtz concentration along foliation as veinlets, qtz 2%	<0.005		<0.5	<5	21	42	TB21195248
sg21-096a	Lone Jack	B733419	505908	5507922	399	7/19/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	0.1	Disseminated		N/A		Weak	8-20cm qtz-tourm vein, irregular but oriented 173/73, tourmaline 5%, feox staining	<0.005		<0.5	<5	2	7	TB21195248
QAQC	QAQC	B733420							CDN-BL-10												<0.005		<0.5	<5	19	38	TB21195248
sg21-096b	Lone Jack	B733421	505905	5507921	396	7/19/2021	Simon Gagne	Outcrop	Feldspar Porphyry	Fine	Light Brown	Massive	Pyrite	0.1	Disseminated	Moderate	Silica	Halo	Weak	weakly foliated qfp with stockwork of <4mm irregular veinlets, qtz-epidote viens 2-4%, carb trace, tourmaline trace	<0.005		<0.5	<5	9	29	TB21195248
sg21-098a	Lone Jack	B733422	505416	5507918	403	7/20/2021	Simon Gagne	Outcrop	Felsic Intrusive	Medium	Red-Brown	Massive	Pyrite	2	Disseminated		Unaltered		Weak	2.5 m dike with weekly sheared margin running 302/88, 1-2mm subhedral qtz 10% and plag 10%, very fine brown disseminated crystals (possible ankerite) 1%	0.036		<0.5	<5	8	38	TB21195248
sg21-100a	Lone Jack	B733423	505472	5507852	401	7/20/2021	Simon Gagne	Outcrop	Felsic Intrusive	Medium	Red-Brown	Massive	Pyrite	2	Disseminated		Unaltered		Not Present	95%wallrock, 5% 1cm qtz vein, ankerite 1-2%, py-ank throughout wallrock and vein	0.119		<0.5	<5	38	40	TB21195248
sg21-103a	Lone Jack	B733424	505512	5507818	406	7/20/2021	Simon Gagne	Float	Felsic Intrusive	Medium	Red-Brown	Massive	Pyrite	0.5	fracture-fill		Unaltered		Weak	quartz porphyry with fracture-fill and disseminated py 0.5% and ankerite 1%	0.024		<0.5	<5	9	34	TB21195248
sg21-103b	Lone Jack	B733425	505513	5507818	404	7/20/2021	Simon Gagne	Outcrop	Felsic Intrusive	Medium	Red-Brown	Massive	Pyrite	1	Disseminated		Unaltered		Weak	qfp with 2% qtz-tor-ank veinlets, tourmaline 1%, ankerite 1%	0.31		<0.5	<5	4	21	TB21195248
sg21-103c	Lone Jack	B733426	505512	5507817	405	7/20/2021	Simon Gagne	Subcrop	Felsic Intrusive	Medium	Red-Brown	Massive	Pyrite	2	Disseminated		Unaltered		Weak	qfp with 1mm qtz veinlet stockwork, ankerite 7-8%	0.358		<0.5	<5	5	24	TB21195248
sg21-107a	Lone Jack	B733427	505619	5508065	395	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Chlorite	Patchy	Strong	20% wallrock, 80% qtz vein, carbonate 3-4%, chlorite selvage 2%	0.031		<0.5	<5	10	28	TB21195248
sg21-107b	Lone Jack	B733428	505619	5508057	396	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Patchy	Weak	Chlorite	Patchy	Weak	1-2cm planar qtz vien, parallel to foliation, carb 1%, chlor 1%, unaltered wallrock surrounding sample	0.039		<0.5	<5	6	8	TB21195248
sg21-108a	Lone Jack	B733429	505605	5507961	402	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Patchy	Weak	Silica	Halo	Weak	1-4cm qtz vein, planar, traceable over 4m, oblique to foliation, 75% qtz vein, 25% wallrock, carbonate 3-4%, 1-3cm irregular silica alteration halo, py disseminated into wallrock	2.49		<0.5	5	2	27	TB21195248
sg21-108b	Lone Jack	B733430	505625	5507953	401	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated		Unaltered		Weak	1-3 cm qtz vein, planar, traceable over 4m, oblique to foliation, 50% qtz vein, 50% wallrock, carbonate 3%, unaltered wallrock, py and ankerite disseminated into wallrock	0.007		<0.5	<5	3	27	TB21195248
sg21-110a	Lone Jack	B733431	505636	5507860	401	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Not Present			Weak	Chlorite	Patchy		1-6cm, irregular, sheared, 75% qtz vein, 25% wallrock, chlorite silvers 15%, ankerite 2%, vein is irregular	<0.005		<0.5	<5	6	134	TB21195248
sg21-112a	Lone Jack	B733432	505623	5507853	400	7/22/2021	Simon Gagne	Outcrop	Felsic Intrusive	Fine	Red-Brown	Massive	Not Present				Unaltered		Weak	qfp with stockwork of <2mm wide qtz veins, 98%wallrock	0.011		<0.5	<5	6	39	TB21195248
sg21-113a	Lone Jack	B733433	505648	5507786	400	7/22/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Silica	Halo	Weak	3-5cm planar qtz vein, >2m long, 30%vein, 70% wallrock, ankerite 3%, chlorite 3%	<0.005		<0.5	5	9	57	TB21195248
sg21-114a	Lone Jack	B733434	505630	5505902	397	7/22/2021	Simon Gagne	Float	Mafic Volcanic	Very Fine	Dark Grey	Massive	Pyrite	5	fracture-fill	N/A			Weak	mafic flow with 3-30mm fine py afc, sulphide band is shistose	0.012		<0.5	<5	63	131	TB21195248
sg21-114b	Wilkinson Occurrence	B733435	505633	5505898		7/23/2021	Simon Gagne	Float	Calcite Vein	Coarse	White	Massive	Pyrite	0.1	Disseminated	N/A			Weak	subhedral, ankerite 1%, tourmaline 7%, from blast pile, structure not preserved	<0.005		<0.5	<5	2	10	TB21195248
sg21-114c	Wilkinson Occurrence	B733436	505623	5505898		7/23/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	White	Massive	not present			N/A			Not Present	from blast pile, structure not preserved	<0.005		<0.5	<5	2	26	TB21195248
sg21-114d	Wilkinson Occurrence	B733437	505628	5505913		7/23/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	White	Massive	not present			Weak	Potassic	Patchy	Not Present	wallrock 5%, carb 1%, muscovite 2%, chlorite 1%, structure not preserved, from blast pile	<0.005		<0.5	<5	9	3	TB21195248
sg21-115a	Wilkinson Occurrence	B733438	505643	5505870	405	7/23/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Weak	Silica	Halo	Weak	1-3cm qtz vein, planar, ph disseminated into wallrock	0.017		<0.5	<5	11	273	TB21195248
sg21-115b	Wilkinson Occurrence	B733439	505630	5505872	404	7/23/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Unaltered			Moderate	2-4cm shallow dipping planar qtz vein, feox 1%, biot 1%	0.018		<0.5	<5	3	4	TB21195248
	QAQC	B733440							CDN-GS-1W												1.06		1.2	17	43	93	TB21195248
sg21-115c	Wilkinson Occurrence	B733441	505638	5505872	403	7/23/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated	Weak	Sericite	Halo	Weak	2cm qtz vein	<0.005		<0.5	<5	11	1030	TB21195248
sg21-115d	Wilkinson Occurrence	B733442	505627	5505875	400	7/23/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Disseminated					7-12cm gently folded shallow dipping planar qv, py mm sized, 100% qv	<0.005		<0.5	<5	7	26	TB21195248
sg21-115e	Wilkinson Occurrence	B733443	505629	5505875	402	7/24/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	2	Disseminated	Weak	Sericite	Halo	Moderate	from blast pile, qv 15%, qtz porph 85%, si-ser altered, 1-3mm qtz veinlets, py disseminated into wallrock and vein	0.067		<0.5	<5	7	64	TB21195248
sg21-116a	Wilkinson Occurrence	B733444	505674	5505860	403	7/24/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Weak	Sericite	Halo	Strong	taken from a vein in a 1m shear zone, low angle colinear to foliation, 98%qtz vein, servite altered wall rock, carb 1%	<0.005		<0.5	<5	2	4	TB21195248
sg21-116b	Wilkinson Occurrence	B733445	505673	5505860	403	7/24/2021	Simon Gagne	Outcrop	Felsic Intrusive	Very Fine	Grey	Massive	Pyrite	1	Disseminated	Weak	Sericite	Halo	Moderate	98% qtz porphyry, 2% qv, carb 1%, servite altered	0.006		<0.5	<5	28	22	TB21195248
sg21-117a	Wilkinson Occurrence	B733446	505682	5505860	403	7/24/2021	Simon Gagne	Outcrop	Quartz Vein	Medium	Light Grey	Massive	not present			Weak	Sericite	Pervasive	Weak	10-20cm irregular qtz vein with branches, chlorite 2%, carb 1%, 2% wallrock	<0.005		<0.5	<5	1	11	TB21195248
sg21-117b	Wilkinson Occurrence	B733447	505694	5505860	404	7/24/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Weak	Sericite	Pervasive	Weak	20-25cm dilation jog, 100% qv, carb 1%, chlorite 1%, 100 qv, shallow dipping oblique to foliation	<0.005		<0.5	<5	1	2	TB21195248
sg21-117c	Wilkinson Occurrence	B733448	505704	5505853	408	7/24/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Blebby	Moderate	Silica	Pervasive	Weak	60%wallrock, 40% qv, carb along vein margin 3%, cubic py in only wallrock and vein margin, from undetermined structure	0.41		<0.5	8	6	69	TB21195248
sg21-117d	Wilkinson Occurrence	B733449	505704	5505852	408	7/24/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	3	Patchy	Strong	Silica	Pervasive	Strong	feox stained qtz, 2-4mm ph cubes patchy and constrained to wallrock and vein margin	0.722		<0.5	8	1	163	TB21195248
sg21-117e	Wilkinson Occurrence	B733450	505715	5505847	412	7/24/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	Pyrite	1	Patchy	Moderate	Sericite	Pervasive	Moderate	50% qv, 50% qfp, stockwork of mostly parallel 1-4cm qv, pervasive silicific and sericitic alteration, py mostly in wallrock	0.017		<0.5	<5	2	14	TB21195248
sg21-118a	Larson Clear Cut	B733451	510960	5507859	373	7/25/2021	Simon Gagne	Outcrop	Intermediate Volcaniclastic	Medium	Light Brown	Foliated	not present			Weak	Ankerite	Patchy	Intense	strongly foliated wallrock 100% feox, sericitic, ankerite 1%	<0.005		<0.5	<5	8	290	TB21195248
sg21-118b	Larson Clear Cut	B733452	510959	5507860	373	7/25/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Moderate	Ankerite	Patchy	Moderate	qtz carb vein with 15% carbonate altered wallrock, structure undetermined	<0.005		1.2	<5	11	182	TB21195248
sg21-118c	Larson Clear Cut	B733453	510959	5507858	373	7/25/2021	Simon Gagne	Float	Quartz Vein	Aphanitic	Light Grey	Massive	not present			N/A			Weak	qtz vein, ankerite 7%, tourm 1%, blast rock	<0.005		<0.5	<5	2	153	TB21195248
sg21-119a	Larson Clear Cut	B733454	512306	5507537	396	7/25/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			N/A			Strong	10-15cm strongly sheared and attenuated, traces over 1.5m, 100% qtz vein, patchy ankerite 15%, tourmaline 1-2%	<0.005		<0.5	<5	1	74	TB21195248
sg21-119b	Larson Clear Cut	B733455	512306	5507538	396	7/25/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Strong	Silica	Pervasive		10-15cm qv with fracture controlled carbonate alteration, ankerite 20%, 60% wallrock	<0.005		<0.5	<5	1	122	TB21195248
sg21-119c	Larson Clear Cut	B733456	512317	5507539	399	7/25/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Moderate	Ankerite	Patchy	Strong	20cm qv 90%, ankerite along vein margin 5%, chlorite 2%, sericite 1%, wallrock inclusions altered to chlorite-sericite	<0.005		<0.5	<5	1	25	TB21195248
sg21-122a	Larson Clear Cut	B733458	512359	5507351	390	7/27/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Weak	Sericite	Halo	Strong	60*120cm pod, 100% qv, patchy carb 3%, trace muscovite along margin	<0.005		<0.5	<5	3	14	TB21211081
sg21-122b	Larson Clear Cut	B733459	512359	5507351	389	7/27/2021	Simon Gagne	Outcrop	Quartz Vein	Aphanitic	Light Grey	Massive	not present			Weak	Sericite	Halo	Strong	2-5cm ladder qv from the larger pod, thin laminate tourm 2%, patchy carb 7%, local minor feox staining	0.526		<0.5	<5	2	18	TB21211081

Appendix E: Channel Sample Descriptions

Van Horne 2021 Channel Samples Data Collection

Channel ID	Sample Azimuth	Sample Length (meters)	Sample Number	Sample Start UTM Easting	Sample Start UTM Northing	Elevation	Date Sampled	Geologist	Rock Type	Grain Size	Colour	Texture	Vein_%	Sulphides 1	Sulphide_% 1	Sulphide Style 1	Sulphides 2	Sulphide_% 2	Sulphide Style 2	Alteration	Primary Alteration Mineral	Alteration Texture	Deformation	Description	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Zn (ppm)	Certificate
SC-01	35	0.5	8733038	504755.969	5507582.907	398	21-Jun-22	Thomas Clark	Mafic volcanic	fine	drk grey	massive	15	pyrite	5	disseminated				strong	ankerite	semi-pervasive	moderate	Qtz-ank-chl-py vn, 15%vn 85%WR. 3-5% Diss cubic py in WR. Weak patchy carb. Strong ankerite alteration along vein, moderate semi pervasive ankerite along surface of mafic	0.251	<0.5	6	20	93	TB21164878
SC-01	35	0.6	8733039	504755.723	5507582.511	398	21-Jun-22	Thomas Clark	Mafic volcanic	fine	drk grey	massive	40	pyrite	8	disseminated				strong	ankerite	pervasive	moderate	qtz-ank-chl vein, 40% vein 60% wallrock. Strong - intense pervasive ankerite along qtz vein, moderate fracture fill ankerite within mafic volcanic host rock.	0.919	0.9	10	39	45	TB21164878
QA/QC			8733040						CDN-GS-1W																0.978	1.5	14	44	93	TB21164878
SC-01	35	0.6	8733041	504755.44	5507582.053	398	21-Jun-22	Ann Pressley	Quartz Vein	very fine	white	massive	70	pyrite	4	disseminated	sphalerite	0.5	blebby	moderate	chlorite	fracture-fill	moderate	Qtz-chl-py vn, 70%vn 30%WR. Py predominately in WR. Wk patchy carb along chl.	0.321	0.5	<5	22	49	TB21164878
SC-01	35	0.7	8733042	504755.19	5507581.643	398	21-Jun-22	Ann Pressley	Quartz Vein	Aphanitic	white	Glassy	40	pyrite	3	disseminated	pyrite	5	blebby	strong	ankerite	semi-pervasive	moderate	Qz-ank-py-chl vn. 40%vn 60% WR. Chl frct-fill. Weak patchy carb. 3% diss py, 5% blebby.	1.355	1	15	56	52	TB21164878
SC-02	30	0.6	8733043	504751.549	5507583.62	398	21-Jun-22	Thomas Clark	Quartz Vein	very fine	white	Glassy	60	pyrite	5	disseminated	pyrite	1	blebby	moderate	ankerite	semi-pervasive	moderate	qtz-ank-py-chl 60% vein, 40% wallrock. fracture-fill ankerite throughout rock, moderate semi pervasive ankerite within host rock, weak fracture fill ankerite along vein margir	0.069	<0.5	<5	9	40	TB21164878
SC-02	30	0.5	8733044	504751.296	5507583.232	398	21-Jun-22	Ann Pressley	Quartz Vein	Aphanitic	white	Glassy	70	py	5	disseminated				strong	ankerite	pervasive	moderate	Qtz-ank-chl-py vn. 70%vn 30% WR. 5% diss py mostly in chl-WR. Brecciated WR in vn. Ank alt localized in WR	0.15	<0.5	<5	7	36	TB21164878
SC-02	30	0.6	8733045	504751.064	5507582.878	398	21-Jun-22	Thomas Clark	Quartz Vein	very fine	white	Glassy	90	pyrite	4	disseminated	pyrite	2	blebby	strong	ankerite	pervasive	moderate	qtz-ank-chl-py vein, 2% blebby pyrite within qtz vein, 4% disseminated pyrite within wall rock. Ankerite pervasive throughout host rock, minor amounts of chlorite within qtz vein	0.247	<0.5	5	8	19	TB21164878
SC-02	30	0.5	8733046	504750.871	5507582.539	398	21-Jun-22	Ann Pressley	Quartz Vein	Aphanitic	white	Glassy	40	py	3	blebby				strong	ankerite	pervasive	moderate	Qtz-ank-chl-py vn. 3% diss py. Chl frct-fill. 40%vn 60%WR.	0.216	<0.5	<5	10	44	TB21164878
SC-02	30	0.6	8733047	504750.602	5507582.114	398	21-Jun-22	Thomas Clark	Mafic volcanic	very fine	Green grey	Massive	15	pyrite	3	disseminated	pyrite	1	fracture-fill	strong	ankerite	semi-pervasive	strong	qtz-ank-chl-py vein. 3% diss py, 1% fracture-fill pyrite along qtz vein. Strong pervasive ankerite along surface of mafic volcanic	0.29	<0.5	8	38	52	TB21164878
SC-03	35	0.5	8733048	504753.56	5507581.922	398	21-Jun-22	Thomas Clark	Quartz Vein	very fine	red-brown	Glassy	55	pyrite	3	disseminated	pyrite	1	blebby	intense	ankerite	pervasive	strong	qtz-ank-chl-py vein. 3% disseminated pyrite within wallrock. 1% blebby pyrite within qtz vein. Intense pervasive ankerite alteration within vein, weak fracture fill ank within host rock	0.415	0.8	7	70	50	TB21164878
SC-03	35	0.5	8733049	504753.365	5507581.594	398	21-Jun-22	Ann Pressley	Quartz Vein	Aphanitic	red-brown	Glassy	40	pyrite	2	disseminated	pyrite	2	fracture-fill	intense	ankerite	pervasive	strong	Qtz-ank-chl-py vn. 2% diss cubic py in WR, 2% blebby py fracture-fill. 40%vn 60%WR.	0.361	0.6	7	15	24	TB21164878
SC-03	35	0.5	8733050	504753.164	5507581.285	398	21-Jun-22	Thomas Clark	Quartz Vein	very fine	white	Glassy	60	pyrite	4	disseminated				strong	ankerite	fracture-fill	strong	qtz-ank-chl-py, 3% disseminated pyrite within vein and host rock.	0.162	<0.5	5	12	37	TB21164878
Li21-001	45	1	8733063	505566.058	5507431.62	415	25-Jun-21	Percy Clark	Felsic Volcaniclastic	fine	light grey	Foliated	10	pyrite	1	disseminated	pyrite	1	vein fill	moderate	ankerite	semi-pervasive	weak	stringer veins in sample, strongly deformed clasts, spotty ank alt	0.045	<0.5	<5	25	220	TB21164878
Li21-001	45	50	8733064	505566.156	5507432.426	415	25-Jun-21	Percy Clark	Felsic Volcaniclastic	fine	light grey	Foliated	2	pyrite	2	blebby	pyrite			weak	ankerite	semi-pervasive	weak	weakly deformed, weakly altered fvcl, 0.5-1 cm pyrite grains	0.072	<0.5	6	61	217	TB21164878
Li21-001	45	60	8733065	505566.208	5507432.887	415	25-Jun-21	Percy Clark	Felsic Volcaniclastic	fine	light grey	Foliated	20	pyrite	6	blebby	pyrite	2	vein fill	strong	silica	semi-pervasive	moderate	strongly sil altered fvcl, pyrite occuring as 0.5-1cm euhedral blebs and along vn margins, sil alt occuring between qtz-ank-py vns 1-4cm wide	0.088	<0.5	<5	16	99	TB21164878
Li21-001a	45	50	8733066	505566.0682	5507433.385	415	25-Jun-21	Percy Clark	Felsic Volcaniclastic	fine	light grey	Foliated	30	pyrite	3	blebby	pyrite	1	vein fill	strong	silica	semi-pervasive	moderate	strongly sil-ank altered fvcl with qtz-ank py veins showing vugs and py stringers along margins	1.58	<0.5	9	27	100	TB21164878
Li21-001a	45	30	8733067	505566.136	5507433.817	415	25-Jun-21	Percy Clark	Felsic Volcaniclastic	fine	light grey	Foliated	30	pyrite	5	blebby	pyrite			moderate	ankerite	patchy	moderate	mod alt incl fvcl with patchy ank alt and 1-2cm py blebs, qtz-ank veins	0.549	<0.5	6	18	73	TB21164878

Appendix F: Grab and Channel Sample Certificates of Analysis

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-JUN-2021
Account: KECIBQJN

CERTIFICATE TB21125163

Project: Van Horne

This report is for 72 samples of Drill Core submitted to our lab in Thunder Bay, ON, Canada on 19-MAY-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125163

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B732701		2.02	<0.5	<5	18	12	0.088	
B732702		1.62	<0.5	5	4	37	2.74	
B732703		1.09	1.0	<5	11	26	0.540	
B732704		0.72	<0.5	<5	2	20	0.034	
B732705		1.04	<0.5	<5	1	11	0.184	
B732706		0.46	<0.5	<5	3	33	0.143	
B732707		0.44	<0.5	7	3	22	0.279	
B732708		1.29	<0.5	<5	6	92	0.005	
B732709		0.71	<0.5	<5	3	19	<0.005	
B732710		1.53	<0.5	<5	12	60	<0.005	
B732711		1.63	<0.5	<5	9	17	<0.005	
B732712		1.57	<0.5	<5	17	80	<0.005	
B732713		1.65	<0.5	<5	18	18	<0.005	
B732714		1.42	<0.5	<5	30	68	0.013	
B732715		0.95	<0.5	<5	7	49	0.015	
B732716		0.88	<0.5	<5	15	44	<0.005	
B732717		1.66	<0.5	<5	6	37	<0.005	
B732718		0.84	<0.5	<5	21	33	0.549	
B732719		0.85	<0.5	<5	5	55	0.006	
B732720		0.11	<0.5	<5	17	34	<0.005	
B732721		1.57	<0.5	<5	2	3	<0.005	
B732722		1.44	<0.5	<5	15	17	0.009	
B732723		1.86	<0.5	<5	2	5	<0.005	
B732724		0.53	<0.5	<5	15	266	<0.005	
B732725		1.59	<0.5	<5	41	74	<0.005	
B732726		1.88	<0.5	<5	4	74	<0.005	
B732727		1.33	<0.5	<5	8	43	<0.005	
B732728		1.54	<0.5	<5	14	71	0.042	
B732729		1.28	<0.5	<5	38	272	0.006	
B732730		1.45	<0.5	<5	2	14	0.223	
B732731		1.24	<0.5	5	18	100	2.60	
B732732		1.14	<0.5	12	18	94	1.455	
B732733		1.09	1.0	10	36	80	3.91	3.67
B732734		1.34	1.1	6	131	2860	0.602	
B732737		1.57	<0.5	<5	4	22	0.005	
B732738		1.07	<0.5	<5	2	18	<0.005	
B732739		0.84	<0.5	<5	2	136	<0.005	
B732740		0.07	1.5	20	46	95	1.355	
B732741		0.82	0.6	8	4	42	0.934	
B732742		1.21	<0.5	<5	1	15	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125163

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B732743		1.48	<0.5	<5	5	19	<0.005	
B732744		0.81	<0.5	<5	3	16	<0.005	
B732746		1.53	<0.5	8	20	122	1.205	
B732747		1.54	<0.5	8	71	2310	1.380	
B732748		1.26	0.8	32	24	222	0.717	
B732752		0.65	<0.5	<5	13	68	<0.005	
B732753		1.43	<0.5	11	3	42	0.483	
B732754		1.13	<0.5	8	1	6	1.890	
B732755		1.23	<0.5	7	8	30	3.18	2.80
B732756		1.12	<0.5	7	75	136	0.330	
B732758		1.23	<0.5	<5	5	42	<0.005	
B732759		1.27	<0.5	<5	2	20	<0.005	
B732760		1.26	<0.5	<5	11	40	<0.005	
B732763		1.23	<0.5	<5	3	30	0.012	
B732765		1.43	<0.5	<5	1	6	0.040	
B732766		1.52	3.8	9	5	16	<0.005	
B732767		1.35	0.7	11	8	10	<0.005	
B732768		0.91	<0.5	<5	1	9	<0.005	
B732769		0.36	<0.5	<5	3	31	0.738	
B732770		0.48	1.2	<5	11	567	>10.0	36.3
B732771		0.38	0.6	<5	4	48	6.21	7.78
B732772		0.42	<0.5	<5	15	65	2.47	
B732773		1.62	1.5	<5	5	8780	3.96	2.60
B732774		1.41	<0.5	<5	16	1330	0.195	
B732775		2.02	<0.5	<5	13	1520	0.112	
B732776		0.60	8.0	<5	2	99	0.284	
B732777		1.29	8.5	<5	124	434	>10.0	20.0
B732778		0.84	<0.5	<5	6	33	0.047	
B732779		0.75	<0.5	5	4	34	1.615	
B732780		0.12	0.7	6450	53	71	6.89	6.81
B732781		0.83	<0.5	12	11	78	0.061	
B732782		0.68	<0.5	6	12	98	1.225	

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125163

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-JUN-2021
Account: KECIBQJN

CERTIFICATE TB21125165

Project: Van Horne

This report is for 48 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 19-MAY-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125165

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au
	Units	kg	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	5	1	2	0.005
B732901		2.30	<0.5	<5	28	118	0.977
B732902		1.40	<0.5	<5	20	57	2.74
B732903		1.12	<0.5	<5	2	20	<0.005
B732904		1.11	<0.5	<5	2	10	<0.005
B732905		0.74	<0.5	<5	5	27	<0.005
B732906		1.40	<0.5	<5	6	16	0.523
B732907		3.14	<0.5	<5	13	283	0.451
B732908		1.51	<0.5	17	19	153	<0.005
B732909		2.12	<0.5	5	5	34	<0.005
B732910		0.85	<0.5	<5	36	58	0.035
B732911		2.08	<0.5	<5	5	22	0.466
B732912		1.88	<0.5	7	4	36	0.187
B732913		1.05	<0.5	7	5	64	2.40
B732914		1.76	<0.5	<5	8	21	<0.005
B732915		1.54	<0.5	<5	10	71	<0.005
B732916		1.74	<0.5	<5	36	51	0.021
B732917		1.17	<0.5	<5	2	14	<0.005
B732918		2.12	<0.5	5	5	32	0.895
B732919		2.29	<0.5	5	8	25	0.189
B732920		0.11	<0.5	<5	19	38	<0.005
B732921		2.65	<0.5	<5	47	144	0.082
B732922		0.83	<0.5	<5	8	18	<0.005
B732923		1.43	<0.5	<5	3	11	<0.005
B732924		1.24	<0.5	<5	3	19	<0.005
B732925		1.34	<0.5	<5	408	145	0.012
B732926		0.93	<0.5	<5	7	19	<0.005
B732927		1.45	<0.5	<5	28	59	<0.005
B732928		1.11	<0.5	<5	9	29	<0.005
B732929		0.88	<0.5	<5	3	22	<0.005
B732930		1.06	<0.5	<5	42	147	0.141
B732931		1.23	<0.5	<5	54	102	0.029
B732932		1.27	<0.5	<5	18	138	0.013
B732933		1.45	<0.5	<5	7	36	<0.005
B732934		2.22	<0.5	<5	39	80	0.064
B732935		2.26	<0.5	<5	6	26	0.011
B732936		1.72	<0.5	<5	4	26	0.006
B732937		2.40	<0.5	<5	25	134	0.025
B732938		2.06	<0.5	<5	7	13	0.055
B732939		2.15	1.7	<5	34	323	0.020
B732940		0.07	1.2	18	42	92	1.020

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125165

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005
B732941		0.90	<0.5	<5	9	63	0.028
B732942		2.96	<0.5	<5	11	10	<0.005
B732943		1.77	<0.5	<5	258	34	0.878
B732944		1.32	0.6	<5	269	28	0.278
B732945		1.69	<0.5	<5	25	17	0.013
B732946		2.77	<0.5	<5	22	92	0.057
B732947		2.05	<0.5	<5	19	13	0.019
B732948		1.71	<0.5	<5	13	19	0.690

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21125165

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA24	ME-ICP61

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-JUN-2021
Account: KECIBQJN

CERTIFICATE TB21130522

Project: Van Horne

This report is for 35 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 25-MAY-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21130522

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B732783		1.61	<0.5	<5	5	10	<0.005	
B732784		0.77	<0.5	<5	5	25	0.009	
B732785		0.78	<0.5	<5	21	139	1.740	
B732786		1.19	<0.5	<5	4	11	0.062	
B732787		1.40	<0.5	<5	1	283	<0.005	
B732788		0.55	<0.5	<5	58	151	0.102	
B732789		1.02	<0.5	<5	38	84	2.11	
B732790		Not Recvd						
B732791		0.66	<0.5	<5	84	82	0.012	
B732792		2.09	1.4	16	22	29	8.96	10.20
B732793		1.49	<0.5	5	10	400	1.015	
B732794		1.72	<0.5	<5	5	171	0.110	
B732795		1.80	0.9	52	6	58	2.05	
B732796		1.41	<0.5	7	7	34	0.262	
B732800		Not Recvd						
B732803		0.95	<0.5	7	4	22	0.396	
B732804		1.75	<0.5	<5	5	42	0.098	
B732949		2.66	<0.5	5	61	148	<0.005	
B732950		2.04	<0.5	<5	49	137	<0.005	
B732951		1.00	<0.5	<5	1	31	<0.005	
B732952		1.13	<0.5	5	50	81	<0.005	
B732953		1.73	<0.5	6	64	112	0.604	
B732954		1.11	<0.5	<5	2	11	<0.005	
B732955		0.63	<0.5	8	71	78	0.006	
B732956		1.52	<0.5	<5	17	83	0.819	
B732957		2.61	<0.5	<5	26	87	0.007	
B732960		1.38	<0.5	<5	15	48	<0.005	
B732962		1.51	<0.5	<5	7	47	0.011	
B732963		1.73	0.7	12	7	23	3.58	3.47
B732964		1.66	<0.5	7	9	41	1.075	
B732965		1.32	0.7	22	18	64	3.11	3.68
B732966		0.82	<0.5	5	6	18	0.104	
B732967		1.42	<0.5	<5	21	40	0.077	
B732968		0.97	<0.5	<5	7	57	0.355	
B732969		1.16	<0.5	<5	23	106	0.025	

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21130522

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	PUL-31
	PUL-QC	SPL-21	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 26-JUN-2021
Account: KECIBQJN

CERTIFICATE TB21148732

Project: Van Horne

This report is for 45 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 11-JUN-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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TORONTO ON M5J 2V5

Finalized Date: 26-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21148732

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005
B732805		0.81	<0.5	<5	7	35	0.011
B732806		1.27	<0.5	<5	4	44	<0.005
B732807		1.22	<0.5	<5	3	7	<0.005
B732808		0.92	<0.5	<5	3	40	<0.005
B732809		0.92	<0.5	<5	4	13	<0.005
B732810		1.56	<0.5	<5	11	48	<0.005
B732811		0.67	<0.5	<5	2	28	<0.005
B732812		0.95	<0.5	<5	1	4	<0.005
B732813		0.74	<0.5	<5	18	40	0.005
B732814		1.71	<0.5	<5	7	12	<0.005
B732815		1.73	<0.5	<5	9	29	0.028
B732816		0.53	<0.5	<5	6	24	0.212
B732817		1.14	<0.5	<5	2	11	<0.005
B732818		1.24	<0.5	<5	29	23	<0.005
B732819		0.72	<0.5	<5	3	5	<0.005
B732820		0.11	<0.5	<5	19	38	0.011
B732821		1.05	<0.5	<5	10	27	<0.005
B732822		1.54	<0.5	<5	20	64	<0.005
B732823		0.82	<0.5	<5	2	12	0.031
B732824		0.57	<0.5	<5	1	14	0.005
B732825		0.65	<0.5	5	54	6	0.317
B732826		1.19	<0.5	5	4	9	0.110
B732827		1.28	<0.5	<5	2	4	<0.005
B732828		2.62	<0.5	<5	1	9	<0.005
B732829		1.34	0.5	<5	4	9	0.147
B732830		2.20	<0.5	<5	6	120	<0.005
B732831		1.02	<0.5	<5	15	3	0.005
B732832		1.74	<0.5	6	8	46	0.005
B732833		0.95	<0.5	8	6	13	1.135
B732834		0.90	<0.5	<5	18	26	0.594
B732835		1.60	<0.5	<5	4	27	0.028
B732836		1.10	<0.5	<5	1	3	<0.005
B732837		1.84	<0.5	<5	9	34	0.008
B732838		2.17	<0.5	<5	2	65	0.011
B732839		1.43	<0.5	7	39	112	<0.005
B732840		0.07	1.4	18	43	90	1.030
B732841		1.12	<0.5	<5	1	3	<0.005
B732842		1.15	<0.5	<5	1	16	<0.005
B732958		2.11	<0.5	<5	5	152	<0.005
B732959		1.30	<0.5	<5	2	85	0.016

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 26-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21148732

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005
B732961		1.27	<0.5	<5	8	116	<0.005
B732970		1.34	<0.5	<5	5	77	<0.005
B732971		2.68	<0.5	<5	133	53	0.007
B732972		0.59	<0.5	6	64	84	<0.005
B732973		2.48	<0.5	<5	8	49	0.010

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 26-JUN-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21148732

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA24	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-JUL-2021
Account: KECIBQJN

CERTIFICATE TB21159440

Project: Van Horne

This report is for 64 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 22-JUN-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Additional Au-GRA22 check assay for sample B732978 reports 6.16 ppm.

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21159440

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	5	1	2	0.005	0.05
B732974		1.51	<0.5	<5	5	39	<0.005	
B732975		0.90	<0.5	<5	9	44	<0.005	
B732976		1.41	<0.5	<5	6	92	<0.005	
B732977		0.74	0.5	<5	2	28	0.013	
B732978		0.88	<0.5	<5	9	53	>10.0	1.63
B732979		1.73	<0.5	<5	8	37	<0.005	
B732980		0.10	0.8	6460	53	71	6.24	6.70
B732981		2.46	<0.5	13	2	33	<0.005	
B732982		2.65	<0.5	<5	2	41	<0.005	
B732983		2.12	<0.5	<5	2	35	<0.005	
B732984		2.11	<0.5	<5	1	31	<0.005	
B732985		2.45	<0.5	<5	5	16	<0.005	
B732986		1.62	<0.5	<5	19	49	<0.005	
B732987		1.05	<0.5	<5	11	30	0.083	
B732988		1.22	<0.5	<5	11	106	0.038	
B732989		1.73	<0.5	<5	9	24	<0.005	
B732990		0.74	<0.5	<5	18	74	0.007	
B732991		1.45	<0.5	<5	1	9	<0.005	
B732992		1.92	<0.5	<5	10	117	<0.005	
B732993		3.20	<0.5	<5	35	34	<0.005	
B732994		1.86	<0.5	<5	39	262	0.124	
B732995		2.20	<0.5	<5	13	98	0.006	
B732996		1.24	<0.5	<5	58	200	<0.005	
B732997		0.99	<0.5	<5	24	79	<0.005	
B732998		1.81	<0.5	<5	11	34	0.005	
B732999		1.85	<0.5	<5	19	85	0.340	
B733000		0.11	<0.5	<5	17	36	<0.005	
B733001		1.44	<0.5	<5	1	6	<0.005	
B733002		1.45	<0.5	<5	34	527	0.767	
B733003		1.20	<0.5	<5	18	68	0.077	
B733004		1.74	<0.5	<5	14	20	0.669	
B733005		2.84	<0.5	<5	14	39	<0.005	
B733006		1.47	<0.5	<5	5	13	0.048	
B733007		0.68	0.6	<5	72	113	2.34	
B733008		1.63	<0.5	<5	84	71	0.286	
B733009		1.59	<0.5	<5	50	117	0.036	
B733010		1.13	<0.5	<5	21	16	0.933	
B733011		1.90	<0.5	<5	13	19	0.029	
B733012		1.41	<0.5	<5	50	64	1.180	
B733013		2.42	<0.5	<5	32	27	0.054	

Comments: Additional Au-GRA22 check assay for sample B732978 reports 6.16 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21159440

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	5	1	2	0.005	0.05
B733014		2.52	<0.5	<5	139	31	0.591	
B733015		1.86	<0.5	<5	30	34	0.463	
B733016		0.80	<0.5	<5	<1	72	<0.005	
B733017		1.97	<0.5	<5	337	25	0.005	
B733018		1.09	<0.5	<5	55	3	<0.005	
B733019		0.83	<0.5	7	12	4	<0.005	
B733020		0.07	1.4	16	40	89	1.085	
B733021		1.53	<0.5	<5	225	59	0.008	
B733022		0.94	<0.5	<5	8	10	<0.005	
B733023		1.02	<0.5	6	23	20	0.005	
B733024		0.80	<0.5	<5	2	9	<0.005	
B733025		1.44	<0.5	<5	3	25	<0.005	
B733026		2.04	<0.5	<5	97	34	<0.005	
B733027		1.34	<0.5	5	104	34	<0.005	
B733028		3.03	<0.5	<5	16	4	<0.005	
B733029		2.53	<0.5	<5	96	202	<0.005	
B733030		1.79	<0.5	5	318	353	<0.005	
B733031		2.55	<0.5	<5	216	538	0.007	
B733032		1.30	<0.5	7	129	329	<0.005	
B733033		2.17	<0.5	<5	196	642	0.007	
B733034		1.38	<0.5	<5	16	31	<0.005	
B733035		2.30	<0.5	5	16	36	0.005	
B733036		1.37	<0.5	5	5	23	0.005	
B733037		0.79	<0.5	5	3	44	0.007	

Comments: Additional Au-GRA22 check assay for sample B732978 reports 6.16 ppm.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21159440

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 17-JUL-2021
Account: KECIBQJN

CERTIFICATE TB21164878

Project: Van Horne

This report is for 41 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 28-JUN-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 17-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21164878

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B732843	0.81	<0.5	<5	8	7	0.012	
B732844	2.00	<0.5	<5	4	10	0.006	
B732845	0.86	<0.5	<5	21	10	0.245	
B732846	0.89	0.8	<5	8	9	0.472	
B732847	0.52	<0.5	<5	9	10	0.368	
B732848	1.03	<0.5	<5	11	339	<0.005	
B733038	3.07	<0.5	6	20	93	0.251	
B733039	3.03	0.9	10	39	45	0.919	
B733040	0.07	1.5	14	44	93	0.978	
B733041	2.65	0.5	<5	22	49	0.321	
B733042	4.97	1.0	15	56	52	1.355	
B733043	2.82	<0.5	<5	9	40	0.069	
B733044	3.21	<0.5	<5	7	36	0.150	
B733045	3.77	<0.5	5	8	19	0.247	
B733046	3.39	<0.5	<5	10	44	0.216	
B733047	3.89	<0.5	8	38	52	0.290	
B733048	3.21	0.8	7	70	50	0.415	
B733049	2.30	0.6	7	15	24	0.361	
B733050	2.56	<0.5	5	12	37	0.162	
B733051	1.69	<0.5	<5	14	1125	5.38	5.89
B733052	0.91	<0.5	<5	22	60	0.051	
B733053	1.23	<0.5	<5	25	81	1.085	
B733054	1.50	<0.5	<5	38	53	0.427	
B733055	0.71	<0.5	5	81	122	0.032	
B733056	0.75	<0.5	<5	6	54	1.320	
B733057	0.67	0.7	9	26	31	2.31	
B733058	0.84	<0.5	<5	7	20	0.070	
B733059	0.83	<0.5	<5	7	23	0.160	
B733060	0.78	<0.5	<5	12	43	<0.005	
B733061	1.27	1.4	<5	4	14	1.125	
B733062	1.12	0.6	20	15	37	2.06	
B733063	4.68	<0.5	<5	25	220	0.045	
B733064	4.15	<0.5	6	61	217	0.072	
B733065	4.04	<0.5	<5	16	99	0.088	
B733066	3.12	<0.5	9	27	100	1.580	
B733067	2.06	<0.5	6	18	73	0.549	
B733068	3.20	<0.5	<5	18	119	0.079	
B733069	3.06	<0.5	<5	32	40	0.029	
B733070	4.12	<0.5	<5	26	45	0.077	
B733071	3.94	<0.5	<5	35	52	0.034	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 17-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21164878

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733072		1.53	<0.5	<5	34	65	0.017	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 17-JUL-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21164878

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-AUG-2021
Account: KECIBQJN

CERTIFICATE TB21181254

Project: Van Horne

This report is for 38 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 14-JUL-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21181254

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B732849		0.72	<0.5	<5	6	103	0.397	
B732850		1.05	<0.5	<5	7	156	0.013	
B732851		0.89	<0.5	<5	9	104	<0.005	
B732852		1.53	72.9	<5	4	164	0.221	
B732853		0.75	<0.5	<5	5	134	0.368	
B732854		1.21	<0.5	<5	5	133	1.065	
B732855		0.41	0.9	<5	47	24	0.030	
B732856		1.31	<0.5	<5	17	70	<0.005	
B732857		0.99	<0.5	<5	6	62	0.324	
B732858		1.45	<0.5	<5	17	80	0.083	
B732859		1.28	<0.5	<5	17	214	<0.005	
B732860		1.60	<0.5	<5	11	40	0.005	
B732861		1.69	<0.5	<5	22	48	<0.005	
B732862		1.38	1.0	5	10	200	1.440	
B732863		0.62	0.5	<5	5	36	0.189	
B732864		0.57	<0.5	<5	4	7	0.011	
B732865		0.60	<0.5	<5	5	14	<0.005	
B732866		1.33	<0.5	<5	4	110	0.005	
B732867		1.16	<0.5	<5	5	81	<0.005	
B732868		1.43	<0.5	<5	3	7	<0.005	
B732869		2.25	<0.5	<5	7	126	<0.005	
B732870		0.96	<0.5	<5	1	3	<0.005	
B732871		2.03	<0.5	<5	4	16	<0.005	
B732872		0.97	0.7	<5	3	6	0.009	
B732873		1.76	<0.5	<5	1	4	<0.005	
B732874		0.67	<0.5	<5	3	7	0.099	
B733073		1.46	<0.5	<5	1	26	<0.005	
B733074		1.56	<0.5	<5	2	16	<0.005	
B733075		1.73	1.1	<5	6	43	2.09	
B733076		2.28	<0.5	<5	1	42	0.007	
B733077		1.19	<0.5	<5	2	29	0.007	
B733078		0.97	<0.5	<5	2	6	1.150	
B733079		1.69	<0.5	<5	21	153	<0.005	
B733080		0.12	1.0	6620	52	71	7.00	6.55
B733081		2.76	<0.5	9	25	129	<0.005	
B733082		1.50	<0.5	<5	6	84	<0.005	
B733083		0.86	<0.5	<5	5	15	<0.005	
B733084		1.14	<0.5	<5	2	19	0.019	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21181254

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-AUG-2021
Account: KECIBQJN

CERTIFICATE TB21187621

Project: Van Horne

This report is for 41 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 20-JUL-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21187621

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733085	2.09	<0.5	<5	10	20	0.099	
B733086	2.32	0.6	<5	43	39	1.545	
B733087	2.89	0.5	<5	87	79	0.674	
B733088	2.86	<0.5	8	17	212	0.460	
B733089	2.08	<0.5	13	76	351	0.161	
B733090	2.61	5.5	19	197	111	7.64	7.49
B733091	2.39	17.8	42	94	125		139.0
B733092	3.56	2.0	28	46	113	9.97	9.54
B733093	3.54	1.7	11	39	89	>10.0	7.68
B733094	1.67	<0.5	<5	34	152	1.045	
B733095	1.51	<0.5	12	48	521	0.461	
B733096	3.11	<0.5	<5	16	31	0.053	
B733097	1.58	<0.5	<5	39	110	0.013	
B733098	1.05	0.5	<5	4	23	0.348	
B733099	0.85	<0.5	<5	68	50	2.23	
B733100	0.11	<0.5	<5	19	39	<0.005	
B733101	1.81	0.7	10	12	97	0.204	
B733102	2.84	0.5	8	13	70	0.409	
B733103	2.97	<0.5	8	36	184	0.333	
B733104	2.03	<0.5	<5	36	221	0.015	
B733105	3.43	<0.5	12	21	93	4.44	4.90
B733106	2.62	1.6	12	73	27	>10.0	12.70
B733107	2.23	2.7	19	42	29	>10.0	46.7
B733108	1.92	1.8	20	20	55	0.604	
B733109	1.46	0.7	27	17	17	0.285	
B733110	1.17	<0.5	<5	11	11	0.041	
B733401	0.58	<0.5	<5	2	3	0.023	
B733402	0.91	<0.5	<5	20	5	0.009	
B733403	1.12	1.0	8	3	6	5.69	4.79
B733404	0.92	<0.5	7	14	131	0.415	
B733405	1.26	0.9	7	7	18	0.385	
B733406	1.10	<0.5	<5	4	8	0.054	
B733407	0.95	<0.5	7	8	24	0.579	
B733408	1.27	<0.5	5	3	2	0.149	
B733409	0.94	<0.5	7	15	53	0.560	
B733410	1.23	<0.5	<5	25	14	0.202	
B733411	2.38	<0.5	7	2	9	1.290	
B733412	1.35	<0.5	15	5	69	0.214	
B733413	0.72	<0.5	<5	4	7	0.109	
B733414	1.58	<0.5	<5	3	4	0.006	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21187621

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733415		0.83	<0.5	<5	1	<2	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21187621

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-AUG-2021
Account: KECIBQJN

CERTIFICATE TB21195248

Project: Van Horne

This report is for 68 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 27-JUL-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21195248

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Cu-OG62 Cu % 0.001	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
B732875		1.48	<0.5	<5	2	67		<0.005		
B732876		1.42	<0.5	<5	6	83		0.033		
B732877		1.61	<0.5	<5	77	96		0.022		
B732878		0.66	<0.5	<5	2	25		0.009		
B733110		Not Recvd								
B733111		1.23	<0.5	<5	71	150		0.015		
B733112		0.86	<0.5	<5	3	7		<0.005		
B733113		1.72	<0.5	<5	14	19		<0.005		
B733114		1.15	95.1	<5	>10000	394	1.120	5.67	5.03	
B733115		1.30	55.7	<5	6080	396		>10.0	14.60	8.33
B733116		1.59	1.0	<5	86	27		0.064		
B733117		1.32	<0.5	<5	62	36		0.010		
B733118		0.98	<0.5	<5	15	15		<0.005		
B733119		1.14	80.2	8	>10000	562	2.17	2.95		
B733120		0.11	<0.5	<5	38	37		0.005		
B733121		1.04	1.9	<5	385	16		0.015		
B733122		1.07	<0.5	<5	22	49		0.277		
B733123		1.54	<0.5	<5	21	49		0.006		
B733124		0.84	<0.5	<5	47	36		0.213		
B733125		1.46	0.8	5	15	44		0.239		
B733126		0.90	<0.5	<5	24	48		0.006		
B733301		1.17	<0.5	<5	33	31		0.117		
B733302		1.56	<0.5	12	12	109		0.070		
B733303		1.43	<0.5	<5	1645	10		0.889		
B733304		1.87	<0.5	<5	255	95		0.344		
B733305		2.55	<0.5	<5	10	11		0.191		
B733306		1.37	<0.5	15	16	19		0.278		
B733416		0.83	<0.5	<5	7	24		<0.005		
B733417		1.47	<0.5	<5	7	30		0.037		
B733418		1.10	<0.5	<5	21	42		<0.005		
B733419		0.84	<0.5	<5	2	7		<0.005		
B733420		0.11	<0.5	<5	19	38		<0.005		
B733421		1.80	<0.5	<5	9	29		<0.005		
B733422		1.26	<0.5	<5	8	38		0.036		
B733423		1.76	<0.5	<5	38	40		0.119		
B733424		0.74	<0.5	<5	9	34		0.024		
B733425		1.29	<0.5	<5	4	21		0.310		
B733426		0.97	<0.5	<5	5	24		0.358		
B733427		0.64	<0.5	<5	10	28		0.031		
B733428		0.55	<0.5	<5	6	8		0.039		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21195248

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Cu-OG62 Cu % 0.001	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
B733429		0.83	<0.5	5	2	27		2.49		
B733430		0.61	<0.5	<5	3	27		0.007		
B733431		0.86	<0.5	<5	6	134		<0.005		
B733432		1.11	<0.5	<5	6	39		0.011		
B733433		1.28	<0.5	5	9	57		<0.005		
B733434		1.07	<0.5	<5	63	131		0.012		
B733435		0.91	<0.5	<5	2	10		<0.005		
B733436		0.88	<0.5	<5	2	26		<0.005		
B733437		0.58	<0.5	<5	9	3		<0.005		
B733438		1.23	<0.5	<5	11	273		0.017		
B733439		0.75	<0.5	<5	3	4		0.018		
B733440		0.07	1.2	17	43	93		1.060		
B733441		0.55	<0.5	<5	11	1030		<0.005		
B733442		1.54	<0.5	<5	7	26		<0.005		
B733443		1.73	<0.5	<5	7	64		0.067		
B733444		1.33	<0.5	<5	2	4		<0.005		
B733445		1.41	<0.5	<5	28	22		0.006		
B733446		0.77	<0.5	<5	1	11		<0.005		
B733447		0.74	<0.5	<5	1	2		<0.005		
B733448		1.77	<0.5	8	6	69		0.410		
B733449		1.63	<0.5	8	1	163		0.722		
B733450		0.66	<0.5	<5	2	14		0.017		
B733451		1.08	<0.5	<5	8	290		<0.005		
B733452		1.62	1.2	<5	11	182		<0.005		
B733453		2.16	<0.5	<5	2	153		<0.005		
B733454		0.76	<0.5	<5	1	74		<0.005		
B733455		0.91	<0.5	<5	1	122		<0.005		
B733456		1.40	<0.5	<5	1	25		<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-AUG-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21195248

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	Cu-OG62	ME-ICP61
	ME-OG62			

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 4-SEP-2021
Account: KECIBQJN

CERTIFICATE TB21211081

Project: Van Horne

This report is for 28 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 11-AUG-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 4-SEP-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21211081

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005
B733127		2.00	0.8	<5	138	112	0.113
B733128		1.16	1.7	5	134	103	1.205
B733129		1.21	<0.5	<5	43	30	<0.005
B733307		1.15	<0.5	<5	5	17	<0.005
B733308		1.38	<0.5	<5	36	88	<0.005
B733309		0.92	<0.5	<5	9	25	0.006
B733310		1.00	<0.5	<5	12	83	<0.005
B733311		1.16	<0.5	<5	3	13	<0.005
B733312		1.19	<0.5	<5	2	4	0.016
B733313		0.66	<0.5	<5	6	20	<0.005
B733314		1.01	<0.5	<5	2	29	<0.005
B733315		1.32	<0.5	<5	15	116	<0.005
B733316		1.24	<0.5	<5	150	18	<0.005
B733317		0.72	<0.5	<5	57	38	<0.005
B733318		3.29	<0.5	5	106	9	0.005
B733319		1.01	<0.5	<5	6	15	1.810
B733320		0.11	<0.5	<5	19	37	<0.005
B733321		1.08	0.5	<5	164	147	0.011
B733322		0.77	<0.5	<5	39	111	<0.005
B733323		0.78	<0.5	<5	3	8	<0.005
B733324		1.19	<0.5	<5	9	102	<0.005
B733326		0.97	<0.5	<5	8	55	<0.005
B733327		0.88	<0.5	<5	12	39	<0.005
B733328		0.80	4.0	7	27	127	<0.005
B733329		1.42	0.6	<5	42	150	0.058
B733330		1.63	<0.5	<5	21	11	<0.005
B733458		1.12	<0.5	<5	3	14	<0.005
B733459		0.59	<0.5	<5	2	18	0.526

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 4-SEP-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21211081

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA24	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-SEP-2021
Account: KECIBQJN

CERTIFICATE TB21221952

Project: Van Horne

This report is for 71 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-SEP-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21221952

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	Au-GRA22
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au	Au Check
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	5	1	2	0.005	0.05	0.05
B733130		2.18	<0.5	<5	90	75	<0.005		
B733131		1.23	<0.5	<5	19	31	0.005		
B733132		1.32	<0.5	<5	6	9	0.006		
B733133		1.97	<0.5	<5	55	104	0.007		
B733134		1.78	0.5	<5	101	56	0.010		
B733135		1.77	0.8	<5	463	53	0.012		
B733136		3.37	<0.5	<5	49	99	<0.005		
B733137		1.39	<0.5	10	35	17	0.252		
B733138		1.56	<0.5	<5	43	96	0.300		
B733139		0.94	<0.5	<5	11	20	0.347		
B733140		0.89	<0.5	<5	11	40	<0.005		
B733141		1.87	<0.5	<5	3	16	0.042		
B733142		1.63	<0.5	8	1	74	0.150		
B733143		1.88	<0.5	6	16	43	0.966		
B733144		2.12	0.5	5	4	59	0.101		
B733145		2.12	<0.5	<5	4	27	0.040		
B733146		3.15	0.5	9	23	92	2.17		
B733147		3.06	0.5	12	30	90	1.300		
B733148		2.14	<0.5	<5	79	95	0.046		
B733149		1.58	<0.5	<5	28	9	0.044		
B733150		0.78	<0.5	<5	15	110	<0.005		
B733151		1.47	<0.5	<5	11	29	<0.005		
B733152		2.12	<0.5	<5	111	88	<0.005		
B733153		1.24	<0.5	<5	43	45	0.005		
B733154		1.04	<0.5	<5	1	<2	<0.005		
B733155		1.11	<0.5	<5	60	80	<0.005		
B733156		1.89	<0.5	<5	8	12	<0.005		
B733157		1.66	<0.5	<5	13	40	0.183		
B733158		2.63	<0.5	<5	15	52	0.509		
B733159		2.11	<0.5	<5	18	74	0.349		
B733160		0.11	0.9	6100	51	69	6.64	7.48	
B733161		1.24	<0.5	8	10	53	0.098		
B733162		2.66	0.6	<5	6	65	0.594		
B733163		2.54	<0.5	<5	5	72	0.344		
B733164		1.21	<0.5	<5	8	44	0.285		
B733165		1.77	0.7	5	39	94	1.485		
B733166		1.72	0.6	<5	4	45	0.033		
B733167		2.66	0.8	11	21	10	1.515		
B733168		1.28	<0.5	<5	5	5	0.079		
B733169		1.69	<0.5	<5	4	18	3.82	2.73	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-SEP-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21221952

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
B733170	1.25	<0.5	<5	8	24	0.445		
B733171	1.74	<0.5	<5	11	20	0.318		
B733172	1.81	0.5	5	7	16	5.94	5.40	
B733173	1.85	<0.5	<5	3	12	0.319		
B733174	1.69	0.7	53	11	38	>10.0	9.35	
B733175	1.74	0.8	16	13	30	3.89	3.87	
B733176	2.00	<0.5	<5	1	2	0.026		
B733177	1.62	<0.5	<5	1	4	0.918		
B733178	1.87	<0.5	<5	1	<2	0.046		
B733179	1.02	<0.5	<5	12	31	0.006		
B733180	0.11	<0.5	<5	18	36	<0.005		
B733181	0.88	<0.5	<5	7	23	0.012		
B733182	2.51	<0.5	<5	13	16	4.89	1.05	0.88
B733183	2.07	16.4	<5	840	54	0.125		
B733184	1.25	<0.5	<5	7	11	0.021		
B733185	1.16	<0.5	<5	7	5	0.168		
B733186	1.54	<0.5	10	7	32	1.370		
B733187	1.19	<0.5	6	28	69	0.260		
B733188	1.32	<0.5	8	7	28	0.242		
B733189	1.39	<0.5	5	4	17	0.563		
B733190	1.09	<0.5	12	10	48	2.14		
B733191	3.31	0.7	<5	2	13	1.130		
B733192	2.46	1.1	18	2	27	1.355		
B733193	1.55	1.8	14	2	3	1.920		
B733194	2.49	0.7	<5	1	3	0.274		
B733195	2.07	<0.5	<5	11	88	0.041		
B733196	1.70	<0.5	<5	1	5	0.067		
B733197	2.08	<0.5	<5	3	107	0.219		
B733198	1.59	0.7	6	3	24	0.833		
B733199	2.09	0.5	<5	1	6	0.528		
B733200	0.07	1.5	16	41	86	0.980		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-SEP-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21221952

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 27-OCT-2021
Account: KECIBQJN

CERTIFICATE TB21244102

Project: Van Horne

This report is for 37 samples of Rock submitted to our lab in Thunder Bay, ON, Canada on 13-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 27-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21244102

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733201		1.06	<0.5	<5	28	61	0.125	
B733202		1.49	<0.5	<5	36	277	0.487	
B733203		1.31	<0.5	<5	107	131	0.010	
B733204		1.21	<0.5	<5	19	20	0.376	
B733205		0.94	<0.5	<5	16	44	0.180	
B733206		1.57	<0.5	<5	29	71	0.139	
B733207		1.26	19.5	34	55	71	>10.0	287
B733208		1.61	8.0	47	20	96	>10.0	38.3
B733209		1.54	6.9	38	34	105	>10.0	41.5
B733210		Not Recvd						
B733211		1.63	3.2	57	30	182	2.64	
B733212		1.39	1.3	18	20	89	2.53	
B733213		0.87	1.0	13	19	68	2.15	
B733214		1.93	<0.5	<5	7	23	0.226	
B733215		1.50	<0.5	5	14	29	0.164	
B733229		1.40	<0.5	<5	9	6	0.015	
B733230		2.31	<0.5	<5	98	21	0.011	
B733231		3.03	<0.5	<5	76	58	0.055	
B733232		2.18	<0.5	<5	53	20	<0.005	
B733233		2.40	<0.5	<5	2	10	0.007	
B733331		0.81	<0.5	<5	3	2	0.005	
B733332		1.48	<0.5	<5	11	22	0.008	
B733333		0.94	<0.5	<5	23	39	<0.005	
B733334		1.19	<0.5	<5	4	10	<0.005	
B733335		1.89	<0.5	<5	13	25	<0.005	
B733336		0.98	<0.5	<5	5	5	<0.005	
B733337		1.18	<0.5	<5	5	31	<0.005	
B733338		1.06	0.5	<5	13	54	>10.0	15.25
B733339		0.56	<0.5	<5	6	18	0.015	
B733340		0.09	2.5	14	41	90	NSS	
B733341		1.25	<0.5	<5	9	82	0.017	
B733342		1.98	<0.5	<5	10	55	<0.005	
B733343		1.48	<0.5	<5	4	40	<0.005	
B733344		0.76	<0.5	<5	3	45	<0.005	
B733345		0.70	<0.5	<5	13	20	<0.005	
B733346		0.97	<0.5	<5	5	9	<0.005	
B733347		2.04	<0.5	<5	14	26	<0.005	

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 27-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21244102

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

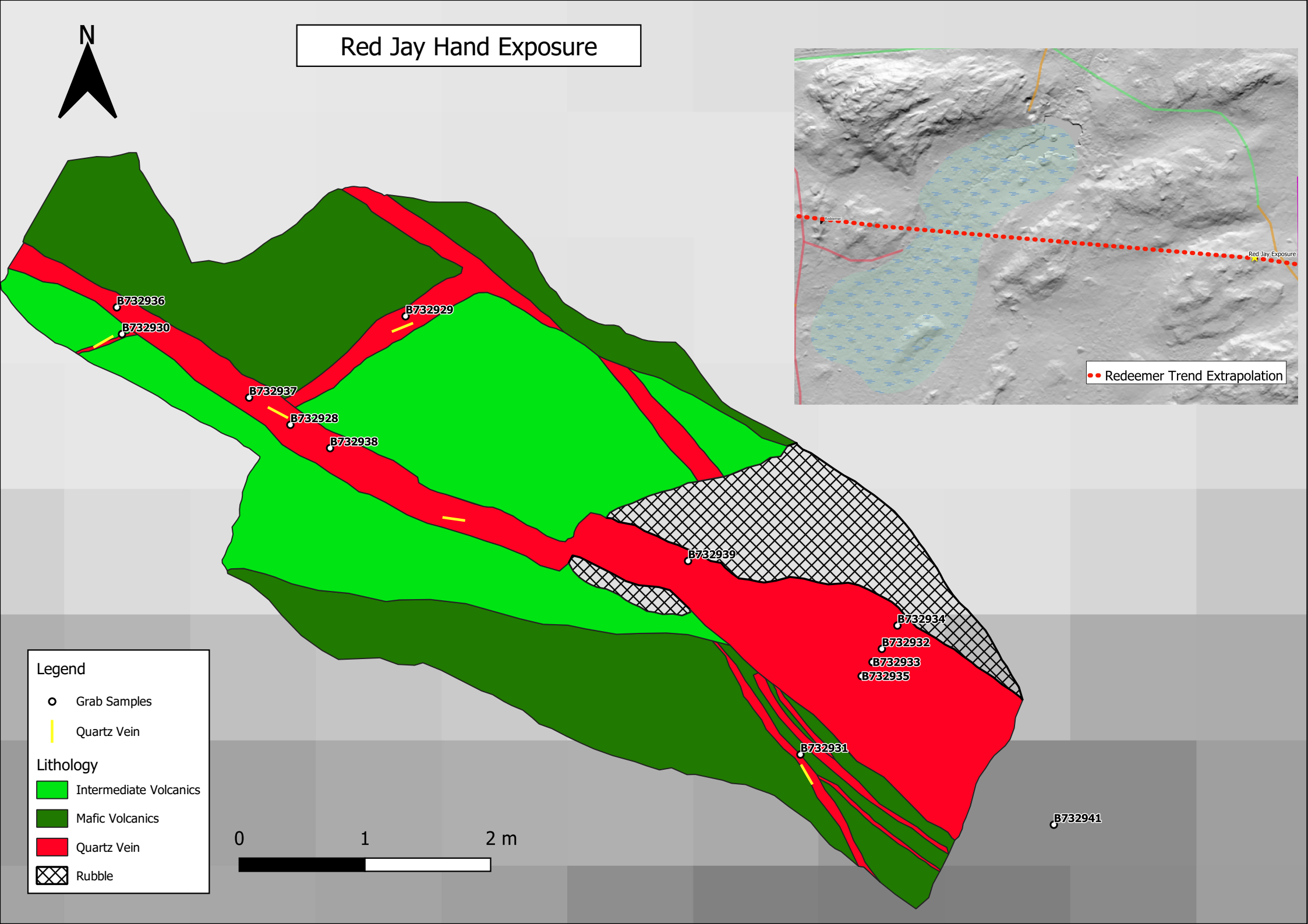
Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

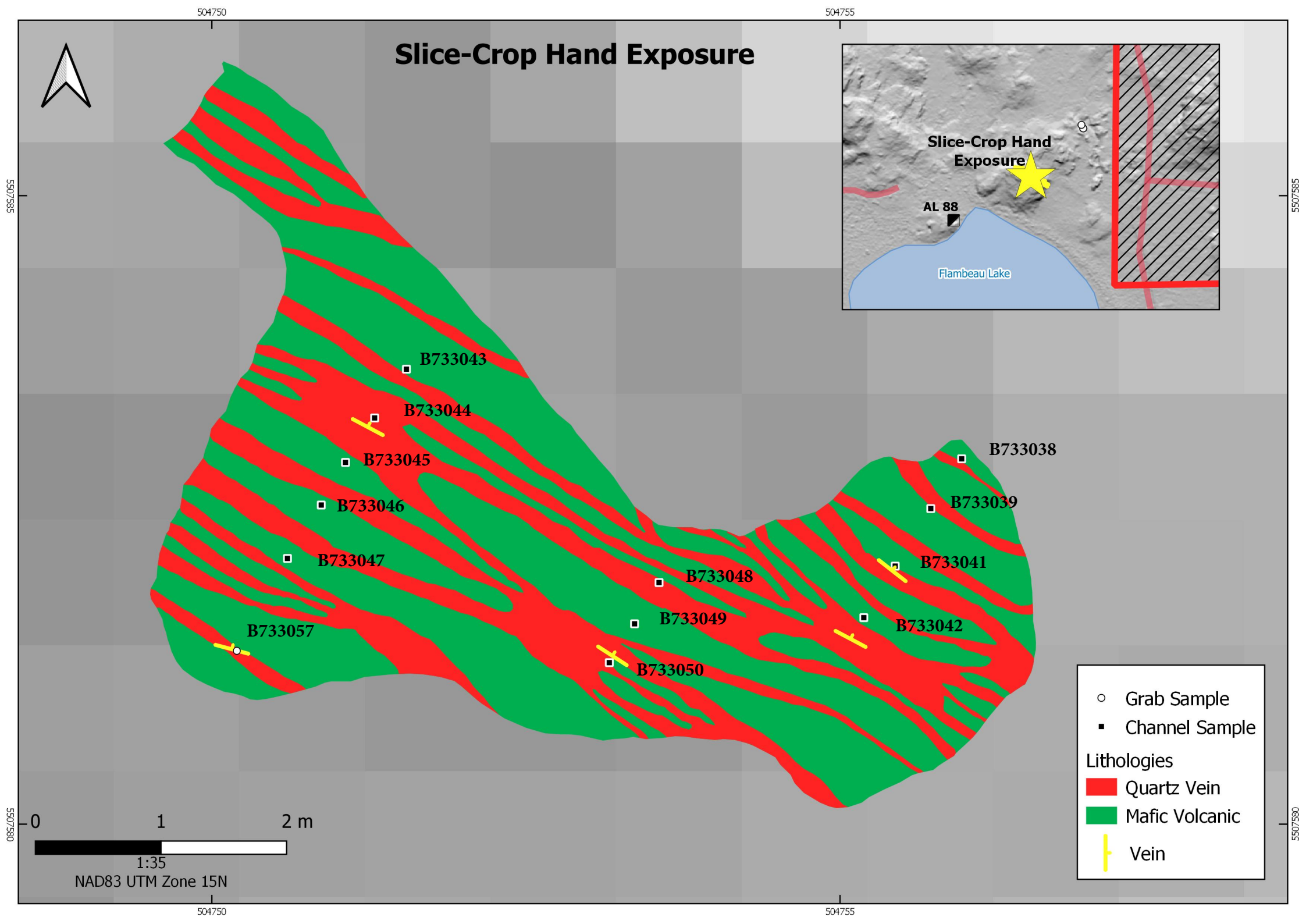
Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

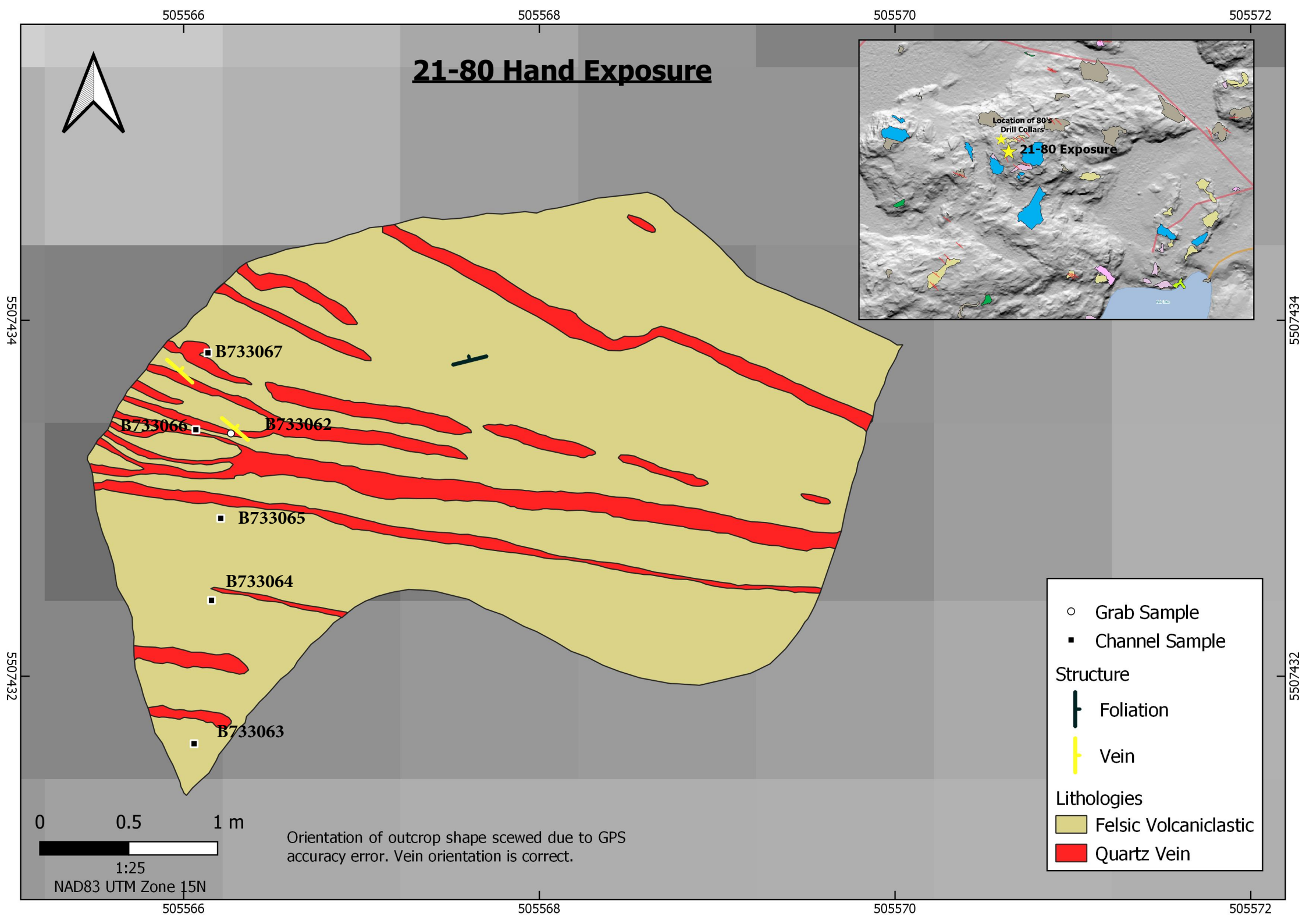
Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

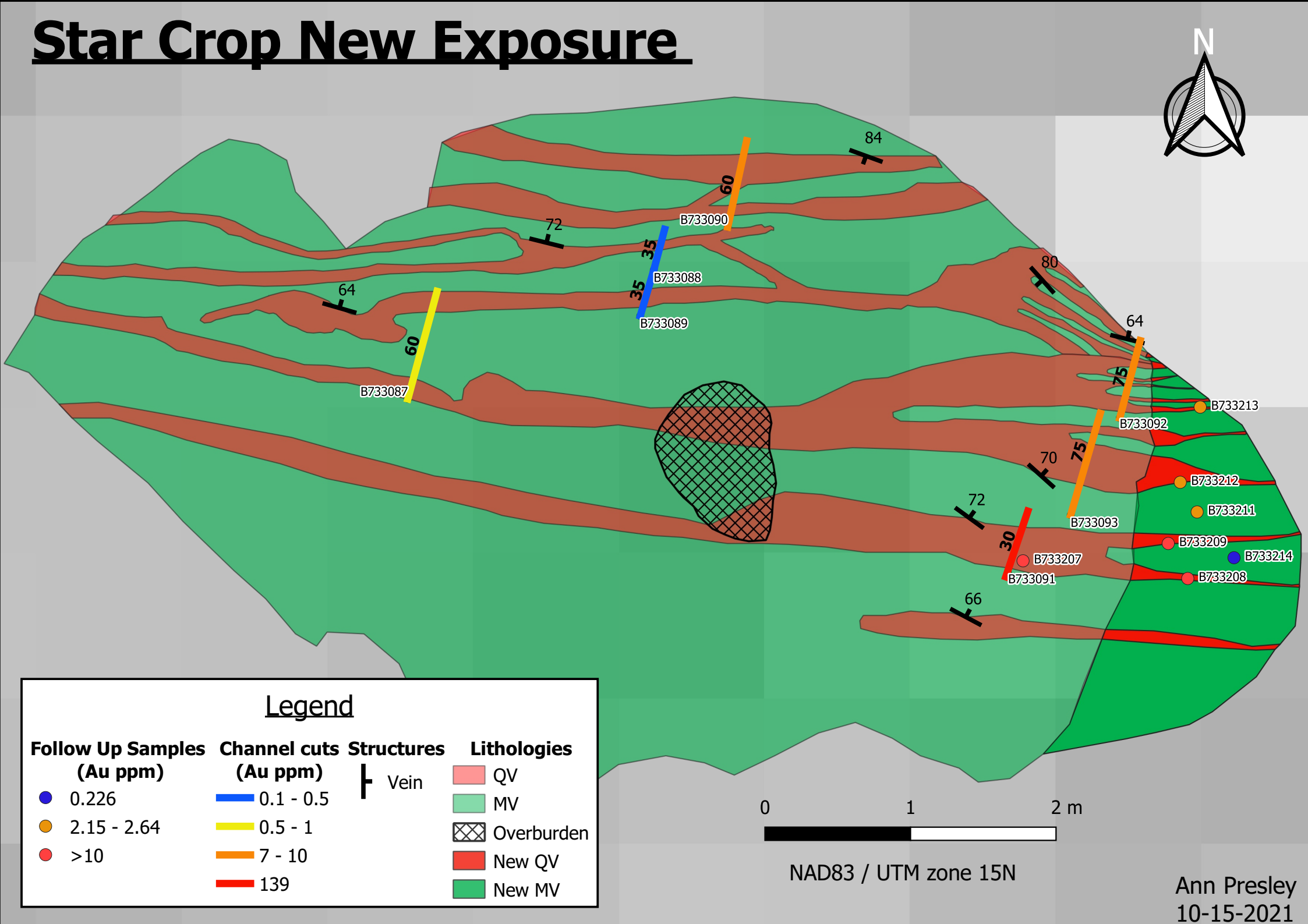
Appendix G: Hand Exposure Maps


N
Red Jay Hand Exposure
B732936
B732930
B732929
B732937
B732928
B732938
B732939
B732934
B732932
B732933
B732935
B732931
B732941
Redeemer
Red Jay Exposure
Redeemer Trend Extrapolation
Legend
Grab Samples
Quartz Vein
Lithology
Intermediate Volcanics
Mafic Volcanics
Quartz Vein
Rubble
0
1
2 m


Slice-Crop Hand Exposure
504750
504755
5507585
5507580
Slice-Crop Hand Exposure
AL 88
Flambeau Lake
B733043
B733044
B733045
B733046
B733047
B733057
B733048
B733049
B733050
B733038
B733039
B733041
B733042
Grab Sample
Channel Sample
Lithologies
Quartz Vein
Mafic Volcanic
Vein
0
1
2 m
1:35
NAD83 UTM Zone 15N

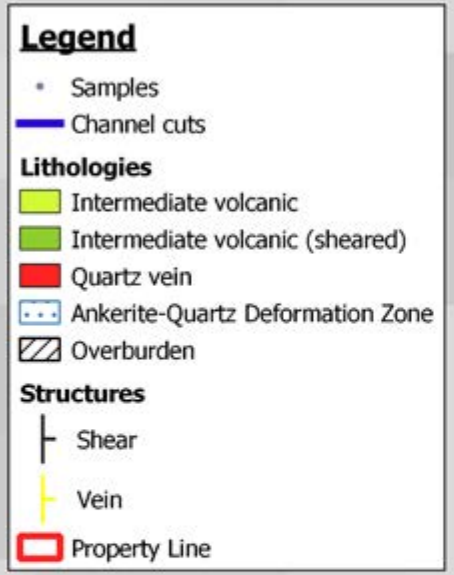

505566
505568
505570
505572
5507434
5507432
21-80 Hand Exposure
Location of 80's Drill Collars
21-80 Exposure
B733067
B733066
B733062
B733065
B733064
B733063
0
0.5
1 m
1:25
NAD83 UTM Zone 15N
Orientation of outcrop shape scewed due to GPS accuracy error. Vein orientation is correct.
Grab Sample
Channel Sample
Structure
Foliation
Vein
Lithologies
Felsic Volcaniclastic
Quartz Vein

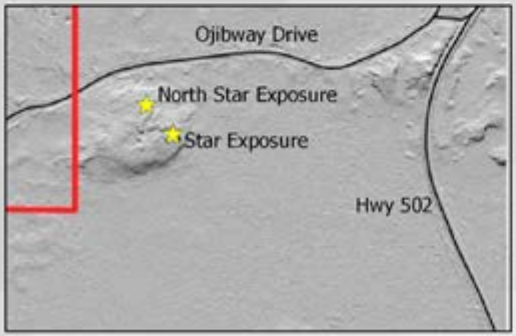
Star Crop New Exposure

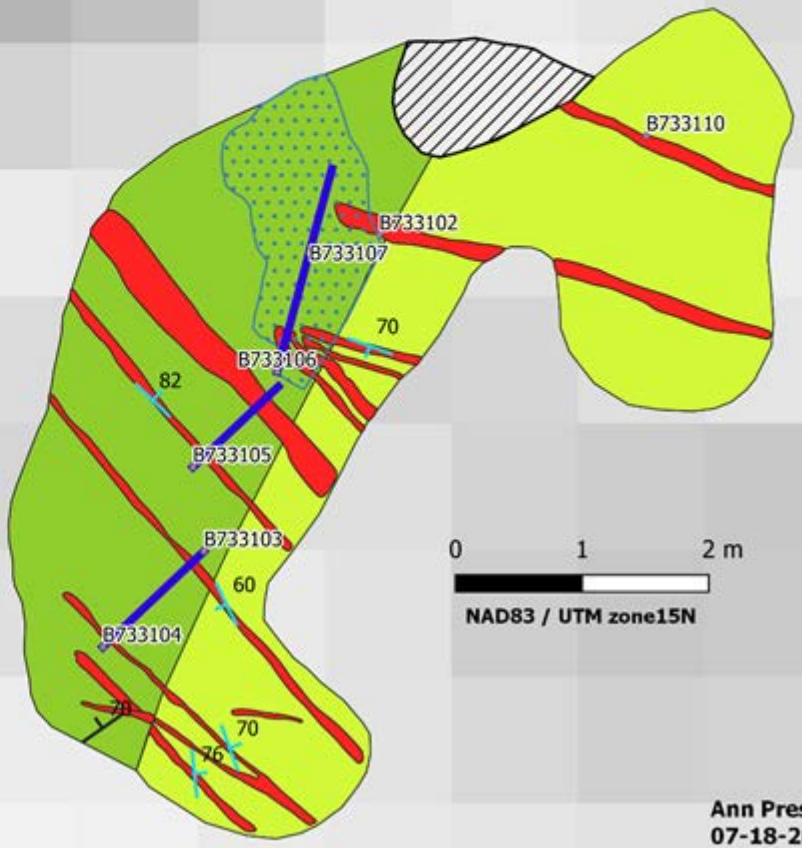


Ann Presley
10-15-2021

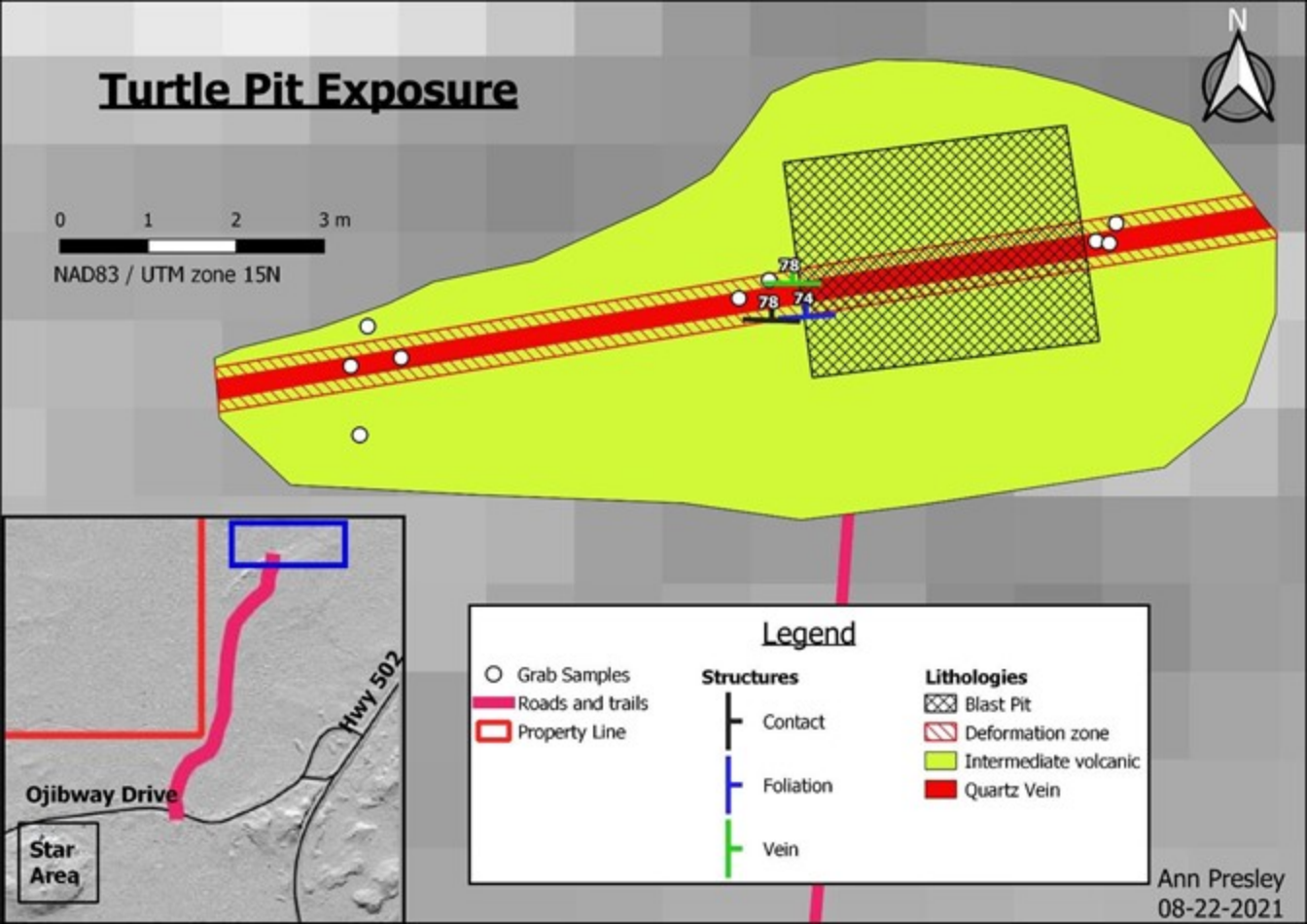
North Star Exposure - Van Horne







Ann Presley
07-18-2021



Ann Presley
08-22-2021

Appendix H: Geological Drill Logs

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-001

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Feb-19-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Feb-22-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	9	**Drill Company:**	Major Drilling	**Easting:**	509,093
Orient:	ACT III	**EOH:**	179			**Northing:**	5,507,220
Hole Status:	COMPLETE	**Logged Depth:**	179			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**8.5**	**OB, OVERBURDEN**												
8.5	**106.36**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREEN-GREY	100.0	101.0	1	0.0025	2.5	0.25	45	120	B732501
						101.0	102.0	1	0.0025	2.5	0.25	59	123	B732502
						102.0	102.85	0.85	0.0025	2.5	0.25	14	116	B732503
						102.85	103.5	0.65	0.0025	2.5	0.25	35	125	B732504
						103.5	104.2	0.7	0.0025	2.5	0.25	27	238	B732505
106.36	**113.81**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	112.5	113.0	0.5	0.0025	2.5	0.25	19	123	B732506
						113.0	113.87	0.87	0.0025	2.5	0.25	28	134	B732507

Intermediate volcanic, green-grey, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. grain size varies, short intervals (<1m) display coarser grained texture and appear possibly gabbroic. Lower contact is sharp

Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Only notable changes are intervals displaying weak to moderate silica alteration.

Interval 8.5-11.98 of unit appears mafic and with varying colour and silica content, its possible that this unit is an altered mafic.

Unit displays low abundance of qtz-carb veins, most of which are altered and display low amounts (0.1-1%) py. Most notable is a veinset from 103-103.3m made up of 2 qtz-chl-bt veins with 2% py along margins a high abundance of qtz-carb stringers occur in unit from 103-106.36 (end of unit).

Mineralziation in unit is most prevalent in areas of increased silica alteration and or deformation <2%

103.0 - 103.4 : Quartz Vein, 40 cm qtz-chl-carb-bt-py vein set made up of two veins 8, 14cm. slightly irregular and appearing brittle with 2% py

Intermediate volaniclastic, grey-green, strong foliation defined by 0.5-1cm wide elongate clasts. Clasts are monomictic. upper and lower contacts are sharp. Trace py along foliation

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
113.81	**126.25**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	FINE	LIGHT GREY	113.0	113.87	0.87	0.0025	2.5	0.25	28	134	B732507
Quatz Porphry; light grey, med grain, porphyritic, 0.1 cm qtz porphys in a moderate to strongly silica altered matrix. upper and lower contacts are sharp but undulating, unit displays 0.5% disseminated pyrite increasing around qtz veins. Veining in unit is rare, occurring as 1-3 cm veinlets with py-cpy observed on margins.						113.87	115.0	1.13	0.005	2.5	0.25	23	31	B732508
						115.0	116.1	1.1	0.008	2.5	0.25	15	24	B732509
						116.1	117.0	0.9	0.014	2.5	0.25	124	28	B732510
						117.0	118.0	1	0.0025	2.5	0.25	10	37	B732511
						118.0	119.0	1	0.019	2.5	0.25	13	39	B732512
						119.0	120.0	1	0.0025	2.5	0.25	14	32	B732514
						120.0	121.1	1.1	0.0025	2.5	0.25	8	33	B732515
						121.1	122.0	0.9	0.0025	2.5	0.25	9	33	B732516
						122.0	123.0	1	0.014	2.5	0.25	303	41	B732517
						123.0	124.0	1	0.0025	2.5	0.25	10	29	B732518
						124.0	125.0	1	0.0025	2.5	0.25	9	47	B732519
						125.0	126.25	1.25	0.0025	2.5	0.25	9	42	B732520
126.25	**134.69**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY	126.25	127.0	0.75	0.0025	2.5	0.25	24	97	B732521
Intermediate volaniclastic, grey-green, strong foliation defined by 0.5-1cm wide elongate clasts. Deformation in unit is moderate- likely due to proximity to intrusion (QFP), Clasts are less abundant and polymictic, varying shape and size. upper and lower contacts are sharp. Blebby pyrite occuring irregularly in unit (1%), Unit displays pervasive weak-moderate silica alteration. Lower end of unit show volcanic inclusions (10, 55cm wide) with sharp contacts- these are possibly inclusions (fingers) of the lower unit and evidence that the volcanic and volcaniclastic are mingling e.i. neither unit is completely solid at the time the other is forming (both plastic)- these might also be intrusions						127.0	128.0	1	0.0025	2.5	0.25	22	92	B732522
						128.0	129.0	1	0.0025	2.5	0.25	21	91	B732523
						129.0	130.0	1	0.0025	2.5	0.25	16	81	B732524
						130.0	131.0	1	0.0025	2.5	0.25	30	78	B732525
						131.0	132.0	1	0.0025	2.5	0.25	20	82	B732527
134.69	**146.58**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY	142.0	143.0	1	0.0025	2.5	0.25	9	101	B732528
Intermediate volcanic, grey-green, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. grain size varies, Lower contact is sharp with redeemer trend and upper contact is sharp with IVCL. Pyrite content and silica alteration increase in proximity to Redeemer Trend. Weak carb alteration (frc, selective) throughout unit.						143.0	144.0	1	0.006	2.5	0.25	38	152	B732529
						144.0	145.0	1	0.0025	2.5	0.25	6	72	B732530
						145.0	146.0	1	0.0025	2.5	0.25	6	84	B732531
						146.0	146.58	0.58	0.008	2.5	0.25	19	81	B732532

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-001

From	To	Lithology	Texture	Grain Size	Colour
146.58	**153.47**	**IV, INTERMEDIATE VOLCANIC**	BLEACHED	VERY FINE	LIGHT GREY

Intermediate Volcaniclastic, Light grey, fine grained to aphanitic, strongly deformed with weak to moderate foliation, unit displays high abundance of veins from 0.5-20cm wide with varying assemblages- the smaller 0.5-1cm qtz-carb veinlets show evidence of mico folding. Mineralization and alteration increase proximal to larger veins.

The most prominent structure in this unit is the vein set from 149.18-149.74m. This interval is made up of two (14. 10cm) qtz-ser-tor-carb-py veins with an intensely silica-ser altered wallrock occuring between them. Pyrite occurs throughout interval as belbs and along fractures-stringers, 8%. This is likely the main Redeemer Vein.

A less altered 20cm qtz-carb-tor vein occurs from 146.58-146.79m. 1% py along margins.

Deformation-alteration zone from 151.74-152.90 with strong sil bleaching with moderate potassic pv and weak ser selective alteration. 1-3cm veins occuring irregularly throughout interval. Pyrite disseminated throughout 7%.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
146.58	147.06	0.48	0.616	2.5	0.25	29	132	B732533
147.06	148.0	0.94	0.012	2.5	0.25	56	102	B732534
148.0	149.18	1.18	0.012	2.5	0.25	47	97	B732535
149.18	149.85	0.67	0.39	19	0.25	21	36	B732536
149.85	151.0	1.15	0.061	2.5	0.25	39	112	B732538
151.0	151.74	0.74	0.012	2.5	0.25	75	115	B732539
151.74	152.9	1.16	0.078	2.5	0.25	69	25	B732540
152.9	153.47	0.57	0.0025	2.5	0.25	21	92	B732541

From	To	Lithology	Texture	Grain Size	Colour
153.47	**165.16**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	GREEN-GREY

Intermediate volcanic, green-grey, fine grained-medium grained, predominately massive with occasional intervals displaying weak foliation. grain size varies, short intervals (<1m) display coarser grained texture and appear possibly gabbroic. Lower contact is sharp with IVCL and upper contact is gradational but inferred by py drop-off.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
153.47	154.2	0.73	0.0025	2.5	0.25	26	111	B732542
154.2	155.0	0.8	0.0025	2.5	0.25	35	108	B732543
155.0	156.0	1	0.0025	2.5	0.25	24	111	B732544

From	To	Lithology	Texture	Grain Size	Colour
165.16	**179**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY

Intermediate volaniclastic, grey-dark grey, strong foliation defined by 0.5-4cm wide elongate clasts- unit appears to have two subsections- the first being a clast rich unit displaying chl-ser alteration around clasts and in host rock with highly variable clast size and the second is a unit with less abundant clasts and a start difference between ground mass (black- chl-bt rich) and clasts (white- carb altered). upper contact is sharp. Trace py along foliation

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-002

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Feb-22-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Feb-24-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	9	**Drill Company:**	Major Drilling	**Easting:**	509,142
Orient:	ACT III	**EOH:**	122			**Northing:**	5,507,151
Hole Status:	COMPLETE	**Logged Depth:**	122			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**12**	**OB, OVERBURDEN**												
12	**29.77**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY									
Intermediate volcanic, grey-light grey, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. grain size varies, Lower contact is sharp with IVCL. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Low abundance of quartz-carb veinlets														
29.77	**45.23**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY									
Intermediate volaniclastic, grey-green, strong foliation defined by 0.5-1cm wide elongate clasts. Clasts are polymictic. upper contact are sharp, lower contact gradational. Trace py along foliation. IV inclusion from 32.74-33.51m. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.														
45.23	**62.94**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	59.0	60.0	1	0.015	2.5	0.25	15	105	B732546
Intermediate volcanic, grey-light grey, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. grain size varies, Lower contact is sharp with redeemer trend and upper contact is sharp with IVCL. Pyrite content and silica alteration increase in proximity to Redeemer Trend.						60.0	61.0	1	0.007	2.5	0.25	8	58	B732547
						61.0	62.0	1	0.0025	2.5	0.25	7	30	B732549
						62.0	62.85	0.85	0.035	2.5	0.25	45	35	B732550
						62.85	63.35	0.5	0.148	6	0.6	31	81	B732551
62.94	**64.3**	**QV, QUARTZ VEIN**	BLEACHED	APHANITIC	LIGHT GREY	62.85	63.35	0.5	0.148	6	0.6	31	81	B732551
Redeemer Vein 95cm qtz-carb-carb-chl-musc-ser-py-po- vein sharp upper and lower contacts, 4% py 2% po. Moderate sericite alteration occurring proximal to lower margin						63.35	63.85	0.5	0.005	2.5	0.25	45	32	B732552
						63.85	64.33	0.48	0.078	2.5	0.5	40	16	B732553
63.35 - 64.3 : Quartz Vein, Redeemer Vein 95cm qtz-carb-carb-chl-musc-ser-py-po- vein sharp upper and lower contacts, 4% py 2% po. Moderate sericite alteration occurring proximal to lower margin														
64.3	**67**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREEN-GREY	63.85	64.33	0.48	0.078	2.5	0.5	40	16	B732553
Intermediate volcanics; grey-green, fine grained, weak-subtle deformation, pervasive carb alteration with high amount of irregular qtz-carb fractures. Stark difference between Redeemer trend and this unit. Unit is not magnetic (<1 K) Sharp upper and lower contacts with Redeemer trend "raft" occurring after this unit. Possible intrusion?						64.33	65.0	0.67	0.0025	2.5	0.25	18	120	B732554
						65.0	66.0	1	0.005	2.5	0.5	39	99	B732555
						66.0	67.0	1	0.006	2.5	0.25	48	108	B732556

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-002

From	To	Lithology	Texture	Grain Size	Colour
67	**89.5**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY

Intermediate volcanic, grey-light grey, fine grained-very fine, predominately foliated with occasional massive intervals. grain size varies, Lower contact is sharp with IVCL and upper contact is sharp with IV. Pyrite content and silica alteration at the beginning of unit are high. 67-67.89m has the same characteristics as the redeemer trend (high silica alt, 3% diss py). Alteration after this unit is mostly consistent with what is seen throughout the property and is consistent with typical greenschist facies with a slight increase in carb alteration occurring in small fractures.

86.37-86.68m: 30cm qtz-carb-py-po-chl vein with 2% py and 0.5% bleb po

Possible intrusion from 80.65-81.41m (similar to unit seen from 64.3-67m)

IVCL interval from 82.63-84.82m small 0.2-0.5cm rare clasts

86.37 - 86.68 : Quartz Vein, 30cm qtz-carb-py-po-chl vein with 2% py and 0.5% bleb po

From	To	Lithology	Texture	Grain Size	Colour
89.5	**122**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY

Intermediate volaniclastic, grey-dark grey, strong foliation defined by 0.5-5cm wide elongate clasts. Clasts are polymictic. upper contact are sharp. 1% belb py starting at 91m and increasing to 4% from 94-97.10m. IV inclusion from 105.85-107m. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
67.0	68.0	1	0.009	2.5	0.25	16	52	B732557
68.0	69.0	1	0.0025	2.5	0.25	8	34	B732558
69.0	70.0	1	0.0025	2.5	0.25	10	61	B732560
77.5	78.0	0.5	0.008	2.5	0.25	28	110	B732561
78.0	78.5	0.5	0.058	2.5	0.25	19	91	B732562
78.5	79.0	0.5	0.006	2.5	0.25	42	90	B732563
85.5	86.3	0.8	0.011	2.5	0.25	73	81	B732564
86.3	86.8	0.5	0.0025	2.5	0.25	20	36	B732565
86.8	87.5	0.7	0.0025	2.5	0.25	25	92	B732566
93.0	94.0	1	0.0025	2.5	0.25	12	137	B732567
94.0	95.0	1	0.0025	2.5	0.25	16	126	B732568
95.0	96.0	1	0.011	2.5	0.7	57	189	B732569
96.0	97.1	1.1	0.014	2.5	0.5	41	141	B732571
97.1	98.0	0.9	0.0025	2.5	0.25	16	120	B732572

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-003

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Feb-24-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Feb-25-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	15	**Drill Company:**	Major Drilling	**Easting:**	509,198
Orient:	ACT III	**EOH:**	83			**Northing:**	5,507,141
Hole Status:	COMPLETE	**Logged Depth:**	83			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**20.5**	**OB, OVERBURDEN**												
20.5	**48.7**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT GREY									
Intermediate volcanic, grey-light grey, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. grain size varies, Lower contact is sharp with IVCL. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Upper portion of unit displays weak pervasive silca alteration with <1m intervals displaying moderate frc-fill carb alteration. 38-40.5m grainsize increases to medium almost appearing to be a volcaniclastic unit														
48.7	**58.94**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	DARK GREY	58.0	58.94	0.94	0.0025	2.5	0.25	24	83	B732573
Intermediate volaniclastic, grey-green, strong foliation defined by 0.5-3 cm wide deformed- often elongate clasts. Clasts are polymictic. upper contact is sharp with IV, lower contact sharp and slightly undulating. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.														
58.94	**67.82**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY	58.94	59.5	0.56	0.011	2.5	0.25	68	57	B732574
Intermediate volcanic, grey-light grey, fine grained-aphanitic, weak to strongly foliated, Lower contact is gradational with Redeemer Trend. Unit hosts a very high abundance of 0.1-0.5 cm qtz-carb veinlets with varying orientations.						59.5	60.34	0.84	0.0025	2.5	0.25	52	53	B732575
						60.34	61.13	0.79	0.02	2.5	0.25	50	107	B732576
Notable vein zone occurring from 60.34-61.13m. This veined zone is made up of 3 1-9cm qtz-carb-py veinlets displaying moderate to strong deformation. Weak silica alteration is noted throughout this interval with pyrite occuring throughout (3% diss) and proximal to vein margins as blebs (2% bleb-veinfill). Silica alteration above this interval continues to upper contact						61.13	62.0	0.87	0.007	2.5	0.25	46	114	B732577
						62.0	63.0	1	0.005	2.5	0.25	52	103	B732578
						63.0	64.0	1	0.006	2.5	0.25	47	94	B732580
60.34 - 61.13 : Quartz Vein, veined zone made up of 3 1-9cm qtz-carb-py veinlets displaying moderate to strong deformation. Weak silica alteration is present throughout this interval with pyrite occuring throughout (3% diss) and proximal to vein margins as blebs (2% bleb-veinfill)						64.0	65.0	1	0.0025	2.5	0.25	47	101	B732581
						65.0	66.0	1	0.0025	2.5	0.25	45	95	B732582
						66.0	67.0	1	0.0025	2.5	0.25	44	92	B732583
						67.0	67.82	0.82	0.0025	2.5	0.25	53	86	B732584

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-003

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
67.82	**69.09**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	GREEN-GREY	67.82	68.4	0.58	0.005	2.5	0.25	26	89	B732585
Redeemer Trend, Intermediate volcanic, green-grey, fine grained, moderate to strongly foliated, Lower and upper contacts are gradational. Unit hosts a moderate abundance of 0.1cm qtz-carb veinlets with similar orientations. Strong carb alteration pervasive through interval, potential ankerite/hem occuring near upper contact (select grains)						68.4	69.09	0.69	0.191	2.5	0.25	128	68	B732586
Redeemer Veined zone from 68.49-69.09m. 5 3-20cm altered-deformed qtz-carb-chl-tor-py veins with strong silica alteration and disseminated pyrite occuring in proximal wallrock. All veins have similar orientation. Py as high as 8% bleb-veinfill in 20cm vein which appears most deformed and altered.														
68.49 - 68.94 : Quartz Vein, Redeemer Veined zone from 68.49-68.94m. 5 3-20cm altered-deformed qtz-carb-chl-tor-py veins with strong silica alteration and disseminated pyrite occuring in proximal wallrock. All veins have similar orientation. Py as high as 8% bleb-veinfill in 20cm vein which appears most deformed and altered.														
69.09	**83**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY	69.09	70.0	0.91	0.008	2.5	0.25	46	79	B732587
Intermediate volcanic, grey-dark grey, fine grained-aphanitic, predominately massive with occasional intervals displaying weak foliation. Upper contact gradational with Red. Trend. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Unit hosts moderate abundance of 0.1-0.5m qtz-carb fractures with varying orientations.						70.0	71.0	1	0.0025	2.5	0.25	39	87	B732588

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-004

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Feb-25-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Feb-26-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	9	**Drill Company:**	Major Drilling	**Easting:**	509,257
Orient:	ACT III	**EOH:**	80			**Northing:**	5,507,141
Hole Status:	COMPLETE	**Logged Depth:**	80			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**9.1**	**OB, OVERBURDEN**												
9.1	**10.1**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY									
Intermediate volcanic, dark grey, very grained-aphanitic, massive. lower contact gradational, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.														
10.1	**13.12**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	LIGHT GREY									
Intermediate volcanic, light grey, fine to medium grained, massive to subtle foliation. upper contact gradational-lower contact gradational, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.														
13.12	**17.39**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	15.5	16.0	0.5	0.0025	2.5	0.25	41	97	B732589
Intermediate volcanic, grey, very grained-aphanitic, massive. lower contact occurring in rubbled zone upper contact is gradational, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Low abundance of lightly-irregular 0.1-1cm qtz-carb veinlets. 16.24-16.32m 11cm qtz-carb-tor-py vein with 2% pyrite occurring along margin						16.0	16.5	0.5	0.0025	2.5	0.25	8	74	B732590
						16.5	17.0	0.5	0.0025	2.5	0.25	47	102	B732591
17.39	**19**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	LIGHT GREY									
Intermediate volcanic, light grey, medium to course grained, massive. upper contact in rubble zone -lower contact gradational occuring in minor rubbled zone, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Moderate abundance of irregular qtz-carb veinlets with varying orientations 0.5-3cm widths with rare occurrences of pyrite along margins.														
19	**65.65**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY	64.0	65.0	1	0.007	2.5	0.25	42	118	B732592
Intermediate volcanic, grey, very grained-aphanitic, massive with rare intervals displaying moderate foliation. lower contact gradational upper contact occuring in rubble zone, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Very low abundance of lightly-irregular 0.1-1cm qtz-carb veinlets.						65.0	65.65	0.65	0.012	2.5	0.25	46	112	B732594
grain size increases to medium from 57.55-59.49m. moderate abundance of plag phenos hosted in unit. foliation is moderate within unit.														
qtz-carb veinlets abundance increases with proximity to lower contact.														

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
65.65	**72.07**	**IV, INTERMEDIATE VOLCANIC**	BLEACHED	VERY FINE	GREY	65.65	66.25	0.6	0.74	2.5	0.25	45	81	B732595
Redeemer Trend. Intermediate volcanic, grey to light grey, very fine grained, moderate foliation, Lower and upper contacts are gradational. Unit hosts a moderate abundance of 0.1cm qtz-carb veinlets with similar orientations. Strong carb alteration occurring in areas not strongly silica altered (top of unit).						66.25	66.75	0.5	0.022	2.5	0.25	43	113	B732596
						66.75	67.25	0.5	0.017	2.5	0.25	33	257	B732597
Mineralization within host rock is most prevalent in areas with the strongest silica alteration and areas proximal to veins. Overall 3% diss pyrite is displayed in unit.						67.25	68.0	0.75	0.111	2.5	0.25	13	143	B732598
						68.0	69.0	1	0.025	2.5	0.25	8	193	B732599
Drillers noted a void/seem around 71m block. This resulted in poor recovery. Rubble around the void appears to have moderate silica alteration but not strongly deformed.						69.0	70.0	1	0.0025	2.5	0.25	3	36	B732600
This interval hosts five veins: 65.95-66.20m 18cm qtz-tour-py-chl-ser vein with 1% pyrite occuring along margins and along tour laminations in vein. 66.80-66.90m: 9cm qtz-chl-carb-py-tour-ser 0.5% py along margin. 66.97-67.10m: 10cm qtz-carb-chl-py-ser vein with 3% py occurring as blebs along margins. Two smaller (3cm) qtz-carb-chl-py veins with 1.5% py occurring at 67.49 and 67.88m.						71.0	72.07	1.07	0.0025	2.5	0.25	3	48	B732601
72.07	**80**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREEN-GREY	72.07	72.57	0.5	0.03	5	0.25	22	118	B732602
Intermediate volcanic, green-grey, very grained-aphanitic, massive with rare intervals displaying weak foliation. upper contact slightly gradational, Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Chlorite alteration increases in this unit to moderate pervasive. Moderate abundance of slightly-irregular 0.1-1cm qtz-carb veinlets appearing reliced (possibly due to increased chlorite alteration). Unit occasionally displays moderate abundance of phenos.						72.57	73.0	0.43	0.022	2.5	0.25	43	101	B732603
						73.0	73.5	0.5	2.53	2.5	0.9	72	85	B732604
						73.5	74.0	0.5	0.011	2.5	0.25	66	92	B732605
Two veins of similar assemblage noted proximal to top of unit. The first is a 4cm qtz-chl-carb-py vein occurring from 72.3-72.34m with 0.5% pyrite along margins . The second, a 14cm qtz-chl-carb-py occurring from 73.2-73.38m with 2% pyrite along margins. both veins display similar deformation with chlorite laminations running parallels to foliation.						74.0	75.0	1	0.011	2.5	0.25	44	97	B732607

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-005

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Feb-27-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Mar-01-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	13	**Drill Company:**	Major Drilling	**Easting:**	509,142
Orient:	ACT III	**EOH:**	164			**Northing:**	5,507,204
Hole Status:	COMPLETE	**Logged Depth:**	164			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**11.9**	**OB, OVERBURDEN**												
11.9	**58.31**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY									

Intermediate volcanic, grey, fine grained-aphanitic, predominately weakly foliated with occasional intervals displaying massive texture. Grain size varies. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Unit display one notable vein from 26.31-26.45m: 10cm qtz-cb-chl vein, nill py

Mineralization in unit is rare averaging 0.3% disseminated py

58.31	**63.75**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	GREEN-GREY	63.0	63.75	0.75	0.0025	2.5	0.25	25	113	B732608

Intermediate volcanic, green-grey, medium grained, massive texture. Unit appears relatively unaltered with massive texture preserved. Slightly gradational upper contact occurring in minor rubble zone- gradational lower contact with silica bleached unit. Unit could possibly be a gabbro (has grabbroic features). Unit hosts lower abundance of qtz-carb veinlets (0.1-3cm). 1% diss pyrite occuring in localized clusters.

63.75	**68.28**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	LIGHT GREY	63.75	65.0	1.25	0.0025	2.5	0.25	13	28	B732609
						65.0	66.0	1	0.0025	2.5	0.25	34	44	B732610
						66.0	67.0	1	0.0025	2.5	0.25	31	73	B732612
						67.0	67.6	0.6	0.0025	2.5	0.25	53	184	B732613
						67.6	68.28	0.68	0.0025	2.5	0.25	54	108	B732614

Intermediate volcanic, light grey, fine grained, predominately weakly foliated. Unit is strongly silica altered. This alteration muddles the grain size. Upper contact slightly gradational (could be a product of alteration). Lower contact is sharp but slightly undulating with intrusion.

Pyrite min in unit is seen as high as 5% occurring as 0.5% blebs and diss throughout unit with weak orientation to foliation. Single 3cm qtz-chl vein with pyrite occuring in proximal wallrock (likely unrelated to vein). Irregular patches of carb alteration. As silica alteration intensity decreases, so does pyrite content.

Silica alteration decreases to moderate in lower end (67-68.28) of unit.

68.28	**70.04**	**ID, INTERMEDIATE DYKE**	FOLIATED	FINE	DARK GREEN	68.28	69.0	0.72	0.0025	2.5	0.25	31	157	B732615

Intermediate intrusive dike, dark green, fine grained, strongly foliated when observing the biotite grains. Upper contact is sharp but slightly undulating with above volcanic unit. Lower contact is sharp with below volcanic unit. Minor qtz-crb (0.1 - 0.3cm) veinlets, sometimes discontinuous with irregular orientations

Approx. 1% diss pyrite min is seen in unit with weak orientation to foliation.

Project: Van Horne **Hole Number:** VH21-005

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
70.04	**103.74**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	GREY									
Intermediate volcanic, grey, fine grained, predominately weakly foliated. Upper portion of unit displays moderate silica alteration (70.04-73) Remainder of unit displays alteration that is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Upper contact is sharp and lower contact is gradational (ID-IVCL). Pyrite mineralization is observed in upper silica portion of unit 2% diss.														
103.74	**115.7**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	MEDIUM	DARK GREY									
Intermediate volaniclastic, dark grey, strong foliation defined by 0.5-1cm wide elongate clasts. Clasts are polymictic. upper contact is gradational and lower contact is slightly irregular . Trace py along foliation. Possible intrusion from 113.18-114.10m: dark grey, sharp upper and lower contacts.														
115.7	**118.68**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	COARSE	GREY									
Breccia Zone, Intermediate volaniclastic, green, strong foliation defined by 0.5-5cm wide elongate clasts. Clasts are polymictic and often angular and in random orientations (some intervals). upper and lower contacts are gradational/irregular. Trace py along foliation.														
118.68	**123.54**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	MEDIUM	GREY									
Intermediate volaniclastic, light grey, strong foliation defined by 0.5-1cm wide elongate clasts. Clasts are polymictic. upper gradational- lower contact is sharp. Trace py along foliation. very high abundance of clasts. Similar to unit seen from 103.74-115.7m with more clasts.														
123.54	**136.1**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	DARK GREY	135.0	136.1	1.1	0.0025	2.5	0.25	6	98	B732616
Intermediate volcanic, dark grey, very fine to fine grained, predominately weakly foliated. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Upper is sharp and lower contact is gradational. 0.5% diss py throughout unit. Low abundance qtz-carb veinlets in unit														
136.1	**138.46**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	BEIGE	136.1	137.0	0.9	0.054	2.5	0.25	11	75	B732617
Redeemer Trend Intermediate volcanic, beige-green, very fine grained, moderate foliation. Alteration is typical with what is seen in and around Redeemer Trend: intense pervasive silica with weak sericite. Upper contact is gradational and lower contact is sharp. 5% diss py throughout unit with weak preference to foliation. Lower portion of unit (137.59-138.46) displays weak silica alteration and does not have the same pyrite content						137.0	137.59	0.59	0.033	6	0.25	25	35	B732618
						137.59	138.46	0.87	0.005	2.5	0.25	18	87	B732620

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-005

From	To	Lithology	Texture	Grain Size	Colour
138.46	**143.45**	**QV, QUARTZ VEIN**	FOLIATED	VERY FINE	WHITE

Redeemer Vein: Area consists of highly deformed qtz veins typically seen connected to the Redeemer Trend. This unit is broken out into three distinct vein sets. The orientation of these veins was difficult to distinguish as foliation/contacts were slightly irregular and varying. 40,50,60 were the alpha angles for the vein zones, respectively

The upper portion of the zone (138.46 to 140.21) consists of 85% qtz-cb-tour-musc-py-ser-chl veins with 15% wallrock. The wallrock within this portion is intensely siliceous, significantly bleached, and shows strong sericite alteration. Diss py is observed at approx. 8-10%.

The middle portion of the zone (140.21 to 141.79) consists of 70% qtz-chl-py-cb veins with 30% wallrock. The wallrock within this portion appears to show laminations within the vein, and often displays moderate to strong silica alteration. Diss py is observed at approx. 6% within the qtz-chl-py-cb veins and 6% is observed within the wallrock laminations.

The lower portion of the zone (141.79 to 143.45) consists of 50% qtz-cb-ser-chl-py veins ranging from 1-20cm with 50% wallrock. The wallrock within this portion is intensely siliceous, significantly bleached, and shows strong sericite alteration. From 142.30 to 142.80 centimeter scale qtz-cb-ser-chl-py veins appear showing a potential stockwork. Diss + Belb py is observed at approx 10%.

138.46 - 140.21 : Quartz Vein, The upper portion of the zone (138.46 to 140.21) consists of 85% qtz-cb-tour-musc-py-ser-chl veins with 15% wallrock. The wallrock within this portion is intensely siliceous, significantly bleached, and shows strong sericite alteration. Diss py is observed at approx. 8-10%. ORIENTATION VARIES

140.21 - 141.75 : Quartz Vein, The middle portion of the zone (140.21 to 141.79) consists of 70% qtz-chl-py-cb veins with 30% wallrock. The wallrock within this portion appears to show laminations within the vein, and often displays moderate to strong silica alteration. Diss py is observed at approx. 6% within the qtz-chl-py-cb veins and 6% is observed within the wallrock laminations. ORIENTATION VARIES

141.75 - 143.45 : Quartz Vein, The lower portion of the zone (141.79 to 143.45) consists of 50% qtz-cb-ser-chl-py veins ranging from 1-20cm with 50% wallrock. The wallrock within this portion is intensely siliceous, significantly bleached, and shows strong sericite alteration. From 142.30 to 142.80 centimeter scale qtz-cb-ser-chl-py veins appear showing a potential stockwork. Diss + Belb py is observed at approx 10%. ORIENTATION VARIES

From	To	Lithology	Texture	Grain Size	Colour
143.45	**164**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY

Intermediate volcanic, grey, very fine to fine grained, predominately weakly foliated. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Interval displaying intense silica alteration from (152.26-152.85m) Upper is sharp. 0.5% diss py throughout unit. Low abundance qtz-carb veinlets in unit

Similar to IV seen uphole

From	To	Length	Au	As	Ag	Cu	Zn	Sample
138.46	139.0	0.54	0.018	2.5	0.25	58	16	B732621
139.0	139.6	0.6	0.07	16	0.25	21	53	B732622
139.6	140.18	0.58	0.014	8	0.25	10	5	B732623
140.18	141.0	0.82	0.073	6	0.25	17	20	B732624
141.0	141.75	0.75	1.325	7	0.25	22	52	B732625
141.75	142.55	0.8	0.184	39	0.25	10	59	B732626
142.55	143.45	0.9	0.19	21	0.25	36	49	B732627
143.45	144.0	0.55	0.032	2.5	0.25	48	105	B732628
144.0	145.0	1	0.005	2.5	0.25	34	70	B732629

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-006

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Mar-01-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Mar-04-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	18	**Drill Company:**	Major Drilling	**Easting:**	509,142
Orient:	ACT III	**EOH:**	230			**Northing:**	5,507,258
Hole Status:	COMPLETE	**Logged Depth:**	230			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**17.97**	**OB, OVERBURDEN**												
17.97	**105.27**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	DARK GREY	37.0	37.5	0.5	0.0025	2.5	0.25	22	125	B732630
						37.5	38.0	0.5	0.02	2.5	1	826	108	B732631
						38.0	38.5	0.5	0.0025	2.5	0.25	28	118	B732633

Intermediate volcanic, dark grey, very fine grained-aphanitic with sections (30.13 - 33.68m & 96.14 - 98.18m) displaying a fine grain-size, predominately weakly foliated with occasional intervals displaying massive texture (30.13 - 33.68m & 96.14 - 98.18m). The intervals displaying a massive texture show a slight increase in silica alteration. There is a low abundance of 0.3-0.5cm qtz-carb veinlets throughout. The lower contact is gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Unit displays three notable veins from 37.74 - 37.84: 8cm qtz-cb-chl-py-po vein; 40.07 - 40.19m: 9cm qtz-cb-chl vein, nill py; & from 99.37 - 99.46m: 7cm qtz-cb-chl-py vein

Mineralization in unit is rare averaging 0.5-0.7% disseminated py

105.27	**113.48**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	LIGHT GREY

Gabbroic, light grey, medium grained, . The interval displays a massive texture. There is a low abundance of 0.3cm qtz-carb veinlets throughout. Upper and lower contacts are both gradational. Weak silica alteration can be observed. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Mineralziation in unit is rare averaging 0.2-0.3% disseminated py

113.48	**130.52**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	DARK GREY

Intermediate volcanic, dark grey, very fine grained-aphanitic, weakly foliated. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper and lower contact are both gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Mineralziation in unit is rare averaging 0.4-0.5% disseminated py

Project: Van Horne **Hole Number:** VH21-006

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
130.52	**144.89**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT GREY	137.5	138.1	0.6	0.0025	2.5	0.25	8	50	B732634
						138.1	139.1	1	0.0025	2.5	0.25	13	46	B732635
						139.1	140.0	0.9	0.0025	2.5	0.25	61	123	B732636

Intermediate volcanic, light grey, very fine grained-aphanitic, weakly foliated. This unit displays strong silica and potassic alteration and a bleached coloration can be observed. There is a semi-gabbroic interval between 142.33 to 144.13m which displays a medium grain-size. There is a low abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper contact is gradational and lower contact is sharp.

Unit displays three notable veins from 138.51 to 138.54m: 3cm qtz-cb-chl vein nill py; 138.66 to 138.99m: 35cm qtz-cb-chl vein nill py that shows potassic alteration along its margins; & from 142.11 to 142.21m: 12cm qtz-cb-chl-py vein.

Mineralization in unit is rare averaging 0.75% disseminated py

144.89 **146.58** **ID, INTERMEDIATE DYKE** FOLIATED FINE DARK GREEN

Intermediate intrusive dike, dark green, fine grained, strongly foliated when observing the biotite grains. The upper contact is sharp and the lower contact is gradational. Minor qtz-crb (0.1 - 0.3cm) veinlets, sometimes discontinuous with irregular orientations

Approx. 0.5% diss pyrite min is seen in unit with weak orientation to foliation.

146.58 **167.17** **IV, INTERMEDIATE VOLCANIC** FOLIATED VERY FINE DARK GREY

Intermediate volcanic, dark grey, very fine grained-aphanitic, predominately weakly foliated with moderate silica alteration with the occasional interval displaying stronger silica alteration. The intervals that display higher silica alteration and show a bleached coloration. Both the upper and lower contacts of this unit are gradational.

Mineralization in unit is moderate averaging 2-3% disseminated py

167.17 **196.48** **IVCL, INTERMEDIATE VOLCANICLASTIC** FOLIATED MEDIUM DARK GREY

Intermediate volcaniclastic, dark grey, strong foliation defined by 0.5-4cm wide elongate clasts. Clasts are polymictic. This unit displays medium grain-size. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. Upper contact is gradational and lower contact is slightly irregular.

Mineralization in unit is rare averaging 0.5% disseminated py following foliation.

196.48 **202.57** **IV, INTERMEDIATE VOLCANIC** FOLIATED VERY FINE GREY

Intermediate volcanic, grey, very fine grained-aphanitic, moderately foliated. There is a large abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper and lower contact is irregular. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

From 196.48 to 197.35m there is a dark grey very fine grained-aphanitic intermediate volcanic intrusion that displays strong silica and sericite alteration. This unit shows approx. 2% diss py mineralization.

Mineralization across the whole unit is moderate averaging 3-4% disseminated and blebby py

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-006

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
202.57	**213.47**	**QFP, Quartz-Feldspar Porphyry**	MASSIVE	MEDIUM	LIGHT GREY	208.0	209.0	1	0.0025	2.5	0.25	14	35	B732637
QFP, light grey, medium-grained, massive texture with slight observable foliation. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. This unit displays strong silica and sericite alteration. The upper contact is irregular and the lower contact is sharp. Sericite alteration increases near the sharp lower contact.						209.0	210.0	1	0.0025	2.5	0.25	5	28	B732638
						210.0	211.0	1	0.0025	2.5	0.25	7	30	B732639
Mineralization in unit is rare averaging 0.5% disseminated py.						211.0	212.0	1	0.0025	2.5	0.25	11	38	B732640
						212.0	212.9	0.9	0.015	2.5	0.25	6	30	B732641
						212.9	213.48	0.58	0.008	2.5	0.25	5	25	B732642
213.47	**217.66**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREEN-GREY	212.9	213.48	0.58	0.008	2.5	0.25	5	25	B732642
Redeemer Trend, Intermediate volcanic, green-grey, very fine grained-aphanitic, moderately foliated with alteration is typical with what is seen in and around Redeemer Trend: moderate silica with weaker sericite alteration. The Redeemer Trend within this drill hole is significantly smaller and less altered and deformed than the Redeemer Trends observed within previous drill holes, and the vein itself has appeared to have pinched out. The QFP above this unit displays the same style mineralization (strong ser, mod-strong sil) as the Redeemer Trend. The upper contact is sharp and the lower contact of this unit is gradational.						213.48	214.0	0.52	0.089	2.5	0.25	46	120	B732643
						214.0	214.5	0.5	1.085	2.5	0.25	66	100	B732644
						214.5	215.0	0.5	0.08	2.5	0.25	25	96	B732645
Unit displays a notable vein from 214.59 - 214.69m: 10cm qtz-cb-tour-chl-py vein. This vein is likely the "Redeemer Vein"						215.0	216.0	1	0.031	2.5	0.25	36	123	B732646
						216.0	217.0	1	0.005	2.5	0.25	28	89	B732647
Mineralization in unit is rare averaging 1-2% disseminated py						217.0	217.65	0.65	0.012	2.5	0.25	73	141	B732648
217.66	**230**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	MEDIUM	DARK GREY									
Intermediate volcaniclastic, dark grey-grey, strong foliation defined by 0.2-2cm wide elongate clasts. Clasts are polymictic. This unit displays medium grain-size. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper contact is gradational.														
Mineralization in unit is rare averaging 0.3% disseminated py following foliation.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-007

Drill Hole				Drilling		Coordinates	
Prospect:	VH-REDEEMER	**Operator:**	KGC EXPLORATION	**Start Date:**	Mar-04-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Mar-06-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	12	**Drill Company:**	Major Drilling	**Easting:**	509,036
Orient:	ACT III	**EOH:**	182			**Northing:**	5,507,228
Hole Status:	COMPLETE	**Logged Depth:**	182			**Elevation:**	383

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**8.52**	**OB, OVERBURDEN**												
8.52	**16.14**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	DARK GREY									
Intermediate volcanic, dark grey, very fine grained-aphanitic, weakly foliated. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. The lower contact is gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Mineralization in unit is rare averaging 0.5% disseminated py														
16.14	**22.44**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	MEDIUM	GREEN-GREY									
Intermediate volcanic Interval is referred to as a "transitional zone" with abundant amygdules and evidence of volcanic and volcaniclastic flows crystallizing in an interfingered fashion. Predominantly intermediate volcanic, green-grey, medium-grained, largely foliated with the slight presence of a massive texture. The upper and lower contacts are both gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Mineralization in unit is rare averaging 0.5% disseminated py														
22.44	**56.58**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	DARK GREY	23.0	24.0	1	0.0025	2.5	0.25	29	60	B732649
Intermediate volcanic, dark grey, very fine grained-aphanitic, weakly foliated with the slight presence of a massive texture. There is a weak abundance of 0.3-0.5cm qtz-carb veinlets throughout. The interval between 45.81 - 46.37m displays a porphyritic texture and is highly competent rock. The upper and lower contacts are both gradational. This unit displays an increasing strong silica alteration content which becomes more pronounced near the lower contact.						24.0	24.6	0.6	0.086	6	0.25	70	86	B732651
						24.6	25.6	1	0.217	2.5	0.25	38	116	B732652
						25.6	26.5	0.9	0.018	2.5	0.25	39	111	B732653
Unit displays two notable veins from 24.12 - 24.49m: 38cm qtz-cb-chl-py vein; 25.40-25.55m: 14cm qtz-cb-chl-py vein which is composed of 65% wallrock and 35% vein. Mineralization in unit is moderate averaging 2% disseminated and blebby py														

Project: Van Horne **Hole Number:** VH21-007

From	To	Lithology	Texture	Grain Size	Colour
56.58	67.01	**QFP, Quartz-Feldspar Porphyry**	MASSIVE	COARSE	LIGHT GREY

QFP, light grey, coarse-grained, massive texture. There is a weak abundance of 0.3-0.5cm qtz-carb veinlets throughout. This unit displays strong silica and sericite alteration typical of a QFP unit. The upper and lower contacts are both sharp.

Mineralization in unit is rare averaging 0.3% disseminated py.

From	To	Lithology	Texture	Grain Size	Colour
67.01	68.45	**ID, INTERMEDIATE DYKE**	FOLIATED	FINE	DARK GREY

Intermediate intrusive dike, dark grey-green, fine grained, weakly foliated. The upper and lower contacts are both irregular. Minor qtz-crb (0.1 - 0.3cm) veinlets, sometimes discontinuous with irregular orientations

Mineralization in unit is rare averaging 0.5% disseminated

From	To	Lithology	Texture	Grain Size	Colour
68.45	81.05	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	MEDIUM	GREEN-GREY

Intermediate volcanic Interval is referred to as a "transitional zone" with abundant amygdules and evidence of volcanic and volcaniclastic flows crystallizing in an interfingered fashion. Predominantly intermediate volcanic, green-grey, medium-grained, noticeable foliation. There is a high abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper contact is irregular and the lower contact is gradational. Strong silica alteration is noticeable with increasing abundance near the gradational lower contact.

Unit displays one notable vein from 78.73 - 79.30m: 56cm qtz-cb-chl; nill py vein

Mineralization in unit is rare averaging 1% disseminated py

From	To	Length	Au	As	Ag	Cu	Zn	Sample
78.0	78.5	0.5	0.0025	2.5	0.25	1	107	B732654
78.5	79.5	1	0.0025	2.5	0.25	10	113	B732655
79.5	80.0	0.5	0.0025	2.5	0.25	22	63	B732656

From	To	Lithology	Texture	Grain Size	Colour
81.05	89.5	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	MEDIUM	DARK GREY

Intermediate volcaniclastic, dark grey, strong foliation defined by 0.2-3cm wide elongate clasts. Clasts are polymictic. This unit displays medium grain-size. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper and lower contacts are both gradational.

Mineralization in unit is rare averaging 0.5% disseminated py following foliation.

From	To	Lithology	Texture	Grain Size	Colour
89.5	119.27	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY

Intermediate volcanic, grey, very fine grained-aphanitic, weakly foliated. There is a moderate abundance of 0.3-0.5cm qtz-carb veinlets throughout. There is a massive green-grey interval between 95 - 96.92m. The upper contact is gradational and the lower contact is sharp. Unit displays intense silica alteration.

Unit displays one notable vein from 95.92 - 95.96m: 6cm qtz-cb-chl; nill py vein

Mineralization in unit is rare averaging 0.25% disseminated py

Project: Van Horne **Hole Number:** VH21-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
119.27	**130.17**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	COARSE	GREY									
Intermediate volcaniclastic, grey, moderate foliation defined by 0.2-3cm wide elongate clasts. Clasts are polymictic and show an irregular orientation. This unit displays coarse grain-size. There are no qtz-carb veinlets within this unit. The upper contact is sharp and the lower contact is gradational. Mineralization in unit is rare averaging 0.2% disseminated py following foliation.														
130.17	**134.04**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	DARK GREY	134.0	135.0	1	0.0025	2.5	0.25	13	71	B732658
Intermediate volcanic, dark grey, very fine grained-aphanitic, weakly foliated. There is a weak abundance of 0.3-0.5cm qtz-carb veinlets throughout. The upper and lower contacts are gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies. Mineralization in unit is rare averaging 0.2% disseminated py														
134.04	**136.45**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY	134.0	135.0	1	0.0025	2.5	0.25	13	71	B732658
Redeemer Trend Intermediate volcanic, grey, very fine grained, weak foliation. Alteration is typical with what is seen in and around Redeemer Trend, with pervasive silica and weak sericite. Upper contact is gradational and lower contact is sharp. 1% diss py throughout unit with weak preference to foliation.						135.0	135.7	0.7	0.0025	2.5	0.25	7	76	B732659
						135.7	136.35	0.65	0.066	2.5	0.25	74	179	B732660
						136.35	137.0	0.65	0.013	2.5	0.25	8	82	B732661
136.45	**137.73**	**QV, QUARTZ VEIN**	FOLIATED	VERY FINE	WHITE	136.35	137.0	0.65	0.013	2.5	0.25	8	82	B732661
Redeemer Vein: Area consists of highly deformed qtz veins typically seen connected to the Redeemer Trend. This unit is broken out into two distinct vein sets. The orientation of these veins was difficult to distinguish as foliation/contacts were slightly irregular and varying.						137.0	137.72	0.72	0.0025	2.5	0.25	21	110	B732662
						137.72	138.3	0.58	0.01	2.5	0.25	37	128	B732663
The upper vein set (136.45 to 136.55) consists of 90% qtz-cb-chl-musc-ser-py veins with 10% wallrock. The wallrock within this portion is strongy siliceous, bleached, and shows strong sericite alteration. Diss py is observed at approx. 3%. The lower vein set (136.55 to 137.73) consists of 80% qtz-chl-py-cb veins with 20% wallrock. The wallrock within this portion appears to show laminations within the vein, and often displays moderate silica alteration and moderate sericite alteration. Diss py is observed at approx. 2% within the qtz-chl-py-cb veins and 1% is observed within the wallrock laminations. 136.55 - 137.73 : Quartz Vein, The lower vein set (136.55 to 137.73) consists of 80% qtz-chl-py-cb veins with 20% wallrock. The wallrock within this portion appears to show laminations within the vein, and often displays moderate silica alteration and moderate sericite alteration.														
137.73	**140.14**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREY	137.72	138.3	0.58	0.01	2.5	0.25	37	128	B732663
Redeemer Trend Intermediate volcanic, grey, very fine grained, weak foliation. Alteration is typical with what is seen in and around Redeemer Trend, with pervasive silica and weak sericite. Upper contact is sharp and lower contact is gradational. 2% diss py and possible po throughout unit with preference to foliation.						138.3	139.0	0.7	0.009	2.5	0.25	45	104	B732664
						139.0	140.0	1	0.017	2.5	0.25	19	84	B732665
						140.0	141.15	1.15	0.084	2.5	0.25	23	102	B732666

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
140.14	**156.34**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	MEDIUM	GREY	140.0	141.15	1.15	0.084	2.5	0.25	23	102	B732666
						141.15	141.75	0.6	0.01	2.5	0.25	35	112	B732667

Intermediate volcanic Interval is referred to as a "transitional zone" with abundant amygdules and evidence of volcanic and volcaniclastic flows crystallizing in an interfingered fashion. Predominantly intermediate volcanic, grey, medium-grained, and is largely foliated. The upper and lower contacts are both gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Mineralization in unit is rare averaging 0.5% disseminated py and displays a moderate preference to foliation.

156.34	**160.37**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	MEDIUM	GREY

Intermediate volcaniclastic, grey, strong foliation defined by 0.2-3cm wide elongate clasts. Clasts are polymictic. This unit displays a medium grain-size. There are no qtz-carb veinlets within this unit. The upper contact is gradational and the lower contact is sharp.

Mineralization in unit is rare averaging 0.3% disseminated py following foliation.

160.37	**182**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	GREEN-GREY

Intermediate volcanic, green-grey, very fine grained-aphanitic, weakly foliated. There is a weak abundance of 0.3-0.5cm qtz-carb veinlets throughout. 0.2-2cm amydules are seen relatively uniform throughout the unit. The upper contact is gradational. Alteration is consistent with what is seen throughout the property and is consistent with typical greenschist facies.

Mineralization in unit is rare averaging 0.5% disseminated py & 0.5% blebby py.

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-05-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Sep-10-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	5	**Drill Company:**	Major Drilling	**Easting:**	505,875
Orient:	ACT III	**EOH:**	353			**Northing:**	5,507,245
Hole Status:	INPROGRESS	**Logged Depth:**	353			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**4.26**	**OB, OVERBURDEN**												
4.26	**38**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY									

Grey intermediate volcanic unit, fine grained, weak deformation and mostly massive. Overall mineralization is 1-2% disseminated pyrite with localized areas of increased disseminated pyrite. 1-2 mm carb stringers are present throughout unit (2% of rock).

12.02 - 14 m shows mag high, darker grey int/mf dyke unit with weak - moderate patchy chlorite along fracture surfaces along with fine grained qtz-carb eyes. 2% disseminated pyrite is present within area - mafic dyke? .

18 - 37 m shows grey intermediate volcanic, mostly weak deformation with localized moderate - strong deformation, trace disseminated pyrite, moderate fracture-fill carbonate and weak patchy silica alteration. Strong deformation / rubble zone present 34.04 - 34.18 m & 35.16 - 35..36 m.

38	**43.45**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY									

Light grey intermediate volcaniclastic unit, weak - moderate deformation, moderate pervasive - patchy silica alteration + strong pervasive carbonate alteration present. Upper and lower contacts are gradual into similar surrounding IV units. Trace disseminated pyrite present.

Localized areas of qtz-carb-chlor blebs present within the unit. Clasts appear to be elongated along foliation, most are siliceous, with small host rock clasts also present and foliated.

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour
43.45	**86.71**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	LIGHT GREY

Light grey intermediate volcanic unit, small localized areas of foliated qtz-carb blebs surrounded by massive IV. Fine grain size, weak - moderate deformation (increases in areas of qtz-carb blebs) Overall unit shows 2-3% disseminated pyrite; strong pervasive - patchy carbonate + moderate - strong patchy silica alteration. Localized areas of 5-6% blebby / 2-4% disseminated pyrite throughout volcanic part of unit.

Qtz-carb blebs present, possibly clasts. Unit is a mixture 30/70 clastic / volcanic intermediate unit. 5% of unit is qtz-carb stringer veins, 1% fracture-fill pyrite within them.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
57.0	58.0	1	0.0025	2.5	0.25	58	132	B733502
58.0	59.0	1	0.0025	2.5	0.25	29	133	B733503
59.0	60.0	1	0.0025	2.5	0.25	40	121	B733504
60.0	61.0	1	0.0025	2.5	0.25	42	129	B733505
61.0	62.0	1	0.0025	2.5	0.25	57	121	B733506
62.0	63.0	1	0.0025	2.5	0.25	37	122	B733507
63.0	64.0	1	0.0025	2.5	0.25	32	129	B733508
64.0	65.0	1	0.0025	2.5	0.25	50	107	B733509
65.0	66.0	1	0.0025	2.5	0.25	32	125	B733510
66.0	67.0	1	0.0025	2.5	0.25	38	128	B733511
67.0	68.0	1	0.0025	2.5	0.25	39	102	B733512
68.0	69.0	1	0.0025	2.5	0.25	33	120	B733513
69.0	70.0	1	0.0025	2.5	0.25	44	100	B733514
70.0	71.0	1	0.005	6	0.25	40	135	B733516
71.0	72.0	1	0.0025	2.5	0.25	38	145	B733517
72.0	73.0	1	0.0025	2.5	0.25	31	137	B733518
73.0	74.0	1	0.0025	2.5	0.25	28	155	B733519
74.0	75.0	1	0.0025	2.5	0.25	104	109	B733520
75.0	76.0	1	0.0025	2.5	0.25	17	173	B733521
76.0	77.0	1	0.0025	2.5	0.25	8	193	B733522
77.0	78.0	1	0.0025	2.5	0.25	26	196	B733523
78.0	79.0	1	0.005	2.5	0.25	74	201	B733524
79.0	80.0	1	0.0025	2.5	0.25	35	169	B733525
80.0	81.0	1	0.0025	2.5	0.25	28	138	B733526
81.0	82.0	1	0.0025	2.5	0.25	82	146	B733527
82.0	83.0	1	0.0025	2.5	0.25	79	124	B733529
83.0	84.0	1	0.0025	2.5	0.25	74	94	B733530
84.0	85.0	1	0.0025	2.5	0.25	55	113	B733531
85.0	86.0	1	0.0025	2.5	0.25	68	127	B733532
86.0	86.71	0.71	0.0025	2.5	0.25	29	72	B733533

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
86.71	**92.7**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY	86.71	88.0	1.29	0.0025	2.5	0.25	1	165	B733534
Light grey intermediate volcaniclastic unit, clasts are 90% qtz-carb blebs and 10% intermediate volcanic host rock. Moderate patchy carbonate / moderate patchy silica / weak pervasive sericite alteration present, 1% disseminated pyrite throughout unit.						88.0	89.0	1	0.005	2.5	0.25	98	198	B733535
						89.0	90.0	1	0.0025	2.5	0.25	41	183	B733536
						90.0	91.0	1	0.0025	2.5	0.25	16	207	B733537
						91.0	92.0	1	0.0025	2.5	0.25	8	209	B733538
						92.0	92.7	0.7	0.0025	2.5	0.25	20	145	B733539

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour
92.7	**130.51**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	DARK GREY

Dark grey intermediate volcanic unit, weak deformation - massive texture with no clasts. Unit shows trace - 1 % disseminated pyrite and trace blebby magnetite. Moderate patchy carbonate / weak - moderate patchy silica and weak stringer chlorite alteration. Few qtz-carb stringers with trace fracture-fill pyrite; few qtz-carb-tour-serc veins present showing trace disseminated pyrite within surrounding host rock and vein margins.

Few faults showing fault gouge + rubble zones (115.39 - 115.61, 116.71 - 116.74, 117.73 - 117.75)

From	To	Length	Au	As	Ag	Cu	Zn	Sample
92.7	94.0	1.3	0.0025	2.5	0.25	10	139	B733540
94.0	95.0	1	0.054	2.5	0.25	3	143	B733542
95.0	96.0	1	0.006	2.5	0.25	55	121	B733543
96.0	97.0	1	0.0025	2.5	0.25	7	87	B733544
97.0	98.0	1	0.0025	2.5	0.25	2	32	B733545
98.0	99.0	1	0.011	2.5	0.25	1	23	B733546
99.0	100.0	1	0.006	2.5	0.25	1	113	B733547
100.0	101.0	1	0.027	2.5	0.25	1	68	B733548
101.0	102.0	1	0.0025	2.5	0.25	1	91	B733549
102.0	103.0	1	0.0025	2.5	0.25	2	64	B733550
103.0	104.0	1	0.0025	2.5	0.25	10	52	B733551
104.0	105.0	1	0.027	2.5	0.25	9	58	B733552
105.0	106.0	1	0.0025	2.5	0.25	20	62	B733553
106.0	107.0	1	0.008	2.5	0.25	16	66	B733555
107.0	108.0	1	0.112	2.5	0.25	14	66	B733556
108.0	109.0	1	0.008	2.5	0.25	17	69	B733557
109.0	110.0	1	0.0025	2.5	0.25	13	50	B733558
110.0	111.0	1	0.0025	2.5	0.25	2	74	B733559
111.0	112.0	1	0.0025	2.5	0.25	1	62	B733560
112.0	113.0	1	0.0025	2.5	0.25	3	51	B733561
113.0	114.0	1	0.0025	2.5	0.25	14	61	B733562
114.0	115.0	1	0.0025	2.5	0.25	8	69	B733563
115.0	116.0	1	0.0025	2.5	0.25	6	69	B733564
116.0	117.0	1	0.0025	2.5	0.25	9	72	B733565
117.0	118.0	1	0.0025	2.5	0.25	2	78	B733566
118.0	119.0	1	0.005	2.5	0.25	11	78	B733567
119.0	120.0	1	0.034	2.5	0.25	13	88	B733568
120.0	121.0	1	0.0025	2.5	0.25	4	76	B733569
121.0	122.0	1	0.082	2.5	0.25	23	167	B733570
122.0	123.0	1	0.061	2.5	0.25	20	81	B733571
123.0	124.0	1	0.134	2.5	0.25	14	91	B733572

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						124.0	125.0	1	1.215	2.5	0.25	15	92	B733573
						125.0	126.0	1	0.0025	2.5	0.25	7	111	B733574
						126.0	127.0	1	0.0025	2.5	0.25	14	91	B733575
						127.0	128.0	1	0.061	8	0.25	10	81	B733577
						128.0	129.0	1	0.0025	2.5	0.25	2	69	B733578
						129.0	129.95	0.95	0.426	2.5	0.25	7	73	B733580
						129.95	130.45	0.5	0.011	2.5	0.25	3	49	B733581
						130.45	130.95	0.5	0.92	2.5	0.25	10	334	B733582

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour
130.51	**162.15**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	LIGHT GREY

Light grey intermediate volcanic unit, unit has moderate deformation (brecciated qtz-carb-tour-chlor-py veins present). Unit shows strong pervasive silica + weak pervasive carbonate + weak stringer chlorite alteration. Veins within unit range from 1 cm to 20 cm, 2-8% blebby pyrite, 1-3% disseminated pyrite, 2-3% fracture-fill pyrite, trace blebby honey brown sphalerite and dull 2% blebby pyrrhotite present within some veins. Host rock shows 1-3% disseminated pyrite overall.

144.54 - 162.15 darker grey intermediate volcanic unit with weak deformation, moderate patchy carbonate + moderate patchy silica alteration. Less pervasive silica alteration than previous unit, less mineralization within host rock. 1 cm - 15 cm veins present, 2-3% blebby pyrite, 1-2% blebby pyrrhotite and trace honey-brown sphalerite present within veins.

Veins of note:

130.51 - 130.67, qtz-carb-chlor-tour, chlor stringer veins with 2% disseminated pyrite.
135.65 - 136.02 m qtz-carb-chlor-tour vein set 5-8% blebby pyrite, 2% fracture-fill pyrite, trace blebby chalcopyrite.
136.47 - 136.62 qtz-carb-tour-chlor 2% fracture-fill pyrite + 2% blebby pyrite.
137.92 - 138.07 qtz-carb-tour-chlor with 2% disseminated pyrite within host rock.
151.90 - 152.24 qtz-carb-serc-ank-tour-py vein, 3-4% blebby pyrite, 2% blebby pyrrhotite, trace honey-brown fracture-fill sphalerite. Large vugs present.

135.65 - 136.02 : Quartz Vein, Qtz-carb-chlor-tour vein set, half the veins are discontinuous or irregular orientation. 70% vein, 30% host rock. 8% blebby pyrite, 2% fracture-fill pyrite, trace blebby chalcopyrite.

140.01 - 140.39 : Quartz Vein, Qtz-carb-tour vein set, 20% vein 80% host rock, 1% disseminated pyrite within host rock

151.9 - 152.24 : Quartz Vein, Qtz-carb-serc-ank-tour-chlor-py vein set, 80% vein / 20% host rock. Vuggy texture present.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
130.45	130.95	0.5	0.92	2.5	0.25	10	334	B733582
130.95	132.0	1.05	0.105	2.5	0.25	23	98	B733583
132.0	133.0	1	0.84	2.5	0.25	7	79	B733584
133.0	133.5	0.5	0.019	2.5	0.25	8	87	B733585
133.5	134.0	0.5	1.2	2.5	0.25	14	35	B733586
134.0	135.0	1	0.211	2.5	0.25	14	79	B733587
135.0	135.5	0.5	0.392	2.5	0.25	20	75	B733588
135.5	136.05	0.55	4.4	16	0.5	14	31	B733589
136.05	136.7	0.65	0.855	2.5	0.25	20	56	B733590
136.7	137.7	1	0.04	2.5	0.25	10	84	B733592
137.7	138.2	0.5	0.137	2.5	0.25	14	61	B733593
138.2	139.0	0.8	0.112	2.5	0.25	11	69	B733594
139.0	140.0	1	0.015	2.5	0.25	24	55	B733595
140.0	141.0	1	0.034	2.5	0.25	36	83	B733596
141.0	142.0	1	0.005	2.5	0.25	23	87	B733597
142.0	143.0	1	0.047	2.5	0.25	5	78	B733598
143.0	144.0	1	0.382	2.5	0.25	11	114	B733599
144.0	145.0	1	0.09	2.5	0.25	9	81	B733600
145.0	146.0	1	0.097	2.5	0.25	9	89	B733601
146.0	147.0	1	0.478	2.5	0.25	11	93	B733602
147.0	148.0	1	0.019	2.5	0.25	9	75	B733603
148.0	149.0	1	0.02	2.5	0.25	17	94	B733604
149.0	150.0	1	0.0025	2.5	0.25	11	55	B733606
150.0	151.0	1	0.166	2.5	0.25	34	147	B733607
151.0	151.7	0.7	0.008	2.5	0.25	58	160	B733608
151.7	152.4	0.7	0.086	5	0.25	33	82	B733609
152.4	153.0	0.6	0.0025	2.5	0.25	5	110	B733610
153.0	154.0	1	0.032	2.5	0.25	12	85	B733611
154.0	155.0	1	0.0025	2.5	0.25	2	57	B733612
155.0	156.0	1	0.006	2.5	0.25	5	73	B733613
156.0	157.0	1	0.0025	2.5	0.25	13	70	B733614

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						157.0	158.0	1	0.171	2.5	0.25	25	131	B733615
						158.0	159.0	1	0.04	2.5	0.25	11	78	B733616
						159.0	160.0	1	0.007	2.5	0.25	5	81	B733617
						160.0	161.0	1	0.302	8	0.25	16	101	B733619
						161.0	162.15	1.15	0.006	2.5	0.25	3	69	B733620
162.15	**173.62**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	BEIGE	162.15	163.0	0.85	0.114	2.5	0.25	28	44	B733621
						163.0	164.0	1	0.008	2.5	0.25	3	25	B733622
						164.0	165.0	1	0.012	2.5	0.25	9	91	B733623
						165.0	166.0	1	0.026	2.5	0.25	11	60	B733624
						166.0	167.0	1	0.055	2.5	0.25	6	23	B733625
						167.0	168.0	1	0.026	2.5	0.25	3	22	B733626
						168.0	169.0	1	0.036	2.5	0.25	4	24	B733627
						169.0	170.0	1	0.26	2.5	0.25	8	26	B733628
						170.0	171.0	1	0.032	2.5	0.25	15	84	B733629
						171.0	171.5	0.5	0.118	2.5	0.25	16	98	B733630
						171.5	172.0	0.5	0.01	2.5	0.25	6	25	B733632
						172.0	173.0	1	1.865	7	0.7	3	29	B733633
						173.0	173.62	0.62	1.89	11	0.25	8	26	B733634

Medium grained QFP unit, beige - light cream colour, moderate - strong deformation. Strong pervasive silica + moderate fracture-fill chlorite + weak patchy carbonate alteration. Veins within whole unit + host rock between 170 - 173 m show a brecciation texture along with moderate fracture-fill chlorite, with strong fracture-fill chlorite between 170-171.47 m. Overall unit shows 2-3% disseminated pyrite within localized areas of 3-5% disseminated pyrite + 2-3% fracture-fill pyrite + 2% blebby pyrite.

Areas of note:

169.70 -169.97 Qtz-carb-chlor-tour-serc vein set, few irregular veins within main vein set. 1% blebby pyrrhotite + 5% blebby pyrite + 2% fracture-fill pyrite.
170-171.47 m brecciated texture + strong fracture-fill chlorite alt 3-5% disseminated pyrite, 1% fracture-fill pyrite.
171.47 - 173.62 m highly altered unit - end of QFP, strong pervasive silica + weak pervasive hematite + moderate pervasive potassic + weak fracture-fill chlorite. 5% disseminated pyrite + 3-5% fracture-fill pyrite + 2-3 % blebby pyrite within vein margins + host rock.

163.29 - 163.69 : Quartz Vein, Qtz-carb-chlor-tour, 2% disseminated pyrite - Brecciated veins, intruded by fracture-fill chlorite

172.51 - 173.0 : Quartz Vein, Qtz-carb-chlor-py-tour-hem. 60% vein set, 40% host rock. 3% disseminated pyrite, 5% fracture-fill pyrite, 2% blebby pyrite.

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour
173.62	**253.55**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	LIGHT GREY

Light grey intermediate volcanic unit - weak deformation (moderate localized deformation within brecciated veins). Weak - moderate pervasive silica + weak - moderate pervasive carbonate / weak patchy carbonate + weak fracture-fill chlorite within veins (localized areas of strong - intense alteration within brecciated vein zones). Unit displays 5% qtz-carb stringer veins, 1-2% fracture-fill pyrite within margins + 1% disseminated pyrite within surrounding host rock. Overall the unit shows 1% disseminated pyrite.

Increased disseminated py (2-3%) and fine grained magnetite present from 185.22 - 190 m.

198 - 199.51 m 2-4% disseminated pyrite + 1% blebby pyrite + 1% fracture-fill pyrite.
199.28 - 202.18 strong pervasive silica + moderate pervasive carbonate + weak fracture-fill chlorite alteration. 30% qtz-carb-chlor veins present (70%) host rock.

202.18 - 203.22 strong pervasive silica + moderate pervasive potassic + moderate pervasive sericite + weak fracture-fill chlorite alteration. 3-4% disseminated pyrite + 1% fracture-fill pyrite present. 60% vein, 40% host rock. Unit appears to be weak - moderately brecciated in areas, with fracture-fill chlorite increasing within these areas.
212.32 - 212.7 m moderate pervasive potassic, moderate pervasive sericite and moderate pervasive silica alteration + 1-2% disseminated pyrite present.

215 - 215.37 strong silica + moderate patchy chlorite + moderate patchy carbonate - 5-10% fracture-fill pyrite + 1-2% blebby pyrite + 1% blebby chalcopyrite.

226.06 - 226.18 qtz-carb-chlor-tour-py vein, 3% blebby py + 2% fracture-fill pyrite + 2% blebby pyrrhotite. Spotty tourmaline + spotty mag

214.13 - 214.47 : Quartz Vein, Qtz-carb-chlor-py vein set. 1% disseminated pyrite + 1% blebby pyrite, 40% veins, 60% host rock

From	To	Length	Au	As	Ag	Cu	Zn	Sample
173.62	174.3	0.68	0.111	2.5	0.25	10	34	B733635
174.3	175.0	0.7	0.007	2.5	0.25	17	45	B733636
175.0	176.0	1	0.021	2.5	0.25	8	45	B733637
176.0	177.0	1	0.0025	2.5	0.25	8	47	B733638
177.0	178.04	1.04	0.082	2.5	0.25	15	137	B733639
178.04	179.0	0.96	0.329	2.5	0.25	10	105	B733640
179.0	180.0	1	0.107	2.5	0.25	12	89	B733641
180.0	181.0	1	0.0025	2.5	0.25	14	86	B733642
181.0	182.0	1	0.0025	2.5	0.25	4	70	B733643
182.0	183.0	1	0.01	2.5	0.25	6	72	B733645
183.0	184.0	1	0.035	2.5	0.25	15	87	B733646
184.0	185.0	1	0.049	2.5	0.25	24	87	B733647
185.0	186.0	1	0.033	2.5	0.25	10	70	B733648
186.0	187.0	1	0.006	2.5	0.25	14	72	B733649
187.0	188.0	1	0.019	2.5	0.25	11	61	B733651
188.0	189.0	1	0.302	2.5	0.25	28	51	B733652
189.0	190.0	1	0.0025	2.5	0.25	5	59	B733653
190.0	191.0	1	0.0025	2.5	0.25	20	80	B733654
191.0	192.0	1	0.024	2.5	0.25	20	80	B733655
192.0	193.0	1	0.0025	2.5	0.25	11	74	B733656
193.0	194.0	1	0.0025	2.5	0.25	23	89	B733658
194.0	195.0	1	0.098	2.5	0.25	37	94	B733659
195.0	196.0	1	0.0025	2.5	0.25	3	57	B733660
196.0	197.0	1	0.193	2.5	0.25	8	70	B733661
197.0	198.0	1	0.619	2.5	0.25	9	37	B733662
198.0	199.0	1	1.905	2.5	0.25	5	26	B733663
199.0	200.0	1	0.067	2.5	0.25	26	105	B733664
200.0	201.0	1	0.028	2.5	0.25	31	100	B733665
201.0	202.18	1.18	0.024	2.5	0.25	13	51	B733666
202.18	203.3	1.12	1.79	2.5	0.25	9	24	B733667
203.3	204.0	0.7	0.078	2.5	0.25	16	46	B733668

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						204.0	205.0	1	0.114	2.5	0.25	21	75	B733669
						205.0	206.0	1	0.0025	2.5	0.25	8	73	B733670
						206.0	207.0	1	0.0025	2.5	0.25	3	79	B733672
						207.0	208.0	1	0.005	2.5	0.25	8	73	B733673
						208.0	209.0	1	0.224	2.5	0.25	31	92	B733674
						209.0	210.0	1	0.014	2.5	0.25	24	69	B733675
						210.0	211.0	1	0.631	2.5	0.25	12	75	B733676
						211.0	212.0	1	0.146	2.5	0.25	13	116	B733677
						212.0	213.0	1	0.878	5	0.25	5	38	B733678
						213.0	214.0	1	0.075	2.5	0.25	8	119	B733679
						214.0	214.5	0.5	1.355	10	0.25	25	76	B733680
						214.5	215.0	0.5	0.006	2.5	0.25	8	66	B733681
						215.0	215.5	0.5	1.255	14	0.25	11	79	B733682
						215.5	216.0	0.5	0.15	2.5	0.25	10	46	B733683
						216.0	217.0	1	0.064	8	0.25	10	48	B733685
						217.0	218.0	1	0.063	2.5	0.25	15	85	B733686
						218.0	219.0	1	0.006	2.5	0.25	5	68	B733687
						219.0	220.0	1	0.059	2.5	0.25	7	90	B733688
						220.0	221.0	1	0.023	2.5	0.25	46	75	B733689
						221.0	222.0	1	0.0025	2.5	0.25	4	76	B733690
						222.0	223.0	1	0.037	2.5	0.25	3	77	B733691
						223.0	224.0	1	0.0025	2.5	0.25	4	69	B733692
						224.0	225.0	1	0.016	2.5	0.25	8	83	B733693
						225.0	226.0	1	0.106	2.5	0.25	14	89	B733694
						226.0	226.5	0.5	0.184	2.5	0.25	8	51	B733695
						226.5	227.0	0.5	0.029	2.5	0.25	8	86	B733696
						227.0	228.0	1	0.163	2.5	0.25	15	74	B733697
						228.0	228.5	0.5	0.067	2.5	0.25	13	60	B733699
						228.5	229.0	0.5	0.337	2.5	0.25	11	84	B733700
						229.0	230.0	1	0.05	2.5	0.25	9	86	B733701
						230.0	231.0	1	0.029	2.5	0.25	6	98	B733702

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						231.0	232.0	1	0.014	2.5	0.25	11	73	B733703
						232.0	233.0	1	0.005	2.5	0.25	3	80	B733704
						233.0	234.0	1	0.006	2.5	0.25	20	106	B733705
						234.0	235.0	1	0.007	2.5	0.25	15	98	B733706
						235.0	236.0	1	0.327	2.5	0.25	11	90	B733707
						236.0	237.0	1	0.101	2.5	0.25	16	117	B733708
						237.0	238.0	1	0.166	2.5	0.25	13	130	B733709
						238.0	238.5	0.5	0.457	2.5	0.25	11	62	B733710
						238.5	239.0	0.5	0.007	2.5	0.25	7	83	B733711
						239.0	240.0	1	0.006	2.5	0.25	9	78	B733713
						240.0	241.0	1	0.005	2.5	0.25	4	59	B733714
						241.0	242.0	1	0.006	2.5	0.25	5	80	B733715
						242.0	243.0	1	0.009	2.5	0.25	4	78	B733716
						243.0	244.0	1	0.039	2.5	0.25	7	56	B733717
						244.0	245.0	1	0.007	2.5	0.25	5	58	B733718
						245.0	246.0	1	0.018	2.5	0.25	23	72	B733719
						246.0	247.0	1	0.007	2.5	0.25	23	67	B733720
						247.0	248.0	1	0.007	2.5	0.25	3	46	B733721
						248.0	249.0	1	0.101	2.5	0.25	5	62	B733722
						249.0	250.0	1	0.024	2.5	0.25	6	46	B733723
						250.0	251.0	1	0.008	2.5	0.25	2	57	B733724
						251.0	252.0	1	0.021	2.5	0.25	8	110	B733725
						252.0	253.0	1	0.042	2.5	0.25	6	37	B733727
						253.0	253.55	0.55	0.006	2.5	0.25	2	24	B733728

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
253.55	**269.42**	**MD, MAFIC DYKE**	MASSIVE	VERY FINE	DARK GREY	253.55	254.35	0.8	0.75	2.5	0.25	6	161	B733729
Mafic Dyke - moderate patchy carbonate + weak fracture-fill silica + weak patchy magnetite. Unit is softer than surrounding IV units - unit has higher mag than surrounding unit. Dark grey - strong upper and lower contacts, loss of welded silica texture within this unit. Upper qtz-carb veins show more ductile flow texture, lower qtz-carb veins show more brittle crack-seal texture. 253.55 - 259 2-3% disseminated pyrite + 1-4% blebby pyrite. Unit shows ductile qtz-carb-chlor veins. 269 - 269.42 5% blebby pyrite + qtz-carb stringer veins.						254.35	255.0	0.65	3.94	7	0.25	4	108	B733730
						255.0	255.5	0.5	0.028	2.5	0.25	8	269	B733731
						255.5	256.0	0.5	0.011	2.5	0.25	10	176	B733733
						256.0	256.5	0.5	0.008	2.5	0.25	31	212	B733734
						256.5	257.0	0.5	0.011	2.5	0.25	48	264	B733736
						257.0	257.5	0.5	0.007	2.5	0.25	32	251	B733737
						257.5	258.0	0.5	0.025	2.5	0.25	37	173	B733738
						258.0	259.0	1	0.177	2.5	0.25	53	209	B733739
						259.0	260.0	1	0.0025	2.5	0.25	62	115	B733740
						260.0	261.0	1	0.007	2.5	0.25	36	113	B733741
						261.0	262.0	1	0.0025	2.5	0.25	50	121	B733742
						262.0	263.0	1	0.0025	2.5	0.25	52	109	B733743
						263.0	264.0	1	0.005	2.5	0.25	42	108	B733744
						264.0	265.0	1	0.0025	2.5	0.25	39	109	B733745
						265.0	266.0	1	0.005	2.5	0.25	37	110	B733746
						266.0	267.0	1	0.0025	2.5	0.25	36	181	B733747
						267.0	268.0	1	0.0025	2.5	0.25	11	199	B733748
						268.0	268.5	0.5	0.005	2.5	0.25	18	241	B733750
						268.5	269.42	0.92	0.235	2.5	0.25	7	184	B733751

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
269.42	**288.6**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY	269.42	270.0	0.58	0.0025	2.5	0.25	3	66	B733752
IV unit - grey colour, welded - pervasive moderate silica + weak - moderate pervasive carbonate + weak fracture-fill chlorite. Few zones of multiple generations of qtz-carb-chlor-tour veins, many irregular / recrystallized veins present within intervals. Unit overall shows 1% disseminated pyrite.						270.0	271.0	1	0.0025	2.5	0.25	5	61	B733753
						271.0	272.0	1	0.0025	2.5	0.25	5	49	B733754
Zones of interest:						272.0	273.0	1	0.0025	2.5	0.25	12	58	B733755
273.26 - 274.13 m brecciated texture - qtz-carb-chlor-py 2% blebby pyrite + 1% disseminated pyrite within host rock. Multiple generations of irregular veins.						273.0	274.0	1	0.012	2.5	0.25	3	51	B733756
						274.0	275.0	1	0.2	2.5	0.25	17	63	B733757
276.25 - 276.96 brecciated texture - qtz-carb-chlor-py 2% blebby pyrite + 1% disseminated pyrite. Multiple irregular vein sets.						275.0	276.0	1	0.05	2.5	0.25	10	66	B733758
						276.0	277.0	1	0.045	5	0.25	9	70	B733759
						277.0	278.0	1	0.136	2.5	0.25	5	57	B733760
						278.0	279.0	1	0.084	2.5	0.25	6	67	B733761
						279.0	280.0	1	0.0025	2.5	0.25	2	53	B733763
						280.0	281.0	1	0.0025	2.5	0.25	2	60	B733764
						281.0	282.0	1	0.0025	2.5	0.25	2	81	B733766
						282.0	283.0	1	0.024	2.5	0.25	3	75	B733767
						283.0	284.0	1	0.0025	2.5	0.25	2	53	B733768
						284.0	285.0	1	0.0025	2.5	0.25	6	54	B733769
						285.0	286.0	1	0.0025	2.5	0.25	5	60	B733770
						286.0	287.0	1	0.005	2.5	0.25	1	62	B733771
						287.0	288.0	1	0.011	2.5	0.25	3	72	B733772
						288.0	288.6	0.6	0.09	2.5	0.25	16	73	B733773
288.6	**296.63**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	MEDIUM	GREY	288.6	289.2	0.6	0.0025	2.5	0.25	4	69	B733774
IV unit - medium grained silica / amphiboles present, showing subtle - weak foliation. Similar to previous unit, coarser grained with less silica alteration + more pervasive carbonate. Fewer qtz-carb stringers than previous unit. Overall unit shows 1% disseminated pyrite, sharp lower contact with Mafic Dyke.						289.2	290.0	0.8	0.0025	2.5	0.25	10	64	B733776
						290.0	291.0	1	0.0025	2.5	0.25	12	55	B733777
						291.0	292.0	1	0.0025	2.5	0.25	14	61	B733778
						292.0	293.0	1	0.0025	2.5	0.25	11	63	B733779
						293.0	294.0	1	0.0025	2.5	0.25	5	58	B733780
						294.0	295.0	1	0.0025	2.5	0.25	7	59	B733781
						295.0	296.0	1	0.005	2.5	0.25	7	62	B733782
						296.0	297.0	1	0.007	2.5	0.25	23	103	B733783

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
296.63	**296.97**	**MD, MAFIC DYKE**	MASSIVE	APHANITIC	BLACK	296.0	297.0	1	0.007	2.5	0.25	23	103	B733783
Massive black mafic intrusion, strongly magnetic 3-5% blebby pyrite, weak pervasive silica alteration along sharp contacts.														
296.97	**298.21**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	BEIGE	296.0	297.0	1	0.007	2.5	0.25	23	103	B733783
Intermediate volcanic unit, high pervasive silica + moderate patchy carbonate + weak fracture-fill chlorite present. 1-2% fracture-fill pyrite + 1% disseminated pyrite within unit. Sharp lower and upper contact between MV / QFP units.						297.0	297.7	0.7	0.0025	2.5	0.25	4	28	B733784
						297.7	298.21	0.51	0.046	2.5	0.25	12	44	B733785
Small qtz-carb-chlor veins present show 1-2% disseminated pyrite + 2-3% fracture-fill pyrite.														
298.21	**302.53**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	BEIGE	298.21	299.0	0.79	0.0025	2.5	0.25	4	19	B733786
QFP unit, bob lake trend? light beige - sand colour, weak deformation with medium grained porphyritic qtz-carb-biotite grains present. Weak pervasive potassic alteration near sharp contacts + weak patchy carbonate + weak fracture-fill chlorite. Unit shows overall 1-2% disseminated pyrite with 2-3% fracture-fill pyrite within vein margins. Sharp lower and upper contacts between IV units.						299.0	300.0	1	0.0025	2.5	0.25	9	21	B733787
						300.0	301.0	1	0.0025	2.5	0.25	6	32	B733789
						301.0	301.9	0.9	0.007	2.5	0.25	5	18	B733790
QFP unit shows less brecciation than previous QFP, less qtz-carb-chlor veining along with less alteration in general.						301.9	302.53	0.63	0.0025	2.5	0.25	16	29	B733791
302.53	**312.02**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	DARK GREY	302.53	303.2	0.67	0.014	2.5	0.25	9	84	B733792
Intermediate volcanic unit, fine - medium grained. Moderate deformation, qtz-carb crack seal veins present. Pronounced black amphiboles present within a similar matrix of previous IV units. Unit show moderate pervasive silica + moderate pervasive carbonate + weak fracture-fill chlorite along vein margins (subtle fracture-fill potassic alteration also present along vein margins). Overall 1-2% disseminated pyrite within unit.						303.2	304.0	0.8	0.008	2.5	0.25	11	110	B733793
						304.0	305.0	1	0.055	2.5	0.25	31	127	B733794
						305.0	306.0	1	0.005	2.5	0.25	26	93	B733795
5% qtz-carb stringer veins within unit, most show null - trace fracture-fill pyrite, sparse larger veins present. Sharp contacts with small mafic dykes present, showing 1-2% fracture-fill pyrite + 1% blebby pyrite within dykes.						306.0	307.0	1	0.005	2.5	0.25	17	78	B733796
Mafic dykes: 309.61 - 309.92 m - 1% blebby pyrite 310.03 - 310.07 - null sulphides 311.54 - 312.02 - 2% blebby pyrite.						307.0	308.0	1	0.0025	2.5	0.25	11	77	B733797
						308.0	309.0	1	0.005	2.5	0.25	12	91	B733798
						309.0	310.0	1	0.0025	2.5	0.25	26	126	B733799
						310.0	311.0	1	0.005	2.5	0.25	9	73	B733800
						311.0	312.05	1.05	0.012	2.5	0.25	18	92	B733801

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour
312.02	**353**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY

Intermediate volcanic, pronounced amphiboles disappear past mafic dykes, silica alteration more prevalent. Finer grained qtz-carb / lighter grey colour than previous intermediate volcanic. Qtz-carb crack-seal veins not present. Overall mineralization 1% disseminated pyrite, with localized increase around qtz-carb veins.

312.02 - 322.2 moderate pervasive silica + weak pervasive carbonate + weak patchy carbonate alteration. Qtz-carb-chlor-tour veins present with 2-3% blebby pyrite + 2-3% fracture-fill pyrite. Overall unit shows 1% disseminated pyrite.

322.2 - 342.2 strong pervasive silica + weak pervasive sericite + weak patchy carbonate. More qtz-carb-chlor-tour veins present, 2% blebby pyrite + 2-4% fracture-fill pyrite + 1-2% disseminated pyrite within veins. Overall unit shows 2-3% disseminated pyrite.

342.2 - 353 moderate pervasive silica + weak pervasive sericite + weak pervasive carbonate - alteration + mineralization drops off towards end of hole, 1% disseminated pyrite but no of note alteration / deformation.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
311.0	312.05	1.05	0.012	2.5	0.25	18	92	B733801
312.05	313.0	0.95	0.026	5	0.25	2	60	B733803
313.0	314.0	1	0.022	2.5	0.25	1	54	B733804
314.0	315.0	1	0.03	2.5	0.25	3	59	B733805
315.0	315.75	0.75	0.0025	2.5	0.25	2	58	B733806
315.75	316.3	0.55	0.156	2.5	0.25	11	52	B733807
316.3	317.0	0.7	0.0025	2.5	0.25	9	60	B733808
317.0	318.0	1	0.0025	2.5	0.25	14	70	B733809
318.0	319.0	1	0.015	2.5	0.25	10	62	B733810
319.0	320.0	1	0.0025	2.5	0.25	7	56	B733811
320.0	321.0	1	0.293	2.5	0.25	7	60	B733812
321.0	322.0	1	0.0025	2.5	0.25	9	53	B733814
322.0	323.0	1	0.0025	2.5	0.25	8	55	B733815
323.0	324.0	1	0.429	2.5	0.25	11	36	B733816
324.0	325.0	1	0.394	2.5	0.25	23	35	B733817
325.0	326.0	1	0.374	2.5	0.25	14	59	B733818
326.0	327.0	1	0.0025	2.5	0.25	10	63	B733819
327.0	328.0	1	0.083	2.5	0.25	7	42	B733820
328.0	329.0	1	0.0025	2.5	0.25	7	50	B733821
329.0	330.0	1	0.008	2.5	0.25	9	55	B733822
330.0	330.5	0.5	0.104	2.5	0.25	12	64	B733823
330.5	331.0	0.5	0.012	2.5	0.25	10	54	B733824
331.0	332.0	1	0.009	2.5	0.25	12	50	B733826
332.0	333.0	1	0.05	2.5	0.25	7	46	B733827
333.0	333.5	0.5	0.852	2.5	0.25	7	47	B733828
333.5	334.0	0.5	0.043	2.5	0.25	7	46	B733829
334.0	334.5	0.5	0.311	2.5	0.25	8	46	B733830
334.5	335.2	0.7	0.212	2.5	0.25	5	33	B733831
335.2	335.8	0.6	0.306	7	0.25	5	33	B733832
335.8	336.5	0.7	0.566	8	0.25	13	32	B733833
336.5	337.0	0.5	0.101	5	0.25	3	27	B733834

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						337.0	338.0	1	0.287	2.5	0.25	5	42	B733835
						338.0	339.0	1	0.165	2.5	0.25	14	43	B733836
						339.0	340.0	1	0.124	2.5	0.25	8	37	B733837
						340.0	341.0	1	0.009	2.5	0.25	16	46	B733838
						341.0	342.0	1	0.013	2.5	0.25	9	45	B733840
						342.0	343.0	1	0.177	2.5	0.25	19	50	B733841
						343.0	344.0	1	0.0025	2.5	0.25	44	50	B733842
						344.0	345.0	1	0.0025	2.5	0.25	17	46	B733843

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-10-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Sep-16-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	6	**Drill Company:**	Major Drilling	**Easting:**	505,759
Orient:	ACT III	**EOH:**	422			**Northing:**	5,507,338
Hole Status:	INPROGRESS	**Logged Depth:**	422			**Elevation:**	386

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**5.26**	**OB, OVERBURDEN**												
5.26	**14.58**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT BROWN	5.26	6.0	0.74	0.052	2.5	0.25	36	125	B733844
						6.0	7.0	1	0.009	2.5	0.25	11	150	B733845
						7.0	8.0	1	0.02	2.5	0.25	14	155	B733846
						8.0	9.0	1	0.047	2.5	0.25	20	124	B733847
						9.0	9.9	0.9	0.009	2.5	0.25	14	106	B733848
						9.9	11.0	1.1	0.109	2.5	0.25	20	153	B733849
						11.0	11.6	0.6	0.005	2.5	0.25	19	146	B733850
						11.6	12.26	0.66	0.0025	2.5	0.25	11	143	B733851
						12.26	13.2	0.94	0.238	14	0.25	34	148	B733853
						13.2	14.0	0.8	0.028	7	0.25	13	72	B733854
						14.0	14.58	0.58	0.0025	2.5	0.25	11	55	B733855
14.58	**16.89**	**MD, MAFIC DYKE**	MASSIVE	FINE	DARK GREY	14.58	15.2	0.62	0.0025	2.5	0.25	30	95	B733856
						15.2	16.0	0.8	0.0025	2.5	0.25	35	83	B733857
						16.0	16.89	0.89	0.024	2.5	0.25	37	131	B733858

Intermediate volcanic, red-brown to grey, fine to very fine grained, foliated-sheared
strong deformation-shearing with strong pervasive ankerite-potassic alteration and irregular-discontinuous quartz veins in the areas of strongest deformation. Vns all share similar orientation. pyrite in low abundances occurring as Small clusters in and around veins. deformation and alteration decrease towards sharp lower contact.

7.28 - 7.62 : Quartz Vein, Irr qtz-carb-tor 80% vn 20% altered host rock, fault gouge on lower contact

10.03 - 10.38 : Quartz Vein, irregular qtz-carb-py vn 0.5% py, 60% vn material, 40% altered host rock

Mafic dyke, dark grey, fine grained (pronounced grain boundaries), massive texture, low abundance of 0.2cm qtz-carb fractures sharing similar orientation, sharp upper contact with IV, rubbled lower contact (drill spin), moderate ankerite alteration along rubbled contact

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
16.89	**33.56**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	APHANITIC	LIGHT GREY	16.89	18.0	1.11	0.005	2.5	0.25	17	105	B733859
Intermediate Volcanic, very fine grained, grey to light grey, massive. pervasive sil alteration ranging from moderate to strong. moderate ser alteration in strongly sil altered intervals. moderate abundance of discontinuous-irregular qtz-carb fractures, rare qtz vns 1-3cm widths with similar assemblages and orientations . 0.5-3% disseminated clusters of py.po, highest sulphide abundance seen in intervals of strong sil alteration. Unit similar to altered IV seen in VH21-008						18.0	19.0	1	0.0025	2.5	0.25	11	91	B733860
						19.0	20.0	1	0.0025	2.5	0.25	11	103	B733861
						20.0	21.0	1	0.0025	2.5	0.25	21	121	B733862
						21.0	22.0	1	0.0025	2.5	0.25	19	85	B733863
						22.0	23.0	1	0.0025	2.5	0.25	27	43	B733864
						23.0	24.0	1	0.018	2.5	0.25	8	26	B733866
						24.0	25.0	1	0.029	2.5	0.25	8	53	B733867
						25.0	25.6	0.6	0.895	2.5	0.25	19	101	B733868
						25.6	26.1	0.5	0.898	2.5	0.25	20	109	B733869
						26.1	27.0	0.9	0.16	2.5	0.25	14	46	B733870
						27.0	28.0	1	0.005	2.5	0.25	25	28	B733871
						28.0	29.0	1	0.005	2.5	0.25	16	83	B733872
						29.0	30.0	1	0.291	2.5	0.25	21	108	B733873
						30.0	31.0	1	0.007	2.5	0.25	27	123	B733874
						31.0	32.0	1	0.602	2.5	0.25	22	108	B733876
						32.0	33.0	1	0.13	2.5	0.25	24	84	B733877
						33.0	33.54	0.54	0.058	2.5	0.25	17	79	B733879
						33.54	34.2	0.66	0.011	2.5	0.25	74	145	B733880
33.56	**37.55**	**MD, MAFIC DYKE**	MASSIVE	VERY FINE	GREY	33.54	34.2	0.66	0.011	2.5	0.25	74	145	B733880
Mafic dyke, grey to dark grey colour, grain size grading from fine to medium grained with depth, predominant massive texture with weak foliation observed in lower- fine grained portion of unit, sharp upper and lower contacts, moderate abundance of 0.1-1cm qtz-carb fractures, Unit likely made up of 2 intrusions, the first from 33.46-34.67m aphantic, dark grey, massive. the second from 34.67-37.55m: fine grained, weakly foliated, increase carb fracture vns, decrease py-po content,. contact between two dykes shows a IV inclusion which displays strong sil alteration seen in above IV unit.						34.2	35.0	0.8	0.005	2.5	0.25	93	110	B733881
						35.0	36.0	1	0.0025	2.5	0.25	25	110	B733882
						36.0	37.0	1	0.005	2.5	0.25	30	129	B733883
						37.0	37.55	0.55	0.023	2.5	0.25	34	168	B733884

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
37.55	**60.74**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	37.55	38.2	0.65	0.015	2.5	0.25	47	52	B733885
Intermediate Volcanic, very fine grained to aphanitic, grey, massive (very weak foliation displayed in some areas), pervasive moderate silica alteration, lower density of carb fractures (0.1-0.2cm), 51-51.5 weak epidote alteration fracture-fill, 1-3% py-po mineralization diss-wisps. gradational lower contact Similar to IV unit seen from 16.89-33.56m						38.2	39.0	0.8	0.011	2.5	0.25	11	56	B733886
						39.0	40.0	1	0.061	2.5	0.25	20	47	B733887
						40.0	41.0	1	0.046	2.5	0.25	14	56	B733888
						41.0	42.0	1	0.053	2.5	0.25	14	86	B733889
						42.0	43.0	1	0.0025	2.5	0.25	18	76	B733890
						43.0	44.0	1	0.012	2.5	0.25	19	70	B733892
						44.0	45.0	1	0.0025	2.5	0.25	12	61	B733893
						45.0	46.0	1	0.006	2.5	0.25	13	63	B733894
						46.0	47.0	1	0.351	2.5	0.25	19	108	B733895
						47.0	48.0	1	0.0025	2.5	0.25	28	84	B733896
						48.0	49.0	1	6.42	2.5	0.25	141	181	B733897
						49.0	50.0	1	0.015	2.5	0.25	31	184	B733898
						50.0	51.0	1	0.011	2.5	0.25	20	93	B733899
						51.0	52.0	1	0.248	2.5	0.25	499	127	B733900
						52.0	53.0	1	0.0025	2.5	0.25	13	44	B733901
						53.0	54.0	1	0.05	2.5	0.25	53	56	B733902
						54.0	55.0	1	0.021	2.5	0.25	18	57	B733903
						55.0	56.0	1	0.067	2.5	0.25	36	53	B733904
						56.0	57.0	1	0.092	2.5	0.25	24	46	B733906
						57.0	58.0	1	0.051	2.5	0.25	25	50	B733907
						58.0	59.0	1	0.476	2.5	0.25	75	83	B733908
						59.0	60.0	1	0.187	2.5	0.25	25	60	B733909
						60.0	60.74	0.74	0.985	2.5	0.25	57	78	B733910
60.74	**65.34**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREEN-GREY	60.74	61.4	0.66	0.09	2.5	0.25	49	174	B733911
Possible intermediate volcaniclastic, light grey-green, wispy-altered weakly foliated texture, semi-pervasive ser-chl alteration possibly altering clasts, unit proximal to gabbro so likely altered from intrusion. 1-2% coarse grained py seen in wisps and as euhedral grains, gradational upper contact, sharp lower contact with intrusion						61.4	62.0	0.6	0.006	2.5	0.25	90	308	B733912
						62.0	63.0	1	0.0025	2.5	0.25	15	220	B733913
						63.0	64.0	1	0.242	2.5	0.25	182	132	B733914
						64.0	64.6	0.6	0.105	2.5	0.25	75	196	B733915
						64.6	65.34	0.74	0.137	2.5	0.25	25	113	B733916

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
65.34	**142.55**	**GAB, GABBRO**	MASSIVE	COARSE	LIGHT GREEN	65.34	66.0	0.66	0.009	2.5	0.25	44	163	B733917
Gabbro, light green-black, grain size grades from fine near upper contact to coarse. magnetic, massive or varitextured, Inclusion of strongly sil-pot altered volcanic from 137.56-138.10m. Lower contact grades between cg and fine grained likely made up of multiple intrusions or intrusions postdating gabbro. Lower contract with IV sharp but undulating. Py content increases near end of unit 1-2%						66.0	67.0	1	0.005	2.5	0.25	39	171	B733919
						141.0	141.8	0.8	0.0025	2.5	0.25	62	143	B733920
						141.8	142.55	0.75	0.0025	2.5	0.25	76	142	B733921
142.55	**145.69**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	APHANITIC	LIGHT BROWN	142.55	143.25	0.7	0.005	2.5	0.25	60	144	B733922
Intermediate Volcanic, light grey-light brown, very fine to aphanitic,, possible weak foliation created by aligned fractures, strongly deformed strong pervasive sil-pot/hem alteration increasing around irregular fractures, fractures creating a pseudo-breccia texture, Mineralization occuring as blebs and wisps proximal to lower contact. 1-2cm reliced quartz-carb veins.						143.25	144.0	0.75	0.005	2.5	0.25	19	146	B733923
						144.0	145.0	1	0.011	2.5	0.25	13	67	B733924
						145.0	145.69	0.69	0.0025	2.5	0.25	8	56	B733925
145.69	**150.82**	**MD, MAFIC DYKE**	MASSIVE	FINE	BLACK	145.69	146.4	0.71	0.027	2.5	0.25	38	137	B733926
Mafic dyke, black to grey-green, grain size grades from very fine to fine, massive, sharp upper and lower contacts, py occurring as disseminated grains larger than the matrix and fracture-fill 3%. Altered IV inclusion (149.22-150.09 m) displaying similar alteration to IV unit seen along upper contact.						146.4	147.0	0.6	0.0025	2.5	0.25	38	147	B733927
						147.0	148.0	1	0.005	2.5	0.25	61	190	B733928
						148.0	148.6	0.6	0.0025	2.5	0.25	55	151	B733929
						148.6	149.22	0.62	0.01	2.5	0.25	51	154	B733930
						149.22	150.09	0.87	0.007	2.5	0.25	16	61	B733931
						150.09	150.82	0.73	0.006	2.5	0.25	61	148	B733933
150.82	**154.68**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	150.82	151.4	0.58	0.005	2.5	0.25	20	43	B733934
IV Unit grades from very fine grained-aphanitic, homogeneous sil altered volcanic unit (150.82-152.02) into possible intermediate volcaniclastic, light grey-green, wispy-altered weakly foliated texture, semi-pervasive ser-chl alteration possibly altering clasts (152.02-154.68) Lower possible IVCL unit proximal to QFP which may explain increased alteration. 1-2% coarse grained py seen in wisps, sharp upper and lower contacts. Unit similar to IV/IVCL seen above gabbro						151.4	152.0	0.6	0.01	2.5	0.25	18	31	B733935
						152.0	153.0	1	0.133	2.5	0.25	68	162	B733936
						153.0	154.0	1	0.0025	2.5	0.25	12	56	B733937
						154.0	154.68	0.68	0.016	2.5	0.25	9	44	B733938

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
154.68	**166.18**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	LIGHT GREY	154.68	155.3	0.62	0.042	2.5	0.25	12	71	B733939
QFP, light grey, medium grained, porphyritic texture, low abundance of qtz-carb-py vns 1-12cm in width. Most prominent structures at 158.08-158.66: 55cm qtz-carb-tor-epi-chl vein set made up of 20% cross-cutting 0.5-1cm vns with 3% very fine grained py along margins.163.10-163.24: 12cm qtz-py-tor with 18% py. sharp lower contact						155.3	156.0	0.7	0.088	2.5	0.25	8	35	B733940
						156.0	157.0	1	0.081	2.5	0.25	13	277	B733941
158.08 - 158.66 : Quartz Vein, 55cm qtz-carb-tor-epi-chl vein set made up of 20% cross-cutting 0.5-1cm vns with 3% very fine grained py along margins						157.0	158.08	1.08	0.059	2.5	0.25	14	55	B733942
						158.08	158.7	0.62	0.072	2.5	0.25	15	75	B733943
						158.7	159.4	0.7	0.009	2.5	0.25	14	52	B733944
						159.4	160.0	0.6	0.033	2.5	0.25	11	48	B733945
						160.0	161.0	1	0.017	2.5	0.25	12	47	B733947
						161.0	162.0	1	0.073	2.5	0.25	9	81	B733948
						162.0	162.5	0.5	0.134	2.5	0.25	10	46	B733949
						162.5	163.0	0.5	0.071	2.5	0.25	11	45	B733950
						163.0	163.5	0.5	155	6	64.7	1,385	445	B733951
						163.5	164.0	0.5	0.025	2.5	0.25	14	63	B733952
						164.0	165.0	1	0.356	2.5	0.25	18	64	B733953
						165.0	165.5	0.5	0.008	2.5	0.25	7	60	B733955
						165.5	166.18	0.68	0.099	2.5	0.25	9	46	B733956
166.18	**175.75**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	MEDIUM	DARK GREY	166.18	167.0	0.82	0.009	2.5	0.25	5	75	B733957
IV, grey-dark grey, fine to medium grained, possible IVCL made up of 0.5cm-2cm carb clasts, wispy-patchy moderate to strong carbonate alteration, 1% py disseminated as larger blebs in localized intervals. Strong albite-epi alteration pervasive in rare interval (167.64-167.90m) with 2% py within interval. Unit has gradational lower contact with fine grained IV below						167.0	167.5	0.5	0.006	2.5	0.25	7	62	B733958
						167.5	168.15	0.65	0.012	2.5	0.25	9	73	B733959
						168.15	169.0	0.85	0.0025	2.5	0.25	2	127	B733961
175.75	**203.75**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	201.0	202.0	1	0.009	2.5	0.25	14	55	B733962
IV, dark grey-grey, very fine to aphanitic. pervasive weak silica alteration, low abundance of irregular carb fractures, 1% pyrite disseminated and occuring in isolated wisps. Grain size and texture from 197.5-199.6 appears pseudo-volcaniclastic- similar to IV unit from 166.18-175.75m. sharp lower contact with MD.						202.0	203.0	1	0.0025	2.5	0.25	11	53	B733963
						203.0	203.75	0.75	0.006	2.5	0.25	31	42	B733964
203.75	**205.28**	**MD, MAFIC DYKE**	MASSIVE	VERY FINE	GREEN-GREY	203.75	204.5	0.75	0.009	2.5	0.25	78	237	B733965
Mafic dyke, black to grey-green, very fine to aphanitic grain size, massive texture, sharp upper and lower contacts, moderate abundance of 0.1-1cm carb fractures with similar orientation to contacts.						204.5	205.28	0.78	0.007	2.5	0.25	81	240	B733966
205.28	**208.92**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	205.28	206.0	0.72	0.006	2.5	0.25	24	59	B733967
IV, grey-light grey, very fine to aphanitic. pervasive moderate to strong silica alteration, low abundance of irregular carb fractures, 3-4% pyrite wispy-clusters along carbonate fractures. sharp upper and lower contacts with irregular qtz-carb-chl vein occuring along lower contact.						206.0	207.0	1	0.006	2.5	0.25	73	241	B733968
						207.0	208.0	1	0.009	2.5	0.25	113	255	B733970
						208.0	208.92	0.92	0.005	2.5	0.25	52	162	B733971

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
208.92	**210.89**	**MD, MAFIC DYKE**	MASSIVE	FINE	DARK GREY	208.92	209.5	0.58	0.017	2.5	0.25	93	404	B733972
Mafic dyke, black to grey-green, very fine to aphanitic grain size, massive texture, sharp upper and lower contacts with deformed qtz-carb veins occuring along both contacts, intrusion is similar to MD seen from 203.75-205.28m, this unit has 1% wispy pyrite which was not seen in the above intrusion.						209.5	210.2	0.7	0.018	2.5	0.25	92	359	B733973
						210.2	210.89	0.69	0.013	2.5	0.25	102	919	B733974
210.89	**213.65**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	APHANITIC	LIGHT GREY	210.89	211.6	0.71	0.013	2.5	0.25	92	109	B733975
IV, grey-light grey, very fine to aphanitic. pervasive moderate to intense silica alteration, low abundance of irregular carb fractures, 3-4% pyrite wispy-clusters along carbonate fractures and throughout host rock. two 2cm qtz-py veins of similar orientation occuring from 212.53-212.7m. sharp upper contact with deformed qtz-carb-chl veins occuring along uppercontact. Lower contact is deformed but slightly undulating Unit is similar to Silica rich IV unit logged from 205.28-208.92m.						211.6	212.4	0.8	0.009	2.5	0.25	71	86	B733976
						212.4	213.0	0.6	0.136	2.5	0.25	25	57	B733977
						213.0	213.65	0.65	0.0025	2.5	0.25	10	44	B733978
213.65	**226.62**	**MD, MAFIC DYKE**	AMYGDALOIDAL	MEDIUM	GREEN-GREY	213.65	214.25	0.6	0.0025	2.5	0.25	6	153	B733979
Mafic Dyke, grey-green, fine to medium grained, massive with high abundance of 0.1-1cm carbonate blebs (amygdals?) in top half of unit, sharp upper and lower contacts. high abundance of semi-regular carb-qtz fractures 0.5-1cm. Rare 1cm qtz-carb veins, py occuring in low abundances (1%) as wispys and 0.2cm euhedral crystals. ---						214.25	215.0	0.75	0.0025	2.5	0.5	21	119	B733980
						215.0	216.0	1	0.0025	2.5	0.25	32	116	B733981
Possible mafic volcanic if carb blebs are amygdals, though given the lack of silica alteration, this unit likley post-dates the volcanic units seen above (205.28-208.92, 210.89-213.65) **This is possibly the mg volcanic unit seen in VH21-008**						216.0	217.0	1	0.005	2.5	0.25	47	139	B733982
						217.0	218.0	1	0.005	2.5	0.5	37	206	B733984
						218.0	219.0	1	0.0025	2.5	0.25	25	157	B733985
						219.0	220.0	1	0.006	2.5	0.25	64	125	B733986
						220.0	221.0	1	0.0025	2.5	0.25	44	110	B733987
						221.0	222.0	1	0.0025	2.5	0.25	13	117	B733988
						222.0	223.0	1	0.0025	2.5	0.25	35	150	B733989
						223.0	224.0	1	0.006	2.5	0.25	92	236	B733990
						224.0	225.0	1	0.006	2.5	0.25	66	228	B733991
						225.0	226.0	1	0.007	2.5	0.25	100	143	B733992
						226.0	226.62	0.62	0.007	2.5	0.25	58	114	B733993
226.62	**228.2**	**MV, MAFIC VOLCANIC**	BRECCIA	FINE	LIGHT BROWN	226.62	227.2	0.58	0.044	2.5	0.6	53	74	B733994
Mafic Volcanic, dark-light brown, fine grained, weak brecciated texture possibly cased by intense pot-sil alteration. Gradational upper and lower contact. Possibly the same unit as above (MV?) displaying intense alteration. black fine amphibole grains present in altered contacts. Signs of intense healed deformation from 227.92-228.2m- *possible healed fault*- 6cm qtz-carb-py vn occuring on lower end of int def interval.						227.2	227.7	0.5	0.012	2.5	0.25	93	95	B733995
						227.7	228.2	0.5	0.355	2.5	0.25	31	73	B733997

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
228.2	**232.53**	**MD, MAFIC DYKE**	AMYGDALOIDAL	VERY FINE	LIGHT GREEN	228.2	229.0	0.8	0.006	2.5	0.25	36	106	B733998
Mafic Dyke, grey-green, fine to medium grained, massive with rare 0.1-1cm carbonate blebs (amygdals?), sharp lower contact with carb fractures creating a psuedo-breccia texture near lower contact. high abundance of semi-regular carb-qtz fractures 0.5-1cm. 0.5% wispy py throughout increasing to 3% near lower contact.						229.0	230.0	1	0.005	2.5	0.25	36	106	B733999
						230.0	231.0	1	0.0025	2.5	0.25	43	161	B734000
Possible mafic volcanic if carb blebs are amygdals, though given the lack of silica alteration, this unit likley post-dates the volcanic units seen above (205.28-208.92, 210.89-213.65) **This is possibly the mg volcanic unit seen in VH21-008** Similiar to unit seen from 213.65-226.32m						231.0	232.0	1	0.015	2.5	0.6	222	150	B734001
						232.0	232.53	0.53	0.016	2.5	0.25	163	114	B734002
232.53	**270.53**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	232.53	233.2	0.67	0.0025	2.5	0.25	21	19	B734003
IV, dark grey-grey, very fine to aphanitic. pervasive weak silica alteration, low-moderate abundance of irregular carb fractures increasing to high abundance from 254-259m, 0.5% diss py in isolated intervals. gradational upper and lower contacts. 269.37-270.53 shows intense sil alteration. pyrite content increases to 3% wispy in sil altered interval. Lower portion of unit hosts inclusions of IVCL unit seen below as well as small possible mafic intrusions (246.63-246.97m, 260.75-261.35m, 263.43-263.80m) with similar compositions **Similar to IV unit from 166.18-175.75, 205.28-208.92m,						233.2	234.0	0.8	0.0025	2.5	0.25	20	43	B734004
						234.0	235.0	1	0.0025	2.5	0.25	28	50	B734005
						267.0	268.0	1	0.0025	2.5	0.25	19	100	B734006
						268.0	268.75	0.75	0.0025	2.5	0.25	5	108	B734007
						268.75	269.37	0.62	0.0025	2.5	0.25	18	119	B734008
						269.37	270.0	0.63	0.0025	2.5	0.25	7	21	B734010
						270.0	270.53	0.53	0.009	2.5	0.25	4	19	B734011
270.53	**353**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	DARK GREY	270.53	271.2	0.67	0.0025	2.5	0.25	44	184	B734012
IVCL, grey to dark grey, very fine grained matrix with monomictic clasts ranging in size from 0.5cm wide to >5cm wide, all clasts showing weak to moderate deformation, pervasive weak to strong foliation defined by aligned+stretched clasts, rare 1cm qtz-carb-py veins seen from 280.7-292.4m all veins have similar orientation and nil to 3% py-po, py mineralization seen rarely in altered clasts. Interval 296-299 displays medium grained-volcanic texture. Unit begins to display IV characteristics (very fine grained, lacks clasts) near lower contact (374-375.35)Alteration throughout unit typical with assemblage seen in greenschist facies metamorphism.						271.2	272.0	0.8	0.0025	2.5	0.25	26	204	B734013
						288.0	288.5	0.5	0.0025	2.5	0.25	3	141	B734014
						288.5	289.0	0.5	0.155	2.5	0.25	9	191	B734015
						289.0	289.5	0.5	0.0025	2.5	0.25	9	183	B734016
353	**375.35**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	DARK GREY	373.0	374.0	1	0.0025	2.5	0.25	12	213	B734017
IVCL; dark grey, clast-supported, aphanitic matrix. Sub-rounded and sub-angular elongated clasts varying in size (1-50mm) - varying composition (int.-felsic). Clasts exhibit strong pervasive carbonate alteration and moderate deformation, creating a pronounced foliation. 1-2% disseminated pyrite in matrix. Mineralization consistent throughout interval, with areas of increased pyrite content spatially associated with secondary amphiboles. 1-5mm wide carb-qtz veins scarcely seen (~2% of interval). Moderate silica alteration increases slightly around 372 m. Clast abundance decreases at 374.5 m, transitioning to matrix-supported with carb-rich angular clasts. Occasional carb veins increase in width (1-8mm) from 374.18-375.26 m. Magnetic minerals present throughout interval (>1%) -- possibly ferrimagnetic pyrrhotite. Sharp contact with QFP at 375.35 m. QFP intrusion possible heat source for hydrothermal fluid circulation, homogenizing IVCL unit for 0.81 m above contact.						374.0	374.7	0.7	0.0025	2.5	0.25	4	143	B734018
						374.7	375.35	0.65	0.0025	2.5	0.25	8	155	B734019

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
375.35	**379.92**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	BEIGE	375.35	376.0	0.65	0.011	2.5	0.25	5	48	B734020
QFP; plag phenocrysts (1-3mm) in FG matrix. Weak to moderate deformation creating preferred orientation. 1-2mm wide carb fractures from 375.35-376.55 m (3%). 2% fracture-fill pyrite; 2% disseminated cubic pyrite. 0.5-2cm wide qtz-carb-py+/- tourm veins from 376.05-379.18 m (5%); cross-cutting relationships indicate one generation of vein emplacement. Weak to moderate sericite alteration increasing down interval. Felspar phenocrysts become more pronounced from 378-379.92 m. Sharp contact with IVCL at 379.92 m.						376.0	377.0	1	0.005	2.5	0.25	5	38	B734021
						377.0	378.0	1	0.0025	2.5	0.25	4	33	B734023
						378.0	378.75	0.75	0.007	2.5	0.25	4	26	B734024
						378.75	379.25	0.5	0.045	2.5	0.25	3	23	B734025
						379.25	379.92	0.67	0.012	2.5	0.25	3	47	B734026
379.92	**388.03**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	DARK GREY	379.92	381.0	1.08	0.0025	2.5	0.25	3	163	B734027
IVCL; dark grey, clast-supported, aphanitic matrix. Rounded to sub-rounded and sub-angular elongated clasts varying in size (1-60mm) - varying composition (int.-felsic). Clasts exhibit strong pervasive carbonate alteration and moderate deformation, creating a pronounced foliation. Pyrite content 0.5% disseminated from 379.92-386 m; gradational increase to 2-3% disseminated cubic pyrite from 386-387.45 m; possibly chemically associated with occurrence of multiple 1 cm wide qtz-carb-py veins in same interval. Unit exhibits stronger mag than previous IVCL unit. Intrusive contact with IV at 388.03 m. Unit experiences strong pervasive carb alteration and moderate pervasive silica alteration. QFP intrusion possible heat source for hydrothermal fluid circulation, homogenizing IVCL unit for 2.88 m below sharp contact at 379.92 m.						381.0	382.0	1	0.007	2.5	0.25	4	173	B734028
						382.0	383.0	1	0.0025	2.5	0.25	6	158	B734029
						383.0	384.0	1	0.0025	2.5	0.25	47	153	B734030
						384.0	385.0	1	0.006	2.5	0.25	28	202	B734031
						385.0	386.0	1	0.008	2.5	0.25	34	216	B734032
						386.0	386.5	0.5	0.174	2.5	0.25	73	166	B734033
						386.5	387.0	0.5	0.072	2.5	0.8	295	180	B734034
						387.0	388.0	1	0.149	2.5	0.25	93	156	B734035
						388.0	389.0	1	0.036	7	0.25	5	77	B734037
388.03	**390.26**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	APHANITIC	DARK GREY	388.0	389.0	1	0.036	7	0.25	5	77	B734037
IV; dark grey, aphanitic. 0.5% disseminated pyrite, occurring mostly at/near carb veinlet (1-4mm wide) margins. Unit exhibits moderate to strong pervasive/fracture-fill carb alteration. Weak deformation.						389.0	390.26	1.26	0.008	2.5	0.25	3	78	B734038
390.26	**396.76**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	DARK GREY	390.26	390.8	0.54	0.024	2.5	0.25	52	129	B734040
IVCL similar to previous units. Dark grey, clast-supported, aphanitic matrix. Sub-rounded and angular to sub-angular elongated clasts varying in size (1-60mm) - varying composition (int.-felsic). Clasts exhibit strong pervasive carbonate alteration and moderate deformation, creating a pronounced foliation. Pyrite mineralization 0.5% disseminated. Multiple 2-4mm wide qtz-carb+/-py+/-tourm veins (5%). Two qtz-carb-py-tour veins (1.5 and 0.5 cm wide) at 390.43-390.47 m with increased mineralization (2%) within a 2 cm margin of the veins; pyrite grains increase in size (1-2mm) and become more euhedral. 6 cm wide zone of 3-4% euhedral pyrite (4-5mm) at 395.98 m. Semi-pervasive chlorite alteration spatially associated with secondary amphiboles. Moderately mag (~1%).						390.8	391.4	0.6	0.008	2.5	0.25	53	173	B734041
						391.4	392.0	0.6	0.0025	2.5	0.25	25	196	B734042
						392.0	393.0	1	0.0025	2.5	0.25	27	184	B734043
						393.0	394.0	1	0.006	2.5	0.25	52	177	B734044
						394.0	395.0	1	0.005	2.5	0.25	106	159	B734045
						395.0	395.5	0.5	0.0025	2.5	0.25	64	158	B734046
						395.5	396.1	0.6	0.0025	2.5	0.25	30	183	B734048
						396.1	396.76	0.66	0.0025	2.5	0.25	38	184	B734049
396.76	**398.55**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY	396.76	397.65	0.89	0.0025	2.5	0.25	24	82	B734050
IV; dark grey, very fine grain, weak deformation. 0.5% disseminated pyrite in unit with increase in grain size and content (2%) prox. and in qtz-carb-chl-py+/-tourm veins. Regular qtz-carb-chl-py+/-tourm veins with uniform orientation yet varying size (0.2-5 cm). Veins experience patchy chl alteration and strong pervasive carb alteration. Sharp upper contact with IVCL unit and sharp lower contact with IVCL.						397.65	398.55	0.9	0.006	2.5	0.25	19	115	B734051

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
398.55	**422**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	DARK GREY	398.55	399.4	0.85	0.063	2.5	0.25	97	189	B734052
IVCL; dark grey, clast-supported, aphanitic matrix. Sub-rounded and sub-angular to angular elongated clasts varying in size (1-50mm) - varying composition (int.-felsic). Clasts exhibit strong pervasive carbonate alteration and moderate deformation, creating a pronounced foliation. 0.5% disseminated pyrite with localized areas of increased grain size (0.6-1cm) and content (1%). Similar to units seen 270.53-393.76 m.						399.4	400.49	1.09	0.028	2.5	0.25	102	187	B734053

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-010

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-16-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Sep-20-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	6	**Drill Company:**	Major Drilling	**Easting:**	505,835
Orient:	ACT III	**EOH:**	237.5			**Northing:**	5,507,330
Hole Status:	COMPLETE	**Logged Depth:**	237.5			**Elevation:**	395

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**6.2**	**OB, OVERBURDEN**												
6.2	**10.7**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	GREY	9.0	10.0	1	0.0025	2.5	0.25	12	72	B734054
Intermediate volcanic, grey to light grey, massive to weakly foliated, moderate abundance of irregular 0.4cm carb belbs (amygdals?), Alteration throughout unit typical with assemblage seen in greenschist facies metamorphism with wispy sericite alteration increases to strong PPV near sharp lower contact.						10.0	10.7	0.7	0.005	2.5	0.25	40	62	B734055
10.7	**14.5**	**MD, MAFIC DYKE**	BANDED	MEDIUM	GREEN-GREY	10.7	11.5	0.8	0.0025	2.5	0.25	42	138	B734056
Mafic Dyke, grey to dark grey, banded texture created by regular 0.5-1cm qtz-carb vns, moderate pv carb alteration with strong fracture-fill carb occuring in vns/fractures. Medium to fine grained. Sharp upper and lower contacts differing in angles slightly, lower contact occurs with 3cm qtz-carb-py vn. Rubble zone occuring from 11.15-12m- moderate fracture-fill ank within rubble zone. Similar to MD/ Course grained IVs seen in 008+009 displaying the same qtz-carb veinlet/fracture density.						11.5	12.25	0.75	0.018	2.5	0.25	48	120	B734057
						12.25	13.0	0.75	0.069	2.5	0.25	48	113	B734058
						13.0	13.85	0.85	0.005	2.5	0.25	47	115	B734060
						13.85	14.5	0.65	0.0025	2.5	0.25	21	121	B734061
14.5	**17.86**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT GREY	14.5	15.2	0.7	0.017	2.5	0.25	98	43	B734062
Strongly deformed intermediate volcanic, light grey, very fine to fine grained, strong carb alteration throughout with strong sericite occurring within upper portion of unit (14.5-15.50m) leading up tp rubbled zone 15.50-15.80m. Strong ankerite alteration within rubble zone. High vein density from 15.80-16.86m, most dominate 3, 2cm qtz-carb veins with similar orientation. Ankerite alteration continues to bottom of unit weakly along fractures. Rubbled lower contact with 0.2cm qtz-carb vn. Pyrite mineralization occuring in rare clusters 1% throughout unit.						15.2	16.0	0.8	0.013	2.5	0.25	28	87	B734063
						16.0	16.86	0.86	0.024	2.5	0.25	28	123	B734064
						16.86	17.5	0.64	0.007	2.5	0.25	62	132	B734065
15.7 - 16.15 : Quartz Vein, vein set made up of three 1cm qtz-carb veins						17.5	18.5	1	0.0025	2.5	0.25	13	68	B734066
17.86	**30.75**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	DARK GREY	17.5	18.5	1	0.0025	2.5	0.25	13	68	B734066
IV, grey-dark grey, massive to weakly foliated, fine to very fine grained, potential clasts throughout weakly outlined by alteration. pervasive weak to moderate carb alteration. sharp upper and lower contacts. pyrite mineralization occuring in rare mm scale veins in upper portion of unit near above deformation zone.														
30.75	**33.92**	**MD, MAFIC DYKE**	MASSIVE	FINE	BLACK									
MD, fine grained, massive texture, sharp upper and lower contacts, predominately homogeneous unit with weak deformation zone from 32.7-32.95m with increased sil-ser alteration and reliced carb veins. Pyrite throughout standing out as fine to medium grains producing similar texture to unit seen in VH21-009 (145.69-150.82m)														

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
33.92	**35.53**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY									
IV, light grey, very fine grained to aphanitic, massive, pervasive strong sil alteration, weak semi-pervasive hem alteration giving off a weak red colour. fracture fill epidote (likely from the Gabbro), sharp upper and lower contacts slightly undulous.														
35.53	**125.79**	**GAB, GABBRO**	MASSIVE	COARSE	GREEN-GREY	119.0	119.9	0.9	0.005	2.5	0.25	36	153	B734067
Gabbro, light green-black, grain size grades from fine near upper contact to coarse. magnetic, massive or varitextured, Inclusion of strongly sil-pot altered volcanic from 137.56-138.10m. Lower contact alternates between cg and fg and hosts a potential IV inclusion from 120.45-122m, likely made up of multiple intrusions or intrusions postdating gabbro. Rubble zones at 120.55-120.65 and 122.92-123.15m.						119.9	120.4	0.5	0.008	2.5	0.25	33	180	B734068
						120.4	121.0	0.6	0.0025	2.5	0.25	11	77	B734069
						121.0	122.0	1	0.0025	2.5	0.25	5	52	B734070
						122.0	123.0	1	0.0025	2.5	0.25	5	66	B734071
						123.0	124.0	1	0.0025	2.5	0.25	38	156	B734072
						124.0	125.0	1	0.0025	2.5	0.25	47	140	B734074
						125.0	125.79	0.79	0.007	2.5	0.25	40	147	B734075

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour
125.79	**193.49**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	LIGHT GREY

IV, Grey-light grey, fine grained, weak foliation defined by aligned carb amygdals (1-3mm) with strong-intense sil altered area displaying a massive aphanitic texture. sharp upper contact. Unit hosts moderate abundance of quartz veins ranging from 1-80cm in size. Most common are 1-3cm qtz-tor-py vns all with similar orientations. 1-4% disseminated pyrite mineralization seen in upper portion of unit 125.79-142m 7% wispy py 139.6-140.35m. Mineralization drops to 0.5% disseiminated increasing in veins and rare fractures from 142-190m, Silica alteration throughout unit ranging from moderate to strong pervasive. sericite alteration accompanying sil alteration as moderate wisps. Fracture-fill epidote alteration present 125.79-142m likely sourced from gabbro. Vein density increases from 167-169.2m with 1-10cm qtz veins often altered and reliced in some cases to the point of barely being visible, 1% py in most veins

130.60-130.78 18cm qtz-tor-epi-Py 2% py
132.69-133.04 qtz-tor-py-epi vein set made up of 3 1cm veins
133.37-133.45 8cm qtz-epi-tor Py 2% Py
141.87-141.97 6cm qtz-carb-ser-epi-tor-Py 1% Py
148.98-149.82 80cm psuedo-brecciating qtz-Py-sph-chl vn made up of 80% vn material and 20% altered and deformed wall rock. Sulphides occur as semi-massive blebs-wisps along margins of host rock and vein. 8% total sulphide content

132.69 - 133.04 : Quartz Vein, qtz-tor-py-epi vein set made up of 3 1cm veins

148.98 - 149.76 : Quartz Vein, 80cm psuedo-brecciating qtz-Py-sph-chl vn made up of 80% vn material and 20% altered and deformed wall rock. Sulphides occur as semi-massive blebs-wisps along margins of host rock and vein. 8% total sulphide content

From	To	Length	Au	As	Ag	Cu	Zn	Sample
125.79	126.6	0.81	0.008	2.5	0.25	11	84	B734076
126.6	127.4	0.8	0.01	2.5	0.25	6	59	B734077
127.4	128.0	0.6	0.005	2.5	0.25	8	62	B734078
128.0	129.0	1	0.008	2.5	0.25	9	55	B734079
129.0	130.0	1	0.011	2.5	0.25	16	60	B734080
130.0	130.5	0.5	0.01	2.5	0.25	8	65	B734081
130.5	131.0	0.5	2.19	2.5	0.25	24	66	B734082
131.0	132.0	1	0.009	2.5	0.25	22	58	B734083
132.0	132.5	0.5	0.0025	2.5	0.25	9	55	B734085
132.5	133.1	0.6	0.033	6	0.25	28	56	B734087
133.1	133.6	0.5	0.815	2.5	0.25	27	66	B734088
133.6	134.3	0.7	0.028	2.5	0.25	9	89	B734089
134.3	135.0	0.7	0.034	2.5	0.25	34	63	B734090
135.0	135.5	0.5	0.131	2.5	0.25	15	66	B734091
135.5	136.0	0.5	0.018	2.5	0.25	12	69	B734092
136.0	137.0	1	0.101	2.5	0.25	32	79	B734093
137.0	137.5	0.5	0.04	2.5	0.25	23	83	B734094
137.5	138.0	0.5	0.255	2.5	0.25	32	80	B734095
138.0	139.0	1	0.0025	2.5	0.25	24	65	B734096
139.0	140.0	1	0.048	2.5	0.8	571	87	B734097
140.0	141.0	1	0.075	2.5	2.2	832	102	B734098
141.0	141.6	0.6	0.0025	2.5	0.25	13	62	B734100
141.6	142.1	0.5	0.127	2.5	0.25	12	46	B734101
142.1	143.0	0.9	0.008	2.5	0.25	6	69	B734102
143.0	144.0	1	0.01	2.5	0.25	11	67	B734103
144.0	145.0	1	0.0025	2.5	0.25	14	85	B734104
145.0	146.0	1	0.01	2.5	0.25	10	52	B734105
146.0	147.0	1	0.0025	2.5	0.25	11	113	B734106
147.0	147.9	0.9	0.027	2.5	0.25	45	99	B734107
147.9	148.4	0.5	0.009	2.5	0.25	45	138	B734108
148.4	148.9	0.5	0.013	2.5	0.25	48	160	B734109

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						148.9	149.9	1	1.755	2.5	0.25	26	95	B734110
						149.9	151.0	1.1	0.008	2.5	0.25	7	52	B734111
						151.0	152.0	1	0.006	2.5	0.25	3	68	B734113
						152.0	153.0	1	0.0025	2.5	0.25	5	62	B734114
						153.0	154.0	1	0.005	2.5	0.25	3	71	B734115
						154.0	155.0	1	0.27	2.5	0.25	9	75	B734116
						155.0	156.0	1	0.0025	2.5	0.25	8	71	B734117
						156.0	157.0	1	0.0025	2.5	0.25	4	79	B734118
						157.0	158.0	1	0.0025	2.5	0.25	5	74	B734119
						158.0	159.0	1	0.0025	2.5	0.25	6	64	B734120
						159.0	160.0	1	0.088	2.5	0.25	18	76	B734121
						160.0	161.0	1	0.041	2.5	0.25	28	68	B734122
						161.0	162.0	1	0.0025	2.5	0.25	10	76	B734123
						162.0	163.0	1	0.0025	2.5	0.25	14	73	B734124
						163.0	164.0	1	0.013	2.5	0.25	7	76	B734126
						164.0	165.0	1	0.0025	2.5	0.25	10	79	B734127
						165.0	166.0	1	0.0025	2.5	0.25	8	80	B734128
						166.0	167.0	1	0.0025	2.5	0.25	35	156	B734129
						167.0	167.5	0.5	0.0025	2.5	0.25	8	85	B734130
						167.5	168.5	1	0.0025	2.5	0.25	13	146	B734131
						168.5	169.2	0.7	0.0025	2.5	0.25	12	82	B734132
						169.2	170.0	0.8	0.0025	2.5	0.25	6	75	B734133
						170.0	171.0	1	0.0025	2.5	0.25	12	67	B734134
						171.0	172.0	1	0.0025	2.5	0.25	5	70	B734135
						172.0	173.0	1	0.0025	2.5	0.25	6	60	B734136
						173.0	174.0	1	0.0025	2.5	0.25	9	61	B734137
						174.0	175.0	1	0.0025	2.5	0.25	6	58	B734138
						175.0	176.0	1	0.344	2.5	0.25	16	117	B734140
						176.0	177.0	1	0.0025	2.5	0.25	6	47	B734141
						177.0	178.0	1	0.0025	2.5	0.25	8	55	B734142
						178.0	179.0	1	0.027	2.5	0.25	51	192	B734143

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						179.0	180.0	1	0.009	2.5	0.25	66	175	B734144
						180.0	181.0	1	0.019	2.5	0.25	66	188	B734145
						181.0	182.0	1	0.142	2.5	0.25	75	135	B734146
						182.0	183.0	1	0.008	2.5	0.25	15	60	B734147
						183.0	184.0	1	0.067	2.5	0.25	16	53	B734148
						184.0	184.5	0.5	0.124	2.5	0.25	9	83	B734149
						184.5	185.0	0.5	0.018	2.5	0.25	10	92	B734150
						185.0	186.0	1	0.0025	2.5	0.25	10	66	B734151
						186.0	187.0	1	0.0025	2.5	0.25	9	53	B734153
						187.0	188.0	1	0.0025	2.5	0.25	11	68	B734154
						188.0	188.75	0.75	0.012	2.5	0.25	16	74	B734155
						188.75	189.25	0.5	1.915	2.5	0.25	14	61	B734156
						189.25	190.0	0.75	0.472	2.5	0.25	8	74	B734157
						190.0	191.0	1	0.006	2.5	0.25	7	71	B734158
						191.0	192.0	1	0.006	2.5	0.25	11	64	B734159
						192.0	192.9	0.9	0.0025	2.5	0.25	10	60	B734160
						192.9	193.49	0.59	0.0025	2.5	0.25	13	68	B734161
193.49	**196.45**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT GREY	193.49	194.2	0.71	0.01	2.5	0.25	63	114	B734162
Deformation Zone, light grey, aphanitic matrix with 1-2mm carb altered amygdals. intensely foliated/sheared, with high abundance of irregular qtz-carb fractures and veins. Most notable structure is 80cm qtz-carb-tor-musc vein with altered wallrock inclusions. No visible sulphide mineralization throughout deformation zone.						194.2	195.2	1	0.026	2.5	0.25	22	65	B734163
						195.2	196.0	0.8	0.0025	2.5	0.25	9	85	B734164
194.34 - 195.16 : Quartz Vein, 80cm qtz-carb-tor-musc vein with altered wallrock inclusions. No visible sulphide mineralization						196.0	196.45	0.45	0.013	2.5	0.25	40	62	B734165

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour
196.45	**222.19**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY

IV, grey-dark grey, massive to weakly foliated, fine to very fine grained. pervasive weak to moderate carb alteration with silica alteration ranging from moderate to strong in short intervals near veins and intrusions. Gradational upper and lower contacts. Pyrite and silica abundance increasing near lower contact with QFP. Low vein abundance, similar veins seen elsewhere in hole (1-3cm qtz-tor-py vns). moderate abundance of 1-3mm carb amygdals. Similar unit seen from 231.38-237.5m

From	To	Length	Au	As	Ag	Cu	Zn	Sample
196.45	197.1	0.65	0.044	2.5	0.25	40	61	B734167
197.1	198.0	0.9	0.022	2.5	0.25	5	21	B734168
198.0	199.0	1	0.009	2.5	0.25	6	23	B734169
199.0	200.0	1	0.0025	2.5	0.25	2	31	B734171
200.0	200.5	0.5	0.087	2.5	0.25	10	61	B734172
200.5	201.0	0.5	0.053	2.5	0.25	12	78	B734173
201.0	202.0	1	0.245	2.5	0.25	12	96	B734174
202.0	203.0	1	0.017	2.5	0.25	12	75	B734175
203.0	204.0	1	0.024	2.5	0.25	7	79	B734176
204.0	205.0	1	0.0025	2.5	0.25	5	74	B734177
205.0	205.5	0.5	1.96	2.5	0.25	18	59	B734178
205.5	206.0	0.5	0.006	2.5	0.25	4	84	B734179
206.0	207.0	1	0.008	2.5	0.25	4	92	B734181
207.0	208.0	1	0.117	2.5	0.25	7	98	B734182
208.0	209.0	1	0.0025	2.5	0.25	4	85	B734183
209.0	209.5	0.5	0.08	2.5	0.25	6	81	B734184
209.5	210.0	0.5	0.0025	2.5	0.25	3	83	B734185
210.0	211.0	1	0.085	2.5	0.25	7	105	B734186
211.0	212.0	1	0.0025	2.5	0.25	8	99	B734187
212.0	212.75	0.75	0.005	2.5	0.25	28	117	B734188
212.75	213.25	0.5	0.671	2.5	0.25	27	161	B734189
213.25	214.0	0.75	0.015	2.5	0.25	21	98	B734190
214.0	215.0	1	0.0025	2.5	0.25	10	114	B734191
215.0	216.0	1	0.029	2.5	0.25	16	163	B734192
216.0	217.0	1	0.033	2.5	0.25	10	86	B734193
217.0	218.0	1	0.0025	2.5	0.25	8	112	B734195
218.0	218.8	0.8	0.023	2.5	0.25	29	109	B734196
218.8	219.3	0.5	0.736	2.5	0.25	27	110	B734197
219.3	220.0	0.7	0.028	2.5	0.25	27	73	B734198
220.0	221.0	1	0.005	2.5	0.25	7	75	B734199
221.0	221.5	0.5	0.005	2.5	0.25	3	37	B734200

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						221.5	222.19	0.69	0.785	5	0.25	7	26	B734201
222.19	**231.38**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	LIGHT GREY	222.19	223.0	0.81	0.015	2.5	0.25	8	24	B734202
QFP, light grey, medium grained, porphyritic texture defined by 0.2-0.6cm feldspar grain, moderate abundance of brittle often slightly irregular- qtz-carb-tor-py-sph vns 0.5-6cm in width. Gradational upper contact and sharp lower contact. Sericite alteration and deformation 20-30cms from contacts. Mineralization present in brittle veins and disseminated as euhedral grains in proximal host rock.						223.0	224.0	1	0.009	2.5	0.25	8	38	B734204
						224.0	224.6	0.6	0.028	2.5	1.9	12	86	B734205
						224.6	225.1	0.5	0.038	2.5	0.25	16	65	B734206
						225.1	225.6	0.5	0.012	2.5	0.25	13	239	B734207
						225.6	226.1	0.5	2.04	2.5	50.3	151	22,700	B734208
						226.1	226.8	0.7	0.018	2.5	0.25	13	75	B734209
						226.8	227.4	0.6	0.009	2.5	0.25	19	430	B734210
						227.4	228.0	0.6	0.016	2.5	0.25	11	48	B734211
						228.0	229.0	1	0.067	2.5	0.25	19	294	B734212
						229.0	229.6	0.6	0.029	2.5	0.25	9	46	B734213
						229.6	230.1	0.5	0.169	2.5	0.25	6	198	B734214
						230.1	230.7	0.6	0.015	2.5	0.25	10	55	B734215
						230.7	231.38	0.68	0.014	2.5	0.25	7	138	B734216
231.38	**237.5**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	231.38	232.0	0.62	0.301	2.5	0.25	4	219	B734218
IV, grey-dark grey, massive to weakly foliated, fine to very fine grained. pervasive weak to moderate carb alteration with silica alteration ranging from moderate to strong in short intervals near veins and intrusions. Sharp upper contact with QFP. Low vein abundance, similar veins seen elsewhere in hole (1-3cm qtz-tor-py vns). moderate abundance of 1-3mm carb amygdals. 3% pyrite from 231.38-232.5m likely due to contact with QFP. Similar to unit seen from 196.45-222.19m						232.0	233.0	1	0.078	2.5	0.25	18	123	B734219
						233.0	234.0	1	0.0025	2.5	0.25	5	117	B734220
						234.0	235.0	1	0.041	2.5	0.25	11	180	B734221
						235.0	236.0	1	0.0025	2.5	0.25	11	88	B734222
						236.0	237.0	1	0.0025	2.5	0.25	9	93	B734223
						237.0	237.5	0.5	0.0025	2.5	0.25	4	86	B734224

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-011

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-21-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Sep-24-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**		**Drill Company:**	Major Drilling	**Easting:**	505,638
Orient:	ACT III	**EOH:**	338			**Northing:**	5,507,562
Hole Status:	COMPLETE	**Logged Depth:**	338			**Elevation:**	389

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**3.07**	**OB, OVERBURDEN**												
3.07	**25**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	APHANITIC	GREEN-GREY									
IV: Green-grey massive aphanitic unit with moderate carb alteration. Mod-high density of 0.2-0.5cm wide qtz-carb-chl veins and carb fractures. Fractures are all of similar orientation. Nil to trace sulphides. Weak silica alteration. Sharp contact with lower IVCL unit . 10.5-11.5: IV with increased silica and carb alteration. 0.5-1% diss pyrite. 19.6: Deformed 2cm wide carb-qtz-ank-chl-py vein at possible fault.														
25	**56**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	GREY	55.0	55.5	0.5	0.0025	2.5	0.25	54	87	B734225
IVCL: Grey aphanitic polyclastic. Clasts range from 1-10mm, sub-rounded and angular to sub-angular. Clasts appear qtz- (10%) and carb-rich (40%). Low abundance of 0.2-0.5cm wide carb fractures with similar orientation that differs from overlying unit. 0.5-1% diss pyrite with localized areas of 1-2% pyrite. Sharp contacts between alternating sequence of IVCL with intermittent IV unit. Whole interval experiences moderate pervasive carb alteration and weak silica alteration.						55.5	56.07	0.57	0.012	2.5	0.25	9	95	B734226

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-011

From	To	Lithology	Texture	Grain Size	Colour
56	**71.8**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY

IV: Grey, very fine grain, massive, weak deformation, similar to previous unit. 0.5-1% diss pyrite with localized areas of up to 3% cubic pyrite. Mineralization increases proximal to cm-scale qtz-carb-py-tourm veins. Moderate abundance of 0.2-0.5cm wide carb fractures with irregular orientations. Weak silica alteration. Sharp contact with lower IVCL unit.

60.49: Qtz-carb-py-tourm veins 2cm and 1cm wide. Pyrite content increases to 3% proximal to vein. Mod carb alteration halo around veins.
62.55: 2cm wide carb-qtz-py-tourm vein.
63.85-64.86: IVCL; same as other unit seen up-hole.
65.59: Qtz-carb-py-tourm vein 1cm wide.
68.58: Qtz-carb-tourm-ser vein 1.5cm wide
69.05: Carb-qtz-chl-tourm vein
71.45: 2cm wide carb-qtz vein that brecciated the HR in-situ and a 3cm wide carb-qtz-chl-tourm-py vein

From	To	Length	Au	As	Ag	Cu	Zn	Sample
55.5	56.07	0.57	0.012	2.5	0.25	9	95	B734226
56.07	57.0	0.93	0.012	2.5	0.25	69	187	B734227
57.0	58.0	1	0.008	2.5	0.25	62	117	B734228
58.0	59.0	1	0.007	2.5	0.25	63	104	B734229
59.0	60.0	1	0.009	2.5	0.25	60	94	B734231
60.0	60.6	0.6	0.028	2.5	0.25	56	85	B734232
60.6	61.3	0.7	0.011	2.5	0.25	74	108	B734233
61.3	62.0	0.7	0.01	2.5	0.25	69	105	B734234
62.0	62.5	0.5	0.013	2.5	0.25	67	116	B734235
62.5	63.0	0.5	0.017	2.5	0.25	59	131	B734236
63.0	64.0	1	0.01	2.5	0.25	44	118	B734237
64.0	64.75	0.75	0.011	2.5	0.25	22	75	B734238
64.75	65.25	0.5	0.019	2.5	0.25	61	184	B734239
65.25	66.0	0.75	0.012	2.5	0.25	70	131	B734240
66.0	67.0	1	0.009	2.5	0.25	58	101	B734241
67.0	68.0	1	0.007	2.5	0.25	57	93	B734242
68.0	69.0	1	0.024	2.5	0.25	76	96	B734244
69.0	69.5	0.5	0.032	2.5	0.25	56	101	B734245
69.5	70.0	0.5	0.011	2.5	0.25	94	119	B734246
70.0	71.0	1	0.012	2.5	0.25	70	124	B734247
71.0	71.8	0.8	0.008	2.5	0.25	30	158	B734249

Project: Van Horne **Hole Number:** VH21-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
71.8	**81.97**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	GREY	71.8	72.4	0.6	0.013	2.5	0.25	46	152	B734250
IVCL: Grey, aphanitic, polyclastic. Sub-rounded and sub-angular clasts range from 1-20mm; carb- and qtz-rich. Elongated clasts define a moderate foliation. 3% cubic diss and blebby pyrite. Moderate abundance of irregular carb fractures. Moderate pervasive silica+carb alteration. Moderate deformation of carb fractures. Moderate abundance of qtz-carb-chl-tourm-py veins 1-4cm wide, all with similar orientation. Sharp upper and lower contacts with 1cm qtz-carb vein occuring along upper contact.						72.4	73.0	0.6	0.011	2.5	0.25	47	209	B734251
						73.0	74.0	1	0.023	2.5	0.25	71	198	B734252
						74.0	75.0	1	0.014	2.5	0.25	43	206	B734253
76.93: Qtz-carb-tourm vein 1cm wide 77.40: Qtz-carb-chl-tourm-py vein 3cm wide with 1cm wide offshoot of same assemblage 77.83: Qtz-carb-py-tourm vein 1.5cm wide 79.71: Qtz-carb-chl-tourm-py vein 1cm wide 81.10: Multiple qtz-carb-chl-py-tourm veins 1cm and 0.5cm wide.						75.0	76.0	1	0.009	2.5	0.25	47	180	B734254
						76.0	77.0	1	0.044	2.5	0.25	18	103	B734255
						77.0	77.5	0.5	0.114	2.5	0.25	14	110	B734257
						77.5	78.0	0.5	0.032	2.5	0.25	14	104	B734258
						78.0	79.0	1	0.011	2.5	0.25	18	117	B734259
						79.0	80.0	1	0.005	2.5	0.25	27	83	B734260
						80.0	81.0	1	0.0025	2.5	0.25	8	75	B734261
						81.0	81.97	0.97	0.005	2.5	0.25	25	59	B734262
81.97	**92.13**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY	81.97	83.0	1.03	0.005	2.5	0.25	41	156	B734263
IV: Grey, very fine grain, massive, 1-2% diss cubic pyrite. Moderate pervasive carb alteration and weak silica alteration. Moderate abundance of irregular carb fractures. Moderate deformation creates a weak foliation. Sharp contact with lower IVCL unit.						83.0	84.0	1	0.005	2.5	0.25	51	98	B734264
						84.0	85.0	1	0.0025	2.5	0.25	73	99	B734265
88.20: Carb-qtz-py-tourm vein 1cm wide 88.43: Carb-qtz-chl-ser-py vein 1cm wide 91.81: Qtz-carb-py-ser vein set made up of three 1cm veins with similar orientation 89-89.5: Zone of in-situ puzzle-piece breccia by carb-rich fluid forced into HR. 90.8-92.30: Possible IVCL inclusion. Interval displays weak clasts. Texture similar to 92.13-122. 92-92.02: Qtz-carb-chl-py-tourm vein 1.5cm wide						85.0	86.0	1	0.005	2.5	0.25	95	96	B734266
						86.0	87.0	1	0.0025	2.5	0.25	36	101	B734267
						87.0	88.0	1	0.013	2.5	0.25	47	98	B734268
						88.0	88.5	0.5	0.006	2.5	0.6	90	95	B734269
						88.5	89.0	0.5	0.006	2.5	0.8	59	105	B734271
						89.0	90.0	1	0.006	2.5	0.5	68	117	B734272
						90.0	90.8	0.8	0.006	2.5	0.25	48	201	B734273
						90.8	91.5	0.7	0.0025	2.5	0.25	42	78	B734274
						91.5	92.13	0.63	0.173	2.5	0.25	31	131	B734275

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
92.13	**120.05**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	GREY	92.13	93.0	0.87	0.024	2.5	0.25	43	112	B734276
IVCL: Grey, aphanitic, polyclastic. Clast size varies from 0.1-8cm wide; carb- and sil-rich. Clasts are not well sorted. Moderate-strong deformation elongates clasts, defining foliation. 2-3% blebby/diss pyrite. Moderate pervasive carb alteration, moderate pervasive silica alteration, weak sericite alteration. Very low abundance of carb fractures. Clasts become more stretched and muddled ~117m. Unit displays two intervals of volcanic textures (103.6-104.26; 11.97-113).						93.0	94.0	1	0.005	2.5	0.25	31	140	B734277
						94.0	95.0	1	0.129	2.5	0.25	22	136	B734278
						95.0	96.0	1	0.0025	2.5	0.25	15	139	B734279
103.9-103.16: Irr strongly deformed carb-qtz-alb-chl vein						115.0	115.6	0.6	0.0025	2.5	0.25	4	117	B734280
111.97: Sharp upper contact between IVCL and IV inclusion 112-112.96: IV: grey, fine grained, moderate pervasive carb alteration.						115.6	116.4	0.8	0.072	2.5	0.25	7	79	B734282
115.64-116.41: Zone of increased (strong) carb alteration 120.05-122: IV with irr mod deformed carb fractures, all with similar orientation.						116.4	117.0	0.6	0.0025	2.5	0.25	2	132	B734283

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From	To	Lithology	Texture	Grain Size	Colour
120.05	**183.59**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	DARK GREY

IV: Dark grey grading into light green, massive, fine grain, IV with 0.5% disseminated pyrite with localized fracture-fill 2% pyrite. Mineralization appears consistent throughout the unit, but rare 5 mm cubic pyrite grains occur in HR. High abundance of 0.5-1 mm carb fractures, moderate abundance of 1-8 mm carb fractures; orientation of fractures changes at 133 m. Sporadic qtz-carb-chl-py+/-tourm veins 0.5-4 cm wide. Unit experiences brittle deformation (indicated by in-situ puzzle-piece brecciated HR by carb veins), transitions to ductile deformation at 162.57 m to 166.40 m before returning to a brittle stress regime. Unit experiences moderate pervasive carb alteration and moderate silica alteration. Pervasive epidote alteration appears around 167.5 m and continues downhole, increasing in intensity.

137.19: 3cm qtz-carb-chl-tour-py vein with irr 1cm offshoot.
137.53: Slightly irregular 7cm qtz-chl-carb-tourm-py vein
138.53: 5cm qtz-carb-chl-py-tourm vein
153.63: 5cm qtz-carb-chl-tourm vein
162.57-166.40: Deformation zone; Increase in strongly deformed carb fractures and cm-scale nodules. Transition from brittle to ductile stress regime.
179.84: 3cm qtz-carb-ep-chl vein
181.42: Qtz-carb-chl-py vein set of three 1-3cm veins
182.80: 1cm qtz-carb-py-chl-ep vein
183.59: Sharp undulating contact between upper IV unit and lower QFP.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
136.0	136.5	0.5	0.0025	7	0.25	45	70	B734284
136.5	137.0	0.5	0.0025	5	0.25	54	69	B734285
137.0	138.0	1	0.0025	8	0.25	57	79	B734286
138.0	139.0	1	0.0025	7	0.25	24	79	B734287
139.0	140.0	1	0.0025	6	0.25	57	83	B734288
140.0	141.0	1	0.0025	2.5	0.25	65	90	B734290
141.0	142.0	1	0.0025	5	0.25	73	89	B734291
142.0	143.0	1	0.0025	2.5	0.25	67	94	B734292
143.0	144.0	1	0.0025	5	0.25	78	90	B734294
144.0	144.9	0.9	0.0025	2.5	0.25	64	91	B734295
144.9	146.0	1.1	0.0025	5	0.25	68	94	B734296
146.0	147.0	1	0.0025	2.5	0.25	71	82	B734297
147.0	148.0	1	0.0025	5	0.25	70	94	B734298
148.0	149.0	1	0.0025	2.5	0.25	66	91	B734299
149.0	150.0	1	0.0025	2.5	0.25	65	91	B734300
150.0	151.0	1	0.0025	2.5	0.25	83	92	B734301
151.0	152.0	1	0.0025	2.5	0.25	77	96	B734302
152.0	153.0	1	0.0025	2.5	0.25	58	91	B734303
153.0	154.0	1	0.01	2.5	0.25	57	81	B734304
154.0	155.0	1	0.01	2.5	0.25	65	73	B734305
155.0	156.0	1	0.0025	2.5	0.25	92	70	B734306
156.0	157.0	1	0.005	2.5	0.25	70	90	B734308
157.0	158.0	1	0.005	2.5	0.25	68	90	B734309
158.0	159.0	1	0.0025	2.5	0.25	44	91	B734310
159.0	160.0	1	0.0025	2.5	0.25	61	90	B734311
160.0	161.0	1	0.01	2.5	0.25	93	97	B734312
161.0	162.0	1	0.0025	2.5	0.25	10	90	B734313
162.0	162.57	0.57	0.007	2.5	0.25	61	90	B734314
162.57	163.2	0.63	0.007	2.5	0.25	48	88	B734315
163.2	164.0	0.8	0.012	2.5	0.25	64	98	B734316
164.0	165.0	1	0.013	2.5	0.25	53	95	B734317

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						165.0	166.0	1	0.008	2.5	0.25	61	95	B734318
						166.0	166.5	0.5	0.01	2.5	0.25	86	93	B734319
						166.5	167.0	0.5	0.013	2.5	0.25	84	94	B734321
						167.0	168.0	1	0.006	2.5	0.25	62	95	B734322
						180.5	181.0	0.5	0.0025	2.5	0.25	70	98	B734323
						181.0	182.0	1	0.0025	2.5	0.25	81	98	B734324
						182.0	183.0	1	0.0025	2.5	0.25	89	110	B734325
						183.0	183.6	0.6	0.0025	2.5	0.25	65	112	B734326
183.59	**186.7**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	LIGHT GREY	183.0	183.6	0.6	0.0025	2.5	0.25	65	112	B734326
QFP: Light grey, medium grain porphyritic plag crystals in an aphanitic matrix. 1% disseminated cubic pyrite, 1% blebby pyrite. Preferentially aligned biotite grains define weak foliation. Moderate pervasive carb alteration, moderate pervasive potassic alteration, moderate pervasive silica alteration. Alteration intensity increases slightly downhole. Low abundance of 2cm qtz-carb-tourm-py veins.						183.6	184.2	0.6	0.0025	2.5	0.25	11	48	B734327
						184.2	185.0	0.8	0.0025	2.5	0.25	25	44	B734328
						185.0	186.0	1	0.0025	2.5	0.25	14	46	B734329
183.59: Sharp undulating contact with upper IVCL unit. 184.73: Irregular 2cm wide qtz-carb-chl-ep-tourm vein 184.46: 2cm qtz-carb-tourm-py vein 186.70: Sharp undulating contact with upper QFP unit and lower IV unit						186.0	186.9	0.9	0.008	2.5	0.25	14	47	B734330
186.7	**189.18**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREEN-GREY	186.0	186.9	0.9	0.008	2.5	0.25	14	47	B734330
IV: Green-grey massive fine grain with 2% disseminated cubic pyrite. Moderate pervasive carb alteration and moderate pervasive epidote alteration. Weak pervasive silica alteration. Low abundance of 1-2mm carb fractures, moderately deformed. Similar to previous IV unit. Sharp undulating lower contact at 189.18 m with QFP.						186.9	188.0	1.1	0.0025	2.5	0.25	77	106	B734331
						188.0	188.5	0.5	0.0025	2.5	0.25	76	101	B734332
						188.5	189.2	0.7	0.0025	2.5	0.25	72	108	B734334
189.18	**190.58**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	LIGHT GREY	188.5	189.2	0.7	0.0025	2.5	0.25	72	108	B734334
QFP: Light grey, medium grain porphyritic plag crystals in an aphanitic matrix. 2% disseminated cubic pyrite. Preferentially aligned biotite grains define weak foliation. Moderate pervasive carb and moderate pervasive silica alteration. Similar to previous QFP unit but lacking potassic alteration.						189.2	190.0	0.8	0.049	2.5	0.25	21	34	B734335
						190.0	190.61	0.61	0.104	2.5	0.25	23	20	B734336
189.80: 2cm qtz-carb-py vein 190.58: 4cm qtz-carb-chl-py vein at lower contact of QFP and upper contact of IV														

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
190.58	**216.7**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREEN-GREY	190.0	190.61	0.61	0.104	2.5	0.25	23	20	B734336
IV: Grey-green grading into grey, massive, fine grain unit with 1-2% disseminated cubic pyrite grains 1-3mm average size. Moderate pervasive epidote alteration, moderate pervasive carb alteration, and moderate to strong pervasive silica alteration. Weak hematite alteration. Silica and carb alteration increase in intensity downhole. Moderate abundance of 2-8mm wide moderately deformed carb-epidote fractures, all with similar orientation. Few sporadic 0.5-1cm wide qtz-carb-chl+/-epidote+/-py veins. Epidote alteration decreases downhole toward 211 m, where it disappears. Unit grades to very fine grain size downhole.						190.61	191.3	0.69	0.006	2.5	0.25	85	108	B734337
						191.3	192.0	0.7	0.007	2.5	0.25	77	94	B734338
						192.0	193.0	1	0.0025	2.5	0.25	83	98	B734339
						213.0	214.0	1	0.11	2.5	0.25	59	126	B734340
209.74: 1cm qtz-carb-ep vein 214.12: 0.5cm qtz-carb-chl vein 214.53: 1cm qtz-carb-chl vein 215.91: 1cm qtz-carb-chl-py-tourm vein 216: 1.5cm qtz-carb-chl-py-tourm vein 216.70: Undulating sharp lower contact with underlying QFP.						214.0	215.0	1	0.011	2.5	0.25	62	163	B734341
						215.0	215.6	0.6	0.01	2.5	0.25	65	114	B734342
						215.6	216.2	0.6	0.022	2.5	0.25	64	105	B734343
						216.2	216.7	0.5	0.031	2.5	0.25	71	109	B734344
216.7	**219.27**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	LIGHT GREY	216.7	217.3	0.6	0.055	2.5	0.25	15	27	B734345
QFP: Light grey-pink, medium grain plag phenocrysts in aphanitic matrix. 1% disseminated cubic pyrite grains 1-3mm wide. Weak deformation defined by aligned biotite grains. Sharp undulating upper and lower contact with over- and underlying IV unit. Weak pervasive carb alteration, moderate silica alteration, patchy weak potassic alteration. Similar to previous QFP units. No notable structures besides contacts.						217.3	218.0	0.7	0.112	2.5	0.25	15	40	B734347
						218.0	218.6	0.6	0.072	2.5	0.25	17	39	B734348
219.27: 3cm IV inclusion occurring at lower sharp QFP contact and qtz-carb-chl-py-tourm vein. 4-5% disseminated pyrite.						218.6	219.27	0.67	0.095	2.5	0.25	12	36	B734349

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
219.27	**255.86**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY	219.27	220.0	0.73	0.156	2.5	0.25	43	136	B734350
IV: Grey, massive, fine grain grading to medium grain. 1-2% disseminated cubic pyrite. Low abundance of 1mm carb-epidote fractures that increases in abundance downhole. Strong pervasive epidote alteration that continues until after second QFP inclusion at 233.45 m, strong carb alteration, and moderate silica alteration. Sharp contacts at two QFP inclusions (21cm and 39cm long). Following the second QFP inclusion at 233.45, unit displays a fine grain size, moderate carb alteration, weak silica alteration, and no epidote alteration. Mineralization remains the same throughout the IV unit; pyrite grain size increases in QFP inclusions. Brittle deformation zone at 245.98, ductile deformation zone at 247.60, brittle deformation zone at 249.21. Following the second brittle deformation zone, there is an increase in 1-4mm carb fractures, similar orientation, moderate abundance. Multiple 1-2cm qtz-carb-ch+/-py+/-tourm.						220.0	221.0	1	0.008	2.5	0.25	80	139	B734351
						232.0	233.0	1	0.0025	2.5	0.25	69	109	B734352
						233.0	233.7	0.7	0.0025	2.5	0.25	43	64	B734353
						233.7	234.5	0.8	0.0025	2.5	0.25	73	101	B734354
						245.0	245.98	0.98	0.0025	2.5	0.25	51	174	B734355
219.37: 3cm IV inclusion between lower QFP contact and 4cm qtz-carb-chl-py-tour vein with 4-5% disseminated pyrite.						245.98	247.0	1.02	0.0025	2.5	0.25	29	167	B734356
219.30: 4cm qtz-carb-chl-py-tourm vein at contact between QFP and lower IV unit.						247.0	247.6	0.6	0.0025	2.5	0.25	36	237	B734357
219.45: 1cm qtz-carb vein						247.6	248.2	0.6	0.0025	2.5	0.25	59	285	B734358
219.67: 2cm qtz-carb-py-chl-orthoclase						248.2	249.0	0.8	0.0025	2.5	0.25	50	218	B734360
221.64: 1cm carb-qtz-chl-ep vein						249.0	250.0	1	0.005	2.5	0.25	63	130	B734361
228.64: 2.5cm carb-qtz-ep with py proximal to vein						250.0	251.0	1	0.0025	5	0.6	70	102	B734362
230.78: Sharp upper contact of first QFP inclusion 21cm wide (lacks ortho alteration)						251.0	252.0	1	0.005	2.5	0.25	66	120	B734363
231: Sharp lower contact of first QFP inclusion 21cm wide						252.0	253.0	1	0.011	2.5	0.25	42	143	B734364
233.07: Sharp upper contact of second QFP inclusion 38cm wide						253.0	254.0	1	0.005	2.5	0.25	42	187	B734365
233.45: Lower sharp contact of second QFP inclusion 38cm wide						254.0	255.0	1	0.021	2.5	0.25	39	197	B734366
233.59: 2cm carb-qtz-chl-py vein						255.0	255.86	0.86	0.0025	2.5	0.25	36	276	B734367
236.80: 1cm carb-qtz-chl-py vein														
238.35": 1cm carb-qtz-chl-py vein														
245.98: Brittle deformation														
247.60: Ductile deformation														
249.21: Brittle deformation														
252.44: 1cm qtz-carb-py-tourm vein														
255.86: Lower sharp contact of IV and upper contact of IVCL														
255.86	**259.76**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	DARK GREY	255.86	256.5	0.64	0.0025	2.5	0.25	10	198	B734368
IVCL: Dark grey, polymictic, aphanitic matrix. Clast size varies 0.2-8cm; crb-rich and silica-rich clasts. Clasts appear sub-rounded and sub-angular, elongated by weak deformation. 2% blebby pyrite throughout. Weak pervasive silica+carb alteration.						256.5	257.0	0.5	0.005	2.5	0.25	17	196	B734369
						257.0	258.0	1	0.011	2.5	0.25	20	270	B734370
255.86: Upper contact of IVCL						258.0	259.0	1	0.044	2.5	0.25	20	311	B734371
257.36: 1cm qtz-carb-chl-py-tourm vein														
259.76: Gradational contact between IVCL unit and lower IV unit.						259.0	259.76	0.76	0.013	2.5	0.25	14	313	B734372

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
259.76	**268.23**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	DARK GREY	259.76	260.3	0.54	0.005	2.5	0.25	12	186	B734374
IV: Dark grey transitioning to grey, fine grain, massive unit. 3% disseminated cubic pyrite. Multiple 0.5-2cm wide qtz-carb-chl+/-py+/-tourm veins with similar orientation. Moderate abundance of 1-5mm carb fractures, all with similar orientation. Subtle foliation, potentially weak sericite alteration. Moderate carb alteration, weak silica alteration. Gradational contact with lower QFP unit at 268.23 m. 265.53: 1.5cm qtz-carb-py-tourm vein. 268.23: Gradational contact with underlying QFP unit.						260.3	261.0	0.7	0.013	2.5	0.25	11	233	B734375
						261.0	261.9	0.9	0.022	2.5	0.25	13	253	B734376
						261.9	262.6	0.7	0.256	2.5	0.5	20	247	B734377
						262.6	263.3	0.7	0.006	2.5	0.25	16	190	B734378
						263.3	264.05	0.75	0.01	2.5	0.25	13	189	B734379
						264.05	265.0	0.95	0.036	2.5	0.25	13	308	B734380
						265.0	266.0	1	0.08	2.5	0.9	17	250	B734381
						266.0	267.0	1	0.036	2.5	0.25	32	318	B734382
						267.0	267.6	0.6	0.014	2.5	0.25	24	428	B734384
						267.6	268.23	0.63	0.638	2.5	0.6	27	326	B734385
268.23	**270.36**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	GREY	268.23	269.0	0.77	0.009	5	0.25	6	34	B734387
QFP: Grey-pink, medium grain plag crystals in aphanitic matrix. 0.5% disseminated pyrite. Moderate silica alteration, weak carb alteration, and weak sericite alteration. Lower contact with IVCL unit in rubble. Sporadic 0.2-0.5cm qtz-carb-chl veins.						269.0	269.7	0.7	0.009	2.5	0.25	10	30	B734388
						269.7	270.55	0.85	0.0025	2.5	0.25	10	31	B734389
270.36	**282.84**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	POLYMICTIC	APHANITIC	GREY	269.7	270.55	0.85	0.0025	2.5	0.25	10	31	B734389
IVCL: Grey, polymictic, aphanitic matrix. Clast size varies 0.2-7cm. Moderately deformed elongated clasts define foliation. 1% disseminated pyrite, 0.5% pyrrhotite. Moderate silica alteration, moderate sericite alteration around clasts, moderate carb alteration of some clasts, strong carb alteration at deformation zone 282.30-282.84 m. Deformation zone hosts generation of 3-8mm qtz-carb-py-tour+/-ser veins with similar orientation and assemblage. Textures in veins indicates extensional fracturing in the deformation zone. Mineralization increases slightly toward deformation zone, transitioning to 3-4% disseminated pyrite and 3% fracture-fill pyrite. Sharp contact at 282.84 m with underlying IV unit. Mineralization decreases to 1-2% disseminated pyrite after the IV contact. 282.30-282.84: Carb-rich deformation zone with qtz-carb-py-tour+/-ser veins 282.84: Sharp contact with lower IV unit.						270.55	271.2	0.65	0.0025	2.5	0.25	17	117	B734390
						271.2	272.0	0.8	0.0025	2.5	0.25	18	92	B734391
						272.0	273.0	1	0.0025	2.5	0.25	6	119	B734392
						273.0	274.0	1	0.0025	2.5	0.25	36	250	B734393
						274.0	275.0	1	0.0025	2.5	0.25	29	182	B734394
						275.0	276.0	1	0.0025	2.5	0.25	8	105	B734395
						276.0	277.0	1	0.0025	2.5	0.25	27	147	B734396
						277.0	278.0	1	0.0025	2.5	0.25	18	161	B734397
						278.0	279.0	1	0.0025	2.5	0.25	32	278	B734398
						279.0	280.0	1	0.0025	2.5	0.5	37	363	B734399
						280.0	281.0	1	0.007	2.5	0.5	73	273	B734401
						281.0	281.6	0.6	0.012	2.5	0.25	50	168	B734402
						281.6	282.23	0.63	0.543	2.5	0.6	69	208	B734403
						282.23	282.84	0.61	2.72	6	0.7	7	54	B734404

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-011

From	To	Lithology	Texture	Grain Size	Colour
282.84	**327.04**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	DARK GREY

IV: Dark grey, fine grain, massive. 1% disseminated pyrite, 1% blebby, 2% wispy pyrite. Disseminated coarse grain pyrite increases toward lower contact. Moderate deformation of 1-2mm carb fractures with similar orientation. Pervasive strong to intense silica alteration, occurring with strong to intense sericite alteration (286.7-291m). Strong silica alteration continues throughout unit, occurring with weak fracture-fill epidote from 302.48-327.04 m. Mineralization increases at 311 m (1-2% disseminated pyrite, 2-3% wispy pyrite). Pyrite becomes coarser closer to lower contact (325-327.04m).

286.70-288.96: Vein set made up of regularly occurring (10) and evenly spaced, qtz-carb-chl-tourm-py assemblage, all with similar orientations, 1-3cm width. Vein orientation consistent with carb fractures seen throughout unit.
310-311.40: Carb-epidote fractures with 1cm qtz-carb-chl-ep veins, all with similar orientation.

306.21 - 306.51 : Quartz Vein, 30cm irregular qtz-carb-chl-py-tor-ser veined zone 3% bleb py, 70% vn material 30% strongly altered host rock

307.48 - 307.84 : Quartz Vein, 36cm irregular veined zone qtz-chl-carb-py, 20% vn 80% strongly altered host rock, 1% bleb py

308.94 - 309.28 : Quartz Vein, 34cm irregular veined zone qtz-epi-carb-chl-tor, 40% vein material 60% altered host rock

From	To	Length	Au	As	Ag	Cu	Zn	Sample
282.84	283.35	0.51	0.3	2.5	0.25	46	162	B734405
283.35	284.0	0.65	0.011	2.5	0.25	77	161	B734406
284.0	285.0	1	0.0025	2.5	0.25	12	77	B734407
285.0	286.0	1	0.0025	2.5	0.25	16	64	B734408
286.0	286.7	0.7	0.0025	2.5	0.25	15	52	B734409
286.7	287.7	1	0.0025	2.5	0.25	21	32	B734410
287.7	288.5	0.8	0.0025	2.5	0.25	35	38	B734411
288.5	289.0	0.5	0.011	2.5	0.25	26	36	B734412
289.0	290.0	1	0.0025	2.5	0.25	14	40	B734413
290.0	291.0	1	0.0025	2.5	0.25	33	35	B734415
291.0	292.0	1	0.005	2.5	0.25	30	38	B734416
292.0	293.0	1	0.005	2.5	0.25	22	163	B734417
293.0	294.0	1	0.0025	2.5	0.25	10	250	B734418
294.0	295.0	1	0.0025	2.5	0.25	15	109	B734419
295.0	296.0	1	0.0025	2.5	0.25	21	45	B734420
296.0	297.0	1	0.0025	2.5	0.25	24	38	B734421
297.0	298.0	1	0.005	2.5	0.25	29	42	B734422
298.0	299.0	1	0.0025	2.5	0.25	25	40	B734423
299.0	300.0	1	0.0025	2.5	0.25	34	56	B734424
300.0	301.0	1	0.0025	2.5	0.25	18	61	B734425
301.0	302.0	1	0.009	2.5	0.25	46	195	B734426
302.0	303.0	1	0.005	2.5	0.25	33	160	B734427
303.0	304.0	1	0.006	2.5	0.25	27	123	B734429
304.0	305.0	1	0.006	2.5	0.25	30	84	B734430
305.0	306.0	1	0.0025	2.5	0.25	19	89	B734431
306.0	306.6	0.6	0.0025	2.5	0.25	17	110	B734432
306.6	307.4	0.8	0.0025	2.5	0.25	17	73	B734433
307.4	308.0	0.6	0.0025	2.5	0.25	28	87	B734434
308.0	308.85	0.85	0.006	2.5	0.25	17	68	B734435
308.85	309.35	0.5	0.0025	2.5	0.25	43	136	B734436
309.35	310.0	0.65	0.0025	2.5	0.25	16	84	B734438

Project: Van Horne **Hole Number:** VH21-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						310.0	311.0	1	0.0025	2.5	0.25	15	61	B734439
						311.0	312.0	1	0.0025	2.5	0.25	16	75	B734440
						312.0	313.0	1	0.0025	2.5	0.25	19	69	B734441
						313.0	314.0	1	0.0025	2.5	0.25	14	84	B734442
						314.0	315.0	1	0.0025	2.5	0.25	17	95	B734443
						315.0	316.0	1	0.0025	2.5	0.25	9	63	B734444
						316.0	317.0	1	0.0025	2.5	0.25	6	64	B734446
						317.0	318.0	1	0.0025	2.5	0.25	7	101	B734447
						318.0	319.0	1	0.006	2.5	0.25	18	67	B734448
						319.0	320.0	1	0.0025	2.5	0.25	25	60	B734449
						320.0	321.0	1	0.0025	2.5	0.25	36	120	B734450
						321.0	322.0	1	0.005	10	0.25	25	177	B734452
						322.0	323.0	1	0.0025	2.5	0.25	26	109	B734453
						323.0	324.0	1	0.005	2.5	0.25	47	125	B734454
						324.0	325.0	1	0.0025	2.5	0.25	28	66	B734455
						325.0	326.0	1	0.0025	2.5	0.25	42	83	B734456
						326.0	327.04	1.04	0.0025	2.5	0.25	58	61	B734457
327.04	**338**	**GAB, GABBRO**	MASSIVE	MEDIUM	DARK GREY	327.04	328.0	0.96	0.006	2.5	0.25	49	122	B734458
Gabbro: Dark grey turning grey-green as grain size coarsens from fine to medium, massive. 3% disseminated pyrite grains decreasing in size and abundance (1%) downhole. Moderate epidote alteration. Intensely altered upper contact with IV unit. Low abundance of 0.5mm carb-ep-pyroxene/amph fractures. Vein set of five 0.5-1cm qtz-carb-chl-ep-tourm-py veins at 311-311.50 m.						328.0	329.0	1	0.0025	2.5	0.25	44	121	B734459

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-012

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-24-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Sep-25-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	8	**Drill Company:**	Major Drilling	**Easting:**	505,661
Orient:	ACT III	**EOH:**	149			**Northing:**	5,507,626
Hole Status:	COMPLETE	**Logged Depth:**	149			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**7.25**	**OB, OVERBURDEN**												
7.25	**11.49**	**IV, INTERMEDIATE VOLCANIC**	GLASSY	VERY FINE	LIGHT GREY									
Top of hole intermediate volcanic unit, glassy texture / weak deformation and light grey colour. 5% qtz-carb stringer veins, with no mineralization. 0.5 - 1% disseminated pyrite within host rock. Softer than IVCL unit, weak pervasive silca + weak . pervasive sericite alteration present, mod - strong pervasive carbonate alteration . Gradual lower contact between IVCL.														
11.49	**23**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	14.0	15.07	1.07	0.044	6	0.25	41	200	B734460
IVCL unit, stronger alteration + mineralization than previous IV unit. Clasts within unit range 1-3 cm, elongated along foliation qtz eyes present - rounded & smaller than clasts. Intermixing IV and IVCL units, IVCL is prominent (20% IV / 80% IVCL). Mineralization present within both units, 2-3% disseminated pyrite, qtz-carb-chlor veins present more commonly within IV units,. IVCL unit showing moderate pervasive silica + moderate patchy carbonate + weak - moderate fracture-fill chlorite alt.						15.07	16.0	0.93	0.142	25	0.25	24	108	B734461
						16.0	17.0	1	0.013	17	0.25	18	123	B734462
						17.0	18.0	1	0.013	15	0.25	23	302	B734463
						18.0	19.0	1	0.005	5	0.25	24	224	B734465
						19.0	19.57	0.57	0.006	2.5	0.25	22	195	B734466
						19.57	20.07	0.5	0.0025	2.5	0.25	36	318	B734467
						20.07	21.0	0.93	0.005	12	1.3	53	356	B734468
						21.0	22.0	1	0.0025	2.5	0.5	47	291	B734469
						22.0	23.0	1	1.14	9	0.6	54	310	B734470

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
23	**33.2**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	23.0	24.0	1	0.034	2.5	0.25	13	71	B734471
QFP unit, weak to moderate deformation + medium grained qtz-feldspar grains. Colour is light cream to pink colour as potassic alt increases. Unit shows minor vugs within host rock / within qtz-carb-tour veins. mm scale chlorite stringers make up 5% of unit,; mineralization within unit 1-2% disseminated pyrite, increasing within qtz-carb-tour veins 2-3% disseminated + 1% fracture-fill pyrite.						24.0	25.0	1	0.029	2.5	0.25	7	21	B734472
						25.0	26.0	1	0.083	2.5	0.25	7	21	B734473
Alteration wanes towards both sharp contacts between IV units. Overall moderate pervasive potassic + weak patchy carbonate + weak pervasive silica + moderate fracture-fill chlorite alteration.						26.0	27.0	1	0.092	2.5	0.25	6	22	B734474
						27.0	28.0	1	0.025	2.5	0.25	3	20	B734475
						28.0	29.0	1	0.053	2.5	0.25	9	23	B734476
						29.0	30.0	1	0.027	2.5	0.25	3	23	B734478
						30.0	31.0	1	0.018	2.5	0.25	5	22	B734479
						31.0	32.0	1	0.284	2.5	0.25	6	21	B734480
						32.0	33.2	1.2	0.005	2.5	0.25	9	40	B734481
33.2	**36.3**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	33.2	34.0	0.8	0.011	19	0.25	26	615	B734482
Similar IVCL unit as seen above, 1-3 cm sub-rounded - rounded clasts with qtz eyes present. Moderate pervasive silica + moderate patchy carbonate alteration. 2-3% disseminated pyrite + small mm scale qtz-carb veins with 1% fracture-fill pyrite. Sharp lower contact with IV unit.						34.0	35.0	1	0.013	36	0.25	17	482	B734483
						35.0	36.3	1.3	0.054	45	0.25	30	653	B734484
36.3	**45.2**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	36.3	37.0	0.7	0.01	7	0.25	60	352	B734485
IV unit, similar to previous IV unit. Very fine grained - light grey in colour. Unit shows moderate pervasive silica, moderate pervasive carbonate and weak fracture-fill chlorite. Unit shows many qtz-carb stringer veins with trace disseminated pyrite. Overall unit shows 1% disseminated pyrite.						37.0	38.0	1	0.012	7	0.25	71	268	B734486
						38.0	39.0	1	0.007	6	0.25	65	199	B734487
Unit has gradational lower contact with IVCL unit.						39.0	40.0	1	0.008	5	0.25	69	177	B734488
45.2	**53.31**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	45.2	46.0	0.8	0.035	77	0.25	26	872	B734489
IVCL unit, polymictic clasts range 1-4 cm, sub-rounded and elongated along foliation. qtz eyes are present. Unit shows moderate pervasive silica, moderate patchy carbonate + weak fracture-fill chlorite. Small patches of IV unit present, similar to previous IV. Overall unit shows 3-4% disseminated pyrite, 2% fracture-fill pyrite. Small amounts of qtz-carb veins present (5% of unit).						46.0	47.0	1	0.055	57	0.25	26	668	B734491
						47.0	48.0	1	0.044	47	0.25	19	485	B734492
Null mineralization within IV units intermixing with IVCL along with null qtz-carb stringers and lesser alteration.						48.0	48.97	0.97	0.036	50	0.25	18	376	B734493
						48.97	49.47	0.5	0.016	37	0.25	30	200	B734494
						49.47	50.0	0.53	0.011	2.5	0.25	75	150	B734495
						50.0	50.7	0.7	0.008	7	0.25	61	143	B734496
						50.7	51.2	0.5	0.015	19	0.25	30	82	B734497
						51.2	52.0	0.8	0.091	15	0.25	22	77	B734498
						52.0	52.6	0.6	0.0025	7	0.25	10	103	B734499
						52.6	53.31	0.71	0.006	28	0.25	19	91	B734500

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
53.31	**58.64**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	53.31	54.0	0.69	0.006	5	0.25	52	146	B734501
IV unit, weak deformation, light grey colour and weak pervasive silica + strong pervasive carbonate + weak fracture-fill chlorite; grain size is very-fine to aphanitic. Stringer qtz-carb-chlor mm scale veins present, showing 1-2% fracture-fill pyrite. Overall unit shows 1% disseminated pyrite. Small qtz eyes present, lessening further from IVCL contact. Mineralization generally localized around qtz-carb veins.						54.0	55.0	1	0.006	2.5	0.25	72	106	B734502
						55.0	56.0	1	0.005	2.5	0.25	59	94	B734503
Strong undulating lower contact between IV and QFP unit.						56.0	57.0	1	0.013	8	0.25	73	101	B734505
						57.0	58.0	1	0.324	2.5	0.25	91	104	B734506
						58.0	58.64	0.64	0.009	2.5	0.25	69	120	B734507
58.64	**62.87**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	58.64	59.9	1.26	0.0025	2.5	0.25	10	35	B734508
Granitic looking QFP unit, pale cream colour with porphyritic qtz-feldspar-biotite present, weak - mod pervasive potassic alt + weak fracture-fill carbonate + moderate fracture-fill chlorite + weak pervasive sericite alteration present. Unit has few carb-qtz stringer veins mm scale - 2 cm wide, with 1% fracture-fill pyrite within veins. Overall unit shows trace disseminated pyrite. mm scale chlorite veinlets present throughout unit, with 1-2% fracture-fill pyrite.						59.9	61.0	1.1	0.013	2.5	0.25	13	46	B734509
						61.0	62.0	1	0.0025	2.5	0.25	8	39	B734510
						62.0	62.87	0.87	0.067	2.5	2	8	44	B734511
Lower contact is sharp, showing a minor alteration halo + localized mineralization.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
62.87	**83.81**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	62.87	64.0	1.13	0.081	2.5	0.25	14	103	B734512
Highly altered IVCL unit, polymictic clasts, range from 1-5 cm, sub-rounded - sub-angular. No clearly defined foliation, qtz eyes present mm scale - 1 cm. Clasts are mostly felsic, with patchy carbonate alteration present along clast margins. Increased mineralization from previous units, qtz-carb veins are sparse, showing 1-2% fracture-fill pyrite while host the rock shows 3-5% disseminated pyrite + 2% blebby pyrite (increasing with proximity to lower contact) + 1-2% disseminated honey-brown sphalerite. Unit displays strong pervasive silica + weak fracture-fill carbonate + weak - moderate pervasive sericite (sericite increasing towards lower contact) + subtle patchy chlorite.						64.0	65.0	1	0.0025	2.5	0.25	10	147	B734513
						65.0	66.0	1	0.011	16	0.25	15	132	B734514
						66.0	67.0	1	0.096	33	0.25	19	150	B734516
						67.0	68.0	1	0.009	5	0.25	19	197	B734517
						68.0	69.0	1	0.006	2.5	0.25	14	172	B734518
						69.0	70.0	1	0.05	15	0.25	16	163	B734519
						70.0	71.0	1	0.01	12	0.25	19	173	B734520
						71.0	72.0	1	0.016	14	0.25	16	183	B734521
						72.0	73.0	1	0.01	6	0.25	17	194	B734522
						73.0	74.0	1	0.04	12	0.25	17	190	B734523
						74.0	75.0	1	0.04	11	0.25	18	165	B734524
						75.0	76.0	1	0.008	5	0.25	11	199	B734525
						76.0	77.0	1	0.014	12	0.25	14	196	B734526
						77.0	78.0	1	0.029	26	0.25	16	186	B734528
						78.0	79.0	1	0.056	13	0.25	19	291	B734529
						79.0	79.5	0.5	0.012	2.5	0.25	21	886	B734530
						79.5	80.0	0.5	0.108	57	0.25	23	851	B734531
						80.0	80.5	0.5	0.026	24	0.25	21	119	B734532
						80.5	81.0	0.5	0.011	12	0.25	29	94	B734533
						81.0	82.0	1	0.0025	2.5	0.25	23	111	B734534
						82.0	83.0	1	0.008	2.5	0.25	43	170	B734535
						83.0	83.81	0.81	0.01	2.5	0.25	38	162	B734536

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-012

From	To	Lithology	Texture	Grain Size	Colour
83.81	**135.07**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY

IV unit, weak - moderate deformation / varying colour, very fine grained / foliated - massive texture. Mineralization & alteration varies with proximity to veins. Unit is prominently strongly altered with 20-25% of unit consisting of qtz-carb-chlor veins with intermixing sections of unaltered - lesser altered IV.

83.81 - 88.24 - moderate - strong pervasive silica + moderate pervasive carbonate + weak fracture-fill chlorite. Unit shows 30% qtz-carb-chlor veining with 2-5% blebby pyrite + 2-3% disseminated pyrite + trace disseminated chalcopyrite + 1-2% fracture-fill honey brown sphalerite within vein margins and host rock. Two distinct generation of veining present with crosscutting relations. Both generations show mineralization.

88.24 - 101.63 - Moderate pervasive silica + weak fracture-fill carbonate (less altered section). Few qtz-carb stringer veins with larger qtz-carb-chlor veins present. Host rock shows 1-2% disseminated pyrite while veins show 1-2% fracture-fill pyrite + 1% disseminated pyrite.

101.63 - 109.81 - Moderate - strong pervasive silica + weak - moderate pervasive potassic (appears to leach from qtz-veins) + weak - moderate fracture-fill chlorite + subtle - weak patchy carbonate. Host unit shows 1-2% disseminated pyrite + 1% blebby pyrite, mineralization (and alteration) surrounding veins increases to 2-4% blebby pyrite + 1-2% disseminated pyrite + 1-2% fracture-fill honey brown sphalerite. Host rock surrounding veins shows strong pervasive silica + moderate pervasive potassic + weak - moderate pervasive sericite.

109.81 - 121.97 moderate pervasive silica + moderate pervasive carbonate + weak patchy potassic alteration (leaching from veins). Few qtz-carb-pot veins and few (5% unit) qtz-carb stringer veins. Overall unit shows 1-2% disseminated pyrite with mineralization increasing around veins to 2-3% blebby pyrite + trace fracture-fill sphalerite.

121.97 - 135.07 Highly altered / deformed section. Section shows a strong foliation, strong pervasive silica + moderate pervasive sericite + strong fracture-fill carbonate + moderate patchy chlorite. Small patches of the section show a sutured qtz-carb texture along with weak pervasive potassic alteration (128 - 128.5 m). Mineralization throughout whole unit is consistently 1-2% disseminated pyrite. Unit shows (5% of unit) carb-qtz stringers and 1-2% fracture-fill pyrite within stringer margins. Section is significantly harder than previous sections due to the silica alteration. 128.6 - 129.88 unaltered section within this section. Small rubble zone from 129.88 - 130.1 m

From	To	Length	Au	As	Ag	Cu	Zn	Sample
83.81	85.0	1.19	0.032	5	0.25	52	161	B734537
85.0	86.0	1	0.029	5	0.25	43	131	B734538
86.0	87.0	1	0.008	5	0.25	44	164	B734539
87.0	88.24	1.24	0.01	2.5	0.25	51	185	B734540
88.24	89.0	0.76	0.0025	2.5	0.25	15	157	B734542
89.0	90.0	1	0.0025	2.5	0.25	12	65	B734543
90.0	91.0	1	0.0025	2.5	0.25	16	66	B734544
91.0	92.0	1	0.0025	2.5	0.25	15	63	B734545
92.0	93.0	1	0.006	2.5	0.25	15	56	B734546
93.0	94.0	1	0.03	2.5	0.25	13	54	B734547
94.0	95.0	1	0.107	2.5	0.25	11	73	B734548
95.0	96.0	1	0.006	2.5	0.25	13	53	B734549
96.0	97.0	1	0.0025	2.5	0.25	11	50	B734550
97.0	98.0	1	0.006	2.5	0.25	10	66	B734551
98.0	99.0	1	0.207	2.5	0.25	10	64	B734552
99.0	100.0	1	0.006	2.5	0.25	13	67	B734553
100.0	101.0	1	0.022	7	0.25	11	59	B734555
101.0	102.0	1	0.0025	2.5	0.25	11	60	B734556
102.0	103.0	1	0.045	2.5	0.25	7	58	B734557
103.0	104.0	1	0.008	2.5	0.25	10	56	B734558
104.0	105.0	1	0.005	2.5	0.25	8	60	B734559
105.0	106.0	1	0.113	2.5	0.25	20	86	B734560
106.0	107.0	1	0.023	2.5	0.25	9	58	B734561
107.0	108.0	1	0.184	2.5	0.25	19	81	B734562
108.0	109.0	1	0.023	2.5	0.25	9	56	B734563
109.0	110.0	1	0.435	2.5	0.7	28	58	B734564
110.0	111.0	1	0.006	2.5	0.25	12	67	B734565
111.0	112.0	1	0.039	2.5	0.25	11	65	B734566
112.0	113.0	1	0.005	2.5	0.25	12	69	B734568
113.0	114.0	1	0.005	2.5	0.6	12	204	B734569
114.0	115.0	1	0.054	2.5	0.6	11	88	B734570

Project: Van Horne **Hole Number:** VH21-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						115.0	116.0	1	0.021	2.5	0.5	7	61	B734571
						116.0	117.0	1	0.047	2.5	0.25	10	55	B734572
						117.0	118.0	1	0.007	2.5	0.25	9	66	B734573
						118.0	119.0	1	0.009	2.5	0.25	12	227	B734574
						119.0	120.0	1	0.006	2.5	0.7	14	129	B734575
						120.0	121.0	1	0.007	2.5	0.25	10	86	B734576
						121.0	122.0	1	0.006	2.5	0.25	11	77	B734577
						122.0	123.0	1	0.0025	2.5	0.25	8	67	B734578
						123.0	124.0	1	0.224	2.5	0.25	15	63	B734579
						124.0	125.0	1	0.008	2.5	0.25	11	66	B734581
						125.0	126.0	1	0.099	2.5	0.25	18	69	B734582
						126.0	127.0	1	0.005	2.5	0.25	17	59	B734583
						127.0	128.0	1	0.011	2.5	0.25	50	106	B734584
						128.0	128.6	0.6	0.076	2.5	1.1	416	183	B734585
						128.6	129.88	1.28	0.0025	2.5	0.25	9	104	B734586
						129.88	131.0	1.12	0.0025	2.5	0.25	14	122	B734587
						131.0	132.0	1	0.0025	2.5	0.25	3	58	B734588
						132.0	133.0	1	0.0025	2.5	0.25	14	66	B734589
						133.0	134.0	1	0.0025	2.5	0.25	14	82	B734591
						134.0	135.07	1.07	0.0025	2.5	0.5	10	75	B734592
135.07	**149**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	135.07	136.0	0.93	0.005	2.5	0.25	61	135	B734594
EOH unit, relatively unaltered IV unit, weak pervasive silica + weak fracture-fill carbonate + subtle fracture-fill chlorite. Unit shows 5% carb-qtz stringer veins with null sulphides. Overall unit shows trace - 1% disseminated pyrite.						136.0	137.0	1	0.007	2.5	0.25	76	116	B734595

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-25-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Sep-26-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	12	**Drill Company:**	Major Drilling	**Easting:**	505,707
Orient:	ACT III	**EOH:**	188			**Northing:**	5,507,607
Hole Status:	COMPLETE	**Logged Depth:**	188			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**12.57**	**OB, OVERBURDEN**												
12.57	**28.69**	**IV, INTERMEDIATE VOLCANIC**	VARITEXTURED	VERY FINE	GREY	12.57	13.17	0.6	0.015	6	0.25	27	339	B734596
						13.17	14.0	0.83	0.02	13	0.25	91	305	B734597
						14.0	15.0	1	0.016	2.5	0.25	40	253	B734598
						15.0	16.0	1	0.0025	2.5	0.25	36	91	B734599
						16.0	17.0	1	0.0025	2.5	0.25	12	123	B734600
						17.0	18.0	1	0.0025	2.5	0.25	12	111	B734601
						18.0	19.0	1	0.0025	2.5	0.25	11	96	B734602
						19.0	20.0	1	0.011	13	0.25	17	88	B734603
						20.0	21.0	1	0.0025	2.5	0.25	27	132	B734604
						21.0	22.0	1	0.0025	2.5	0.25	86	113	B734605
						22.0	23.0	1	0.005	2.5	0.25	107	100	B734606
						23.0	24.0	1	0.026	2.5	0.25	122	95	B734608
						24.0	25.0	1	0.0025	2.5	0.25	50	112	B734609
						25.0	26.0	1	0.011	2.5	0.25	79	104	B734610
						26.0	27.0	1	0.0025	2.5	0.25	59	98	B734611
						27.0	28.0	1	0.0025	2.5	0.25	79	112	B734612
						28.0	28.69	0.69	0.005	2.5	0.25	70	148	B734613

IV unit, extremely altered / deformed unit, multiple texture: foliated - massive - blocky. Red-brown to grey in colour; mineralization consistently low between null to 1% disseminated pyrite. Two possible fault zones, large amounts of rubble / fault gouge present between both.

12.27 - 16.72 m foliated IV unit, strong pervasive hematite + strong pervasive silica + moderate fracture-fill carb + moderate pervasive sericite. 1-2% disseminated pyrite, foliation along alteration present. Fault gouge just before fault present,

16.72 - 19.09 FAULT zone - large amount of deformation / alteration, and rubble. Strong pervasive hematite / weak pervasive silica / weak pervasive carbonate / moderate pervasive sericite. Null sulphides, rock is either rubble or clay with few competent pieces. Mostly red from hematite staining, small patches of grey host rock are present.

19.09 - 23.35 competent IV unit, strong pervasive silica + moderate fracture-fill carbonate + moderate pervasive sericite. Null sulphides.

23.35 - 24.56 FAULT / Rubble zone - intense deformation / strong alteration / 1-2% disseminated pyrite within rubble. Strong silica + moderate fracture-fill carbonate + weak pervasive hematite + moderate pervasive sericite. 90% rubble / 10% competent rock.

24.56 - 28.69 m moderately deformed / altered unit, mostly massive IV unit with small crack-seal / extensional carb veins present. Strong pervasive silica + strong fracture-fill carbonate + weak pervasive sericite alteration. Trace - 1% disseminated pyrite within host rock, carb veins show no mineralization. Gradational contact between lower IVCL and IV.

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
28.69	**31.29**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	RED-BROWN	28.69	29.19	0.5	0.0025	2.5	0.25	49	57	B734614
Possible IVCL unit, intensely altered / foliated unit. Intense pervasive hematite + strong pervasive silica + moderate fracture-fill carbonate. Clasts appear to be altered more by hematite / elongated along a foliation; sub-rounded and 1-2 cm in diameter. Host rock shows 1-3% disseminated pyrite. Low amounts of carb stringer or larger veins, most mineralization is found within host rock.						29.19	30.0	0.81	0.006	2.5	0.25	24	56	B734615
						30.0	30.5	0.5	0.005	2.5	0.25	49	53	B734616
						30.5	31.29	0.79	0.008	2.5	0.25	45	41	B734617
Gradational upper contact with sharp lower contact between IVCL and IV.														
31.29	**37.93**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	31.29	32.15	0.86	0.006	2.5	0.25	34	111	B734618
IV unit, weak - moderate deformation, moderate alteration with 1% disseminated pyrite within host rock. mm scale weak patchy carb + moderate pervasive silica + weak pervasive sericite alteration present. No foliation, massive with small qtz-carb stringer veins present - no mineralization within stringers. Small rubble zone between 36.12 - 37 m, with a nearly horizontal qtz-carb-hem vein. Small amount of fault gouge within 36.12 - 37 m rubble zone.						32.15	33.0	0.85	0.0025	2.5	0.25	15	101	B734619
						33.0	34.0	1	0.005	2.5	0.25	75	97	B734621
						34.0	35.0	1	0.008	2.5	0.25	46	102	B734622
Sharp upper and lower contact between IV and IVCL unit.						35.0	36.0	1	0.007	2.5	0.25	37	93	B734623
						36.0	37.0	1	0.03	2.5	0.25	127	92	B734624
						37.0	37.93	0.93	0.012	2.5	0.25	24	159	B734625
37.93	**48.38**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	RED-BROWN	37.93	39.0	1.07	0.005	2.5	0.25	25	54	B734626
Intensely altered / deformed / well foliated IVCL unit, similar to 28.69 - 31.29 m. Strong - Intense pervasive hematite + strong pervasive silica + weak fracture-fill carbonate + moderate pervasive sericite alteration. Large amount of rubble / fault zone from 41.81 - 45.96 m, large amount of fault gouge 70% of rock is competent / 30% of rock is blocky rubble. 2-4% disseminated pyrite within host rock, with small localized areas within center of rubble zone showing 4-5 % fracture-fill pyrite along foliation. Clasts show mainly hematite alteration, strongly elongated along foliation and are 1-2 cm wide / 3-5 cm along foliation. Clasts appear to be very stressed / elongated within rubble zone - stress and elongation wanes towards lower contact with IV unit. Few carb stringer veins / large qtz-carb veins present.						39.0	40.0	1	0.0025	2.5	0.25	24	113	B734627
						40.0	41.0	1	0.006	2.5	0.25	46	215	B734628
						41.0	42.0	1	0.007	2.5	0.25	28	204	B734629
						42.0	43.0	1	0.0025	2.5	0.25	25	48	B734630
Rubble of 10 cm vein between 47.3 - 47.40 m, strong amounts of sericite w/ null sulphides						43.0	44.0	1	0.007	2.5	0.25	24	49	B734631
Strong upper contact, gradational lower contact with IV unit, alteration and deformation drops dramatically past 48.38						44.0	45.0	1	0.0025	2.5	0.25	28	51	B734632
						45.0	46.0	1	0.007	2.5	0.25	32	76	B734633
						46.0	47.0	1	0.0025	2.5	0.25	29	60	B734635
						47.0	47.5	0.5	0.005	2.5	0.25	33	45	B734636
						47.5	48.38	0.88	0.011	2.5	0.25	50	110	B734637
48.38	**62.1**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	48.38	49.0	0.62	0.008	2.5	0.25	42	198	B734638
Weak - moderate deformed / weak altered IV unit, small rubble zones / small fractures w/ fault gouge present, 95% competent rock 5% rubble. Weak patchy hematite / weak patchy carb mm scale blebs + weak - moderate pervasive silica alteration. Overall unit has no large veins, with sparse carb stringer veins / no mineralization within veins. trace disseminated pyrite throughout whole section. .						49.0	50.0	1	0.014	2.5	0.25	64	155	B734639
Semi gradational lower contact between IV and IVCL unit.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
62.1	**68.45**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	65.0	66.0	1	0.0025	2.5	0.25	28	62	B734640
Strongly altered IVCL unit with small IV sections intermixed, Clasts are 1-2 cm, sub-rounded along a weak foliation - groundmass is fine grained; clasts are mostly carb + silica altered. Mineralization picks up past 66.5 m towards QFP contact. Small vugs present within host rock. Small qtz-carb veins are present, showing trace fracture-fill pyrite - Larger qtz-carb-chlor-py veins present at contact between QFP and IVCL.						66.0	67.13	1.13	0.007	2.5	0.25	45	58	B734641
						67.13	67.95	0.82	0.012	2.5	0.25	68	109	B734642
						67.95	68.45	0.5	0.295	6	0.25	18	54	B734643
IVCL unit shows moderate pervasive silica + moderate patchy carbonate + moderate pervasive sericite alt - sericite alteration increasing towards QFP contact. Small IV units show weak pervasive sericite + weak pervasive silica alteration.														
Mineralization before 66.5 m is trace disseminated pyrite, 66.5 - 68.2 m 1-2% disseminated pyrite - 68.2 - 68.45 3-5% disseminated pyrite + 1-2% frac filled pyrite.														
68.45	**71.76**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	68.45	69.0	0.55	0.078	2.5	0.25	12	16	B734644
QFP unit less deformed than previous QFPs / less alteration and more mineralization present. Small qtz-carb veins are present w/ 1-2% fracture-fill pyrite + 4-5% disseminated pyrite within host rock. Porphyritic qtz-feldspar grains present. Small chlorite stringers present, null sulphides. Weak - moderate potassic alt + weak patchy carbonate + weak fracture-fill chlorite alt. Mineralization increases towards both contacts - overall host rock shows 4-5% disseminated pyrite + 1-2% fracture-fill pyrite.						69.0	70.0	1	0.071	2.5	0.25	8	24	B734645
						70.0	71.0	1	0.055	2.5	0.25	5	19	B734646
						71.0	71.76	0.76	0.012	2.5	0.25	4	16	B734647
Upper contact is sharp / lower contact with IV unit is gradational.														
71.76	**76.95**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY	71.76	73.0	1.24	0.178	7	0.25	12	56	B734649
IV / IVCL unit, mixture 60% IV / 40% IVCL - strong alteration / weak - moderate deformation - fine grain size with 1-2 cm clasts showing a moderate foliation where foliation is present, mostly massive IV.						73.0	73.54	0.54	0.977	8	0.25	23	49	B734650
						73.54	74.5	0.96	0.01	2.5	1	67	90	B734651
IVCL unit shows moderate pervasive silica + moderate fracture-fill chlorite + weak pervasive sericite + weak patchy carbonate. 71.76 - 73.54 m. Mineralization within this section is 8-10% disseminated pyrite + 3-5% blebby pyrite + 1-2% fracture-fill pyrite. Unit has 1 qtz-carb-chlor-tour vein with 5% disseminated pyrite within host rock + 1% fracture-fill pyrite. Clasts mostly silica altered, 1-2 cm wide + 2-5 cm long.						74.5	75.0	0.5	0.013	2.5	0.6	72	101	B734652
						75.0	76.0	1	0.025	2.5	0.6	58	110	B734653
IV unit shows moderate pervasive silica + weak pervasive sericite + moderate pervasive carbonate alt. 3-4% disseminated pyrite with few qtz-carb stringers. Vein qtz-carb veins present showing trace disseminated pyrite (75.58 - 75.60 shows 15% blebby pyrite + 2% fracture-fill sphalerite).						76.0	76.95	0.95	0.017	2.5	0.25	52	98	B734654
Semi-gradational lower contact with QFP unit.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
76.95	**84.31**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	76.95	78.0	1.05	0.006	2.5	0.25	6	28	B734655
QFP similar to 76.95 - 84.31. Weak to moderate deformation, weak alteration, high mineralization within host rock. Porphyritic qtz-feld grains with fine grained biotite laths present. Weakly magnetic. Few chlor stringer present, several large qtz-carb-tour veins present. Weak - moderate pervasive potassic + weak patchy carbonate present. Mineralization within host rock 3-4% disseminated pyrite.						78.0	78.66	0.66	0.04	2.5	0.25	3	37	B734656
						78.66	79.2	0.54	0.685	5	1.4	5	25	B734657
78.74 - 79.18 qtz-carb-py-tour-chlor vein, 10 - 15% blebby pyrite + 5% fracture-fill pyrite within vein margins, 2% disseminated pyrite within host rock.						79.2	80.0	0.8	0.027	2.5	0.25	9	25	B734658
						80.0	81.0	1	0.0025	2.5	0.25	16	38	B734659
82.31 - 82.75 m qtz-carb-tour vein rubble - 1-2% disseminated pyrite within host rock.						81.0	82.0	1	0.008	2.5	0.25	9	33	B734660
Sharp lower contact between QFP and IV.						82.0	83.0	1	0.006	2.5	0.25	12	21	B734661
						83.0	83.5	0.5	0.005	2.5	0.25	4	29	B734663
						83.5	84.31	0.81	0.009	2.5	0.25	14	44	B734664

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour
84.31	**155.22**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY

IV unit massive texture (small areas of foliation) mostly weak deformation with varying alteration. Unit is very fine grained, mineralization varies - areas surrounding veins with high amount of alteration also show higher amounts of mineralization.

84.31 - 100.91 - weak pervasive silica + weak - mod pervasive carbonate + subtle fracture-fill chlorite. null - trace disseminated pyrite. Sections shows few qtz-carb veins with no mineralization, larger qtz-carb-chlor veins show no mineralization. Sharp change in mineralization + alteration at 100.91

100.91 - 123.70 m moderate patchy hematite + moderate pervasive silica + moderate patchy carbonate + moderate fracture-fill sericite. Unit shows 1-2% blebby pyrite 100.91 - 101.65 / 101.65 - 102 5% blebby pyrite / 102 - 111.29 trace disseminated pyrite / 111.29 - 111.5 2% blebby pyrite / 111.5 - 123.7 trace disseminated pyrite. Larger qtz-carb-chlor-hem veins present, fewer carb stringer veins present.

123.70 - 155.22 Similar to previous section with moderate pervasive silica + weak -moderate fracture-fill sericite + moderate pervasive carbonate alteration. Unit is mostly massive, no - weak deformation. Few qtz-carb stringer veins are present, with no mineralization + few qtz-chlor veins are present with 1-2% disseminated pyrite. Overall the unit shows 1% disseminated pyrite.

100.98 - 101 2 cm qtz-carb-hem vein, 5% blebby pyrite
105.66 - 105.70 qtz-carb-chlor-hem vein, 1% disseminated pyrite
106.02 - 106.1 qtz-carb-hem vein, 1% blebby pyrite
111.29 - 111.4 qtz-carb-hem vein set, (3 veins - 2 cm wide each) 2% blebby pyrite.
119.70 - 119.77 qtz-carb-hem-chlor vein

From	To	Length	Au	As	Ag	Cu	Zn	Sample
84.31	85.0	0.69	0.02	2.5	0.25	103	110	B734665
100.0	100.91	0.91	0.012	2.5	0.25	17	91	B734666
100.91	102.0	1.09	1.05	2.5	0.25	11	76	B734668
102.0	103.0	1	0.0025	2.5	0.25	16	80	B734669
103.0	104.0	1	0.0025	2.5	0.25	2	84	B734670
104.0	105.0	1	0.0025	2.5	0.25	3	82	B734672
105.0	106.1	1.1	0.0025	2.5	0.25	2	73	B734673
106.1	107.0	0.9	0.0025	2.5	0.25	2	87	B734674
107.0	108.0	1	0.0025	2.5	0.25	2	87	B734675
108.0	109.0	1	0.011	2.5	0.25	2	77	B734676
109.0	110.0	1	0.0025	2.5	0.25	3	78	B734677
110.0	111.0	1	0.053	2.5	0.25	4	78	B734678
111.0	112.0	1	0.119	11	0.25	9	137	B734679
112.0	113.0	1	0.0025	2.5	0.25	8	74	B734680
113.0	114.0	1	0.0025	2.5	0.25	10	82	B734681
114.0	115.0	1	0.0025	2.5	0.25	12	83	B734682
115.0	116.0	1	0.012	2.5	0.25	40	77	B734683
116.0	117.0	1	0.037	2.5	0.25	43	227	B734684
117.0	118.0	1	0.01	2.5	0.25	11	45	B734686
118.0	119.0	1	0.013	2.5	0.25	5	56	B734687
119.0	120.0	1	1.255	2.5	0.25	6	53	B734688
120.0	121.0	1	0.019	2.5	0.25	12	81	B734689
121.0	122.0	1	0.0025	2.5	0.25	7	59	B734690
122.0	123.0	1	0.005	2.5	0.25	4	60	B734691
123.0	124.0	1	0.0025	2.5	0.25	8	64	B734692
129.5	130.0	0.5	0.0025	2.5	0.25	5	51	B734693
130.0	131.0	1	0.0025	2.5	0.25	3	60	B734694
131.0	132.0	1	0.0025	2.5	0.25	3	59	B734695
132.0	133.0	1	0.0025	2.5	0.25	38	59	B734696
133.0	134.0	1	0.359	2.5	0.25	7	57	B734697
134.0	134.5	0.5	0.236	2.5	0.25	8	54	B734699

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						149.0	150.0	1	0.006	2.5	0.25	54	95	B734701
						150.0	151.0	1	0.007	2.5	0.25	68	121	B734702
						151.0	151.5	0.5	0.006	6	0.25	73	88	B734703
						151.5	152.22	0.72	0.008	6	0.25	68	142	B734704
						152.22	153.0	0.78	0.007	2.5	0.25	91	103	B734705
						153.0	154.0	1	0.0025	2.5	0.25	38	82	B734706
						154.0	155.0	1	0.906	2.5	0.25	31	131	B734707
						155.0	156.0	1	0.059	2.5	0.25	21	69	B734708
155.22	**158.66**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	LIGHT GREY	155.0	156.0	1	0.059	2.5	0.25	21	69	B734708
IVCL unit, weak deformation + moderate alteration - light grey colour, very fine grained matrix + 0.1 - 1 cm clasts, rounded & weakly foliated. Clasts are mainly altered with patchy silica + patchy carbonate. Overall unit shows moderate patchy silica + moderate patchy carbonate + weak fracture-fill carbonate. Unit shows 3-5% disseminated pyrite + 1-2% blebby pyrite. Few qtz-carb veins present, along with larger qtz-carb-chlor-tour veins - larger veins how 3-5% blebby pyrite within vein margins + within host rock.						156.0	157.0	1	0.006	2.5	0.25	21	71	B734709
						157.0	158.0	1	0.123	2.5	0.25	22	63	B734710
						158.0	158.66	0.66	0.006	2.5	0.25	26	61	B734712
Sharp upper and lower contacts between the IV units.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
158.66	**179.68**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	158.66	159.26	0.6	0.011	9	0.25	61	134	B734713
IV unit, weak deformation / massive texture + weak - moderate alteration. Unit shows moderate pervasive silica + weak fracture-fill carbonate + weak pervasive carbonate + weak fracture-fill chlorite. Overall unit shows 1-3% blebby pyrite, with mineralization increasing surrounding some qtz-carb-chlor veins. 5% of unit shows qtz-carb stringer veins with trace fracture-fill pyrite.						159.26	160.0	0.74	0.006	2.5	0.25	53	116	B734714
						160.0	161.0	1	0.005	2.5	0.25	73	94	B734715
						161.0	162.0	1	0.005	2.5	0.25	70	98	B734716
Sharp upper contact between IVCL and IV, gradational lower contact between IV and IVCL.						162.0	163.0	1	0.005	2.5	0.25	69	118	B734717
						163.0	164.0	1	0.0025	2.5	0.25	73	115	B734718
						164.0	165.0	1	0.0025	2.5	0.25	87	92	B734719
						165.0	166.0	1	0.0025	2.5	0.25	69	92	B734720
						166.0	167.0	1	0.005	2.5	0.25	66	84	B734721
						167.0	168.0	1	0.005	2.5	0.25	63	95	B734722
						168.0	169.0	1	0.009	2.5	0.25	37	131	B734723
						169.0	170.0	1	0.007	2.5	0.25	53	116	B734725
						170.0	171.0	1	0.011	2.5	0.25	76	108	B734726
						171.0	172.0	1	0.029	2.5	0.25	64	84	B734727
						172.0	173.0	1	0.008	2.5	0.25	58	102	B734728
						173.0	174.0	1	0.006	2.5	0.25	85	127	B734729
						174.0	175.0	1	0.006	2.5	0.25	66	112	B734730
						175.0	176.0	1	0.009	7	0.25	68	130	B734731
						176.0	177.0	1	0.006	2.5	0.25	67	132	B734732
						177.0	178.0	1	0.007	2.5	0.25	50	132	B734733
						178.0	179.0	1	0.009	2.5	0.25	59	158	B734734
						179.0	179.68	0.68	0.022	2.5	1.7	69	157	B734735
179.68	**188**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	179.68	180.66	0.98	0.005	2.5	0.25	29	82	B734736
EOH small IVCL unit, no - weak deformation + weak - moderate deformation - grey colour - fine grain size. Clasts are patchy silica + weak patchy carbonate. Unit shows moderate fracture-fill sericite + moderate pervasive silica + weak patchy carbonate. Unit is mineralized but hsa few qtz-carb stringer veins. 1-3% blebby pyrite + 2% disseminated pyrite within host rock.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Sep-28-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Sep-30-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	3	**Drill Company:**	Major Drilling	**Easting:**	505,584
Orient:	ACT III	**EOH:**	224			**Northing:**	5,507,838
Hole Status:	COMPLETE	**Logged Depth:**	224			**Elevation:**	393

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**1.43**	**OB, OVERBURDEN**												
1.43	**6.04**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	1.43	2.0	0.57	0.0025	2.5	0.25	47	75	B734737
						2.0	3.0	1	0.0025	2.5	0.25	51	93	B734738
						3.0	3.5	0.5	0.022	2.5	1.3	432	124	B734739
						3.5	4.0	0.5	12.15	2.5	2.7	201	107	B734741
						4.0	4.5	0.5	0.107	2.5	0.25	54	87	B734742
						4.5	5.0	0.5	0.012	2.5	0.25	60	116	B734743
						5.0	5.5	0.5	0.078	2.5	0.25	27	85	B734744
						5.5	6.04	0.54	0.187	2.5	0.25	81	72	B734745
6.04	**13**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	6.04	7.0	0.96	0.281	2.5	0.25	5	23	B734747
						7.0	8.0	1	0.023	2.5	0.25	3	25	B734748
						8.0	9.0	1	0.012	2.5	0.25	7	20	B734750
						9.0	10.0	1	0.365	2.5	0.25	6	27	B734751
						10.0	11.0	1	0.129	2.5	0.25	3	21	B734752
						11.0	12.0	1	0.058	2.5	0.5	3	22	B734753
						12.0	13.0	1	0.023	2.5	0.25	3	20	B734754

IV unit, massive texture - moderate blebby silica qtz - carb - chlor veins along with several 3-5 cm qtz-carb-serc-py veins present. Two veins show 5% blebby pyrite + 2% disseminated pyrite + trace blebby visible gold. Both veins are within close proximity to the QFP / both veins displace carb / sericite / chlor within veins and large amounts of blebby pyrite throughout the vein and surrounding host rock. Large amount of qtz-carb-serc stringer veins present, 2% fracture-fill pyrite within stringer veins. - Unit is magnetic. Overall unit shows mod pervasive silica + mod pervasive sericite + weak pervasive carbonate.

Two VG veins:

3.82 - 3.86: trace blebby VG + 5% blebby pyrite
5.70 - 5.72: trace blebby VG + 5% blebby pyrite + 2% disseminated pyrite.

Sharp lower contact between IV and QFP with small alteration halo - moderate pervasive sericite + weak pervasive potassic + mod to strong pervasive silica within ~ 30 cm of contact.

QFP - fine - medium grained qtz grains, feldspar grains are finer grained, fine grained biotite laths present within 5% of unit. Unit is strongly altered; strong pervasive potassic + moderate pervasive sericite + weak patchy carbonate alteration, few chlorite stringers present. 1-2% disseminated pyrite within unit, veins show 2-3% large cubic blebby pyrite. Qtz-carb stringer veins present, along with larger cross-cutting qtz-carb-chlor-serc veins. - Unit is magnetic.

Upper contact has a small 30 cm serc-pot-sil-carb alteration halo, the lower contact has a smaller alteration halo.

Sharp upper contact between IV and QFP, semi-gradational lower contact between QFP and IVCL unit.

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
13	**29.37**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY	13.0	14.0	1	0.0025	2.5	0.25	19	100	B734755
IVCL unit, clasts are large, round, appear to be mostly altered to silica and elongated along a foliation. Unit shows moderate alteration / weak deformation / trace mineralization. Stringer qtz-carb veins present, some are discontinuous. most show null sulphides. Few larger qtz-carb-chlor veins are present with trace disseminated pyrite. 13 - 14 m show a small alteration halo from QFP contact, weak fracture fill chlorite + weak pervasive silica + weak pervasive sericite. Unit shows moderate pervasive silica + weak pervasive sericite + moderate patchy carbonate. Unit is weakly magnetic						14.0	15.0	1	0.0025	2.5	0.25	31	82	B734756
						22.0	23.0	1	0.0025	2.5	0.25	53	98	B734757
						23.0	24.0	1	0.005	2.5	0.25	81	99	B734758
						24.0	25.0	1	0.0025	2.5	0.25	49	95	B734759
Upper contact with QFP is gradational with small alteration halo, lower contact with IV unit is sharp.						25.0	26.0	1	0.0025	2.5	0.25	64	85	B734760
						26.0	27.0	1	0.0025	2.5	0.25	58	95	B734762
						27.0	28.0	1	0.0025	2.5	0.25	51	90	B734763
						28.0	28.5	0.5	0.0025	2.5	0.25	68	102	B734764
						28.5	29.37	0.87	0.0025	2.5	0.25	70	102	B734765
29.37	**32.95**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	29.37	30.0	0.63	0.006	11	0.25	61	98	B734766
Small IV unit, massive texture with weak deformation. Moderate patchy carb + moderate pervasive silica alt. 2-3% disseminated pyrite and several large qtz-carb-chlor veins with 2-3% fracture-fill pyrite. Several qtz-carb cross-cutting stringer veins present as well, showing null sulphides.						30.0	31.0	1	0.013	13	0.25	72	92	B734767
						31.0	32.0	1	0.0025	2.5	0.25	40	81	B734768
Sharp upper contact, semi-gradational lower contact.						32.0	32.95	0.95	0.007	6	0.25	50	83	B734769
29.94 - 30.45 : Quartz Vein, Qtz-carb-chlor 3 veins, 2-5 cm wide. 1-2% fracture-fill pyrite.														
32.95	**48.15**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY	32.95	34.0	1.05	0.009	10	0.25	55	98	B734770
Same as previous IVCL unit, clasts are rounded - elongated along foliation with stronger alteration than previous unit. Unit is mostly foliated with small areas of mostly vuggs throughout the whole core. Unit shows moderate - strong patchy carbonate + moderate pervasive silica + weak fracture-fill chlorite along clast margins. Unit shows 1-2% disseminated pyrite. Unit shows few qtz-carb stringers that are mostly discontinuous - no large veins present. Stringers cross-cut often.						34.0	35.0	1	0.0025	2.5	0.25	65	100	B734771
gradational lower contact between IVCL and IV., heavy increase of qtz-carb blebs close to the contact.														
48.15	**62.17**	**IV, INTERMEDIATE VOLCANIC**	AMYGDALOIDAL	VERY FINE	GREY	60.0	61.0	1	0.006	2.5	0.25	57	88	B734772
IV unit, amygdaloidal carb blebs present throughout unit - weak deformation - very fine grained, light grey - grey in colour. Texture massive with an amygdaloidal texture also present, Unit shows various amounts of qtz-carb blebs / discontinuous veins - none show mineralization or strong alteration, few qtz-carb-chlor veins are present / showing disseminated pyrite. Overall unit shows moderate - strong patchy carbonate + moderate pervasive silica. trace - 1% disseminated pyrite present within whole unit.						61.0	61.5	0.5	0.006	2.5	0.25	53	103	B734773
						61.5	62.17	0.67	0.02	2.5	0.25	67	80	B734774
Gradational upper contact with IVCL unit, sharp lower contact with QFP.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
62.17	**68.08**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	62.17	63.0	0.83	0.058	2.5	0.25	9	20	B734776
QFP - medium grained feldspar-quartz grains with fine grained matrix. Moderate pervasive potassic + moderate patchy carbonate + moderate fracture-fill chlorite - chlorite stringers are present throughout unit. Overall unit shows 1-2% disseminated pyrite + 1% blebby pyrite (within veins). Unit displays many qtz-carb-chlor veins, with 1% blebby pyrite / mm scale chlorite stringers present throughout unit. All veins within unit shows at least a small vuggy texture, with most appearing 40-50% vugs.						63.0	64.0	1	0.149	2.5	0.25	8	24	B734777
						64.0	65.0	1	0.12	2.5	0.25	5	26	B734778
						65.0	66.0	1	0.139	2.5	0.25	8	25	B734779
Small alteration halo + gradational contact with lower IV unit. Alteration halo from 68 - 68.08 shows moderate - strong pervasive sericite + weak - moderate potassic alteration + moderate pervasive silica alteration.						66.0	67.0	1	0.085	2.5	0.25	7	25	B734780
						67.0	68.08	1.08	0.04	2.5	0.25	8	24	B734781
68.08	**69.02**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	GREY	68.08	69.02	0.94	0.008	2.5	0.25	63	120	B734782
Small IV unit between two QFP units, shows same amygdaloidal + massive texture as previous IV with strong alteration. Unit shows strong pervasive silica + moderate patchy carbonate + moderate pervasive sericite alteration. trace disseminated pyrite - null veins.														
Sharp lower contact with QFP unit.														
69.02	**71.59**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	69.02	70.0	0.98	0.02	2.5	0.25	11	28	B734783
Same QFP unit as previous, medium grained quartz-feldspar grains. Unit shows possible rip-up clast from the previous IV unit within 30 cm of the upper contact between the IV and QFP unit. Overall unit shows moderate pervasive potassic + weak - moderate patchy carbonate + weak fracture-fill chlorite. Weak - moderate vugs present within host rock, every vein displays atleast small vugs, average vein shows 30% vuggs. 1% disseminated pyrite within unit.						70.0	71.0	1	0.054	2.5	0.25	10	21	B734784
						71.0	71.59	0.59	0.014	2.5	0.25	10	22	B734785
Sharp - undulating lower contact between QFP and IV.														

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
71.59	**87.68**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	71.59	72.19	0.6	0.011	2.5	0.25	43	108	B734786
IV unit - 95% IV / 5% IVCL, small windows of IVCL unit present, similar to previous IVCL, large rounded elongated clasts with gradational contacts between the IV unit. Massive texture - very fine grained, light grey - grey colour. IV unit shows moderate pervasive silica + moderate patchy carbonate + weak fracture-fill carbonate. Unit displays many cross-cutting / discontinuous qtz-carb stringers veins, similar to 48.15 - 62.17 m. Stringer veins show a crack-seal texture. Unit shows 2-3% fracture-fill pyrite within stringer veins and 1-2% disseminated pyrite within host rock. Few large qtz-carb-chlor vein, 1-2% disseminated pyrite within host rock 1% blebby pyrite within vein. Sharp - undulating upper contact between QFP and IV, sharp lower contact between IV and IVCL.						72.19	73.0	0.81	0.007	2.5	0.25	40	97	B734787
						73.0	74.0	1	0.011	6	0.25	50	95	B734789
						74.0	75.0	1	0.007	2.5	0.25	57	96	B734791
						75.0	76.0	1	0.005	2.5	0.25	62	94	B734792
						76.0	77.0	1	0.014	2.5	0.25	59	100	B734793
						77.0	78.0	1	0.006	2.5	0.25	51	93	B734794
						78.0	79.0	1	0.007	2.5	0.25	63	91	B734795
						79.0	80.0	1	0.007	2.5	0.25	60	87	B734796
						80.0	81.0	1	0.006	2.5	0.25	50	85	B734797
						81.0	82.0	1	0.005	2.5	0.25	54	92	B734798
						82.0	83.0	1	0.0025	2.5	0.25	63	94	B734799
						83.0	84.0	1	0.0025	2.5	0.25	65	103	B734800
						84.0	85.0	1	0.0025	5	0.25	63	100	B734802
						85.0	86.0	1	0.0025	2.5	0.25	64	108	B734803
						86.0	87.0	1	0.0025	2.5	0.25	64	108	B734804
						87.0	87.68	0.68	0.005	2.5	0.25	67	131	B734805
87.68	**94.42**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	VARITEXTURED	FINE	GREY	87.68	88.3	0.62	0.005	2.5	0.25	37	55	B734806
IVCL unit, clasts are mostly silica altered mm scale - 3 cm wide, weakly foliated in small sections, and appear to have no preferential orientation besides near the contact between the IV and IVCL. Varitextured, small areas show foliation, some areas are massive, lower areas of the unit show a fracture-fill / breccia-esque texture. Overall unit shows moderate pervasive silica + moderate patchy carbonate / past 93.1 m moderate - strong fracture-fill hematite alteration (dark red - pinkish alteration). Overall unit shows very fine grained 3-5 % disseminated pyrite + 2-3% fine grained fracture-fill pyrite within veins. Small qtz-carb veins make up 5% of unit, with one larger qtz-carb-serc vein present. Both show 2-3% fracture-fill pyrite.						88.3	89.0	0.7	0.0025	2.5	0.25	21	47	B734807
						89.0	90.0	1	0.0025	2.5	0.25	19	54	B734808
						90.0	91.0	1	0.0025	2.5	0.25	24	48	B734809
						91.0	92.0	1	0.046	2.5	0.25	22	68	B734810
						92.0	93.0	1	0.006	2.5	0.25	34	85	B734811
						93.0	93.5	0.5	0.0025	2.5	0.25	22	47	B734812
						93.5	94.42	0.92	0.0025	2.5	0.25	24	64	B734813

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour
94.42	**145.05**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY

IV unit - massive texture, weak - moderate deformation. Unit shows varying alteration / mineralization.

94.42 - 106.39 massive, very fine grained light grey IV unit. small areas of strong patchy carbonate. Overall unit shows moderate pervasive sericite + moderate pervasive silica + weak patchy carbonate. 20% of unit shows mm scale qtz-carb stringer veins with 1-2% fracture-fill pyrite. Overall unit shows 1-2% disseminated pyrite + 2% blebby pyrite. Most stringers follow a similar trend, with little cross-cutting. Small zone of high deformation / strong pervasive silica + moderate frac-fill carbonate + moderate fracture-fill chlorite between 95.95 - 96.40 m.

106.39 - 111.2 moderate breccia-esque texture, mostly fracture-fill moderate sericite + moderate fracture-fill hematite + moderate pervasive silica alteration. Section is mostly pinkish - red alteration with a grey matrix. 2-3% fracture-fill pyrite + 1-2% disseminated pyrite. Few carb stringer veins, increasing in amount towards lower section contact.

111.2 - 138. Massive texture - very fine grained IV unit relatively unaltered - weak - moderate pervasive silica + weak pervasive sericite + weak pervasive carbonate. Unit shows 10-15% carb stringer veins + with trace fracture-fill pyrite + 1-2% disseminated pyrite. Infrequent qtz-carb-chlor-tour veins present trace - 2% fracture-fill pyrite.

127.50 - 128 m qtz-carb-chlor-py vein, 5% blebby pyrite + 2% fracture-fill pyrite.
136.22 - 136.30 m qtz-carb-chlor stockwork veining shows 5% blebby pyrite + 2% fracture-fill pyrite.
136.68 - 136.7 qtz-py-chlor-carb 10-15% fracture-fill pyrite + 5% blebby pyrite.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
94.42	95.0	0.58	0.007	2.5	0.25	30	157	B734815
95.0	95.93	0.93	0.005	2.5	0.25	29	140	B734816
95.93	97.0	1.07	0.006	2.5	0.25	38	114	B734817
97.0	98.0	1	0.005	2.5	0.25	80	115	B734818
98.0	99.0	1	0.006	2.5	0.25	90	92	B734819
99.0	100.0	1	0.011	2.5	0.25	138	100	B734820
100.0	101.0	1	0.006	2.5	0.25	99	82	B734821
101.0	102.0	1	0.0025	2.5	0.25	34	82	B734822
102.0	103.0	1	0.0025	2.5	0.25	14	68	B734823
103.0	104.0	1	0.0025	2.5	0.25	3	62	B734824
104.0	105.0	1	0.006	2.5	0.25	7	66	B734825
105.0	106.0	1	0.0025	11	0.25	27	149	B734826
106.0	107.0	1	0.0025	2.5	0.25	13	67	B734828
107.0	108.0	1	0.017	2.5	0.25	16	74	B734829
108.0	109.0	1	0.1	2.5	0.25	14	63	B734830
109.0	110.0	1	0.0025	2.5	0.25	18	76	B734831
110.0	111.0	1	0.0025	2.5	0.25	28	115	B734832
111.0	112.0	1	0.006	2.5	0.25	40	89	B734833
112.0	113.0	1	0.007	2.5	0.25	35	95	B734834
113.0	114.0	1	0.292	2.5	0.25	32	106	B734835
114.0	115.0	1	0.0025	2.5	0.25	12	100	B734836
115.0	116.0	1	0.008	2.5	0.25	35	96	B734837
116.0	117.0	1	0.007	2.5	0.25	12	86	B734838
117.0	118.0	1	0.005	2.5	0.25	28	99	B734839
118.0	119.0	1	0.049	2.5	0.25	32	80	B734840
119.0	120.0	1	0.0025	2.5	0.25	10	75	B734842
120.0	121.0	1	0.0025	2.5	0.25	11	80	B734843
121.0	122.0	1	0.008	2.5	0.25	51	117	B734844
122.0	123.0	1	0.0025	2.5	0.25	34	100	B734845
123.0	124.0	1	0.009	2.5	0.25	25	90	B734846
124.0	125.0	1	0.039	2.5	0.25	30	99	B734847

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						125.0	126.0	1	0.013	2.5	0.25	34	101	B734848
						126.0	127.0	1	0.007	5	0.25	29	95	B734849
						127.0	128.0	1	0.01	2.5	0.25	28	112	B734850
						128.0	129.0	1	0.011	2.5	0.25	36	117	B734851
						129.0	130.0	1	0.0025	2.5	0.25	40	90	B734852
						130.0	131.0	1	0.0025	2.5	0.25	38	102	B734853
						131.0	132.0	1	0.0025	5	0.25	25	100	B734855
						132.0	133.0	1	0.0025	2.5	0.25	35	99	B734856
						133.0	134.0	1	0.0025	2.5	0.25	47	99	B734857
						134.0	135.0	1	0.0025	2.5	0.25	42	105	B734858
						135.0	136.0	1	0.006	10	0.25	59	180	B734859
						136.0	137.0	1	0.106	107	1.3	73	730	B734860
						137.0	137.5	0.5	0.014	2.5	0.25	69	248	B734861

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
145.05	**175.79**	**IV, INTERMEDIATE VOLCANIC**	VARITEXTURED	FINE	GREY	148.0	148.51	0.51	0.0025	2.5	0.25	61	114	B734863
Intermixing IVCL / IV unit, 70% IV / 30% IVCL unit. IV unit shows massive texture / very fine - fine grained matrix, weak - moderate deformation + weak - moderate alteration. Unit shows less mineralization and alteration than IVCL unit. 5-10% of unit is qtz-carb stringers with null - trace fracture-fill pyrite. Overall unit shows weak - moderate pervasive silica alt + weak pervasive carbonate. Overall unit shows trace disseminated pyrite. IVCL unit shows mm - 2 cm silica clasts within a well foliated unit, Clasts show moderate patchy silica + moderate fracture-fill chlorite between clasts. Overall unit has larger qtz-carb veins / more alteration + mineralization than the IV unit. Qtz-carb-chlor veins present, 5% of unit is qtz-carb stringers. Overall unit shows 1% disseminated pyrite, with localized areas of increased mineralization + alteration. Overall unit shows moderate patchy silica + weak - moderate fracture-fill chlorite + weak patchy carbonate. Lower contact between IV and QFP lost within rubble. Areas of interest: 149.37 - 150.55 3-4% blebby pyrite + moderate pervasive silica + moderate patchy carbonate + moderate frac fill chlorite. 162.24 - 162.26 qtz-carb vein with 3% blebby chalcopyrite. 163 - 170.7 1% disseminated pyrite, large amounts of qtz-carb-chlor-serc veining, moderate pervasive silica + moderate pervasive sericite + weak pervasive carbonate.						148.51	149.37	0.86	0.0025	2.5	0.25	53	103	B734864
						149.37	150.0	0.63	0.0025	2.5	0.25	79	41	B734865
						150.0	150.55	0.55	0.0025	2.5	0.25	36	49	B734866
						150.55	151.05	0.5	0.0025	2.5	0.25	37	72	B734867
						151.05	152.0	0.95	0.0025	2.5	0.25	19	66	B734869
						161.0	162.0	1	0.0025	2.5	0.25	21	34	B734870
						162.0	162.5	0.5	0.011	2.5	0.25	323	88	B734871
						162.5	163.0	0.5	0.01	2.5	0.25	266	95	B734872
						163.0	164.0	1	0.0025	2.5	0.25	55	73	B734873
						164.0	165.0	1	0.0025	2.5	0.25	58	73	B734874
						165.0	166.0	1	0.006	2.5	0.25	40	75	B734875
						166.0	167.0	1	0.0025	2.5	0.25	27	76	B734876
						167.0	168.0	1	0.007	2.5	0.25	65	67	B734877
						168.0	169.0	1	0.0025	2.5	0.25	51	74	B734878
						169.0	170.0	1	0.0025	2.5	0.25	49	82	B734879
						170.0	171.1	1.1	0.008	2.5	0.25	20	82	B734880
						171.1	172.0	0.9	0.005	2.5	0.25	26	82	B734881
						172.0	173.0	1	0.071	2.5	0.25	55	79	B734883
						173.0	174.0	1	0.061	2.5	0.25	98	97	B734884
						174.0	175.0	1	0.013	2.5	0.25	65	104	B734885
						175.0	175.79	0.79	0.038	2.5	0.25	69	100	B734886
175.79	**182.68**	**QFP, Quartz-Feldspar Porphyry**	VARITEXTURED	MEDIUM	CREAM	175.79	177.0	1.21	0.178	2.5	0.25	6	19	B734887
QFP unit, medium grained qtz-feld grains with visible biotite laths showing no preferential orientation also present. Unit is mostly rubble, texture is porphyritic / blocky; 25% of unit is competent, 75% is rubble. Rubble ranges from fine grained sand - 4-5 cm pieces - fault gouge also present, Most of unit shows small qtz-carb-chlor veins few carb stringer veins are present - neither showing mineralization. 1-2% disseminated pyrite within QFP. Overall unit shows moderate pervasive potassic alt + weak fracture-fill chlorite + moderate pervasive silica + moderate pervasive sericite. Unit appears to have a large rubble / deformation zone - fault present. Upper part of the zone shows less fault gouge than lower part of the unit, lower section of unit / contact / proceeding unit are much more altered than upper contact / units. Upper contact between IV and QFP is lost within rubble - lower contact between QFP and IVCL gradational.						177.0	178.0	1	0.125	2.5	0.25	6	20	B734888
						178.0	179.0	1	0.156	2.5	0.25	7	21	B734889
						179.0	180.0	1	0.282	2.5	0.25	4	23	B734890
						180.0	181.0	1	0.087	2.5	0.25	4	23	B734891
						181.0	182.0	1	0.047	2.5	0.25	47	78	B734892
						182.0	182.68	0.68	0.0025	2.5	0.25	53	115	B734893

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
182.68	**196.75**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	LIGHT GREY	182.68	183.18	0.5	0.009	16	0.25	16	55	B734894
IVCL unit, intense alteration + strong deformation, light grey and very fine grained. Unit shows a strong foliation, clasts appear sub-rounded / width varies with stress from mm scale and elongated to 2-3 cm wide and moderately elongated along foliation. Clast size increases down-hole; stress decreases down-hole. Alteration varies heavily, decreasing down-hole. 182.68 - 183.90 intense pervasive sericite + intense pervasive silica + moderate pervasive potassic + moderate fracture-fill chlorite. Unit is pastel pink - rounded "clasts" are present of previous QFP unit and host rock. Most stress part of unit, trace disseminated pyrite present. 183.9 - 187.5 unit shows strong alteration / deformation; strong foliation within unit, clasts are now present but very thin and elongated along foliation. Strong pervasive / fracture-fill sericite + strong pervasive silica + weak fracture-fill chlorite alt. Few qtz-carb veins present, Mineralization is trace - 1% disseminated pyrite within host rock. End of deformation zone at the start of this section. 187.5 - 196.75 m unit shows moderate to strong deformation / strong foliation. Clasts are 1-2 cm / rounded and elongated along foliation. Few qtz-carb veins present, large qtz-carb-chlor veins present with 1% disseminated pyrite along vein margins. strong pervasive silica + moderate fracture-fill chlorite + moderate pervasive sericite alt. Section shows 5-10% disseminated pyrite + 1-5% fracture-fill pyrite + 1% blebby chalcopyrite. Upper contact between IVCL and QFP is gradational, lower contact between IVCL and IV unit is sharp.						183.18	184.0	0.82	0.013	23	0.25	17	48	B734895
						184.0	185.0	1	0.222	22	0.5	66	66	B734897
						185.0	186.0	1	0.693	21	1.3	21	151	B734898
						186.0	187.0	1	0.107	24	0.5	13	100	B734899
						187.0	188.0	1	0.012	29	0.25	19	76	B734900
						188.0	189.0	1	0.019	34	0.25	17	148	B734901
						189.0	190.0	1	0.115	39	0.9	22	135	B734902
						190.0	191.0	1	0.013	44	0.25	17	123	B734903
						191.0	192.0	1	0.113	50	0.25	17	322	B734904
						192.0	193.0	1	0.017	41	0.25	18	188	B734906
						193.0	194.0	1	0.012	37	0.25	18	244	B734907
						194.0	195.0	1	0.02	38	0.25	17	256	B734908
						195.0	196.0	1	0.041	44	0.25	14	291	B734909
						196.0	196.75	0.75	0.026	45	0.6	33	447	B734910
196.75	**198.3**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	196.75	197.5	0.75	0.009	15	0.6	64	219	B734911
IV unit, small unit with weak - moderate deformation. Weak patchy sericite + weak pervasive silica. Small clastic material present, mostly massive texture. Trace disseminated pyrite, few qtz veins, 1% disseminated pyrite between both veins. Sharp upper and lower contact between the IV / IVCL and IV / QFP unit.						197.5	198.3	0.8	0.015	10	0.25	60	167	B734912

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
198.3	**210.91**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	198.3	199.0	0.7	0.037	2.5	0.25	3	20	B734913
QFP unit, Small intermixing IVCL units present from 200.34 - 200.88 / 203.1 - 205.39 and 210.26 - 210.91, unit is identical to IVCL unit above. Both units shows small amounts of qtz-carb stringer veins and few qtz-carb-chlor veins with 1% disseminated pyrite.						199.0	199.5	0.5	0.085	2.5	0.25	7	20	B734914
						199.5	200.34	0.84	0.17	2.5	0.25	2	16	B734915
198.3 - 200.34 / 200.88 - 203.1 & 205.39 - 210.26. 2-3% disseminated pyrite - moderate pervasive potassic + weak pervasive silica + moderate fracture-fill chlorite. weak - moderate deformation, medium grained feldspar-qtz grains with minor amounts of biotite laths present. unit shows few qtz-carb stringer veins with larger qtz-carb-chlor veins present.						200.34	200.88	0.54	0.12	26	0.25	16	37	B734916
						200.88	202.0	1.12	0.578	2.5	0.25	10	20	B734917
						202.0	203.1	1.1	0.244	2.5	0.25	10	23	B734918
200.34 - 200.88 & 203.1 - 205.39 & 210.26 - 210.91 m IVCL unit, same as previous IVCL unit. clasts appear rounded, elongated along a weak - moderate foliation. Overall unit shows strong pervasive silica + moderate - strong fracture-fill chlorite + moderate - strong pervasive sericite alteration. 4-8% disseminated pyrite + 2-3% blebby pyrite within both sections.						203.1	204.0	0.9	0.218	76	0.6	15	157	B734920
						204.0	204.5	0.5	0.033	42	0.25	24	201	B734921
						204.5	205.39	0.89	0.634	19	0.25	14	174	B734922
						205.39	206.0	0.61	0.043	2.5	0.25	7	23	B734923
						206.0	207.0	1	0.2	2.5	0.25	5	23	B734924
						207.0	208.0	1	0.322	2.5	0.25	16	30	B734925
						208.0	209.0	1	0.225	2.5	0.25	12	32	B734926
						209.0	209.5	0.5	0.009	2.5	0.25	15	25	B734927
						209.5	210.26	0.76	0.023	2.5	0.25	10	25	B734928
						210.26	210.91	0.65	0.185	20	0.25	16	80	B734929
210.91	**213.8**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	210.91	212.0	1.09	0.013	20	0.25	64	195	B734930
IV unit, very fine grained - massive texture / weak deformation & alteration. Weak pervasive silica + weak patchy carbonate + weak fracture-fill chlorite. trace - 1 % disseminated pyrite. Unit has a sharp upper and lower contact with IV/QFP and IV/IVCL.						212.0	213.0	1	0.073	8	0.5	57	201	B734931
						213.0	213.8	0.8	0.077	9	0.7	84	182	B734933
213.8	**221.02**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY	213.8	215.0	1.2	0.009	23	0.25	44	126	B734934
IVCL unit, similar to ones seen above QFP and within QFP with less deformation and alteration. Clasts are subangular - subrounded, and follow a weak foliation besides close to the IV / IVCL contact where the foliation is stronger. Clasts appear to be silica altered / made of host rock. Overall unit shows moderate pervasive silica + weak pervasive sericite + moderate fracture-fill chlorite. Unit shows 5-8% disseminated pyrite with localized areas of increased mineralization (10-15 % disseminated pyrite from 217 - 220.86). Few qtz-carb stringers + few qtz-carb-chlor veins.						215.0	216.0	1	0.019	36	0.25	19	94	B734935
						216.0	217.0	1	0.036	29	0.25	15	90	B734936
						217.0	218.0	1	0.013	25	0.25	16	87	B734937
						218.0	219.0	1	0.0025	21	0.25	25	181	B734938
						219.0	220.0	1	0.0025	11	0.25	19	125	B734939
						220.0	221.0	1	0.0025	7	0.25	18	81	B734940
221.02	**224**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY									
IV unit similar to 210.91-213.8, weak deformation, very fine grained, light grey / weak alteration. Overall unit shows weak patchy carbonate and weak pervasive silica. 1% disseminated pyrite, few qtz-carb stringer veins with no mineralization.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-015

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Oct-01-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Oct-02-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	4.5	**Drill Company:**	Major Drilling	**Easting:**	505,554
Orient:	ACT III	**EOH:**	119			**Northing:**	5,507,896
Hole Status:	COMPLETE	**Logged Depth:**	119			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**4.09**	**OB, OVERBURDEN**												
4.09	**13.11**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	LIGHT GREY	10.0	11.0	1	0.0025	2.5	0.25	20	118	B734941
						11.0	12.0	1	0.0025	2.5	0.25	20	93	B734942
						12.0	13.11	1.11	0.0025	2.5	0.25	10	61	B734943
13.11	**23.16**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	13.11	14.0	0.89	0.0025	2.5	0.25	12	104	B734944
						22.0	22.5	0.5	0.0025	2.5	0.25	64	99	B734946
						22.5	23.16	0.66	0.0025	5	0.25	67	107	B734947

Top of hole, IVCL with strong foliation, small rounded clasts mm - 1 cm wide, clasts are elongated along foliation. Clasts are altered mostly with pervasive silica. moderate pervasive silica + moderate fracture-fill sericite + moderate - strong pervasive carbonate present. Overall unit shows trace disseminated pyrite.

11 - 13.11 m show moderate to strong fracture-fill hematite + moderate pervasive silica + moderate pervasive sericite alteration - along with trace disseminated pyrite. Lower contact at 13.11 is sharp, alteration / clasts drop off immediately past 13.11.

IV unit, massive texture, fine grained, light grey / weak alteration. Weak - moderate pervasive silica + weak pervasive sericite + subtle fracture-fill hematite (until 16.5 m). Trace disseminated pyrite throughout whole unit. Small intermixing IVCL / IV unit from 19.9 - 23.16 (60% IV unit, 40% IVCL unit) clasts are similar to IVCL down-hole, 3-5 cm, rounded clasts with a null - weak foliation. Clasts show weak pervasive silica alt.

21.3 - 23.16 m IVCL / IV unit increases in alteration + mineralization. Unit shows moderate pervasive silica + moderate pervasive carbonate + weak fracture-fill potassic alt. Mineralization increases towards contact, 1-2% disseminated pyrite + 1% blebby pyrite.

Sharp lower contact between IV / QFP unit.

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
23.16	**33.56**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	23.16	24.0	0.84	0.0025	2.5	0.25	11	22	B734948
QFP unit, moderate deformation, weak - moderate alteration, medium grained qtz grains present. Few qtz-carb stringer veins present, few qtz-carb-chlor veins present with 1-2% disseminated pyrite. Overall unit shows moderate pervasive potassic + weak fracture-fill chlorite + weak patchy carbonate alteration. 1-2% disseminated pyrite present within unit. Sharp upper contact between IV and QFP unit. Lower contact between QFP and IVCL intensely altered and gradational / lost in rubble.						24.0	25.0	1	0.012	2.5	0.25	8	28	B734949
						25.0	26.0	1	0.009	2.5	0.25	9	25	B734950
						26.0	27.0	1	0.047	2.5	0.25	5	22	B734951
						27.0	28.0	1	0.016	2.5	0.25	3	20	B734952
						28.0	29.0	1	0.086	2.5	0.25	12	23	B734953
						29.0	30.0	1	0.04	2.5	0.25	2	21	B734954
						30.0	31.0	1	0.387	2.5	0.25	3	21	B734955
						31.0	32.0	1	0.528	2.5	0.25	2	22	B734956
						32.0	33.0	1	0.083	2.5	0.25	3	23	B734957
						33.0	33.56	0.56	0.512	5	0.25	2	21	B734959
33.56	**41.85**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	MONOMICTIC	VERY FINE	LIGHT GREY	33.56	34.16	0.6	2.27	15	1.5	73	60	B734960
IVCL unit, weak deformation / fine grained matrix. Unit appears to be monomictic, clasts are sub-rounded and follow no orientation / foliation; clasts appear to be mostly carbonate + silica altered - slightly porous looking; clasts are 2-3 cm wide. Unit shows moderate patchy carbonate + moderate pervasive silica + weak fracture-fill chlorite (infilling near some veins). Localized mineralization / alteration near the upper contact between the IVCL and QFP unit 33.56 - 33.70 m intense pervasive sericite + strong pervasive silica + moderate pervasive carbonate alteration + 2-3% disseminated pyrite. Overall unit shows 1-2% disseminated pyrite. Unit shows few qtz-carb stringer veins + few larger qtz-carb-chlor veins present. Lower contact between IVCL and IV unit is gradational, changing in texture / alteration and mineralization.						34.16	35.0	0.84	0.021	14	0.25	73	102	B734961
						35.0	36.0	1	0.014	10	0.25	76	86	B734962
						36.0	37.0	1	0.012	5	0.25	96	98	B734963
						37.0	38.0	1	0.009	8	0.25	82	108	B734964
						38.0	39.0	1	0.007	5	0.25	74	101	B734965
						39.0	40.0	1	0.009	8	0.25	53	96	B734966
						40.0	41.0	1	0.012	15	0.25	70	101	B734967
						41.0	41.85	0.85	0.011	12	0.25	68	96	B734968
41.85	**48.4**	**IV, INTERMEDIATE VOLCANIC**	VARITEXTURED	VERY FINE	DARK GREY	41.85	43.0	1.15	0.016	18	0.25	44	90	B734969
IV unit - small unit within IVCL unit, moderate deformation + moderate - strong alteration. Unit shows small brecciated texture, a small amount of foliation texture and a larger massive section. Unit shows moderate fracture-fill chlorite (moderate amounts of fracture-fill tourmaline also present with the chlorite) moderate - strong pervasive silica + moderate pervasive sericite + after 45.45 moderate patchy carbonate + moderate pervasive silica. Overall unit show 3-4% blebby pyrite + trace - 1% blebby chalcopyrite + 1% fracture-fill pyrite. Unit has large qtz-carb-chlor-tour-py blebs / discontinuous veins but no veins / few carb stringers. Sharp lower contact between IV and IVCL unit. Stark change in alteration / texture.						43.0	44.0	1	0.012	9	0.25	81	86	B734970
						44.0	45.0	1	0.012	15	0.25	46	84	B734971
						45.0	46.0	1	0.056	59	0.25	98	74	B734973
						46.0	47.0	1	0.01	10	0.25	70	93	B734974
						47.0	47.5	0.5	0.007	5	0.25	55	88	B734975
						47.5	48.4	0.9	0.008	7	0.25	76	87	B734976

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
48.4	**89.2**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	VARITEXTURED	VERY FINE	LIGHT GREY	48.4	49.0	0.6	0.005	2.5	0.25	58	136	B734978
IVCL unit with intermixing IV unit, (30% IV / 70% IVCL unit). IVCL unit is similar to previous IVCL, weak deformation - very fine grained / weakly foliated. Clasts are rounded - subrounded - clasts show moderate patchy carbonate + moderate pervasive silica + weak fracture-fill chlorite (along clast margins). Overall both units show moderate patchy carbonate + moderate pervasive silica + subtle fracture-fill chlorite. Overall unit shows trace - 1% disseminated pyrite. Veining within unit is mostly discontinuous qtz-carb veins - most show null to trace mineralization. Stringer carb veins are common but show no mineralization.						88.5	89.2	0.7	0.006	2.5	0.25	60	94	B734979
IV unit is massive, shows weaker mineralization and alteration as the IVCL unit. Contacts between IV and IVCL units are mostly gradational, few are sharp and usually hidden beneath qtz-carb veins.														
89.2	**93.79**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	89.2	90.0	0.8	0.214	2.5	1.1	10	24	B734980
QFP unit, medium grained feldspar - quartz grained, weak deformation, cream colour. Moderate vuggy texture within qtz-carb stringer veins. Unit shows weak - moderate pervasive potassic + weak fracture-fill chlorite + weak patchy carbonate alteration. Unit shows 1-2% disseminated pyrite, and trace disseminated pyrite within vein margins. mm scale qtz-carb / chlor stringer veins make up 3% of unit, show trace pyrite within vein margins and show no preferred trend.						90.0	91.0	1	0.928	2.5	0.25	18	32	B734981
						91.0	92.0	1	0.042	2.5	0.25	15	40	B734982
						92.0	93.0	1	0.024	2.5	0.25	15	33	B734984
QFP has sharp lower and upper contacts - with no alteration halo, as seen in previous hole QFPs.						93.0	93.79	0.79	0.024	2.5	0.25	10	25	B734985
93.79	**99.27**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	LIGHT GREY	93.79	95.0	1.21	0.0025	2.5	0.25	55	99	B734986
IVCL unit, similar to 48.4 - 89.2 & 93.79 - 99.27.						95.0	96.0	1	0.0025	2.5	0.25	65	84	B734987
Clasts are rounded and 2-3 cm wide and elongated along a foliation. Overall unit shows weak - moderate patchy carbonate + weak - moderate pervasive silica alteration - 1% disseminated pyrite also present. Unit shows sharp lower and upper contacts between the QFP units, with no increased mineralization or alteration as seen in previous holes / up-hole.						96.0	97.0	1	0.0025	2.5	0.25	44	80	B734988
						97.0	98.0	1	0.008	5	0.25	70	88	B734989
						98.0	99.27	1.27	0.005	2.5	0.25	61	97	B734990
99.27	**103.34**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	CREAM	99.27	100.0	0.73	0.0025	2.5	0.25	6	15	B734991
Granitic looking QFP unit, medium to coarse grained quartz-feldspar grains. Weak deformation with a cream - grey colour. Overall unit shows weak pervasive potassic + weak patchy carbonate + weak - moderate frac fill chlorite alt. Large qtz-carb veins are not present within the unit, however small qtz-chlor-carb stringer veins are present - a moderate vuggy texture is present within the stringers. Overall unit shows 1-2% disseminated pyrite.						100.0	101.0	1	0.0025	2.5	0.25	14	18	B734992
						101.0	102.0	1	0.008	2.5	0.25	10	35	B734993
						102.0	102.5	0.5	0.006	2.5	0.25	7	40	B734994
Sharp upper and lower contacts between the IVCL / QFP and QFP / IV. No alteration halo / increase in mineralization is present near the contacts						102.5	103.34	0.84	0.0025	2.5	0.25	10	27	B734996
103.34	**119**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	103.34	104.0	0.66	0.006	2.5	0.25	85	104	B734997
Intermixing unit of IV / IVCL (80% IV / 20% IVCL). Weak deformation / low mineralization & alteration. Weak - moderate pervasive silica + weak - moderate patchy carbonate present mostly within clastic material, IV unit shows weak alteration and mineralization. IVCL unit appears identical to previous IVCL units, with elongated - rounded clasts. trace - 1% disseminated pyrite throughout whole unit. Small qtz-carb stringer veins present within the unit, null - trace frac fill pyrite present along with larger qtz-carb veins present, null - trace frac fill pyrite also present.						104.0	105.04	1.04	0.006	2.5	0.25	61	100	B734998
Upper contact between IV and QFP sharp with no alteration halo.														

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-016

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Oct-03-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Oct-05-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	9	**Drill Company:**	Major Drilling	**Easting:**	505,971
Orient:	ACT III	**EOH:**	248			**Northing:**	5,507,240
Hole Status:	INPROGRESS	**Logged Depth:**	248			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**1.5**	**OB, OVERBURDEN**												
1.5	**39.34**	**GAB, GABBRO**	MASSIVE	MEDIUM	GREEN-GREY									

Gabbro unit - medium grained , weak deformation. patchy silica+epidote+chlorite alteration present, 1% disseminated pyrite seen throughout the unit. No qtz-carb veining. Lower contact between Gabbro and IVCL unit becomes finer grained with proximity to lower contact - possibly aphanitic mafic dyke appearing along contact between Gabbro and IVCL, as it shows similar massive texture + medium grained cubic pyrite.

Lower contact is sharp but lost in rubble.

39.34	**48.56**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY									

IVCL unit, polymictic with varying size / composition in clasts. Clasts are rounded, elongated along foliation and between 1-4 cm wide. Clasts show mostly patchy carb+silica alteration - 30% of clasts appear rounded / 1-2 cm in width and are mostly glassy with a dull grey-purple colour.. Overall unit shows moderate patchy silica + weak - moderate pervasive sericite + weak patchy carbonate. 1-2% disseminated pyrite present. Unit is not magnetic. Rubble zone present 45.41 - 46.81 m, no fault gouge present, rubble is mostly angular 3-5 cm blocky pieces. Unit shows few qtz-carb stringer veins with no mineralization.

Lower contact between MD and IVCL is sharp.

48.56	**48.66**	**MD, MAFIC DYKE**	MASSIVE	APHANITIC	BLACK									

Mafic Dyke, very magnetic / massive texture / aphanitic and dark grey. Pyrite is fine to medium grained / cubic. Unit shows no alteration, and has sharp upper and lower contacts.

48.66	**49.16**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY									

Same IVCL unit as 39.34 - 48.56 - polymictic clasts 1-4 cm wide with with a variety of colour, elongated along foliation and showing mostly patchy carb+silica alteration. Shows 1% disseminated pyrite throughout unit, along with similar moderate patchy silica + weak - moderate pervasive sericite + weak patchy carbonate alteration present in last IVCL unit.

Unit has a sharp lower contact with IVCL / MD.

Project: Van Horne **Hole Number:** VH21-016

From	To	Lithology	Texture	Grain Size	Colour
49.16	**51.82**	**MD, MAFIC DYKE**	MASSIVE	APHANITIC	BLACK

Mafic Dyke - same as 48.56 - 48.66. Massive texture / subtle to weak deformation / aphanitic grain size. Unit shows 3-4% blebby / cubic pyrite, similar to previous MD. Subtle patchy carbonate alteration present. Unit is very magnetic.

Sharp upper contact between the IVCL unit, lower contact is lost within a rubble zone.

From	To	Lithology	Texture	Grain Size	Colour
51.82	**76.39**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY

IVCL unit similar to previous up-hole.Clasts are 1-6 cm wide, elongated along foliation and various colours red-grey-purple-brown. Similar to up-hole, 30% of the clasts are 1-2 cm / rounded and a dull grey - purple and appear to be mostly silica alteration + very glassy. This unit shows more alteration / mineralization than previous IVCL / along with an increase in veining.

From 62.50 - 76.39 m, the unit changes to increased alteration / mineralization + veining. The clasts orientation appears more erratic, less clasts are present, and are more altered with silica; clasts are subrounded - dull grey - red-brown - purple in colour and 1-2 cm in width but less elongated along a foliation. The host rock shows moderate patchy sericite + moderate pervasive silica + weak - moderate patchy chlorite + moderate patchy hematite (along vein margins). Qtz-carb stringer veins present, mostly show trace fracture-fill pyrite - larger qtz-carb-chlor veins show trace - 2% fracture-fill pyrite. Overall unit shows 2% disseminated pyrite.

Sharp lower contact between IVCL and MD

From	To	Length	Au	As	Ag	Cu	Zn	Sample
62.0	63.0	1	0.0025	2.5	0.25	9	103	B734999
63.0	64.0	1	0.0025	2.5	0.25	27	72	B735000
64.0	65.0	1	0.007	2.5	0.25	12	96	E500001
65.0	66.0	1	0.448	2.5	0.25	11	86	E500002
66.0	67.0	1	0.025	2.5	0.25	5	101	E500003
67.0	68.0	1	0.007	2.5	0.25	10	131	E500004
68.0	69.0	1	0.473	2.5	0.25	8	83	E500005
69.0	70.0	1	1.01	2.5	0.25	9	104	E500006
70.0	71.0	1	0.019	2.5	0.25	3	137	E500007
71.0	72.0	1	0.007	2.5	0.25	2	119	E500008
72.0	73.0	1	0.394	2.5	0.25	6	127	E500010
73.0	74.0	1	0.156	2.5	0.25	5	110	E500011

From	To	Lithology	Texture	Grain Size	Colour
76.39	**77.41**	**MD, MAFIC DYKE**	MASSIVE	APHANITIC	BLACK

Mafic dyke - same as previous up-hole - Aphanitic / subtle - weak deformation - black colour. Subtle patchy carbonate alt, 2-3% blebby cubic pyrite. Sharp upper and lower contacts between IVCL and MD unit.

From	To	Lithology	Texture	Grain Size	Colour
77.41	**101.51**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	FINE	GREY

IVCL unit, similar to 51.82 - 76.39 m. Clasts are less common - are 1-3 cm wide - subrounded and follow a weak foliation. Clasts show moderate patchy silica+hematite+carbonate alteration small patches of moderate pervasive silica alteration are present, clasts are dull grey - red - purple in colour. Overall unit shows moderate pervasive silica + moderate patchy hematite + weak pervasive sericite weak fracture-fill chlorite. Qtz-carb-chlor veins present along with qtz-carb stringer veins (5% of unit) qtz-carb blebs / discontinuous veins also present - showing trace - 1% fracture-fill pyrite. Overall unit shows 1-2% blebby pyrrhotite + 1-2% disseminated pyrite.

From	To	Lithology	Texture	Grain Size	Colour
101.51	**102.61**	**MD, MAFIC DYKE**	MASSIVE	APHANITIC	BLACK

Mafic Dyke - Weak deformation - aphanitic - subtle patchy carbonate alteration present. 1-2% blebby pyrite + 1% disseminated pyrite along dyke margins. Sharp lower and upper contact between IVCL and MD.

Project: Van Horne **Hole Number:** VH21-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
102.61	**114.16**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	FOLIATED	VERY FINE	GREY	112.0	113.0	1	0.006	2.5	0.25	4	102	E500012
IVCL unit, similar to previous units in hole. Clasts are more defined, follow a weak to moderate foliation with weak - moderate alteration; clasts are 1-2 cm wide 30% of unit shows a foliation 70% of unit shows erratic placement of clasts.. Unit shows weak - moderate patchy carbonate + weak - moderate patchy silica + weak patchy hematite + weak fracture-fill chlorite. Overall unit shows 1% disseminated pyrrhotite and 1% disseminated pyrite.- with a small area between 106.1 - 106.53 showing 10-12% blebby pyrrhotite. Qtz-carb stringer veins are sparse, with trace blebby pyrite - larger qtz-carb-chlor-tour veins are present, showing 1% disseminated pyrite.						113.0	114.16	1.16	0.267	2.5	0.25	4	118	E500014
114.16	**118.55**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	FINE	LIGHT GREY	114.16	115.0	0.84	0.027	2.5	0.25	2	113	E500015
IV unit, weak deformation - moderate / strong alteration - fine grain size and light grey - white-grey colour. Unit shows a massive texture, with a coarser grain size than previous units, along with amphibole laths present (seen in previous hole 008). Unit shows moderate - strong pervasive silica + moderate pervasive carbonate + subtle fracture-fill chlorite (within vein margins). Unit shows 5-10% qtz-carb stringer veins - showing cross-cutting each other / trace disseminated pyrite along veins. Overall unit shows 1% disseminated pyrite.						115.0	116.0	1	0.0025	2.5	0.25	5	126	E500016
						116.0	117.0	1	0.0025	2.5	0.25	3	126	E500017
						117.0	118.0	1	0.0025	2.5	0.25	1	110	E500018
Unit has a sharp upper contact between IVCL and IV, within a vein margin. Lower contact is gradational between the IV / IVCL.						118.0	118.55	0.55	0.0025	2.5	0.25	1	127	E500019
118.55	**159.76**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	VARITEXTURED	VERY FINE	GREY	118.55	119.55	1	0.0025	2.5	0.25	2	108	E500020
Intermixing IVCL / IV unit. IVCL unit very fine grained - weak - moderate deformation / mostly polymictic texture with sections of massive texture. Clasts are poorly defined, varying in size / colour - clasts range from 1-5 cm, subrounded - subangular. Clasts show weak fracture-fill chlorite along margins + moderate patchy carbonate + silica alt within clasts. Overall the IVCL unit shows moderate patchy silica + moderate patchy carbonate + weak fracture-fill chlorite - along with small bespeckled areas of black magnetite laths (also possibly biotite), areas with these black spots are magnetic, while overall the unit is slightly magnetic. Overall unit shows 1-2% blebby pyrrhotite + 1% disseminated pyrite. The unit has few qtz-carb stringer veins and few qtz-carb-chlor veins. Most show null - trace disseminate pyrite. Small IV unit with a massive texture, weak deformation and weak alteration appears from 129.63 - 136.08 m. Unit contains few qtz-carb-chlor veins with trace disseminated pyrite. Overall unit shows weak - moderate pervasive silica + weak pervasive carbonate alteration. Unit has trace disseminated pyrite.						119.55	120.0	0.45	0.0025	2.5	0.25	3	114	E500021

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
159.76	**179.05**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	160.5	161.0	0.5	0.0025	10	0.25	42	112	E500023
IV unit - massive texture, very fine grained - weak - moderate deformation - light grey - grey colour. Unit shows moderate pervasive silica + weak - moderate patchy carbonate + subtle - weak sericite alteration. Qtz-carb stringer veins make up 20% of unit - trace - 1% fracture-fill pyrite within stringers. Large qtz-carb-chlor veins show trace fracture-fill pyrite. Carb stringers all trend the same direction, Overall unit shows 1% disseminated pyrite + 1% frac fill pyrite.						161.0	162.0	1	0.0025	2.5	0.25	16	129	E500024
						162.0	163.0	1	0.0025	2.5	0.25	8	383	E500025
						163.0	164.0	1	0.0025	2.5	0.25	13	378	E500026
Sharp upper contact between IVCL / IV. Sharp lower contact IV / IVCL						164.0	165.0	1	0.0025	2.5	0.25	6	369	E500027
						165.0	166.0	1	0.0025	2.5	0.25	10	340	E500028
						166.0	167.0	1	0.005	2.5	0.25	30	162	E500029
						167.0	168.0	1	0.0025	2.5	0.25	27	115	E500030
						168.0	169.0	1	0.0025	2.5	0.25	17	119	E500031
						169.0	170.0	1	0.0025	2.5	0.25	25	77	E500032
						170.0	171.0	1	0.0025	2.5	0.25	21	86	E500033
						171.0	172.0	1	0.0025	2.5	0.25	29	101	E500034
						172.0	173.0	1	0.0025	2.5	0.25	24	183	E500036
						173.0	174.0	1	0.005	2.5	0.25	33	130	E500037
						174.0	175.0	1	0.0025	2.5	0.25	29	104	E500038
						175.0	176.0	1	0.007	2.5	0.25	41	191	E500039
						176.0	177.0	1	0.01	2.5	0.25	106	139	E500040
						177.0	178.0	1	0.0025	2.5	0.25	17	218	E500041
						178.0	179.05	1.05	0.0025	2.5	0.25	19	210	E500042

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-016

From	To	Lithology	Texture	Grain Size	Colour
179.05	**195.39**	**IVCL, INTERMEDIATE VOLCANICLASTIC**	VARITEXTURED	FINE	GREY

IVCL unit with intermixing massive texture / foliated texture. Massive texture sections show sparse clasts. Clasts size / alteration varies throughout unit. Clasts appear round and less foliated with a dark grey colour until 185.30, 185.3 - 190.2 shows a massive texture with few rounded clasts (possibly an IV unit with sparse clasts), 190.2 - 195.29 m clasts are strongly foliated mm scale - 1 cm wide and light grey in colour. Overall unit shows moderate patchy carbonate + moderate patchy silica + weak fracture-fill chlorite. Unit is weakly magnetic. Unit has few qtz-carb stringer veins + few larger qtz-carb-chlor veins with trace frac fill pyrite. Overall unit shows trace blebby pyrrhotite + trace disseminated pyrite.

Unit between 185.3 - 190.2 shows weak patchy hematite alt (within clasts), weak pervasive silica + weak patchy carbonate alt.

191.72 - 191.76 Qtz-carb-chlor-tour vein with 2% blebby chalcopyrite + 1% disseminated pyrite.
187.24 - 189.9 m 3-5% blebby pyrrhotite + 2% disseminated pyrite.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
179.05	180.0	0.95	0.0025	2.5	0.25	14	145	E500043
180.0	181.0	1	0.0025	2.5	0.25	3	151	E500044
181.0	182.0	1	0.0025	2.5	0.25	4	146	E500045
182.0	183.0	1	0.0025	2.5	0.25	2	158	E500046
183.0	184.0	1	0.0025	2.5	0.25	10	139	E500047
184.0	185.0	1	0.0025	2.5	0.25	5	144	E500049
185.0	186.0	1	0.0025	2.5	0.25	8	142	E500050
186.0	187.0	1	0.02	2.5	0.25	17	114	E500051
187.0	188.0	1	0.011	2.5	0.25	26	102	E500052
188.0	189.0	1	0.016	2.5	0.25	18	105	E500053
189.0	190.0	1	0.01	2.5	0.25	9	144	E500054
190.0	191.0	1	0.0025	2.5	0.25	5	178	E500055
191.0	192.0	1	0.0025	2.5	0.25	4	190	E500056
192.0	193.0	1	0.012	2.5	0.25	4	192	E500057
193.0	194.0	1	0.006	2.5	0.25	24	187	E500058
194.0	194.5	0.5	0.006	2.5	0.25	26	176	E500059
194.5	195.39	0.89	0.0025	2.5	0.25	14	154	E500060

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
195.39	**248**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY	195.39	196.0	0.61	0.0025	2.5	0.25	9	131	E500062
IV unit, massive texture - very fine grained - grey colour - weak - moderate deformation. Unit has varying amounts of alteration / mineralization. 195.39 - 204.8 m moderate pervasive silica + moderate pervasive carbonate + weak pervasive sericite. Unit shows trace disseminated pyrite. 10-15% qtz-carb- stringer veins + qtz-carb-chlor veins present, 204.8 - 222.3 m mostly massive with weak foliation + possible IVCL unit within - weak pervasive silica + weak patchy carbonate + Weak fracture-fill chlorite. trace disseminated pyrite + 1% blebby pyrite. Few qtz-carb stringer veins, few qtz-carb-chlor veins present, showing null - trace frac fill pyrite. 222.3 - 223.59 large vein qtz-carb-potass+chlor+tour vein with a small alteration halo + a small alteration zone with mineralization. Moderate pervasive potassic + moderate pervasive silica + weak - moderate fracture-fill carbonate + moderate patchy chlorite. 1-2% disseminated pyrite + 1% fracture-fill pyrite. 223.59 - 239.28 massive IV unit, weak deformation - subtle - weak patchy carbonate + subtle-weak pervasive silica. Trace disseminated pyrite. Qtz-carb stringer veins are sparse - qtz-carb-chlor veins are present with null sulphides. 239.28 -242.7 m - massive IV unit - weak deformation with moderate pervasive hematite + weak - moderate fracture-fill carbonate + moderate pervasive silica + weak fracture-fill chlorite. Unit shows many qtz-carb stringers + few large qtz-carb-chlor veins with 1% disseminated pyrite. Overall unit shows 1% disseminated pyrite. 242.7 - 248 massive texture - IV unit, weak patchy carbonate + weak pervasive silica. few qtz-carb veins + few larger qtz-carb-chlor veins. Null sulphides.						196.0	197.0	1	0.015	2.5	0.25	75	90	E500063
						197.0	198.0	1	0.0025	2.5	0.25	37	101	E500064
						198.0	199.0	1	0.009	2.5	0.25	71	96	E500065
						199.0	200.0	1	0.009	2.5	0.25	62	95	E500066
						200.0	201.0	1	0.008	2.5	0.25	55	95	E500067
						221.0	222.0	1	0.018	2.5	0.25	6	55	E500068
						222.0	223.0	1	0.0025	2.5	0.25	4	18	E500069
						223.0	224.0	1	0.0025	2.5	0.25	5	72	E500070
						224.0	225.0	1	0.0025	2.5	0.25	6	84	E500071
						225.0	226.0	1	0.015	2.5	0.25	34	110	E500073
						226.0	227.0	1	0.0025	2.5	0.25	18	64	E500074
						237.0	238.0	1	0.006	2.5	0.25	29	129	E500076
						238.0	239.0	1	0.0025	2.5	0.25	13	39	E500077
						239.0	240.0	1	0.009	2.5	0.25	33	65	E500078
						240.0	241.0	1	0.016	2.5	0.25	78	132	E500079
						241.0	242.0	1	0.039	2.5	0.25	45	165	E500080
						242.0	243.0	1	0.009	2.5	0.25	58	166	E500081
						243.0	244.0	1	0.0025	2.5	0.25	15	217	E500082

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-017

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Oct-06-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	THOMAS CLARK	**End Date:**	Oct-10-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	9	**Drill Company:**	Major Drilling	**Easting:**	504,777
Orient:	ACT III	**EOH:**	395			**Northing:**	5,507,684
Hole Status:	INPROGRESS	**Logged Depth:**	395			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**9.32**	**OB, OVERBURDEN**												

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour
9.32	**37.39**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	VERY FINE	LIGHT GREY

Intermediate Volcanic, intensely altered, predominatley light grey with red potassic altered intervals, very fine grained to aphanitic, weak foliation throughout with intensely sil altered intervals (15.45-21.06m) displaying a pseudo-breccia texture with rare brecciating 0.1-0.5cm qtz veins. Unit displays strong to intense alteration throughout. Pervasive silica alteration muddling protolith texture. Intervals (13-15.45m, 31.46-37.39m) display an almost IVCL texture with less altered 'clasts' within an intensely bleached groundmass, this is likely semi-pervasive silica alteration producing this texture- ser alteration is strongest in these intervals. Pyrite mineralization in unit varies from 1-8% occurring as irregular wisps and 0.5cm clusts/blebs. Mineralization is most abundant in strong silica altered intervals (not intense) with highest abundance (8%)occurring in strongly potassic altered interval with irregular qtz-carb veins (29.25-30.39m) Rare quartz veins within unit most notable a vein set made up of 5 1-5cm qtz-tor-carb vns with similar orientations. Potential intrusion from 33.25-34.02m- interval doesn't display silica alteration seen above and below. Gradational lower contact of unit.

18.89 - 19.42 : Quartz Vein, Vein set made up of 5 1-5cm qtz-carb veins within silica bleached host rock

From	To	Length	Au	As	Ag	Cu	Zn	Sample
9.32	10.0	0.68	0.249	7	0.25	4	33	E500083
10.0	11.0	1	0.005	2.5	0.25	3	30	E500084
11.0	11.5	0.5	0.005	2.5	0.25	3	32	E500085
11.5	12.0	0.5	0.0025	2.5	0.25	2	34	E500086
12.0	13.0	1	0.0025	2.5	0.25	3	26	E500087
13.0	14.0	1	0.005	8	0.25	1	22	E500089
14.0	14.8	0.8	0.0025	2.5	0.25	2	28	E500090
14.8	15.45	0.65	0.005	2.5	0.25	2	29	E500091
15.45	16.0	0.55	0.044	2.5	0.25	1	10	E500092
16.0	17.0	1	0.052	2.5	0.25	1	13	E500093
17.0	18.0	1	0.0025	2.5	0.25	1	31	E500094
18.0	18.9	0.9	0.0025	2.5	0.25	1	15	E500095
18.9	19.65	0.75	0.037	2.5	0.25	1	11	E500096
19.65	20.4	0.75	0.016	2.5	0.25	2	11	E500097
20.4	21.06	0.66	0.0025	2.5	0.25	2	15	E500098
21.06	22.0	0.94	0.0025	2.5	0.25	2	17	E500099
22.0	23.0	1	0.043	2.5	0.25	4	18	E500100
23.0	24.0	1	0.008	2.5	0.5	1	11	E500101
24.0	25.0	1	0.0025	2.5	0.5	1	20	E500103
25.0	26.0	1	0.0025	2.5	0.25	1	24	E500104
26.0	27.0	1	0.0025	2.5	0.5	1	18	E500105
27.0	28.0	1	0.0025	2.5	0.25	1	23	E500106
28.0	28.6	0.6	0.0025	2.5	0.25	1	63	E500107
28.6	29.25	0.65	0.0025	2.5	0.25	2	64	E500108
29.25	30.3	1.05	0.0025	2.5	0.25	3	19	E500109
30.3	31.0	0.7	0.0025	2.5	0.25	4	26	E500110
31.0	32.0	1	0.0025	2.5	0.25	2	47	E500111
32.0	33.0	1	0.0025	2.5	0.25	0.5	30	E500112
33.0	34.02	1.02	0.0025	2.5	0.25	62	79	E500113
34.02	35.0	0.98	0.0025	2.5	0.25	1	26	E500114
35.0	36.0	1	0.0025	2.5	0.25	1	34	E500115

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						36.0	37.0	1	0.0025	2.5	0.25	1	37	E500117
						37.0	38.0	1	0.016	2.5	0.25	3	28	E500118
37.39	**42.66**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	37.0	38.0	1	0.016	2.5	0.25	3	28	E500118
IV, light grey, very fine grained to aphanitic, foliated to massive (glassy due to silica alt), strong pervasive sil alteration muddling grain boundaries, gradational upper contact and sharp lower contact with IV. 1-3% wispy py most abundant proximal to rare 0.5-1cm qtz veins. Patchy weak potassic alteration early in unit.						38.0	39.0	1	0.0025	2.5	0.5	2	16	E500119
						39.0	40.0	1	0.0025	2.5	0.25	2	22	E500120
						40.0	40.5	0.5	0.007	2.5	0.25	13	27	E500121
						40.5	41.0	0.5	0.0025	2.5	0.25	4	31	E500122
						41.0	42.0	1	0.0025	2.5	0.25	6	33	E500123
						42.0	42.66	0.66	0.024	2.5	0.25	6	32	E500124
42.66	**46.41**	**MD, MAFIC DYKE**	MASSIVE	FINE	GREY	42.66	43.4	0.74	0.0025	2.5	0.25	49	174	E500125
Mafic dyke, dark grey, fine grained (with rare course grained intervals), massive, moderate magnetism, sharp upper and lower contacts slightly undulating.						43.4	44.0	0.6	0.0025	2.5	0.25	53	174	E500126
						44.0	45.0	1	0.0025	2.5	0.25	32	127	E500127
						45.0	45.8	0.8	0.0025	2.5	0.25	44	154	E500128
						45.8	46.4	0.6	0.0025	2.5	0.25	52	180	E500129
						46.4	47.0	0.6	0.0025	2.5	0.25	4	47	E500131
46.41	**57.09**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	46.4	47.0	0.6	0.0025	2.5	0.25	4	47	E500131
IV, very fine grained, grey-green to light grey, massive (glassy in areas in strong silica alteration), pervasive moderate silica increasing to strong in short intervals, patchy albite alteration occurring with strong silica, rare qtz-carb-tor veins 0.5-1 cm. Pyrite mineralization occurring in localized clusters 4-8% over 20-25cm intervals; 1% disseminated through unit. 40cm mafic intrusion similar composition to above intrusion (47.35-47.78m). Sharp upper and lower contacts						47.0	48.0	1	0.0025	2.5	0.25	22	97	E500132
						48.0	49.0	1	0.0025	2.5	0.25	60	41	E500133
						49.0	50.0	1	0.0025	2.5	0.25	1	31	E500134
						50.0	51.0	1	0.006	2.5	0.25	1	37	E500135
						51.0	51.6	0.6	0.012	6	0.25	9	42	E500136
						51.6	52.2	0.6	0.0025	2.5	0.25	1	19	E500137
						52.2	53.0	0.8	0.0025	2.5	0.25	1	22	E500138
						53.0	54.0	1	0.007	2.5	0.5	2	25	E500140
						54.0	54.5	0.5	0.052	2.5	0.25	1	24	E500142
						54.5	55.0	0.5	0.0025	2.5	0.25	29	106	E500143
						55.0	56.0	1	0.008	2.5	0.25	9	52	E500144
						56.0	57.09	1.09	0.074	2.5	0.25	4	37	E500145

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
57.09	**58.82**	**MD, MAFIC DYKE**	MASSIVE	FINE	DARK GREY	57.09	58.0	0.91	0.0025	2.5	0.25	46	162	E500146
Mafic Dyke, black-dark grey, grain size grades from aphanitic to medium grained, sharp upper and lower contacts, 3% pyrite occuring as mg grains in aphanitic ground mass to medium ground mass. This unit is consistent with intrusion seen on upper and lower contacts of the gabbro in other holes.						58.0	58.82	0.82	0.0025	2.5	0.25	43	169	E500147
58.82	**76.2**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREEN-GREY	58.82	59.5	0.68	0.009	2.5	0.25	3	30	E500148
IV, very fine grained, grey-green to light grey, massive (glassy in areas in strong silica alteration), pervasive moderate silica increasing to strong around fractures with albite, rare qtz-carb-tor-epi veins 0.5-4 cm. Pyrite mineralization 1-2% disseminated through unit with occasional wisps increasing around rare veins. 8% py occurring in isolated interval as a cluster of wisps 74.95-75.10m Weak epidote alteration appears near end of unit frc. Sharp upper and lower contacts,						59.5	60.0	0.5	0.0025	2.5	0.25	8	47	E500149
						60.0	61.0	1	0.005	2.5	0.25	8	44	E500150
						61.0	62.0	1	0.0025	2.5	0.25	7	44	E500151
						62.0	63.0	1	0.0025	2.5	0.25	5	23	E500152
						63.0	64.0	1	0.0025	8	0.25	6	41	E500154
						64.0	65.0	1	0.019	2.5	0.25	2	36	E500155
						65.0	66.0	1	0.212	2.5	0.25	5	40	E500156
						66.0	67.0	1	0.0025	2.5	0.25	2	39	E500157
						67.0	68.0	1	0.04	2.5	0.25	1	35	E500158
						68.0	69.0	1	0.109	2.5	0.25	4	38	E500159
						69.0	69.6	0.6	0.05	2.5	0.25	5	34	E500160
						69.6	70.4	0.8	0.036	2.5	0.25	5	39	E500161
						70.4	71.0	0.6	0.0025	2.5	0.25	4	38	E500162
						71.0	71.5	0.5	0.012	2.5	0.25	10	34	E500163
						71.5	72.4	0.9	0.0025	2.5	0.25	13	36	E500164
						72.4	73.1	0.7	0.0025	2.5	0.25	8	37	E500165
						73.1	74.0	0.9	0.0025	2.5	0.25	8	33	E500167
						74.0	75.0	1	0.0025	2.5	0.25	22	51	E500168
						75.0	75.6	0.6	0.02	6	0.25	14	48	E500169
						75.6	76.2	0.6	0.0025	2.5	0.25	2	37	E500170
76.2	**142.7**	**GAB, GABBRO**	MASSIVE	MEDIUM	DARK GREY	76.2	77.0	0.8	0.006	2.5	0.25	50	147	E500171
Gabbro, light green-black, grain size grades from fine near upper contact to coarse. magnetic, massive or varitextured, Lower contact alternates between cg and fg and hosts a later mafic intrusion from from 140-142.7m, sharp upper and lower contacts. Consistent with Gabbros seen throughout the Lone Jack area						141.0	141.7	0.7	0.009	2.5	0.25	46	162	E500172
						141.7	142.4	0.7	0.0025	2.5	0.25	2	22	E500173
						142.4	143.0	0.6	0.0025	2.5	0.25	1	24	E500174

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From	To	Lithology	Texture	Grain Size	Colour
142.7	**192.25**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY

IV, very fine grained, grey-green to light grey, massive (glassy in areas in strong silica alteration), pervasive moderate-intense silica alteration, patchy albite alteration occurring with strong silica; stronger silica altered areas displaying a green tinge possibly ser alteration occuring?, rare qtz-carb-tor veins 1-4cm smaller veins slightly irregular with more carbonate. Pyrite mineralization varies through unit occurring in localized clusters-wisps 2-4% (in short intervals) and disseminated throughout 1% mineralization increases in altered host rock proximal to quartz veins- disseminated pyrite often occurring as 1-3mm euhedral grains.. 60cm alteration-deformation zone 154.66-155.27m interval hosts mod ser, pot, sil alteration with 0.2-6 cm qtz-carb-py veins throughout (30% of unit) with smaller veins displayings vuggs. 0.2-0.5cm carb fractures occurring in moderate abundance 152-162m., 182-193). Weak Breccia texture displayed in areas with strong sil-pot alteration brecciated by dark (chl) alt? (168.52-170.34m, 173.70-174.32m, 174.58-175.10). Lower contact grades into deformation zone as alteration intensifies.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
142.4	143.0	0.6	0.0025	2.5	0.25	1	24	E500174
143.0	144.0	1	0.0025	2.5	0.25	3	23	E500175
144.0	145.0	1	0.0025	2.5	0.25	6	28	E500176
145.0	146.0	1	0.0025	2.5	0.25	6	27	E500177
146.0	147.0	1	0.0025	2.5	0.25	4	32	E500178
147.0	148.0	1	0.0025	2.5	0.25	50	33	E500180
148.0	149.0	1	0.0025	2.5	0.25	8	29	E500181
149.0	150.0	1	0.0025	2.5	0.25	5	22	E500182
150.0	151.0	1	0.0025	2.5	0.25	4	37	E500183
151.0	152.0	1	0.03	2.5	0.25	2	42	E500184
152.0	153.0	1	0.143	2.5	0.25	2	36	E500185
153.0	154.0	1	0.02	2.5	0.25	3	35	E500186
154.0	154.6	0.6	0.0025	2.5	0.25	6	29	E500187
154.6	155.3	0.7	0.997	13	0.25	4	20	E500188
155.3	156.0	0.7	0.009	2.5	0.25	4	30	E500189
156.0	157.0	1	0.804	2.5	0.25	4	26	E500190
157.0	158.0	1	0.037	2.5	0.25	87	49	E500191
158.0	159.0	1	0.016	2.5	0.25	38	66	E500193
159.0	160.0	1	0.156	8	0.5	27	44	E500194
160.0	161.0	1	0.0025	2.5	0.25	6	30	E500195
161.0	162.0	1	0.006	2.5	0.5	6	29	E500196
162.0	163.0	1	0.005	2.5	0.25	33	33	E500197
163.0	164.0	1	0.0025	2.5	0.25	12	39	E500198
164.0	165.0	1	0.0025	2.5	0.25	3	33	E500199
165.0	166.0	1	0.0025	2.5	0.25	1	33	E500200
166.0	167.0	1	0.0025	2.5	0.25	2	36	E500201
167.0	168.0	1	0.052	2.5	0.25	1	33	E500202
168.0	168.52	0.52	0.0025	2.5	0.25	2	30	E500203
168.52	169.02	0.5	0.03	2.5	0.25	9	23	E500204
169.02	170.0	0.98	0.0025	2.5	0.25	10	23	E500205
170.0	171.0	1	0.005	7	0.25	10	27	E500207

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						171.0	172.0	1	0.016	2.5	0.25	7	26	E500208
						172.0	173.0	1	0.0025	2.5	0.25	2	24	E500209
						173.0	174.0	1	0.0025	2.5	0.25	4	25	E500210
						174.0	175.0	1	0.007	2.5	0.25	15	26	E500211
						175.0	176.0	1	0.0025	2.5	0.25	10	24	E500212
						176.0	177.0	1	0.095	6	0.25	6	29	E500213
						177.0	178.0	1	0.008	2.5	0.25	4	30	E500214
						178.0	179.0	1	0.012	2.5	0.25	2	34	E500215
						179.0	180.0	1	0.0025	2.5	0.25	5	33	E500216
						180.0	181.0	1	0.0025	2.5	0.25	6	28	E500218
						181.0	182.0	1	0.0025	2.5	0.25	7	31	E500219
						182.0	183.0	1	0.039	2.5	0.25	8	43	E500220
						183.0	184.0	1	0.0025	2.5	0.25	6	49	E500221
						184.0	185.0	1	0.007	2.5	0.25	15	64	E500222
						185.0	186.0	1	0.029	2.5	0.25	6	42	E500223
						186.0	187.0	1	0.028	2.5	0.25	32	38	E500224
						187.0	187.55	0.55	0.133	2.5	0.25	5	27	E500225
						187.55	188.2	0.65	0.016	2.5	0.25	9	42	E500226
						188.2	189.0	0.8	0.007	2.5	0.25	18	51	E500227
						189.0	190.0	1	0.011	2.5	0.25	13	31	E500228
						190.0	191.0	1	0.018	2.5	0.25	13	35	E500230
						191.0	192.0	1	0.007	2.5	0.25	11	32	E500231
						192.0	193.0	1	0.006	2.5	0.25	7	40	E500232

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From	To	Lithology	Texture	Grain Size	Colour
192.25	**202.91**	**IV, INTERMEDIATE VOLCANIC**	BLEACHED	APHANITIC	CREAM

Deformation Zone (IV), very fine grained to aphanitic, white-light grey-beige, strongly deformed-glassy texture in areas of intense silica alt, high abundance of veining with varying widths (1-110cm), assemblage, orientation. Most notable: 195.35-195.68m vein set made up of 1-4cm qtz-carb-py veins of similar orientation but slightly irregular with strongly altered host rock. 195.95-196.13m: 18cm qtz-ser-carb-tor-py vn with strong deformation-shearing on upper and lower contacts py occurring along deformed margins. 200.6-202.54m 195cm qtz-carb-tor-py-hem vein, 75% vein material and 25% intensely altered host rock, py occurring along ser-tor wisps in vein and within strongly altered wallrock inclusions. Altered host rock displays vfg disseminated pyrite throughout 7-8%. Gradational upper and lower contacts as alteration grades in and out.

200.6 - 202.54 : Quartz Vein, 195cm qtz-carb-tor-py-hem vein, 75% vein material and 25% intensely altered host rock, py occurring along ser-tor wisps in vein and within strongly altered wallrock inclusions. Irregular lower contact

From	To	Length	Au	As	Ag	Cu	Zn	Sample
192.0	193.0	1	0.006	2.5	0.25	7	40	E500232
193.0	193.5	0.5	0.0025	2.5	0.25	4	40	E500234
193.5	194.0	0.5	0.03	5	0.25	5	26	E500235
194.0	194.6	0.6	0.0025	2.5	0.25	4	30	E500236
194.6	195.25	0.65	0.005	2.5	0.25	4	36	E500237
195.25	195.75	0.5	0.264	7	0.6	18	47	E500238
195.75	196.4	0.65	0.075	5	0.8	34	41	E500239
196.4	197.0	0.6	0.249	6	0.9	24	45	E500240
197.0	198.0	1	0.149	2.5	0.8	9	89	E500241
198.0	199.0	1	0.191	2.5	1.2	8	52	E500242
199.0	199.6	0.6	0.103	2.5	0.5	13	33	E500244
199.6	200.1	0.5	0.412	7	0.7	20	40	E500245
200.1	200.6	0.5	0.136	2.5	0.25	18	27	E500246
200.6	201.2	0.6	0.236	2.5	0.25	1	3	E500247
201.2	202.0	0.8	0.757	8	0.6	5	12	E500248
202.0	202.55	0.55	0.41	13	0.25	14	7	E500249
202.55	203.0	0.45	0.829	10	0.25	33	32	E500250

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From	To	Lithology	Texture	Grain Size	Colour
202.91	**248**	**DIOR, DIORITE**	MASSIVE	MEDIUM	LIGHT GREY

Diorite-Tonalite, medium grained, grey-light grey, massive-strongly deformed, unit is strongly silica altered throughout, reliced equigranular-granitic texture observed, protolith composition likely dioritic with strong silica alteration now displaying a tonalite-quartz diorite comp. High abundance of veining throughout unit. Veins range width 1-6cm with no dominate orientation all with similar assemblages (qtz-carb-tor-py) with varying abundances of each mineral. Veins occasionally occur in sets of 3-4 proximal 1-4cm veins. Veins predominantly brittle with multiple cross-cutting veins in short intervals creating weak breccia texture. Potassic alteration within proximal wallrock commonly occurring with 4-8% diss py. Rare vuggs observed in cm scale veins. Pyrite min diss throughout increasing near abundant veins, fracture-fill mineralization early in unit, wispy and large clusters along margins of veins (6-12%). Deformed vein zone from 237.82-238.92m consisting of 70% strongly altered (sil-pot) host rock and 30% vein material. Veins in interval are irregular and cross-cutting producing weak breccia texture-qtz-tor-py-carb assemblage. 8% disseminated pyrite- 6% occurring as blebls-clusters on vein margins. Gradational upper contact with deformation zone and sharp lower contact.

227.95 - 228.26 : Quartz Vein, Vein set, 3,6cm qtz-carb-tor veins

236.65 - 237.03 : Quartz Vein, Vein set made up of 5- 1-4cm qtz-py veins, large py clusters in veins and in proximal host rock

237.82 - 238.92 : Quartz Vein, Deformed vein zone consisting of 70% strongly altered (sil-pot) host rock and 30% vein material. Veins in interval are irregular and cross-cutting producing weak breccia texture-qtz-tor-py-carb assemblage. 8% disseminated pyrite- 6% occurring as blebs-clusters on vein margins.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
202.55	203.0	0.45	0.829	10	0.25	33	32	E500250
203.0	204.0	1	0.651	10	0.25	10	67	E500251
204.0	205.0	1	1.25	15	0.8	44	59	E500252
205.0	206.0	1	0.068	5	0.25	23	15	E500253
206.0	207.0	1	0.372	2.5	0.8	21	14	E500254
207.0	207.8	0.8	1.535	9	1	15	19	E500255
207.8	208.8	1	0.553	13	0.7	33	20	E500257
208.8	209.5	0.7	1.705	16	1.3	12	25	E500258
209.5	210.0	0.5	0.064	5	0.25	17	47	E500259
210.0	211.0	1	3.76	2.5	0.9	58	37	E500260
211.0	212.0	1	0.212	6	0.8	20	41	E500261
212.0	213.0	1	0.362	2.5	0.25	26	52	E500262
213.0	214.0	1	0.79	6	0.25	24	40	E500263
214.0	215.0	1	0.857	2.5	0.5	16	41	E500264
215.0	215.9	0.9	0.552	7	0.6	38	24	E500266
215.9	216.85	0.95	4.71	2.5	1.7	47	36	E500267
216.85	217.5	0.65	0.308	7	0.8	29	32	E500268
217.5	218.0	0.5	3.82	6	0.7	33	28	E500270
218.0	219.0	1	0.375	6	0.5	30	36	E500271
219.0	220.0	1	0.439	2.5	0.5	37	41	E500272
220.0	220.8	0.8	1.405	9	0.7	27	51	E500273
220.8	221.55	0.75	0.426	2.5	0.8	18	48	E500274
221.55	222.1	0.55	0.683	11	0.7	23	27	E500275
222.1	223.0	0.9	0.326	5	0.8	37	44	E500276
223.0	223.75	0.75	0.408	5	0.25	24	52	E500277
223.75	224.75	1	0.349	7	0.25	16	26	E500278
224.75	225.5	0.75	0.514	8	0.25	23	23	E500279
225.5	226.0	0.5	1.06	2.5	0.25	23	22	E500280
226.0	227.0	1	1.56	8	2.8	16	23	E500281
227.0	227.8	0.8	1.055	8	0.5	13	21	E500283
227.8	228.5	0.7	0.178	2.5	0.25	22	21	E500284

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From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						228.5	229.1	0.6	0.186	5	0.25	18	36	E500285
						229.1	229.9	0.8	1.075	9	0.5	17	36	E500286
						229.9	230.5	0.6	0.574	2.5	0.25	11	34	E500287
						230.5	231.4	0.9	0.13	6	0.25	8	25	E500288
						231.4	232.0	0.6	0.119	2.5	0.25	12	27	E500289
						232.0	233.0	1	0.093	2.5	0.25	9	30	E500290
						233.0	234.0	1	0.267	2.5	0.25	6	23	E500291
						234.0	235.0	1	0.091	2.5	0.25	9	15	E500292
						235.0	236.0	1	0.048	2.5	0.25	9	17	E500293
						236.0	236.5	0.5	0.897	8	0.5	9	24	E500294
						236.5	237.3	0.8	0.517	12	0.6	21	33	E500296
						237.3	237.82	0.52	0.475	12	0.25	11	25	E500297
						237.82	238.92	1.1	5.36	10	0.25	7	15	E500298
						238.92	240.0	1.08	0.009	2.5	0.25	19	26	E500299
						240.0	241.0	1	0.034	2.5	0.25	15	25	E500300
						241.0	242.0	1	0.207	2.5	0.25	42	29	E500301
						242.0	242.5	0.5	0.114	2.5	0.25	28	16	E500302
						242.5	243.0	0.5	1.545	2.5	0.25	25	27	E500303
						243.0	244.0	1	0.151	2.5	0.25	6	42	E500304
						244.0	245.0	1	0.119	2.5	0.25	7	12	E500305
						245.0	246.0	1	0.151	2.5	0.25	7	22	E500306
						246.0	246.6	0.6	0.033	2.5	0.25	5	18	E500307
						246.6	247.3	0.7	0.076	2.5	0.25	13	15	E500308
						247.3	248.0	0.7	0.038	2.5	0.25	12	22	E500310

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour
248	**313.51**	**IV, INTERMEDIATE VOLCANIC**	FOLIATED	FINE	GREY

IV, fine to medium grained, grey-light grey, massive texture with weak foliation displayed in areas of increased deformation. Alteration consistent throughout unit with granitic intervals showing less silica alteration. Hairline carb fractures present in moderate abundances througout unit- most common in areas of increased (mod) silica alteration. Unit displays multiple granitic textured intervals, likely small offshoot dykes stemming from the Dioritic body observed uphole. These granitic intervals are seen both with dioritic and gabbroic composition. (258.97-260.63, 272.71-274.88, 277.05-279). Pyrite mineralization in unit is predominately seen as large clusters-wisps along quartz veins 2-6cm. Py also extends into alteration halos of veins. Abundant veining through unit ranging from 1-70cm, most abundant are 1-5cm qtz-carb-py veins with similar orientations. Veins occasionally seen in brittle-irregular sets with strong silica alteration halos. Most notable a veined zone from 303.39-304.57m made up of 80% vein materaial and 20% moderate to intensely altered host rock. Two dominate veins in interval: 303.39-303.55m 15cm qtz-carb-alb-tor-py vein, 205.73-304.57m 70+cm qtz-carb-ser-py-tor vn. euhedreal and vfg py wisps suggesting regrowth of py.

Sharp upper and lower contact. 3cm qtz-carb-py-tor occurring along lower contact with QFP.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
248.0	249.0	1	0.009	2.5	0.25	139	28	E500311
249.0	250.0	1	0.011	2.5	0.25	104	31	E500312
250.0	251.0	1	0.254	2.5	0.25	38	23	E500313
251.0	252.0	1	0.031	2.5	0.25	21	34	E500314
252.0	253.0	1	0.058	2.5	0.25	19	37	E500315
253.0	254.0	1	0.025	2.5	0.25	38	62	E500316
254.0	255.0	1	0.008	2.5	0.25	34	44	E500317
255.0	256.0	1	0.024	2.5	0.25	13	35	E500318
256.0	257.0	1	0.0025	2.5	0.8	11	40	E500319
257.0	258.0	1	0.017	2.5	0.25	62	78	E500320
258.0	259.0	1	0.03	2.5	0.25	34	36	E500321
259.0	260.0	1	0.028	8	0.25	23	40	E500323
260.0	260.63	0.63	0.291	6	0.25	20	21	E500324
260.63	261.3	0.67	0.07	5	0.25	30	52	E500325
261.3	262.0	0.7	0.11	2.5	0.25	38	47	E500326
262.0	263.0	1	0.11	2.5	0.25	29	45	E500327
263.0	264.0	1	0.147	2.5	0.25	17	41	E500328
264.0	265.0	1	0.005	2.5	0.25	20	43	E500329
265.0	266.0	1	0.098	2.5	0.25	73	33	E500330
266.0	267.0	1	0.402	5	0.25	34	41	E500331
267.0	268.0	1	0.016	2.5	0.25	19	40	E500332
268.0	269.0	1	0.369	2.5	0.25	28	52	E500333
269.0	270.0	1	0.41	2.5	0.5	151	69	E500334
270.0	271.0	1	0.048	2.5	0.25	83	57	E500335
271.0	272.0	1	0.0025	2.5	0.25	59	43	E500337
272.0	273.0	1	0.019	2.5	0.25	25	39	E500338
273.0	274.0	1	0.005	2.5	0.25	27	32	E500339
274.0	275.0	1	0.0025	2.5	0.25	31	38	E500340
275.0	276.0	1	0.017	2.5	0.25	69	40	E500341
276.0	277.0	1	0.095	2.5	0.25	33	43	E500342
277.0	278.0	1	0.0025	2.5	0.25	29	38	E500343

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						278.0	279.0	1	0.005	2.5	0.25	14	36	E500344
						279.0	280.0	1	0.012	2.5	0.25	28	35	E500345
						280.0	281.0	1	0.064	2.5	0.25	35	45	E500346
						281.0	281.7	0.7	2.93	2.5	0.6	62	40	E500347
						281.7	282.3	0.6	0.38	6	0.25	26	30	E500348
						282.3	282.9	0.6	0.007	2.5	0.25	34	44	E500349
						282.9	283.4	0.5	0.258	2.5	0.5	104	39	E500351
						283.4	284.0	0.6	0.164	2.5	0.25	52	41	E500352
						284.0	285.0	1	0.06	2.5	0.25	15	43	E500353
						285.0	286.0	1	0.019	2.5	0.25	13	42	E500354
						286.0	286.85	0.85	0.089	2.5	0.25	154	43	E500355
						286.85	287.5	0.65	0.051	2.5	0.25	20	40	E500356
						287.5	288.0	0.5	0.009	2.5	0.25	21	44	E500357
						288.0	289.0	1	0.021	2.5	0.25	28	42	E500358
						289.0	290.0	1	0.007	2.5	0.25	17	41	E500359
						290.0	291.0	1	0.036	2.5	0.25	224	41	E500360
						291.0	292.0	1	0.008	2.5	0.25	11	38	E500361
						292.0	293.0	1	0.121	2.5	0.25	23	42	E500362
						293.0	294.0	1	0.011	2.5	0.25	14	41	E500363
						294.0	295.0	1	0.16	2.5	0.25	28	42	E500365
						295.0	296.0	1	0.111	2.5	0.25	22	47	E500366
						296.0	297.0	1	0.096	2.5	0.25	22	42	E500367
						297.0	298.0	1	0.163	2.5	0.25	21	43	E500368
						298.0	299.0	1	0.114	2.5	0.25	15	45	E500369
						299.0	300.0	1	0.009	2.5	0.25	30	47	E500370
						300.0	301.0	1	0.024	2.5	0.25	22	48	E500372
						301.0	302.0	1	0.463	2.5	0.25	21	48	E500374
						302.0	302.7	0.7	0.069	2.5	0.25	40	59	E500375
						302.7	303.2	0.5	0.089	2.5	0.25	23	47	E500376
						303.2	303.7	0.5	0.558	11	0.25	8	28	E500377
						303.7	304.15	0.45	2.71	20	0.7	8	14	E500378

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						304.15	304.6	0.45	0.457	12	0.5	5	20	E500379
						304.6	305.1	0.5	0.058	2.5	0.25	70	74	E500380
						305.1	306.0	0.9	0.019	2.5	0.25	63	73	E500381
						306.0	307.0	1	0.414	2.5	0.25	55	91	E500382
						307.0	307.9	0.9	0.009	2.5	0.25	41	89	E500383
						307.9	308.5	0.6	0.781	6	0.25	63	54	E500384
						308.5	309.0	0.5	0.014	2.5	0.25	53	93	E500385
						309.0	310.0	1	0.0025	2.5	0.25	41	84	E500386
						310.0	311.0	1	0.0025	5	0.25	57	81	E500388
						311.0	312.0	1	0.0025	2.5	0.25	37	86	E500389
						312.0	313.0	1	0.0025	2.5	0.25	46	95	E500390
						313.0	313.51	0.51	0.122	2.5	0.7	54	77	E500391
313.51	**320.16**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	BEIGE	313.51	314.0	0.49	0.04	2.5	0.25	5	19	E500392
QFP, medium grained, beige. porphyritic texture, sharp upper and lower contacts, rare abundance of 1-3 cm qtz-carb-py veins,						314.0	315.0	1	0.012	2.5	0.25	6	44	E500393
						315.0	316.0	1	0.006	2.5	0.25	7	45	E500394
						316.0	317.0	1	0.007	2.5	0.25	6	40	E500395
						317.0	318.0	1	0.005	2.5	0.25	6	39	E500396
						318.0	319.0	1	0.019	2.5	0.25	7	29	E500397
						319.0	319.6	0.6	0.045	2.5	0.25	8	26	E500398
						319.6	320.16	0.56	0.017	2.5	0.25	6	24	E500399

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
320.16	**332.65**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	LIGHT GREY	320.16	321.0	0.84	0.0025	2.5	0.25	35	55	E500401
IV, fine to very fine grained, grey to light grey, massive with weak foliation displayed in rare intervals, moderate abundance of brittle 1-6cm qtz-carb-tor veins often occurring in cross cutting sets with intense silica alteration halos. 1-6% bleb vfg-euhedreal py along vein margins. Py also occurring disseminated throughout unit and along hairline fractures. sharp upper and lower contacts with QFP. Alteration is consistent with what is seen in IV units seen through the Lone Jack area. Silica-ser alteration increases with proximity to lower contact						321.0	322.0	1	0.0025	2.5	0.25	53	75	E500402
						322.0	323.0	1	0.019	2.5	0.25	51	81	E500403
						323.0	324.0	1	0.05	2.5	0.25	64	59	E500404
						324.0	325.0	1	0.291	2.5	0.25	46	59	E500405
						325.0	326.0	1	0.028	2.5	0.25	18	57	E500406
						326.0	327.0	1	0.069	2.5	0.25	21	59	E500407
						327.0	327.5	0.5	1.7	10	0.6	27	35	E500408
						327.5	328.0	0.5	0.408	11	0.25	22	56	E500409
						328.0	329.0	1	0.032	2.5	0.25	21	52	E500410
						329.0	330.0	1	0.284	2.5	0.5	27	86	E500411
						330.0	331.0	1	0.175	2.5	0.25	34	51	E500412
						331.0	332.0	1	0.212	10	0.25	46	39	E500414
						332.0	332.65	0.65	0.145	5	0.25	29	58	E500415
332.65	**345.66**	**QFP, Quartz-Feldspar Porphyry**	PORPHYRITIC	MEDIUM	BEIGE	332.65	333.2	0.55	0.021	2.5	0.25	2	17	E500416
QFP, medium grained, beige. porphyritic texture, sharp upper and lower contacts, high abundance of 1-40 cm qtz-carb-py veins predominantly 1-3cm, Most notable (339.94-339.76m) 40cm qtz-carb-ser-py vn. patchy ser-pot alteration. Sharp upper and lower contacts. Possible volcanic inclusions from 338.76-339.94m ser alteration displaying altered volcanic texture.						333.2	334.0	0.8	0.007	2.5	0.25	4	36	E500417
						334.0	335.0	1	0.005	2.5	0.25	6	164	E500418
						335.0	336.0	1	0.006	2.5	0.25	3	35	E500420
339.94 - 340.35 : Quartz Vein, 40cm qtz-carb-ser-py vn						336.0	337.0	1	0.02	2.5	0.25	14	41	E500421
						337.0	338.0	1	0.024	2.5	0.25	4	32	E500422
						338.0	338.76	0.76	0.008	2.5	0.25	3	163	E500423
						338.76	339.4	0.64	0.017	2.5	0.25	51	572	E500424
						339.4	339.94	0.54	0.136	2.5	0.25	45	72	E500425
						339.94	340.45	0.51	0.119	2.5	0.25	2	12	E500427
						340.45	341.0	0.55	0.008	2.5	0.25	4	24	E500428
						341.0	342.0	1	0.012	2.5	0.25	4	24	E500429
						342.0	343.0	1	0.047	2.5	0.25	5	26	E500430
						343.0	344.0	1	0.011	2.5	0.25	5	22	E500431
						344.0	345.0	1	0.019	2.5	0.25	7	24	E500432
						345.0	345.66	0.66	0.014	2.5	0.25	11	18	E500433

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour
345.66	**395**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY

IV, fine to very fine grained, grey to light grey, massive with weak foliation displayed in rare intervals, moderate abundance of brittle 1-6cm qtz-carb-tor veins often occurring in cross cutting sets with intense silica alteration halos.
3-12% bleb-wispy py along vein margins and proximal fractures. 0.5-1% disseminated pyrite throughout.
347.11-347.69m 30cm qtz-py-carb-ser-electrum? vn, sharp upper and lower contacts but slightly differing orientations. 10% py with steely metallic mineral splashed in between large py clusters- possible galena.
382.94-383.20 25cm qtz-carb-chl-tor-py 1% euhedral py. irregular cross-cutting stringers on lower contacts.
368.17-368.90 qtz-carb-tor-py vein set made up of 4 2-8cm veins. 10% fracture-fill py throughout interval, strong silica-potassic alteration halos around veins.
sharp upper contact with QFP. Alteration is consistent with what is seen in IV units seen through the Lone Jack area.
Occasional gabbroic textured-compositioned intervals in later portions of unit (378.64-381.50, 383.2-387.35m)

368.17 - 368.9 : Quartz Vein, qtz-carb-tor-py vein set made up of 4 2-8cm veins. 10% fracture-fill py throughout interval, strong silica-potassic alteration halos around veins.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
345.66	346.2	0.54	0.034	2.5	0.25	53	72	E500434
346.2	347.25	1.05	0.036	2.5	0.25	58	77	E500435
347.25	347.85	0.6	2.54	21	16.9	61	53	E500436
347.85	348.6	0.75	0.205	2.5	0.25	68	76	E500437
348.6	349.2	0.6	0.058	2.5	0.7	198	220	E500438
349.2	350.0	0.8	0.165	2.5	0.25	39	69	E500439
350.0	351.0	1	0.091	5	0.25	42	61	E500441
351.0	352.0	1	0.055	2.5	0.25	38	106	E500442
352.0	353.0	1	0.008	2.5	0.25	77	79	E500443
353.0	354.0	1	0.0025	2.5	0.25	11	48	E500444
354.0	355.0	1	0.039	2.5	0.25	41	65	E500445
355.0	356.0	1	0.084	2.5	0.25	46	56	E500446
356.0	357.0	1	0.029	2.5	0.25	25	67	E500447
357.0	358.0	1	0.285	2.5	0.25	41	76	E500448
358.0	359.0	1	0.245	6	0.25	59	56	E500449
359.0	360.0	1	0.289	2.5	0.25	16	53	E500450
360.0	361.0	1	0.0025	2.5	0.25	31	49	E500452
361.0	362.0	1	0.084	2.5	0.25	9	44	E500453
362.0	363.0	1	0.009	2.5	0.25	14	65	E500454
363.0	364.0	1	0.015	2.5	0.25	20	70	E500455
364.0	364.95	0.95	0.0025	2.5	0.25	9	47	E500456
364.95	365.6	0.65	0.198	2.5	0.25	4	53	E500457
365.6	366.2	0.6	0.501	7	0.25	19	85	E500458
366.2	367.0	0.8	0.005	2.5	0.25	4	61	E500459
367.0	367.6	0.6	0.061	2.5	0.25	3	48	E500460
367.6	368.3	0.7	0.388	2.5	0.25	15	37	E500461
368.3	369.0	0.7	2.16	5	0.25	16	41	E500462
369.0	370.0	1	0.099	2.5	0.25	66	54	E500464
370.0	371.0	1	0.206	2.5	0.25	59	74	E500466
371.0	372.0	1	0.017	2.5	0.25	27	73	E500467
372.0	372.5	0.5	0.019	2.5	0.25	22	90	E500468

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-017

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						372.5	373.0	0.5	1.06	9	0.6	11	86	E500469
						373.0	373.6	0.6	0.156	2.5	0.25	24	69	E500470
						373.6	374.1	0.5	1.66	2.5	0.25	21	69	E500471
						374.1	375.0	0.9	0.022	2.5	0.25	12	69	E500472
						375.0	376.0	1	0.016	2.5	0.25	13	58	E500473
						376.0	377.0	1	0.0025	2.5	0.25	16	52	E500474
						377.0	378.0	1	0.217	2.5	0.25	50	53	E500475
						378.0	379.0	1	0.007	2.5	0.25	19	50	E500476
						379.0	380.0	1	0.007	2.5	0.25	21	51	E500478
						380.0	381.0	1	0.0025	2.5	0.25	20	53	E500479
						381.0	382.0	1	0.017	2.5	0.25	25	56	E500480
						382.0	382.5	0.5	0.057	2.5	0.25	46	57	E500481
						382.5	383.25	0.75	0.116	2.5	0.25	18	47	E500482
						383.25	384.0	0.75	0.0025	2.5	0.25	13	51	E500483
						384.0	385.0	1	0.006	2.5	0.25	20	52	E500484
						385.0	386.0	1	0.011	2.5	0.25	16	53	E500485
						386.0	387.0	1	0.0025	2.5	0.25	16	51	E500486
						387.0	388.0	1	0.0025	2.5	0.25	13	52	E500487
						388.0	389.0	1	0.03	2.5	0.25	16	51	E500488
						389.0	390.0	1	0.0025	2.5	0.25	11	51	E500489
						390.0	391.0	1	0.044	2.5	0.25	16	51	E500491
						391.0	392.0	1	0.0025	2.5	0.25	14	53	E500492
						392.0	392.6	0.6	0.273	2.5	0.25	24	47	E500493
						392.6	393.2	0.6	0.083	2.5	0.25	18	53	E500494
						393.2	394.0	0.8	0.008	2.5	0.25	44	57	E500495
						394.0	395.0	1	0.147	2.5	0.25	40	54	E500496

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

Drill Hole				Drilling		Coordinates	
Prospect:	VH-LONE JACK	**Operator:**	KGC EXPLORATION	**Start Date:**	Oct-10-2021	**Survey Method:**	HANDHELD GPS
Year:	2021	**Geologist:**	PERCY CLARK	**End Date:**	Oct-12-2021	**Grid:**	NAD83 / UTM zone 15N
Hole Size:	NQ	**Casing Depth:**	1.5	**Drill Company:**	Major Drilling	**Easting:**	504,592
Orient:	ACT III	**EOH:**	230			**Northing:**	5,507,636
Hole Status:	COMPLETE	**Logged Depth:**	230			**Elevation:**	388

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	**1.5**	**OB, OVERBURDEN**												

KINROSS

DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour
1.5	**137.7**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	GREY

IV, very fine to medium grained, grey-light grey, massive texture with weak foliation displayed in areas of increased deformation. Alteration consistent throughout unit with strong to intense silica alteration as halos around occasional quartz-py veins. Hairline-0.5cm carb fractures present in moderate abundances throughout unit.

Pyrite mineralization in unit is observed almost exclusively within silica altered halos around quartz veins. Py ranges from vfg to strong euhedral crystallization

Moderate-low abundance of veining throughout unit ranging from 1-10cm with similar orientations. Veins occasionally seen in brittle-irregular sets with strong silica alteration halos. Assemblage consistent qtz-carb-/+tor-/+py. These veins are hit obliquely likely the 300 degrees Lone Jack/Slice Crop veins. Weak breccia texture in short silica altered intervals. medium coarse grained interval from 41-47m. Sericite alteration grades in near lower contact with an increase in carb fracture abundance and size with fracture veins displaying vuggs. sharp lower contact with diorite

Most notable a veined zone from 97.6-98.7m strong silica-ser alteration deformation zone with 5% total py min. euhedral blebs and finer grained wisps. 30% vein material and 70% strongly altered wallrock. Similar altered veined intervals at (117.49-117.68, 119.47-119.71m). Deformation zone from 136.03-136.93 made up of 40cm qtz-tor-py-ser-carb vein with 6% py wisps along ser rafts in veins with 47cm of shearing-intensely deformed and sheared host rock with vfg py along foliation-shear fabric.

97.6 - 98.71 : Quartz Vein, strong silica-ser alteration deformation zone with 5% total py min. euhedral blebs and finer grained wisps. 30% vein material and 70% strongly altered wallrock.

From	To	Length	Au	As	Ag	Cu	Zn	Sample
1.5	2.35	0.85	0.424	5	0.25	5	66	E500497
2.35	3.0	0.65	0.0025	2.5	0.25	1	86	E500498
3.0	4.0	1	0.0025	2.5	0.25	12	79	E500499
4.0	5.0	1	0.0025	2.5	0.25	58	80	E500500
5.0	6.0	1	0.007	2.5	0.25	127	80	E500501
6.0	6.9	0.9	0.011	2.5	0.25	62	75	E500502
6.9	7.8	0.9	0.422	6	0.25	48	74	E500504
7.8	8.8	1	0.123	2.5	0.25	14	58	E500505
8.8	9.6	0.8	0.015	2.5	0.25	74	70	E500506
9.6	10.2	0.6	0.042	2.5	0.25	22	50	E500507
10.2	11.0	0.8	0.04	2.5	0.25	53	60	E500508
11.0	12.0	1	0.008	2.5	0.25	23	60	E500509
12.0	12.6	0.6	0.096	2.5	0.25	7	52	E500510
12.6	13.25	0.65	1.29	2.5	0.25	20	53	E500511
13.25	14.0	0.75	0.005	2.5	0.25	4	49	E500512
14.0	15.0	1	0.0025	2.5	0.25	24	60	E500513
15.0	16.0	1	0.005	2.5	0.25	23	68	E500514
16.0	16.8	0.8	0.007	2.5	0.25	13	60	E500515
16.8	17.4	0.6	0.167	2.5	0.25	29	43	E500517
17.4	18.0	0.6	0.0025	2.5	0.25	11	60	E500518
18.0	19.0	1	0.0025	2.5	0.25	18	60	E500519
19.0	20.0	1	0.0025	2.5	0.25	2	43	E500520
20.0	21.0	1	0.0025	2.5	0.25	19	67	E500521
21.0	22.0	1	0.155	6	0.25	8	58	E500522
22.0	23.0	1	0.188	2.5	0.25	13	48	E500523
23.0	24.0	1	0.009	2.5	0.25	19	53	E500524
24.0	25.0	1	0.09	2.5	0.25	147	47	E500525
25.0	26.0	1	0.007	2.5	0.25	14	51	E500526
26.0	27.0	1	0.005	2.5	0.25	5	39	E500527
27.0	27.5	0.5	1.42	5	0.25	11	34	E500528
27.5	28.1	0.6	0.352	6	0.7	5	29	E500530

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						28.1	29.0	0.9	0.079	2.5	0.25	25	36	E500531
						29.0	30.0	1	0.006	2.5	0.25	32	34	E500532
						30.0	31.0	1	0.005	2.5	0.25	41	32	E500533
						31.0	32.0	1	1.045	9	0.7	13	25	E500535
						32.0	33.0	1	0.384	8	0.25	25	33	E500536
						33.0	34.0	1	0.024	2.5	0.25	24	52	E500537
						34.0	35.0	1	0.006	2.5	0.25	11	60	E500538
						35.0	35.9	0.9	0.159	2.5	0.25	10	55	E500539
						35.9	36.4	0.5	1.23	2.5	0.25	13	57	E500540
						36.4	37.0	0.6	0.022	2.5	0.25	15	77	E500541
						37.0	38.0	1	0.04	2.5	0.25	44	88	E500542
						38.0	38.5	0.5	0.008	2.5	0.25	40	81	E500544
						38.5	39.0	0.5	0.571	2.5	0.25	26	64	E500545
						39.0	40.0	1	0.559	2.5	0.25	42	76	E500546
						65.0	65.5	0.5	0.011	2.5	0.25	16	60	E500547
						65.5	66.0	0.5	0.007	2.5	0.25	5	56	E500548
						66.0	67.0	1	0.055	2.5	0.25	7	63	E500549
						67.0	68.0	1	0.021	5	0.25	78	97	E500550
						68.0	68.5	0.5	0.016	5	0.25	26	147	E500551
						68.5	69.15	0.65	0.122	7	0.25	18	96	E500552
						69.15	70.0	0.85	0.026	2.5	0.25	10	91	E500553
						70.0	71.0	1	0.088	5	0.25	45	55	E500554
						71.0	72.0	1	0.017	2.5	0.25	19	63	E500555
						72.0	73.0	1	0.008	14	0.25	7	55	E500557
						73.0	74.0	1	0.013	2.5	0.25	18	53	E500558
						74.0	75.0	1	0.01	2.5	0.25	24	70	E500559
						75.0	76.0	1	0.006	2.5	0.25	14	97	E500560
						76.0	77.0	1	0.008	2.5	0.25	10	62	E500561
						77.0	78.0	1	0.0025	2.5	0.25	6	48	E500562
						78.0	79.0	1	0.0025	2.5	0.25	7	48	E500563
						79.0	80.0	1	0.0025	2.5	0.25	5	40	E500564

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						80.0	81.0	1	0.0025	2.5	0.25	14	48	E500565
						81.0	82.0	1	0.006	2.5	0.25	14	43	E500566
						82.0	83.0	1	0.025	2.5	0.25	22	44	E500567
						83.0	84.0	1	0.309	2.5	0.25	5	52	E500568
						84.0	85.0	1	0.558	5	0.25	2	39	E500569
						85.0	86.0	1	0.006	2.5	0.25	12	47	E500571
						86.0	87.0	1	0.019	2.5	0.25	37	44	E500572
						87.0	88.0	1	0.317	2.5	0.25	16	50	E500573
						88.0	89.0	1	0.234	2.5	0.25	9	53	E500574
						89.0	90.0	1	0.07	2.5	0.25	22	43	E500575
						90.0	91.0	1	0.037	2.5	0.25	17	58	E500576
						91.0	92.0	1	0.142	2.5	0.25	7	56	E500577
						92.0	93.0	1	0.163	2.5	0.25	8	47	E500578
						93.0	94.0	1	0.138	7	0.25	17	56	E500579
						94.0	95.0	1	0.058	7	0.25	11	56	E500580
						95.0	96.0	1	0.0025	2.5	0.25	4	59	E500581
						96.0	97.0	1	0.015	2.5	0.25	6	61	E500582
						97.0	97.55	0.55	0.073	2.5	0.25	5	71	E500583
						97.55	98.1	0.55	1.265	7	0.25	29	28	E500585
						98.1	98.75	0.65	0.525	5	0.25	8	44	E500586
						98.75	99.3	0.55	0.15	2.5	0.25	9	43	E500587
						99.3	100.0	0.7	0.012	2.5	0.25	11	58	E500588
						100.0	100.7	0.7	0.061	2.5	0.25	16	74	E500589
						100.7	101.2	0.5	0.207	2.5	0.25	66	44	E500590
						101.2	102.0	0.8	0.061	2.5	0.25	2	42	E500591
						102.0	103.0	1	0.0025	2.5	0.25	2	33	E500592
						103.0	104.0	1	0.064	2.5	0.25	7	42	E500593
						104.0	105.0	1	0.0025	2.5	0.25	5	35	E500594
						105.0	106.0	1	0.0025	2.5	0.25	7	39	E500595
						106.0	107.0	1	0.0025	2.5	0.25	4	41	E500596
						107.0	108.0	1	0.099	2.5	0.25	3	42	E500597

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						108.0	109.0	1	0.007	2.5	0.25	2	51	E500599
						109.0	110.0	1	0.0025	2.5	0.25	2	50	E500600
						110.0	111.0	1	0.0025	2.5	0.25	3	39	E500601
						111.0	112.0	1	0.0025	2.5	0.25	15	38	E500602
						112.0	113.0	1	0.0025	2.5	0.25	4	34	E500603
						113.0	114.0	1	0.0025	2.5	0.25	7	49	E500604
						114.0	115.0	1	0.018	2.5	0.25	8	46	E500605
						115.0	116.0	1	0.0025	2.5	0.25	3	48	E500606
						116.0	117.0	1	0.0025	2.5	0.25	1	44	E500608
						117.0	118.0	1	2.01	6	0.7	1	48	E500609
						118.0	119.0	1	0.01	2.5	0.25	1	37	E500610
						119.0	120.0	1	0.211	2.5	0.25	3	34	E500612
						120.0	121.0	1	0.0025	2.5	0.25	2	41	E500613
						121.0	122.0	1	0.02	2.5	0.25	3	36	E500614
						122.0	123.0	1	0.0025	2.5	0.25	10	31	E500615
						123.0	124.0	1	0.016	2.5	0.25	3	29	E500616
						124.0	125.0	1	0.0025	2.5	0.25	0.5	28	E500617
						125.0	126.0	1	0.0025	2.5	0.25	1	27	E500618
						126.0	127.0	1	0.0025	2.5	0.25	1	23	E500619
						127.0	128.0	1	0.0025	2.5	0.25	1	23	E500620
						128.0	129.0	1	0.145	7	0.25	3	24	E500622
						129.0	130.0	1	0.049	2.5	0.25	2	23	E500623
						130.0	131.0	1	0.131	2.5	0.25	1	21	E500624
						131.0	132.0	1	0.0025	2.5	0.25	2	30	E500625
						132.0	133.0	1	0.0025	2.5	0.25	2	30	E500626
						133.0	134.0	1	0.0025	2.5	0.25	0.5	29	E500627
						134.0	135.0	1	0.0025	2.5	0.25	3	28	E500628
						135.0	136.0	1	0.012	2.5	0.25	3	47	E500629
						136.0	137.0	1	0.448	2.5	1.3	6	19	E500630
						137.0	137.7	0.7	0.064	2.5	0.25	14	48	E500631

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DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour
137.7	**186.78**	**DIOR, DIORITE**	MASSIVE	MEDIUM	LIGHT GREY

Diorite-Tonalite, medium grained, grey-light grey-pink in short intervals, massive-strongly deformed, unit is strongly-intensley silica altered throughout, reliced equigranular-granitic texture observed, protolith composition likely dioritic with strong silica alteration now displaying a tonalite-quartz diorite comp. High abundance of veining throughout unit. Veins range width 1-6cm with no dominate orientation all with similar assemblages (qtz-carb-tor-py) with varying abundances of each mineral from vein to vein. Veins occasionally occur in sets of 3-4 proximal 1-4cm veins. Veins predominantly brittle with multiple cross-cutting veins in short intervals creating weak breccia texture. Potassic alteration within proximal wallrock to veins commonly occurring with 4-8% diss py. Rare vuggs observed in cm scale veins. Pyrite min diss throughout increasing near abundant veins, fracture-fill mineralization early in unit, Most notable structure 160.23-160.98m 73cm qtz-tor-carb-py vn. Sharp upper and lower contact.

160.23 - 160.98 : Quartz Vein, 74cm qtz-tor-carb py

185.02 - 185.59 : Quartz Vein, vein set made up of 4 2-6cm qtz-carb-tor-py veins altered halos, veins slightly deformed and bifurcating

From	To	Length	Au	As	Ag	Cu	Zn	Sample
137.7	138.4	0.7	0.19	12	0.6	9	21	E500632
138.4	139.0	0.6	1.195	8	0.8	3	17	E500633
139.0	140.0	1	0.634	8	0.5	7	19	E500635
140.0	141.0	1	0.661	2.5	0.25	9	27	E500636
141.0	142.0	1	0.741	2.5	0.25	5	27	E500637
142.0	143.0	1	0.124	2.5	0.25	7	27	E500638
143.0	144.0	1	0.605	5	0.25	7	29	E500639
144.0	144.9	0.9	1.72	2.5	0.25	16	28	E500640
144.9	145.4	0.5	1.58	6	0.25	7	12	E500641
145.4	146.0	0.6	0.399	6	0.25	13	27	E500642
146.0	146.9	0.9	0.849	2.5	0.25	8	27	E500643
146.9	148.0	1.1	0.218	2.5	0.25	8	23	E500644
148.0	149.0	1	0.334	6	0.25	13	22	E500645
149.0	150.0	1	0.229	2.5	0.25	10	28	E500646
150.0	150.85	0.85	0.091	2.5	0.25	11	35	E500648
150.85	151.5	0.65	0.078	2.5	0.25	4	20	E500649
151.5	152.0	0.5	0.0025	2.5	0.25	2	17	E500650
152.0	153.0	1	0.632	2.5	0.25	3	19	E500651
153.0	154.0	1	0.223	2.5	0.25	4	25	E500652
154.0	155.0	1	0.0025	2.5	0.25	1	21	E500653
155.0	156.0	1	0.06	2.5	0.25	4	24	E500654
156.0	157.0	1	0.174	2.5	0.25	8	28	E500655
157.0	158.0	1	0.119	2.5	0.25	12	26	E500656
158.0	159.0	1	0.093	2.5	0.25	18	30	E500657
159.0	159.5	0.5	0.119	2.5	0.25	20	42	E500658
159.5	160.15	0.65	0.189	2.5	0.25	13	38	E500659
160.15	161.0	0.85	0.058	2.5	0.25	5	10	E500661
161.0	162.0	1	0.287	2.5	0.25	25	29	E500662
162.0	163.0	1	0.537	2.5	0.6	29	33	E500663
163.0	164.0	1	0.035	2.5	0.25	22	31	E500664
164.0	164.85	0.85	0.116	2.5	0.25	23	34	E500665

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						164.85	165.7	0.85	0.09	2.5	0.5	20	17	E500666
						165.7	166.2	0.5	0.034	2.5	0.25	35	19	E500667
						166.2	167.0	0.8	4.19	6	1.6	17	31	E500668
						167.0	168.0	1	0.033	2.5	0.7	50	20	E500669
						168.0	169.0	1	0.108	2.5	0.5	30	28	E500670
						169.0	170.0	1	0.096	2.5	0.25	20	19	E500671
						170.0	171.0	1	0.058	2.5	0.25	36	15	E500672
						171.0	172.0	1	0.08	2.5	0.25	35	13	E500673
						172.0	172.8	0.8	0.276	11	0.5	23	22	E500675
						172.8	173.5	0.7	0.391	5	0.25	32	24	E500676
						173.5	174.0	0.5	0.244	2.5	0.6	24	34	E500677
						174.0	175.0	1	0.186	9	0.6	25	33	E500678
						175.0	176.0	1	0.301	6	0.25	28	35	E500679
						176.0	177.0	1	1.535	2.5	1.7	214	27	E500680
						177.0	178.0	1	0.2	2.5	0.5	33	21	E500681
						178.0	179.0	1	0.111	2.5	0.8	51	25	E500682
						179.0	179.85	0.85	0.449	5	0.7	32	24	E500683
						179.85	180.5	0.65	0.323	2.5	0.6	18	24	E500684
						180.5	181.0	0.5	0.49	6	0.25	18	36	E500686
						181.0	182.0	1	0.052	2.5	0.25	12	16	E500687
						182.0	183.0	1	0.387	2.5	0.25	11	14	E500688
						183.0	184.0	1	0.061	2.5	0.25	14	23	E500690
						184.0	184.5	0.5	0.296	2.5	0.25	34	27	E500691
						184.5	185.0	0.5	0.049	2.5	0.25	33	22	E500692
						185.0	185.65	0.65	2.61	2.5	2.5	43	24	E500693
						185.65	186.25	0.6	0.106	2.5	0.25	49	31	E500694
						186.25	186.78	0.53	0.089	2.5	0.25	17	24	E500695
186.78	**194.85**	**DIOR, DIORITE**	EQUIGRANULAR	COARSE	SALT 'N PEPPER	186.78	187.4	0.62	0.26	2.5	0.25	13	37	E500696
Diorite, medium to course grained, grey-green to salt and pepper, massive-equigranular, unaltered-undeformed compared to diorite-tonalite unit above. lower abundance cm scale carb fractures. sharp upper contact and undulating semi-sharp lower contact.						187.4	188.0	0.6	0.014	2.5	0.25	90	30	E500698
						188.0	189.0	1	0.007	2.5	0.25	8	19	E500699
						189.0	190.0	1	0.009	2.5	0.25	4	20	E500700

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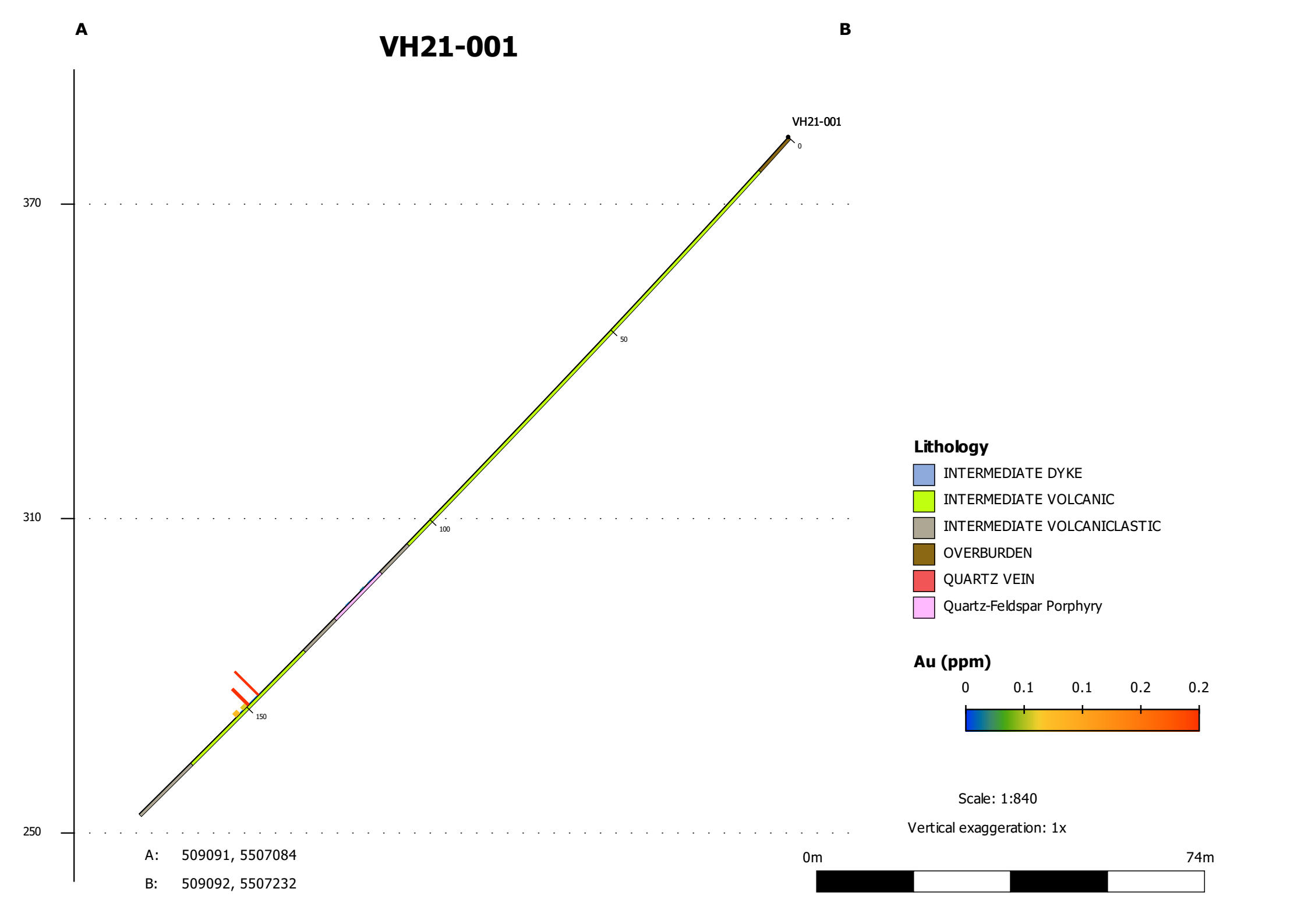
DRILL LOG REPORT

Project: Van Horne **Hole Number:** VH21-018

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
194.85	**227.5**	**IV, INTERMEDIATE VOLCANIC**	MASSIVE	VERY FINE	DARK GREY	207.0	207.5	0.5	0.0025	2.5	0.25	45	62	E500701
IV, medium to very fine grained, dark grey-grey green-grey, massive with areas displaying weak foliations. 198.5-207m medium grained, light green colour caused by epidote alteration, gabbroic texture. Alteration zone from 211.55-216.50 displaying irregular qtz-carb-py veins with vuggs and blebby-wispy py along margins. Unit consistent with IV units seen elsewhere in target area. Irregular upper contact and gradational lower contact with gabbro						207.5	208.0	0.5	0.024	2.5	0.25	38	68	E500702
						208.0	209.0	1	0.044	2.5	0.25	185	51	E500703
						209.0	210.0	1	0.007	2.5	0.25	35	49	E500704
						210.0	211.0	1	0.014	2.5	0.25	58	66	E500705
						211.0	211.55	0.55	0.025	2.5	0.25	36	62	E500706
						211.55	212.4	0.85	0.136	2.5	0.25	61	47	E500707
						212.4	213.2	0.8	0.594	10	0.5	36	38	E500708
						213.2	214.0	0.8	0.299	10	0.25	30	55	E500709
						214.0	215.0	1	0.056	2.5	0.25	37	65	E500710
						215.0	216.0	1	0.41	8	0.25	54	48	E500712
						216.0	217.0	1	0.129	2.5	0.25	33	42	E500713
						217.0	218.0	1	0.024	2.5	0.25	29	66	E500714
227.5	**230**	**GAB, GABBRO**	VARITEXTURED	MEDIUM	DARK GREEN									
Gabbro, medium grained, dark green, massive. weak gabbroic texture, low abundance of carb fractures. gradational lower contact														

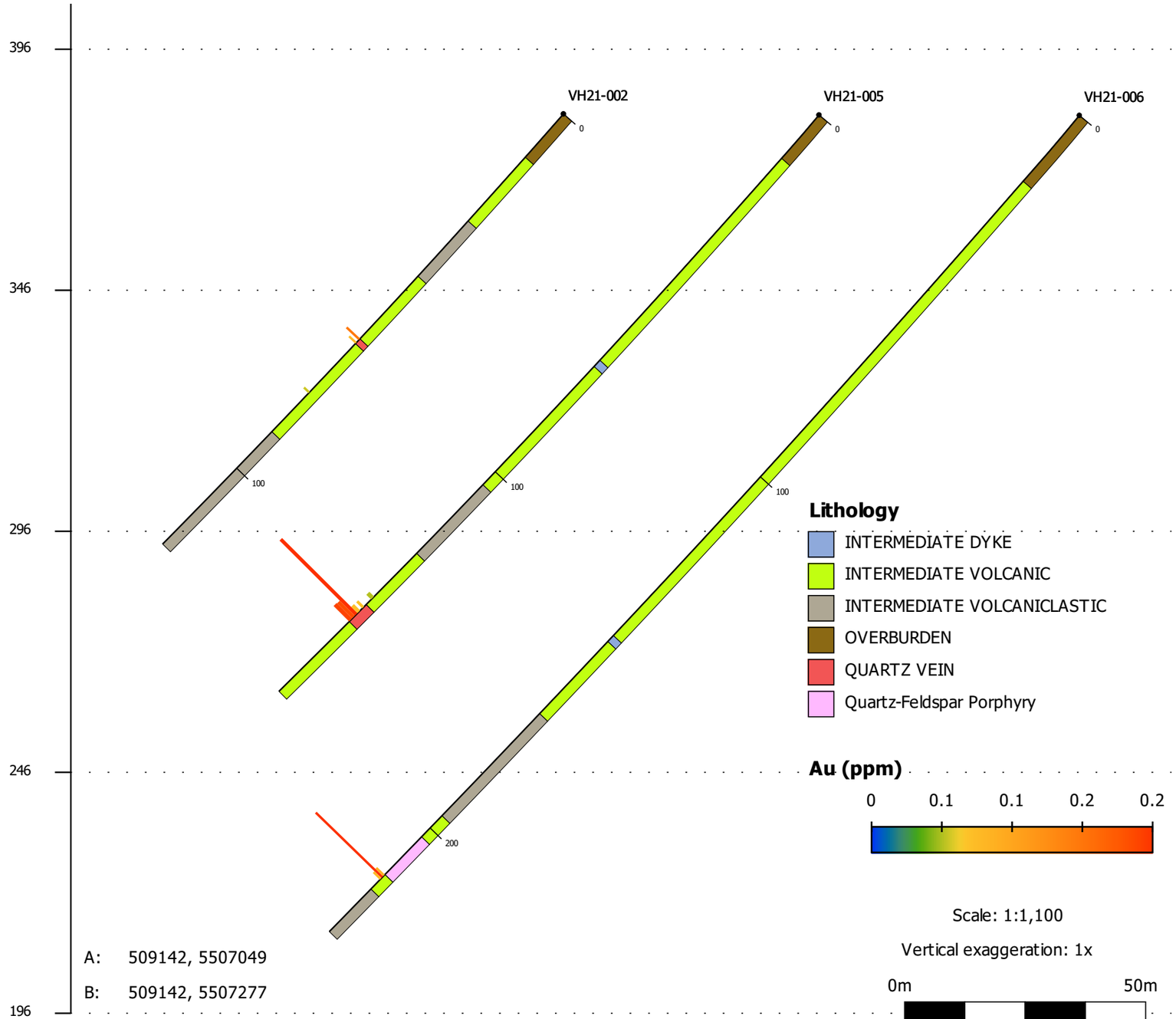
Appendix I: Drill Cross-sections


A
B
VH21-001
VH21-001
0
50
100
150
370
310
250
A: 509091, 5507084
B: 509092, 5507232
Lithology
INTERMEDIATE DYKE
INTERMEDIATE VOLCANIC
INTERMEDIATE VOLCANICLASTIC
OVERBURDEN
QUARTZ VEIN
Quartz-Feldspar Porphyry
Au (ppm)
0
0.1
0.1
0.2
0.2
Scale: 1:840
Vertical exaggeration: 1x
0m
74m

A

B

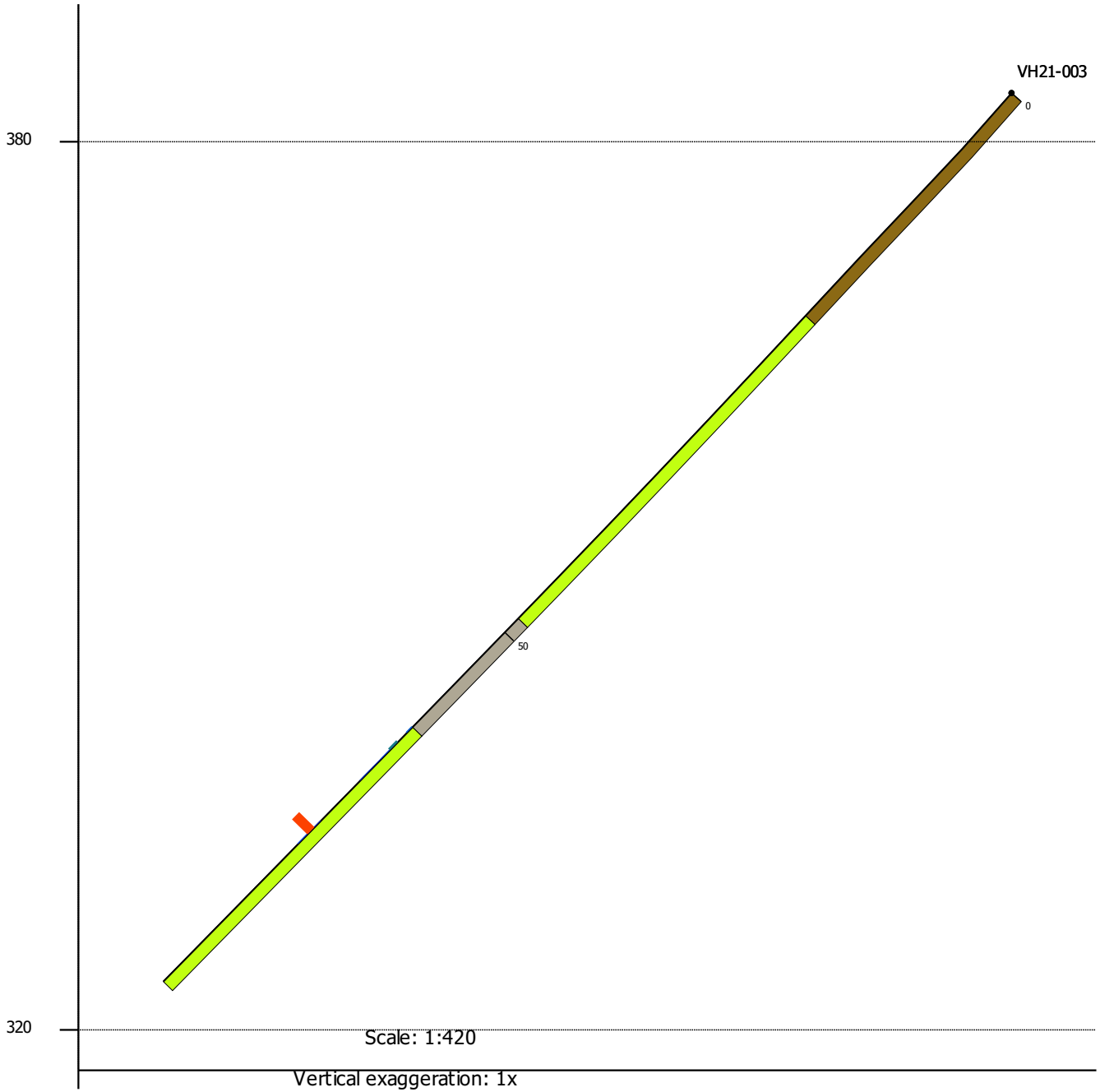
VH21-002, VH21-005, VH21-006



VH21-003

A

B

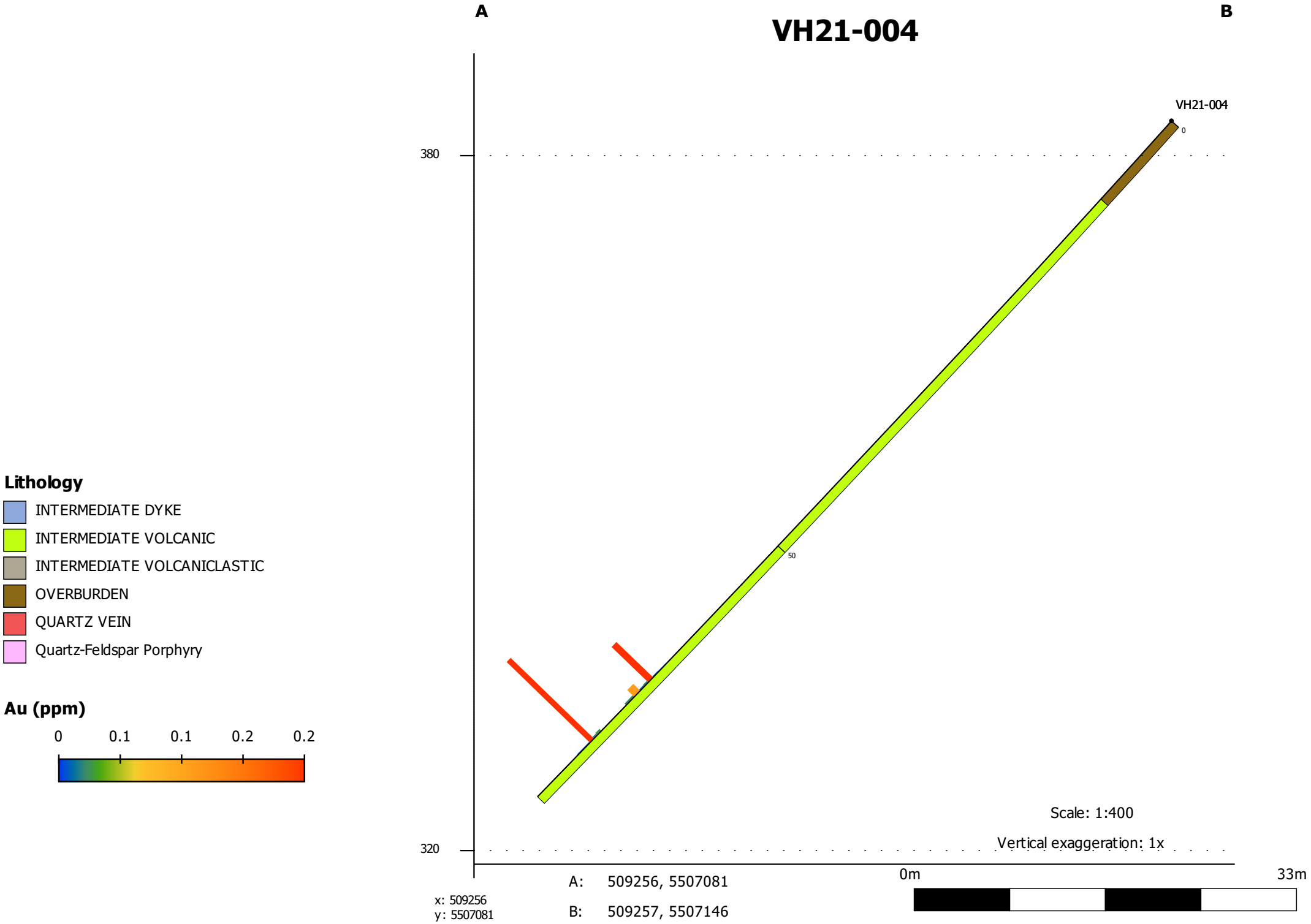


Lithology

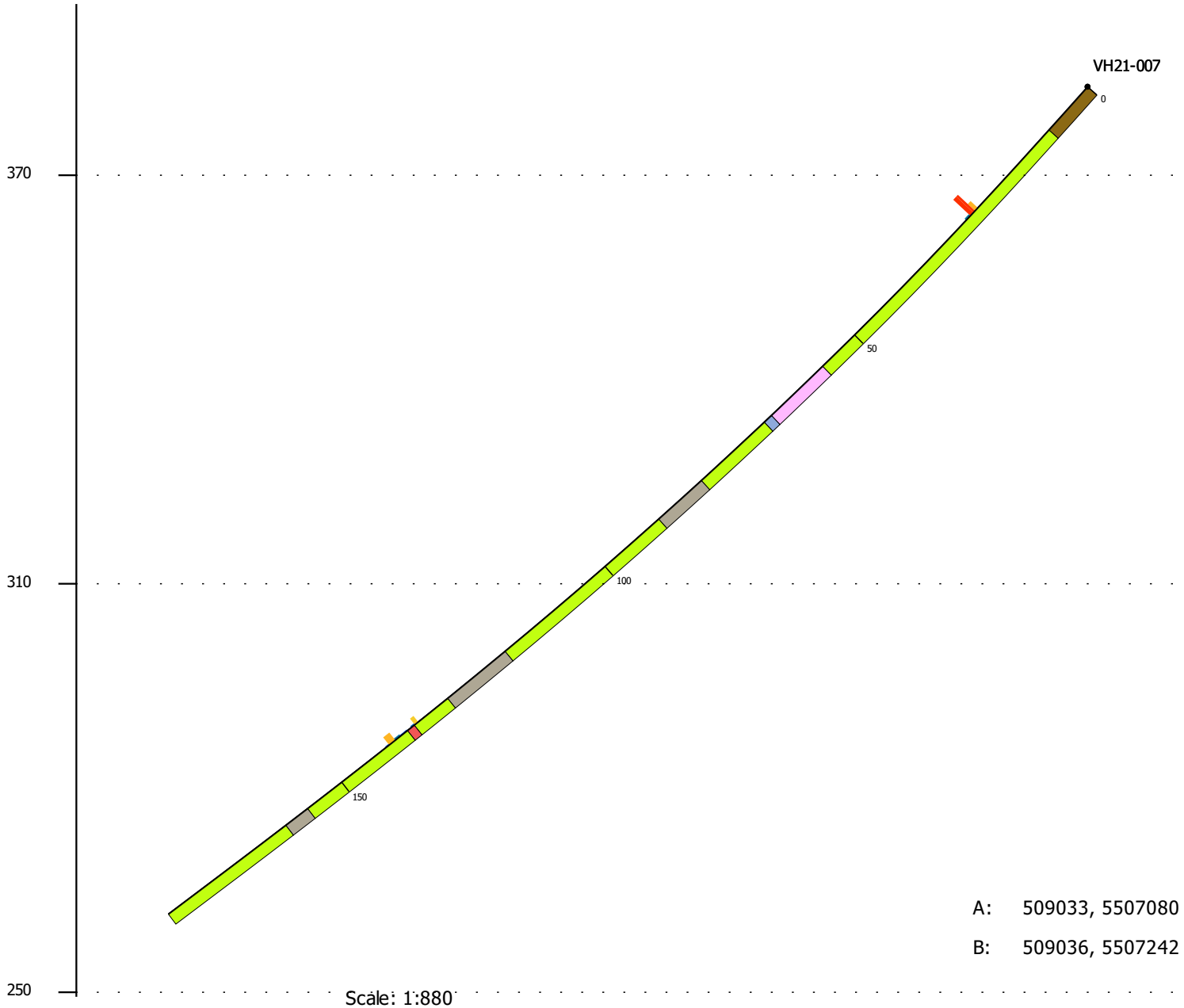
- INTERMEDIATE DYKE
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- OVERBURDEN
- QUARTZ VEIN
- Quartz-Feldspar Porphyry

Au (ppm)

0 0.1 0.1 0.2 0.2


A
B
VH21-004
VH21-004
0
50
380
320
Lithology
INTERMEDIATE DYKE
INTERMEDIATE VOLCANIC
INTERMEDIATE VOLCANICLASTIC
OVERBURDEN
QUARTZ VEIN
Quartz-Feldspar Porphyry
Au (ppm)
0
0.1
0.1
0.2
0.2
Scale: 1:400
Vertical exaggeration: 1x
0m
33m
A: 509256, 5507081
B: 509257, 5507146
x: 509256
y: 5507081

VH21-007



Lithology

- INTERMEDIATE DYKE
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- OVERBURDEN
- QUARTZ VEIN
- Quartz-Feldspar Porphyry

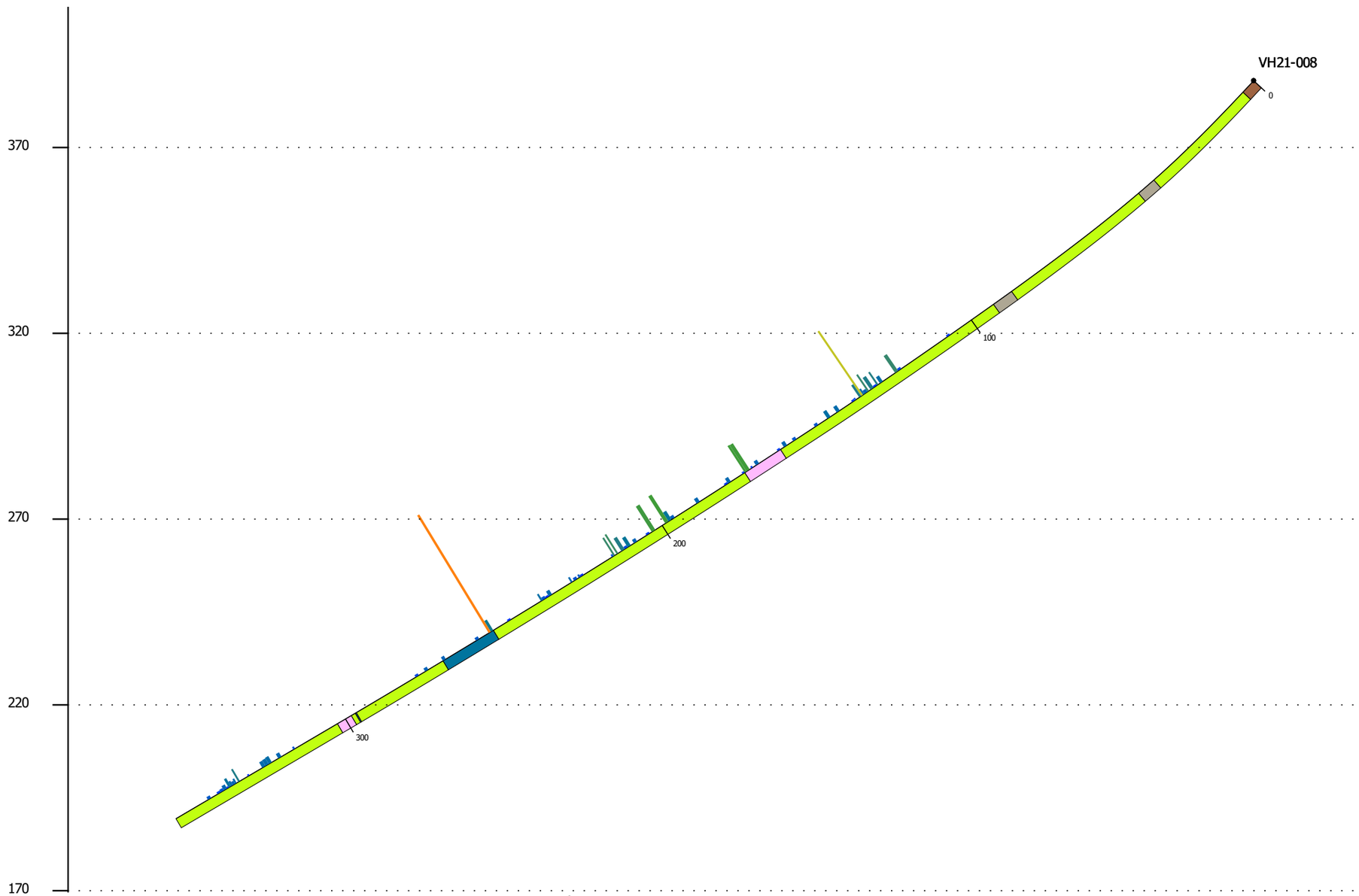
Au (ppm)

0 0.1 0.1 0.2 0.2

A

VH21-008

B



Scale: 1:1,400

Vertical exaggeration: 1x

0m 170m

Au (ppm)

0.1 2.6 5 7.5 10

Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

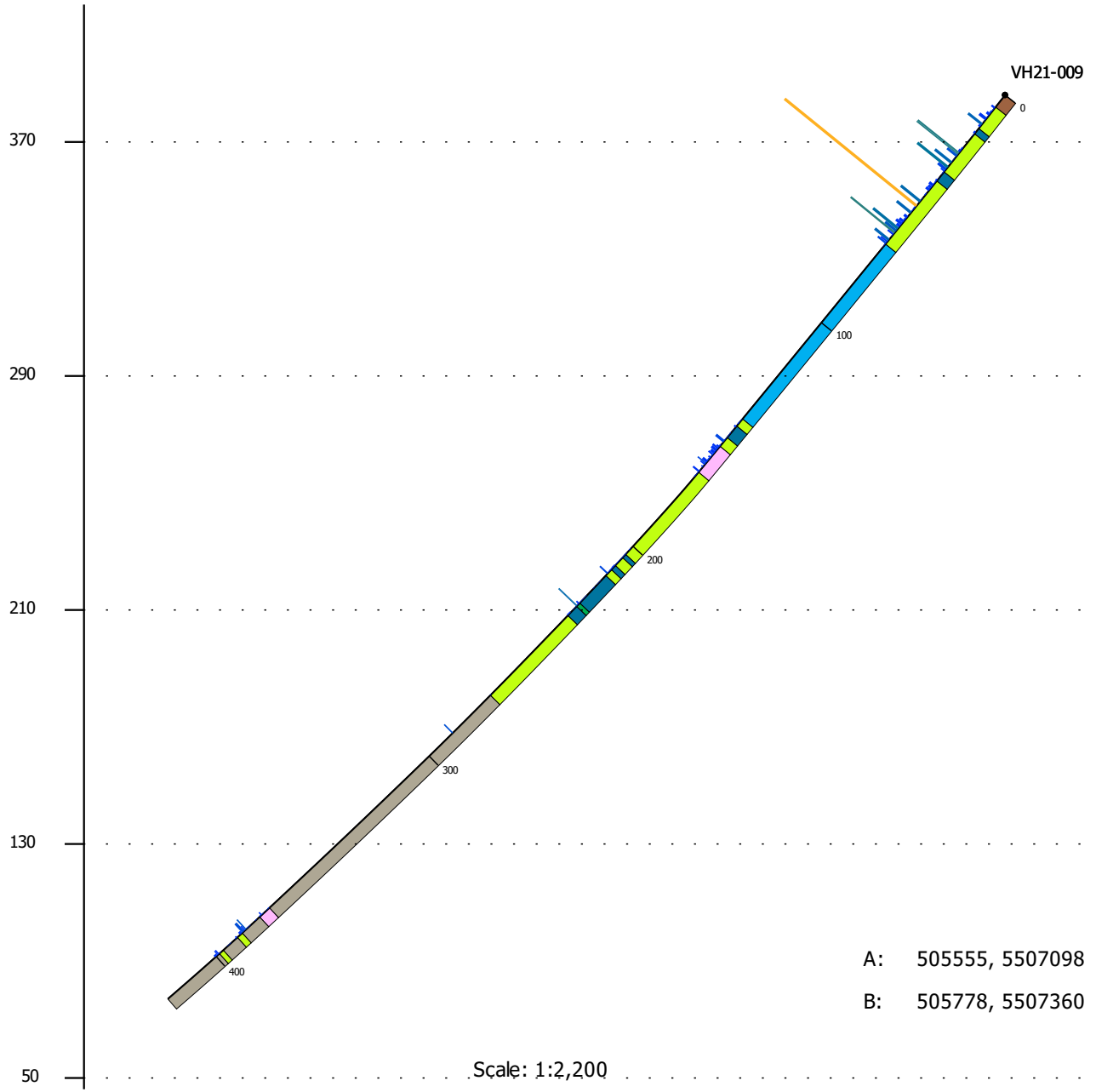
A: 505555, 5507099

B: 505781, 5507364

VH21-009

A

B



Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

Au (ppm)

0.1 2.6 5 7.5 10

A: 505555, 5507098

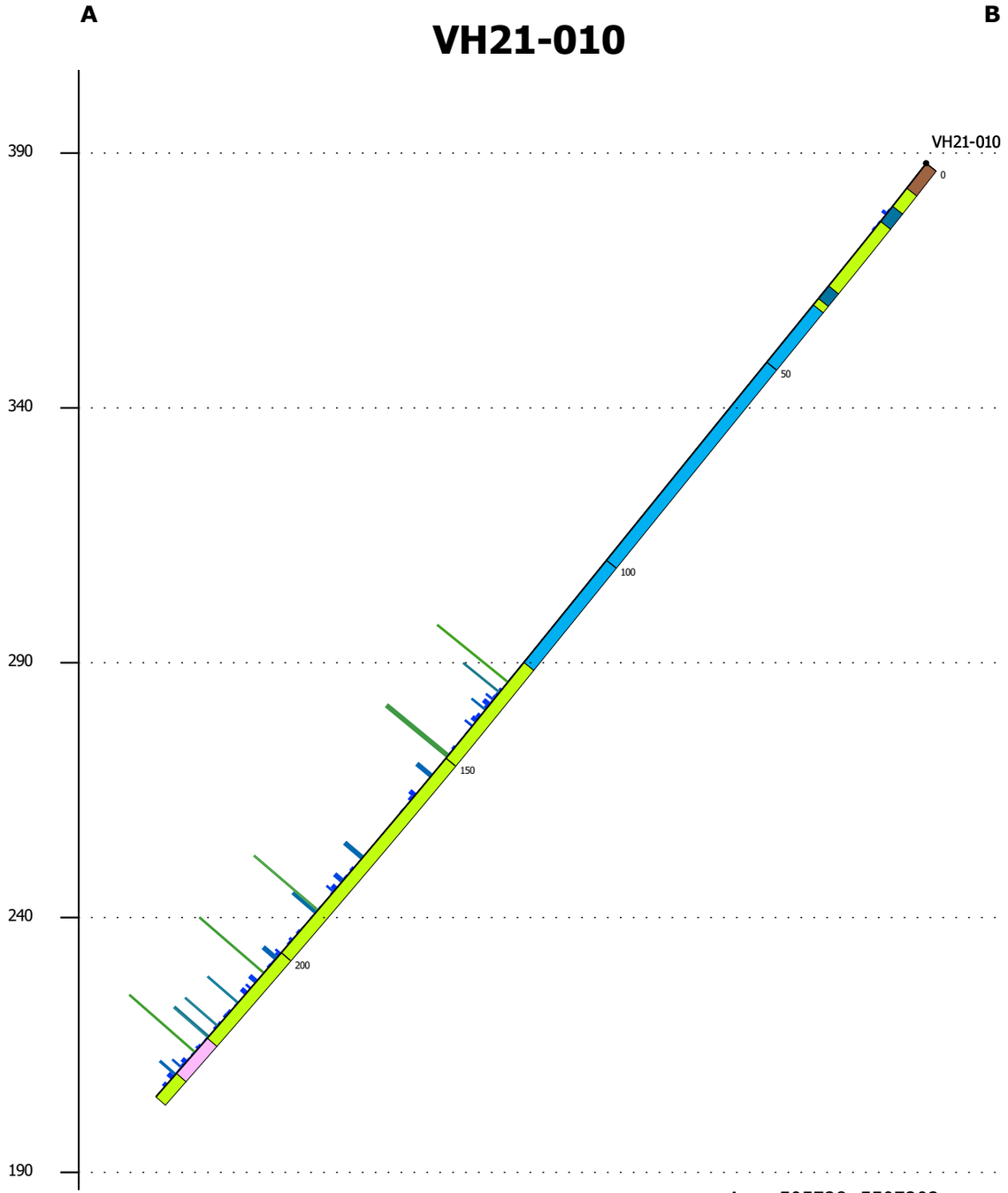
B: 505778, 5507360

Scale: 1:2,200

Vertical exaggeration: 1x

0m 170m

VH21-010



Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

Au (ppm)

0.1 2.6 5 7.5 10

A: 505728, 5507202

B: 505844, 5507342

Scale: 1:1,200

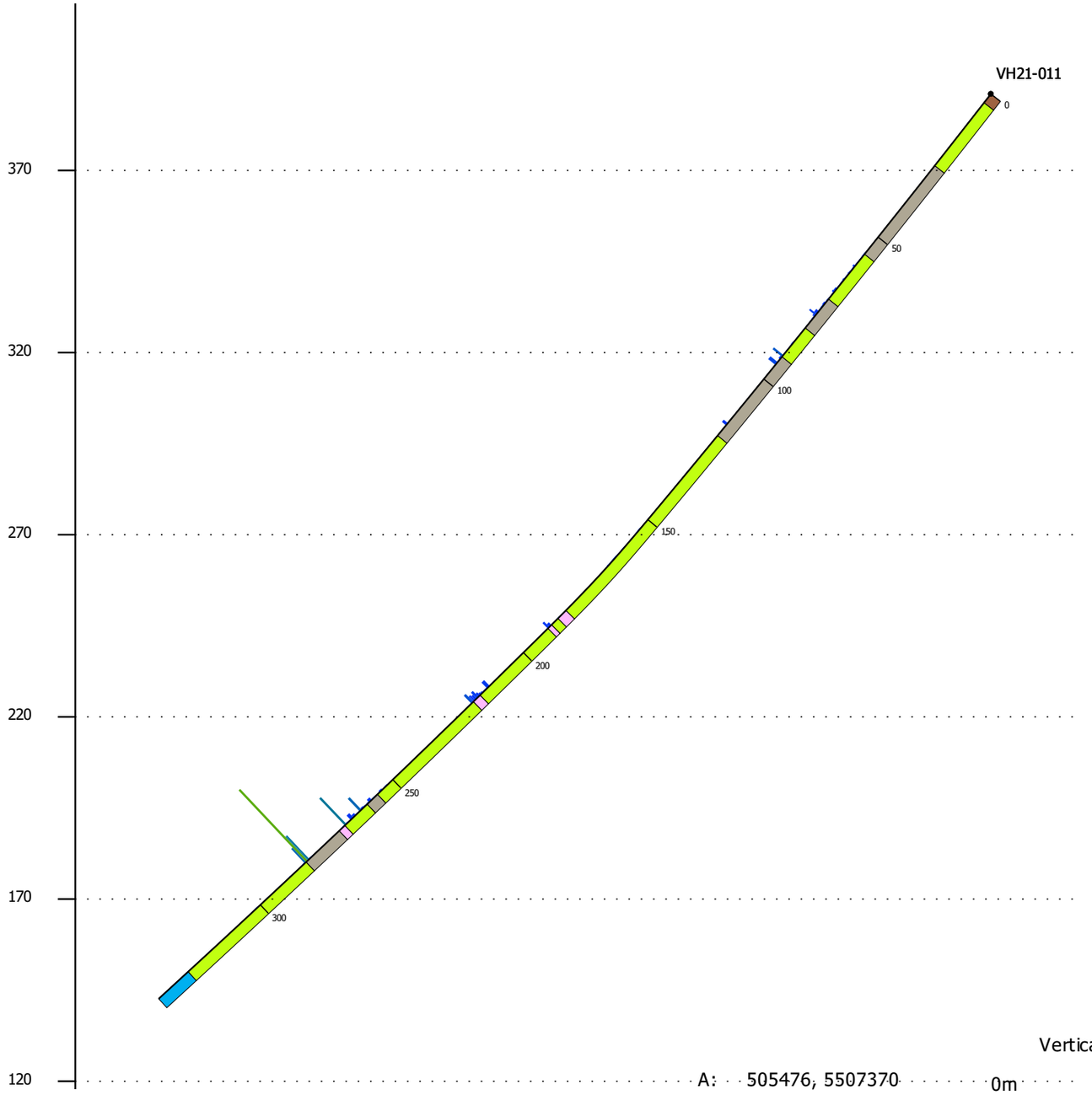
Vertical exaggeration: 1x

0m 91m

VH21-011

A

B



Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

Au (ppm)

0.1 2.6 5 7.5 10

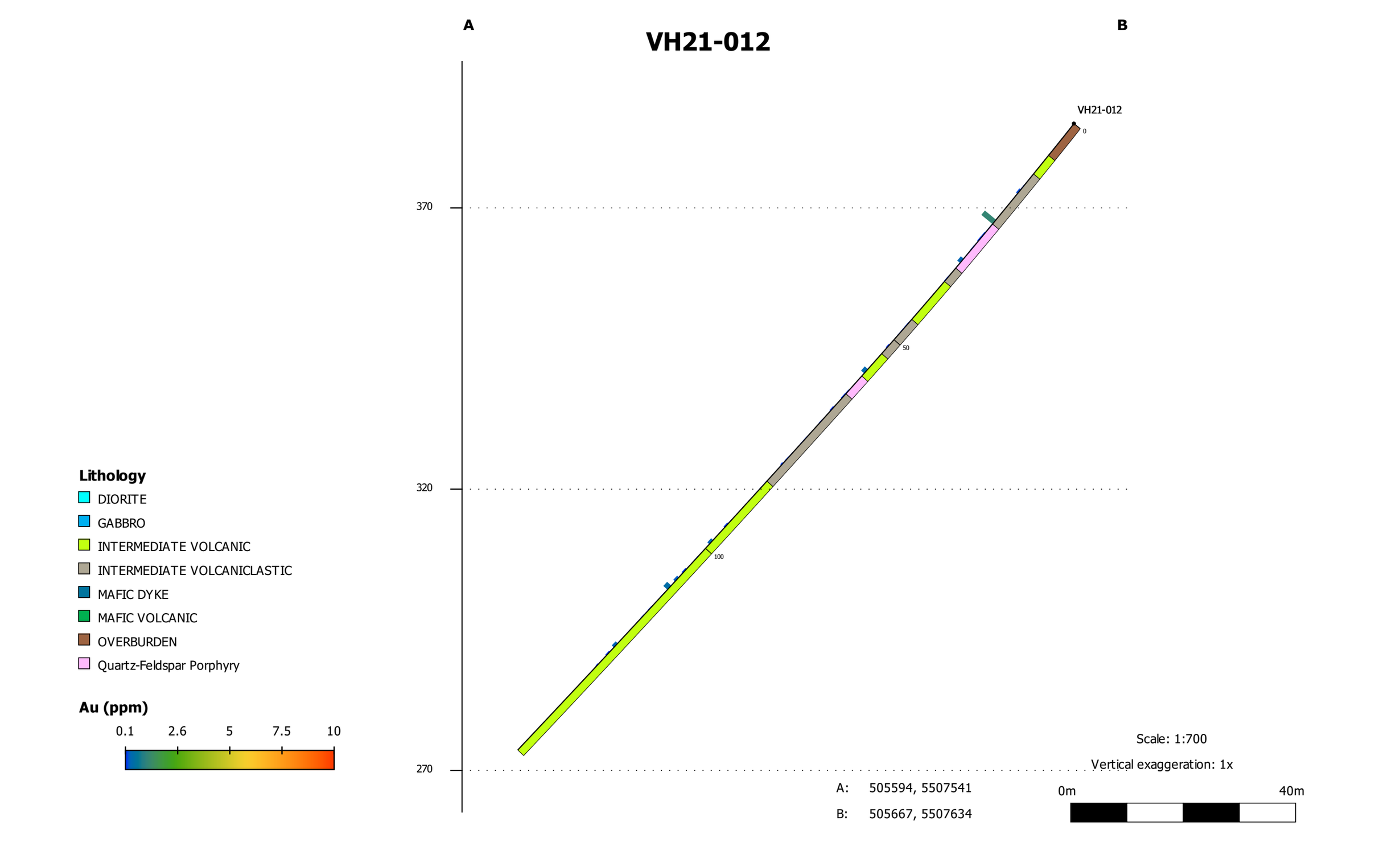
A: 505476, 5507370

B: 505652, 5507580

Scale: 1:1,600

Vertical exaggeration: 1x

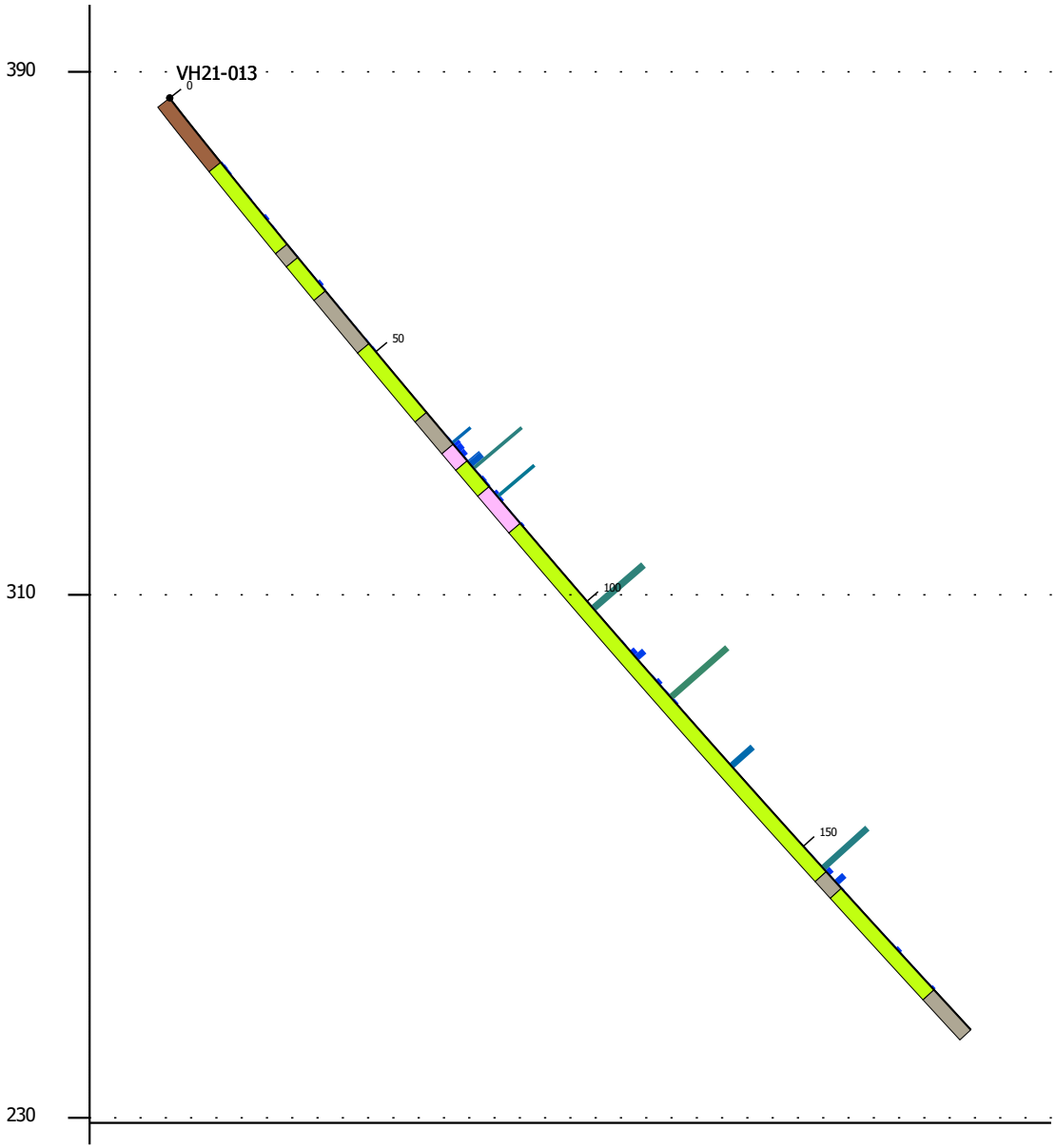
0m 91m


A
B
VH21-012
VH21-012
0
50
100
370
320
270
Lithology
DIORITE
GABBRO
INTERMEDIATE VOLCANIC
INTERMEDIATE VOLCANICLASTIC
MAFIC DYKE
MAFIC VOLCANIC
OVERBURDEN
Quartz-Feldspar Porphyry
Au (ppm)
0.1
2.6
5
7.5
10
A: 505594, 5507541
B: 505667, 5507634
Scale: 1:700
Vertical exaggeration: 1x
0m
40m

A

VH21-013

B



x: 505699
y: 505798

Scale: 1:1,100

Vertical exaggeration: 1x

A: 505699, 5507598

B: 505793, 5507710

0m 74m

Au (ppm)

0.1 2.6 5 7.5 10

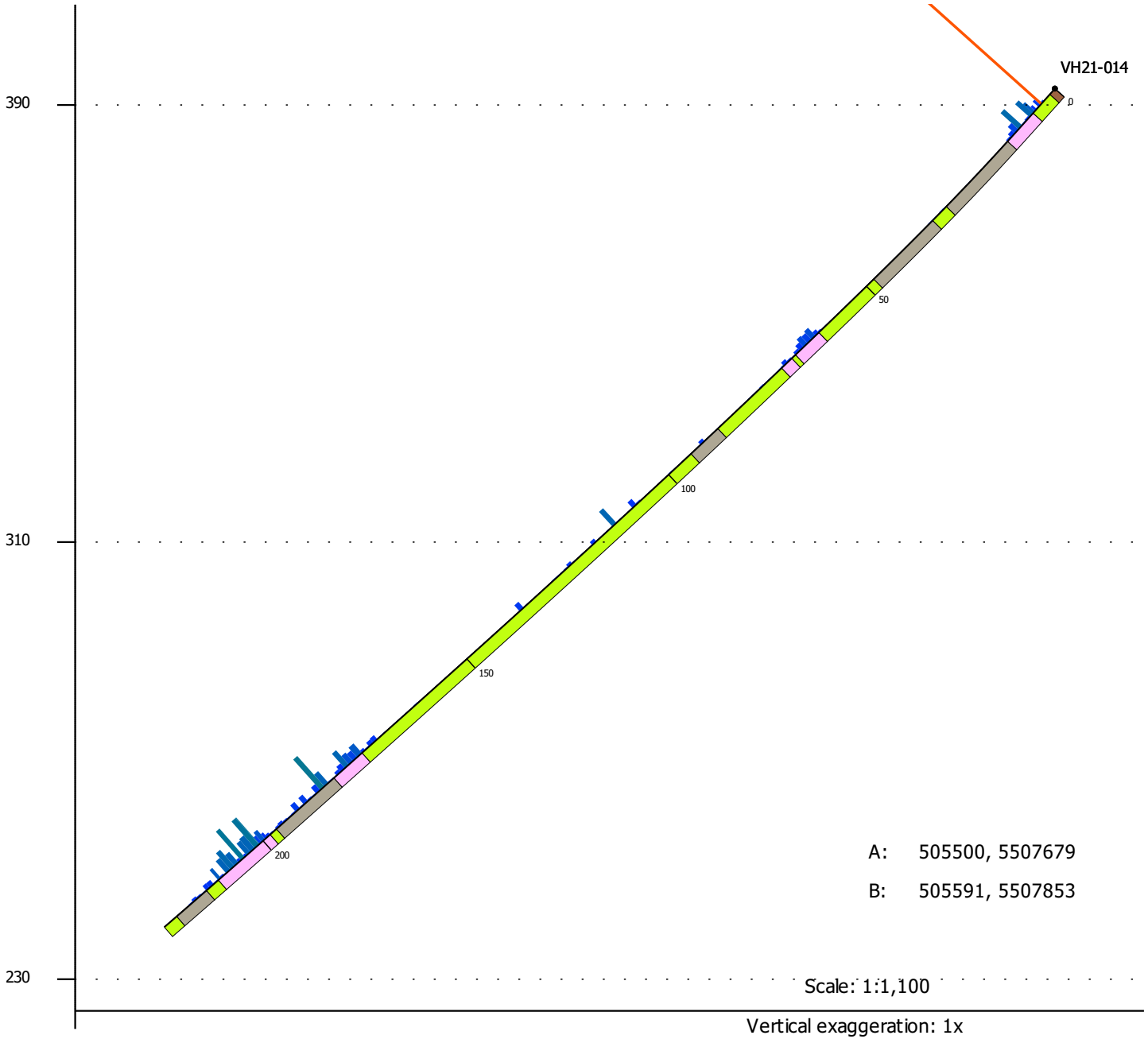
Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

VH21-014

A

B



Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

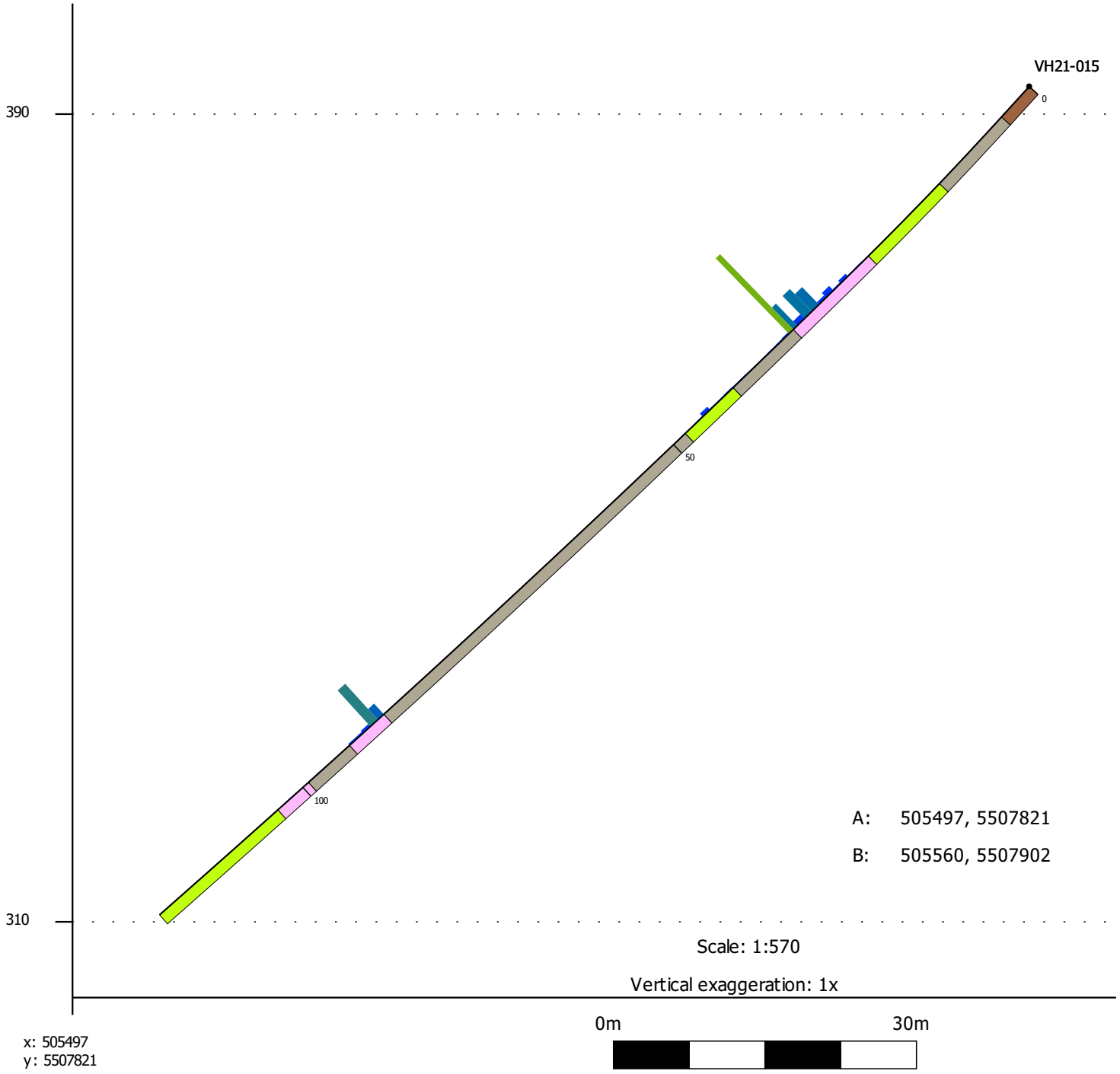
Au (ppm)

0.1 2.6 5 7.5 10

VH21-015

A

B



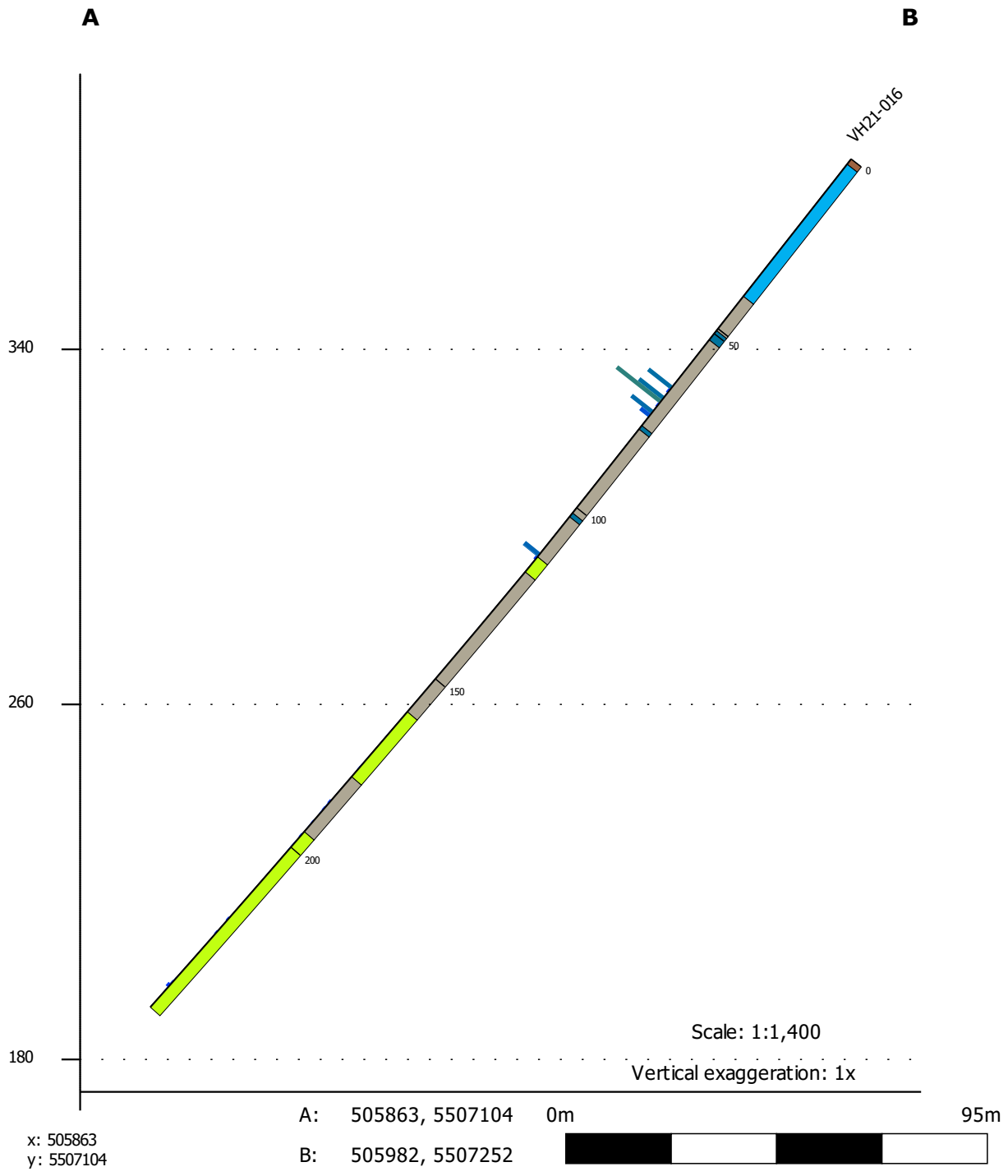
Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

Au (ppm)

0.1 2.6 5 7.5 10

VH21-016



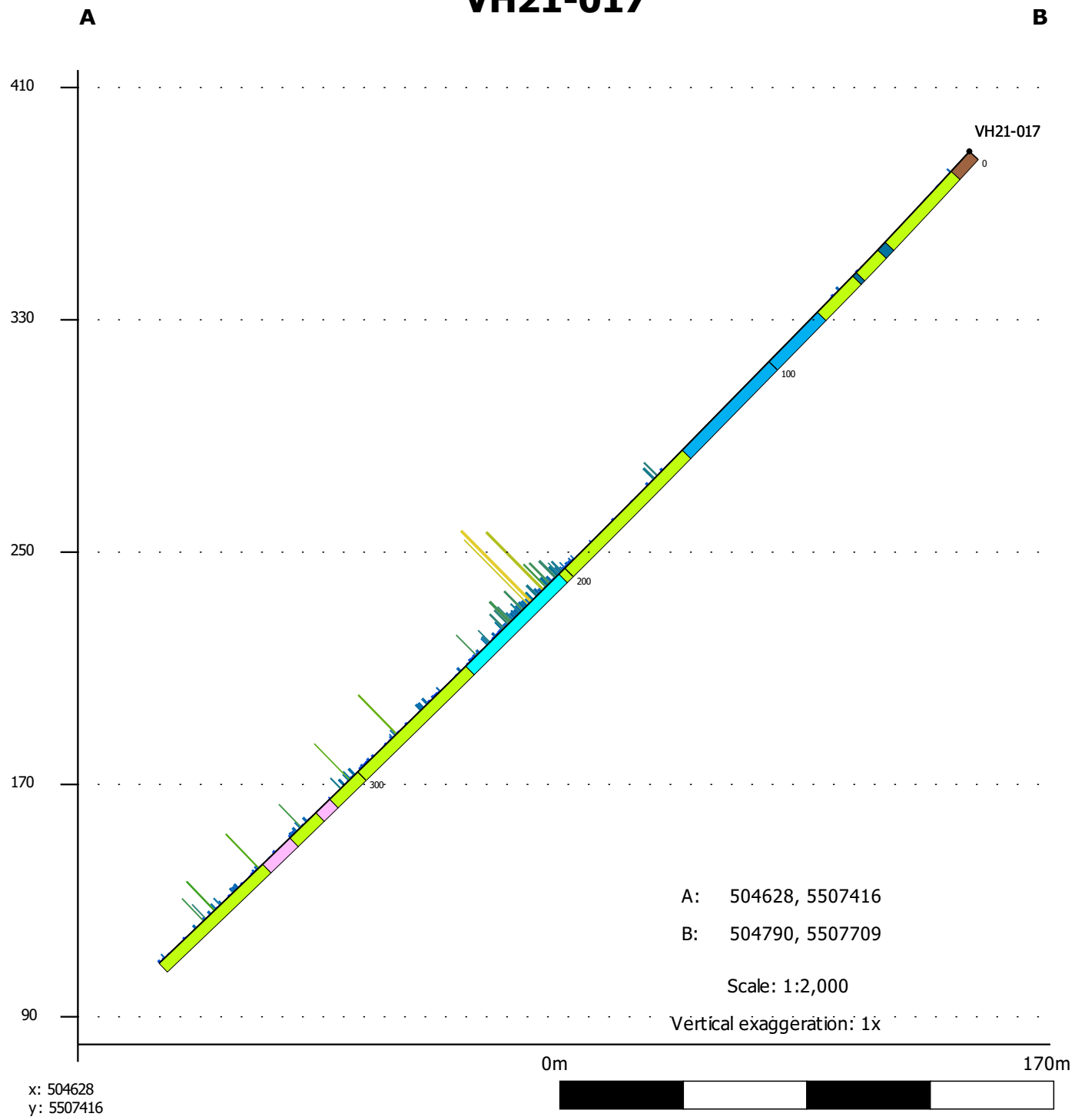
Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

Au (ppm)

0.1 2.6 5 7.5 10

VH21-017



Lithology

- DIORITE
- GABBRO
- INTERMEDIATE VOLCANIC
- INTERMEDIATE VOLCANICLASTIC
- MAFIC DYKE
- MAFIC VOLCANIC
- OVERBURDEN
- Quartz-Feldspar Porphyry

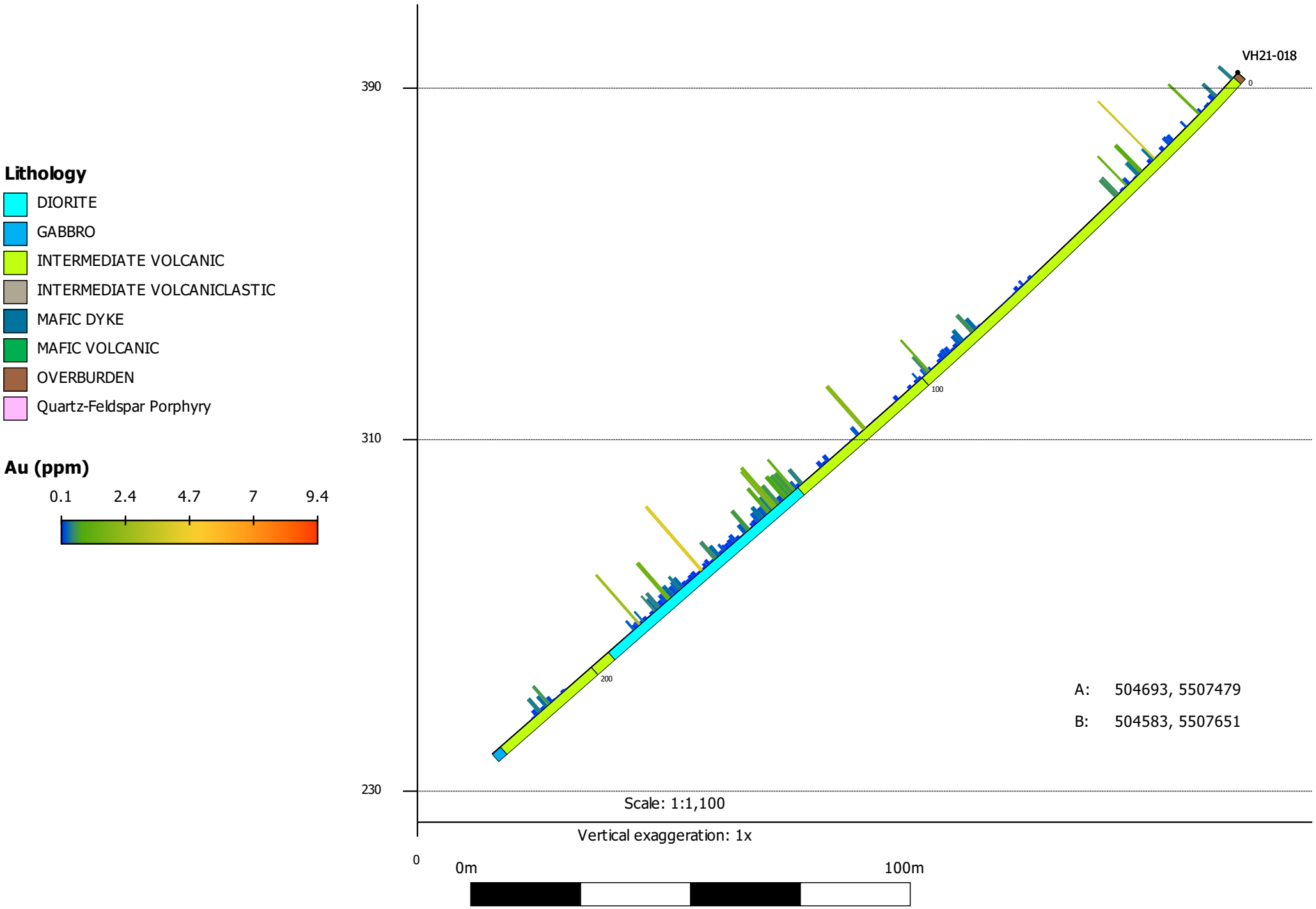
Au (ppm)

0.1 2.6 5 7.5 10

VH21-018

A

B


Lithology
DIORITE
GABBRO
INTERMEDIATE VOLCANIC
INTERMEDIATE VOLCANICLASTIC
MAFIC DYKE
MAFIC VOLCANIC
OVERBURDEN
Quartz-Feldspar Porphyry
Au (ppm)
0.1
2.4
4.7
7
9.4
390
310
230
VH21-018
0
100
200
A: 504693, 5507479
B: 504583, 5507651
Scale: 1:1,100
Vertical exaggeration: 1x
0
0m
100m

Appendix J: Drill Core Certificates of Analysis

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

CERTIFICATE TB21062337

Project: Van Horne

This report is for 78 samples of Drill Core submitted to our lab in Thunder Bay, ON, Canada on 15-MAR-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062337

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B732501		1.95	<0.5	<5	45	120	<0.005		
B732502		2.19	<0.5	<5	59	123	<0.005		2.80
B732503		1.66	<0.5	<5	14	116	<0.005		
B732504		1.62	<0.5	<5	35	125	<0.005		
B732505		1.62	<0.5	<5	27	238	<0.005		
B732506		1.22	<0.5	<5	19	123	<0.005		
B732507		1.68	<0.5	<5	28	134	<0.005		
B732508		2.45	<0.5	<5	23	31	0.005		
B732509		2.11	<0.5	<5	15	24	0.008		
B732510		1.77	<0.5	<5	124	28	0.014		
B732511		2.06	<0.5	<5	10	37	<0.005		
B732512		2.21	<0.5	<5	13	39	0.019		2.75
B732513		0.11	<0.5	<5	19	36	<0.005		
B732514		1.98	<0.5	<5	14	32	<0.005		
B732515		2.20	<0.5	<5	8	33	<0.005		
B732516		1.85	<0.5	<5	9	33	<0.005		
B732517		2.39	<0.5	<5	303	41	0.014		
B732518		2.39	<0.5	<5	10	29	<0.005		
B732519		2.39	<0.5	<5	9	47	<0.005		
B732520		2.87	<0.5	<5	9	42	<0.005		
B732521		1.62	<0.5	<5	24	97	<0.005		
B732522		2.13	<0.5	<5	22	92	<0.005		
B732523		2.31	<0.5	<5	21	91	<0.005		
B732524		2.22	<0.5	<5	16	81	<0.005		2.81
B732525		2.27	<0.5	<5	30	78	<0.005		
B732526		0.11	1.4	15	41	83	1.020		
B732527		2.05	<0.5	<5	20	82	<0.005		
B732528		2.30	<0.5	<5	9	101	<0.005		
B732529		2.16	<0.5	<5	38	152	0.006		
B732530		2.03	<0.5	<5	6	72	<0.005		
B732531		2.15	<0.5	<5	6	84	<0.005		
B732532		1.22	<0.5	<5	19	81	0.008		
B732533		1.00	<0.5	<5	29	132	0.616		
B732534		1.70	<0.5	<5	56	102	0.012		
B732535		2.42	<0.5	<5	47	97	0.012		
B732536		1.40	<0.5	19	21	36	0.390		
B732537		1.01	<0.5	<5	14	39	<0.005		
B732538		2.40	<0.5	<5	39	112	0.061		
B732539		1.56	<0.5	<5	75	115	0.012		
B732540		2.41	<0.5	<5	69	25	0.078		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062337

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au	S.G.
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	Unity
	LOD	0.02	0.5	5	1	2	0.005	0.05	0.01
B732541		1.03	<0.5	<5	21	92	<0.005		
B732542		1.40	<0.5	<5	26	111	<0.005		
B732543		1.71	<0.5	<5	35	108	<0.005		
B732544		0.92	<0.5	<5	24	111	<0.005		
B732545		0.73	<0.5	<5	24	108	<0.005		
B732546		1.81	<0.5	<5	15	105	0.015		
B732547		1.97	<0.5	<5	8	58	0.007		2.78
B732548		0.11	0.9	6170	51	70	6.59	6.29	
B732549		2.02	<0.5	<5	7	30	<0.005		
B732550		1.68	<0.5	<5	45	35	0.035		
B732551		0.99	0.6	6	31	81	0.148		
B732552		1.02	<0.5	<5	45	32	0.005		
B732553		1.03	0.5	<5	40	16	0.078		
B732554		1.38	<0.5	<5	18	120	<0.005		
B732555		2.17	0.5	<5	39	99	0.005		2.89
B732556		1.97	<0.5	<5	48	108	0.006		
B732557		2.04	<0.5	<5	16	52	0.009		
B732558		1.95	<0.5	<5	8	34	<0.005		
B732559		0.11	<0.5	<5	19	39	<0.005		
B732560		1.94	<0.5	<5	10	61	<0.005		
B732561		1.00	<0.5	<5	28	110	0.008		
B732562		1.06	<0.5	<5	19	91	0.058		
B732563		1.13	<0.5	<5	42	90	0.006		
B732564		1.73	<0.5	<5	73	81	0.011		
B732565		1.07	<0.5	<5	20	36	<0.005		
B732566		1.49	<0.5	<5	25	92	<0.005		
B732567		1.84	<0.5	<5	12	137	<0.005		
B732568		2.21	<0.5	<5	16	126	<0.005		
B732569		1.99	0.7	<5	57	189	0.011		
B732570		0.07	1.4	14	41	90	1.155		
B732571		2.14	0.5	<5	41	141	0.014		2.82
B732572		1.51	<0.5	<5	16	120	<0.005		
B732573		1.98	<0.5	<5	24	83	<0.005		2.74
B732574		1.25	<0.5	<5	68	57	0.011		
B732575		1.95	<0.5	<5	52	53	<0.005		
B732576		1.68	<0.5	<5	50	107	0.020		
B732577		2.04	<0.5	<5	46	114	0.007		
B732578		2.26	<0.5	<5	52	103	0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062337

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-APR-2021
Account: KECIBQJN

CERTIFICATE TB21062336

Project: Van Horne

This report is for 78 samples of Drill Core submitted to our lab in Thunder Bay, ON, Canada on 15-MAR-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062336

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B732579	1.04	<0.5	<5	14	40	0.005		
B732580	2.15	<0.5	<5	47	94	0.006		
B732581	2.20	<0.5	<5	47	101	<0.005		
B732582	2.22	<0.5	<5	45	95	<0.005		
B732583	2.20	<0.5	<5	44	92	<0.005		
B732584	1.76	<0.5	<5	53	86	<0.005		
B732585	1.31	<0.5	<5	26	89	0.005		
B732586	1.60	<0.5	<5	128	68	0.191		
B732587	2.01	<0.5	<5	46	79	0.008		
B732588	2.09	<0.5	<5	39	87	<0.005		
B732589	0.84	<0.5	<5	41	97	<0.005		2.87
B732590	1.03	<0.5	<5	8	74	<0.005		
B732591	0.92	<0.5	<5	47	102	<0.005		
B732592	2.12	<0.5	<5	42	118	0.007		
B732593	0.11	1.0	6160	59	71	7.16	6.55	
B732594	1.39	<0.5	<5	46	112	0.012		
B732595	1.14	<0.5	<5	45	81	0.740		
B732596	1.04	<0.5	<5	43	113	0.022		
B732597	1.00	<0.5	<5	33	257	0.017		
B732598	1.69	<0.5	<5	13	143	0.111		
B732599	2.12	<0.5	<5	8	193	0.025		
B732600	1.38	<0.5	<5	3	36	<0.005		
B732601	2.45	<0.5	<5	3	48	<0.005		
B732602	1.05	<0.5	5	22	118	0.030		
B732603	0.90	<0.5	<5	43	101	0.022		
B732604	0.91	0.9	<5	72	85	2.53		
B732605	1.10	<0.5	<5	66	92	0.011		
B732606	0.11	<0.5	<5	19	38	<0.005		
B732607	2.03	<0.5	<5	44	97	0.011		
B732608	1.80	<0.5	<5	25	113	<0.005		
B732609	2.87	<0.5	<5	13	28	<0.005		2.81
B732610	0.98	<0.5	<5	34	44	<0.005		
B732611	0.88	<0.5	<5	32	68	<0.005		
B732612	1.93	<0.5	<5	31	73	<0.005		
B732613	1.18	<0.5	<5	53	184	<0.005		
B732614	1.29	<0.5	<5	54	108	<0.005		
B732615	1.92	<0.5	<5	31	157	<0.005		
B732616	2.44	<0.5	<5	6	98	<0.005		
B732617	1.96	<0.5	<5	11	75	0.054		
B732618	1.25	<0.5	6	25	35	0.033		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062336

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B732619		0.07	1.6	16	43	94	1.060		
B732620		1.87	<0.5	<5	18	87	0.005		
B732621		1.32	<0.5	<5	58	16	0.018		
B732622		1.30	<0.5	16	21	53	0.070		
B732623		1.38	<0.5	8	10	5	0.014		
B732624		1.67	<0.5	6	17	20	0.073		
B732625		1.77	<0.5	7	22	52	1.325		
B732626		1.54	<0.5	39	10	59	0.184		
B732627		1.88	<0.5	21	36	49	0.190		
B732628		1.28	<0.5	<5	48	105	0.032		
B732629		2.22	<0.5	<5	34	70	0.005		
B732630		1.05	<0.5	<5	22	125	<0.005		
B732631		1.12	1.0	<5	826	108	0.020		
B732632		1.58	<0.5	<5	12	42	<0.005		
B732633		1.10	<0.5	<5	28	118	<0.005		
B732634		1.31	<0.5	<5	8	50	<0.005		2.80
B732635		2.09	<0.5	<5	13	46	<0.005		
B732636		1.81	<0.5	<5	61	123	<0.005		
B732637		2.16	<0.5	<5	14	35	<0.005		2.76
B732638		2.06	<0.5	<5	5	28	<0.005		
B732639		2.06	<0.5	<5	7	30	<0.005		
B732640		2.12	<0.5	<5	11	38	<0.005		
B732641		1.85	<0.5	<5	6	30	0.015		
B732642		1.22	<0.5	<5	5	25	0.008		
B732643		1.06	<0.5	<5	46	120	0.089		
B732644		1.10	<0.5	<5	66	100	1.085		
B732645		0.93	<0.5	<5	25	96	0.080		
B732646		2.36	<0.5	<5	36	123	0.031		
B732647		2.41	<0.5	<5	28	89	0.005		
B732648		1.50	<0.5	<5	73	141	0.012		
B732649		1.97	<0.5	<5	29	60	<0.005		
B732650		0.11	2.0	6350	50	70	6.47	6.73	
B732651		1.15	<0.5	6	70	86	0.086		
B732652		2.10	<0.5	<5	38	116	0.217		
B732653		1.76	<0.5	<5	39	111	0.018		2.88
B732654		0.99	<0.5	<5	1	107	<0.005		
B732655		2.39	<0.5	<5	10	113	<0.005		
B732656		1.24	<0.5	<5	22	63	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062336

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

CERTIFICATE TB21062338

Project: Van Horne

This report is for 11 samples of Drill Core submitted to our lab in Thunder Bay, ON, Canada on 15-MAR-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062338

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005
B732657		1.47	<0.5	<5	16	46	<0.005
B732658		2.10	<0.5	<5	13	71	<0.005
B732659		1.76	<0.5	<5	7	76	<0.005
B732660		1.24	<0.5	<5	74	179	0.066
B732661		1.36	<0.5	<5	8	82	0.013
B732662		1.56	<0.5	<5	21	110	<0.005
B732663		1.39	<0.5	<5	37	128	0.010
B732664		1.61	<0.5	<5	45	104	0.009
B732665		2.11	<0.5	<5	19	84	0.017
B732666		2.48	<0.5	<5	23	102	0.084
B732667		1.45	<0.5	<5	35	112	0.010

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-APR-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21062338

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
CRU-31	CRU-QC	LOG-21	PUL-31	
PUL-QC	SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA24	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-OCT-2021
Account: KECIBQJN

CERTIFICATE TB21245757

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 14-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21245757

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733501	1.04	<0.5	<5	14	41	<0.005		
B733502	2.20	<0.5	<5	58	132	<0.005		
B733503	2.41	<0.5	<5	29	133	<0.005		
B733504	2.28	<0.5	<5	40	121	<0.005		
B733505	2.44	<0.5	<5	42	129	<0.005		
B733506	2.41	<0.5	<5	57	121	<0.005		
B733507	2.40	<0.5	<5	37	122	<0.005		
B733508	2.40	<0.5	<5	32	129	<0.005		
B733509	2.28	<0.5	<5	50	107	<0.005		
B733510	2.34	<0.5	<5	32	125	<0.005		
B733511	2.40	<0.5	<5	38	128	<0.005		
B733512	2.35	<0.5	<5	39	102	<0.005		
B733513	2.37	<0.5	<5	33	120	<0.005		
B733514	2.54	<0.5	<5	44	100	<0.005		
B733515	0.11	1.0	6210	52	68	5.94	6.18	
B733516	2.27	<0.5	6	40	135	0.005		
B733517	2.45	<0.5	<5	38	145	<0.005		
B733518	2.42	<0.5	<5	31	137	<0.005		
B733519	2.25	<0.5	<5	28	155	<0.005		
B733520	2.68	<0.5	<5	104	109	<0.005		
B733521	2.46	<0.5	<5	17	173	<0.005		
B733522	2.26	<0.5	<5	8	193	<0.005		
B733523	2.33	<0.5	<5	26	196	<0.005		
B733524	2.47	<0.5	<5	74	201	0.005		
B733525	2.57	<0.5	<5	35	169	<0.005		
B733526	2.43	<0.5	<5	28	138	<0.005		
B733527	2.36	<0.5	<5	82	146	<0.005		
B733528	0.11	<0.5	6	27	30	<0.005		
B733529	2.25	<0.5	<5	79	124	<0.005		
B733530	2.33	<0.5	<5	74	94	<0.005		
B733531	2.40	<0.5	<5	55	113	<0.005		
B733532	2.30	<0.5	<5	68	127	<0.005		
B733533	1.71	<0.5	<5	29	72	<0.005		
B733534	3.10	<0.5	<5	1	165	<0.005		
B733535	2.09	<0.5	<5	98	198	0.005		2.74
B733536	2.68	<0.5	<5	41	183	<0.005		
B733537	2.37	<0.5	<5	16	207	<0.005		
B733538	2.21	<0.5	<5	8	209	<0.005		
B733539	1.61	<0.5	<5	20	145	<0.005		
B733540	2.94	<0.5	<5	10	139	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21245757

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733541	0.07	1.4	16	41	89	1.020		
B733542	2.17	<0.5	<5	3	143	0.054		
B733543	2.27	<0.5	<5	55	121	0.006		
B733544	2.24	<0.5	<5	7	87	<0.005		
B733545	2.49	<0.5	<5	2	32	<0.005		
B733546	2.10	<0.5	<5	1	23	0.011		
B733547	2.35	<0.5	<5	1	113	0.006		
B733548	2.28	<0.5	<5	1	68	0.027		
B733549	2.20	<0.5	<5	1	91	<0.005		
B733550	2.11	<0.5	<5	2	64	<0.005		
B733551	2.23	<0.5	<5	10	52	<0.005		
B733552	2.36	<0.5	<5	9	58	0.027		2.66
B733553	2.34	<0.5	<5	20	62	<0.005		
B733554	1.55	<0.5	<5	13	37	<0.005		
B733555	2.48	<0.5	<5	16	66	0.008		
B733556	2.03	<0.5	<5	14	66	0.112		
B733557	2.45	<0.5	<5	17	69	0.008		
B733558	2.26	<0.5	<5	13	50	<0.005		
B733559	2.43	<0.5	<5	2	74	<0.005		
B733560	2.28	<0.5	<5	1	62	<0.005		
B733561	2.47	<0.5	<5	3	51	<0.005		
B733562	2.49	<0.5	<5	14	61	<0.005		
B733563	2.35	<0.5	<5	8	69	<0.005		
B733564	2.68	<0.5	<5	6	69	<0.005		
B733565	2.36	<0.5	<5	9	72	<0.005		
B733566	2.25	<0.5	<5	2	78	<0.005		
B733567	2.32	<0.5	<5	11	78	0.005		
B733568	2.34	<0.5	<5	13	88	0.034		
B733569	2.30	<0.5	<5	4	76	<0.005		
B733570	2.23	<0.5	<5	23	167	0.082		
B733571	2.32	<0.5	<5	20	81	0.061		
B733572	2.14	<0.5	<5	14	91	0.134		
B733573	2.43	<0.5	<5	15	92	1.215		
B733574	2.28	<0.5	<5	7	111	<0.005		
B733575	2.26	<0.5	<5	14	91	<0.005		
B733576	0.11	1.2	6240	51	68	5.91	6.81	
B733577	2.47	<0.5	8	10	81	0.061		
B733578	2.12	<0.5	<5	2	69	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21245757

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-OCT-2021
Account: KECIBQJN

CERTIFICATE TB21249389

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 17-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21249389

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733579	2.50	<0.5	<5	13	41	<0.005		
B733580	2.27	<0.5	<5	7	73	0.426		
B733581	1.08	<0.5	<5	3	49	0.011		
B733582	1.14	<0.5	<5	10	334	0.920		
B733583	2.44	<0.5	<5	23	98	0.105		
B733584	2.42	<0.5	<5	7	79	0.840		
B733585	1.11	<0.5	<5	8	87	0.019		
B733586	1.26	<0.5	<5	14	35	1.200		
B733587	2.13	<0.5	<5	14	79	0.211		
B733588	1.15	<0.5	<5	20	75	0.392		
B733589	1.02	0.5	16	14	31	4.66	4.40	
B733590	1.42	<0.5	<5	20	56	0.855		
B733591	0.11	<0.5	<5	25	27	0.005		
B733592	2.19	<0.5	<5	10	84	0.040		
B733593	1.07	<0.5	<5	14	61	0.137		
B733594	1.72	<0.5	<5	11	69	0.112		
B733595	2.31	<0.5	<5	24	55	0.015		
B733596	2.31	<0.5	<5	36	83	0.034		
B733597	2.19	<0.5	<5	23	87	0.005		
B733598	2.31	<0.5	<5	5	78	0.047		
B733599	2.16	<0.5	<5	11	114	0.382		
B733600	2.21	<0.5	<5	9	81	0.090		
B733601	2.22	<0.5	<5	9	89	0.097		
B733602	2.17	<0.5	<5	11	93	0.478		
B733603	2.19	<0.5	<5	9	75	0.019		
B733604	2.16	<0.5	<5	17	94	0.020		2.83
B733605	0.11	<0.5	<5	25	28	<0.005		
B733606	2.04	<0.5	<5	11	55	<0.005		
B733607	2.31	<0.5	<5	34	147	0.166		
B733608	1.64	<0.5	<5	58	160	0.008		
B733609	1.85	<0.5	5	33	82	0.086		
B733610	1.33	<0.5	<5	5	110	<0.005		
B733611	2.21	<0.5	<5	12	85	0.032		
B733612	2.13	<0.5	<5	2	57	<0.005		
B733613	2.27	<0.5	<5	5	73	0.006		
B733614	2.41	<0.5	<5	13	70	<0.005		
B733615	2.14	<0.5	<5	25	131	0.171		
B733616	2.14	<0.5	<5	11	78	0.040		
B733617	2.10	<0.5	<5	5	81	0.007		
B733618	0.11	0.9	6320	51	70	6.33	6.88	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21249389

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733619	2.07	<0.5	8	16	101	0.302		
B733620	2.63	<0.5	<5	3	69	0.006		
B733621	1.76	<0.5	<5	28	44	0.114		
B733622	2.26	<0.5	<5	3	25	0.008		
B733623	1.84	<0.5	<5	9	91	0.012		
B733624	2.15	<0.5	<5	11	60	0.026		
B733625	1.66	<0.5	<5	6	23	0.055		
B733626	2.09	<0.5	<5	3	22	0.026		
B733627	2.25	<0.5	<5	4	24	0.036		
B733628	2.24	<0.5	<5	8	26	0.260		
B733629	2.32	<0.5	<5	15	84	0.032		
B733630	1.07	<0.5	<5	16	98	0.118		
B733631	0.11	<0.5	<5	25	28	0.010		
B733632	1.13	<0.5	<5	6	25	0.010		
B733633	2.24	0.7	7	3	29	1.865		
B733634	1.46	<0.5	11	8	26	1.890		
B733635	1.52	<0.5	<5	10	34	0.111		
B733636	1.51	<0.5	<5	17	45	0.007		
B733637	2.19	<0.5	<5	8	45	0.021		
B733638	2.27	<0.5	<5	8	47	<0.005		
B733639	2.32	<0.5	<5	15	137	0.082		
B733640	2.26	<0.5	<5	10	105	0.329		
B733641	2.03	<0.5	<5	12	89	0.107		
B733642	2.30	<0.5	<5	14	86	<0.005		
B733643	2.36	<0.5	<5	4	70	<0.005		
B733644	0.07	1.2	16	40	87	1.050		
B733645	2.10	<0.5	<5	6	72	0.010		
B733646	2.35	<0.5	<5	15	87	0.035		
B733647	2.12	<0.5	<5	24	87	0.049		
B733648	2.37	<0.5	<5	10	70	0.033		
B733649	1.06	<0.5	<5	14	72	0.006		
B733650	0.93	<0.5	<5	15	77	0.033		
B733651	2.38	<0.5	<5	11	61	0.019		
B733652	2.35	<0.5	<5	28	51	0.302		
B733653	1.68	<0.5	<5	5	59	<0.005		
B733654	2.75	<0.5	<5	20	80	<0.005		
B733655	2.14	<0.5	<5	20	80	0.024		
B733656	2.49	<0.5	<5	11	74	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 15-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21249389

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-OCT-2021
Account: KECIBQJN

CERTIFICATE TB21251433

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 20-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Additional Au-GRA22 check assay for sample B733730 reports 7.38ppm

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21251433

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733657	2.55	<0.5	<5	14	42	<0.005		
B733658	2.19	<0.5	<5	23	89	<0.005		
B733659	2.32	<0.5	<5	37	94	0.098		
B733660	2.40	<0.5	<5	3	57	<0.005		
B733661	2.44	<0.5	<5	8	70	0.193		
B733662	2.16	<0.5	<5	9	37	0.619		
B733663	2.31	<0.5	<5	5	26	1.905		
B733664	2.14	<0.5	<5	26	105	0.067		
B733665	2.16	<0.5	<5	31	100	0.028		
B733666	2.64	<0.5	<5	13	51	0.024		
B733667	2.49	<0.5	<5	9	24	1.790		
B733668	1.39	<0.5	<5	16	46	0.078		
B733669	2.20	<0.5	<5	21	75	0.114		
B733670	2.20	<0.5	<5	8	73	<0.005		
B733671	0.07	1.4	18	41	89	0.992		
B733672	2.10	<0.5	<5	3	79	<0.005		
B733673	2.22	<0.5	<5	8	73	0.005		
B733674	2.52	<0.5	<5	31	92	0.224		
B733675	2.33	<0.5	<5	24	69	0.014		
B733676	2.48	<0.5	<5	12	75	0.631		
B733677	2.40	<0.5	<5	13	116	0.146		
B733678	2.14	<0.5	5	5	38	0.878		
B733679	2.34	<0.5	<5	8	119	0.075		
B733680	1.15	<0.5	10	25	76	1.355		
B733681	1.10	<0.5	<5	8	66	0.006		
B733682	1.16	<0.5	14	11	79	1.255		
B733683	1.29	<0.5	<5	10	46	0.150		
B733684	0.11	0.7	6350	51	70	6.90	6.84	
B733685	2.37	<0.5	8	10	48	0.064		
B733686	2.29	<0.5	<5	15	85	0.063		
B733687	2.33	<0.5	<5	5	68	0.006		
B733688	2.38	<0.5	<5	7	90	0.059		
B733689	2.35	<0.5	<5	46	75	0.023		
B733690	2.41	<0.5	<5	4	76	<0.005		
B733691	2.39	<0.5	<5	3	77	0.037		
B733692	2.31	<0.5	<5	4	69	<0.005		
B733693	2.28	<0.5	<5	8	83	0.016		
B733694	2.32	<0.5	<5	14	89	0.106		
B733695	1.30	<0.5	<5	8	51	0.184		
B733696	1.02	<0.5	<5	8	86	0.029		

Comments: Additional Au-GRA22 check assay for sample B733730 reports 7.38ppm

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21251433

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733697		2.26	<0.5	<5	15	74	0.163		
B733698		0.11	<0.5	<5	25	27	0.005		
B733699		1.07	<0.5	<5	13	60	0.067		
B733700		1.21	<0.5	<5	11	84	0.337		
B733701		2.19	<0.5	<5	9	86	0.050		
B733702		2.10	<0.5	<5	6	98	0.029		
B733703		2.06	<0.5	<5	11	73	0.014		
B733704		2.29	<0.5	<5	3	80	0.005		
B733705		2.28	<0.5	<5	20	106	0.006		
B733706		2.46	<0.5	<5	15	98	0.007		
B733707		2.35	<0.5	<5	11	90	0.327		
B733708		2.49	<0.5	<5	16	117	0.101		
B733709		2.37	<0.5	<5	13	130	0.166		
B733710		1.11	<0.5	<5	11	62	0.457		
B733711		1.16	<0.5	<5	7	83	0.007		
B733712		0.07	1.4	17	43	90	1.080		
B733713		2.29	<0.5	<5	9	78	0.006		
B733714		2.27	<0.5	<5	4	59	0.005		
B733715		2.35	<0.5	<5	5	80	0.006		
B733716		2.12	<0.5	<5	4	78	0.009		
B733717		2.10	<0.5	<5	7	56	0.039		
B733718		2.20	<0.5	<5	5	58	0.007		
B733719		2.45	<0.5	<5	23	72	0.018		
B733720		2.33	<0.5	<5	23	67	0.007		
B733721		2.32	<0.5	<5	3	46	0.007		
B733722		2.44	<0.5	<5	5	62	0.101		
B733723		2.23	<0.5	<5	6	46	0.024		
B733724		2.53	<0.5	<5	2	57	0.008		
B733725		2.74	<0.5	<5	8	110	0.021		
B733726		0.11	<0.5	5	25	27	0.006		
B733727		2.48	<0.5	<5	6	37	0.042		
B733728		1.14	<0.5	<5	2	24	0.006		
B733729		2.31	<0.5	<5	6	161	0.750		
B733730		1.75	<0.5	7	4	108	8.24	3.94	
B733731		0.56	<0.5	<5	8	269	0.028		2.80
B733732		0.66	<0.5	<5	8	263	0.120		
B733733		1.41	<0.5	<5	10	176	0.011		
B733734		1.31	<0.5	<5	31	212	0.008		

Comments: Additional Au-GRA22 check assay for sample B733730 reports 7.38ppm

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 18-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21251433

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 20-OCT-2021
Account: KECIBQJN

CERTIFICATE TB21254464

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 22-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 20-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21254464

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733735	2.06	<0.5	<5	12	38	<0.005		
B733736	1.29	<0.5	<5	48	264	0.011		
B733737	1.38	<0.5	<5	32	251	0.007		
B733738	1.39	<0.5	<5	37	173	0.025		
B733739	2.64	<0.5	<5	53	209	0.177		
B733740	2.54	<0.5	<5	62	115	<0.005		
B733741	2.74	<0.5	<5	36	113	0.007		
B733742	2.36	<0.5	<5	50	121	<0.005		
B733743	2.10	<0.5	<5	52	109	<0.005		
B733744	2.53	<0.5	<5	42	108	0.005		
B733745	2.52	<0.5	<5	39	109	<0.005		
B733746	2.46	<0.5	<5	37	110	0.005		
B733747	2.57	<0.5	<5	36	181	<0.005		
B733748	2.38	<0.5	<5	11	199	<0.005		
B733749	0.11	0.7	6160	51	69	5.95	NSS	
B733750	1.23	<0.5	<5	18	241	0.005		
B733751	2.41	<0.5	<5	7	184	0.235		
B733752	1.45	<0.5	<5	3	66	<0.005		
B733753	2.46	<0.5	<5	5	61	<0.005		
B733754	1.84	<0.5	<5	5	49	<0.005		
B733755	2.28	<0.5	<5	12	58	<0.005		
B733756	2.32	<0.5	<5	3	51	0.012		
B733757	2.15	<0.5	<5	17	63	0.200		
B733758	2.38	<0.5	<5	10	66	0.050		
B733759	2.37	<0.5	5	9	70	0.045		
B733760	1.94	<0.5	<5	5	57	0.136		
B733761	2.21	<0.5	<5	6	67	0.084		
B733762	0.11	<0.5	<5	26	28	<0.005		
B733763	2.25	<0.5	<5	2	53	<0.005		
B733764	1.02	<0.5	<5	2	60	<0.005		
B733765	1.05	0.6	<5	5	67	<0.005		
B733766	2.46	<0.5	<5	2	81	<0.005		
B733767	2.12	<0.5	<5	3	75	0.024		
B733768	2.25	<0.5	<5	2	53	<0.005		
B733769	2.26	<0.5	<5	6	54	<0.005		
B733770	2.29	<0.5	<5	5	60	<0.005		
B733771	1.85	<0.5	<5	1	62	0.005		
B733772	1.75	<0.5	<5	3	72	0.011		
B733773	1.82	<0.5	<5	16	73	0.090		
B733774	1.50	<0.5	<5	4	69	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 20-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21254464

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733775	0.07	2.0	17	44	93	1.105		
B733776	1.67	<0.5	<5	10	64	<0.005		
B733777	2.18	<0.5	<5	12	55	<0.005		
B733778	2.30	<0.5	<5	14	61	<0.005		
B733779	2.18	<0.5	<5	11	63	<0.005		
B733780	2.26	<0.5	<5	5	58	<0.005		
B733781	2.29	<0.5	<5	7	59	<0.005		
B733782	2.22	<0.5	<5	7	62	0.005		
B733783	2.38	<0.5	<5	23	103	0.007		
B733784	1.54	<0.5	<5	4	28	<0.005		
B733785	1.25	<0.5	<5	12	44	0.046		
B733786	1.73	<0.5	<5	4	19	<0.005		
B733787	2.23	<0.5	<5	9	21	<0.005		
B733788	0.11	<0.5	<5	27	31	<0.005		
B733789	2.11	<0.5	<5	6	32	<0.005		2.80
B733790	1.94	<0.5	<5	5	18	0.007		
B733791	1.24	<0.5	<5	16	29	<0.005		
B733792	1.54	<0.5	<5	9	84	0.014		
B733793	1.83	<0.5	<5	11	110	0.008		
B733794	2.18	<0.5	<5	31	127	0.055		
B733795	2.19	<0.5	<5	26	93	0.005		
B733796	2.36	<0.5	<5	17	78	0.005		
B733797	2.28	<0.5	<5	11	77	<0.005		
B733798	2.21	<0.5	<5	12	91	0.005		2.83
B733799	2.41	<0.5	<5	26	126	<0.005		
B733800	2.11	<0.5	<5	9	73	0.005		
B733801	2.49	<0.5	<5	18	92	0.012		
B733802	0.11	1.0	6130	49	69	6.83	6.81	
B733803	2.12	<0.5	5	2	60	0.026		
B733804	2.15	<0.5	<5	1	54	0.022		
B733805	2.23	<0.5	<5	3	59	0.030		
B733806	1.66	<0.5	<5	2	58	<0.005		
B733807	1.24	<0.5	<5	11	52	0.156		
B733808	1.55	<0.5	<5	9	60	<0.005		
B733809	2.06	<0.5	<5	14	70	<0.005		
B733810	2.12	<0.5	<5	10	62	0.015		
B733811	2.25	<0.5	<5	7	56	<0.005		
B733812	2.32	<0.5	<5	7	60	0.293		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 20-OCT-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21254464

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21255767

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 23-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21255767

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733813		2.22	<0.5	<5	13	43	<0.005	
B733814		2.29	<0.5	<5	9	53	<0.005	
B733815		2.36	<0.5	<5	8	55	<0.005	
B733816		2.16	<0.5	<5	11	36	0.429	
B733817		2.45	<0.5	<5	23	35	0.394	
B733818		2.34	<0.5	<5	14	59	0.374	
B733819		2.26	<0.5	<5	10	63	<0.005	
B733820		2.26	<0.5	<5	7	42	0.083	
B733821		2.22	<0.5	<5	7	50	<0.005	
B733822		2.29	<0.5	<5	9	55	0.008	
B733823		1.14	<0.5	<5	12	64	0.104	
B733824		1.21	<0.5	<5	10	54	0.012	
B733825		0.07	2.1	19	43	90	NSS	
B733826		2.16	<0.5	<5	12	50	0.009	
B733827		2.23	<0.5	<5	7	46	0.050	
B733828		1.09	<0.5	<5	7	47	0.852	
B733829		1.08	<0.5	<5	7	46	0.043	
B733830		1.20	<0.5	<5	8	46	0.311	
B733831		1.55	<0.5	<5	5	33	0.212	
B733832		1.38	<0.5	7	5	33	0.306	
B733833		1.60	<0.5	8	13	32	0.566	
B733834		1.22	<0.5	5	3	27	0.101	
B733835		2.20	<0.5	<5	5	42	0.287	
B733836		2.31	<0.5	<5	14	43	0.165	
B733837		2.20	<0.5	<5	8	37	0.124	
B733838		2.20	<0.5	<5	16	46	0.009	
B733839		0.11	<0.5	<5	26	28	0.007	
B733840		2.25	<0.5	<5	9	45	0.013	
B733841		2.27	<0.5	<5	19	50	0.177	
B733842		2.29	<0.5	<5	44	50	<0.005	
B733843		2.22	<0.5	<5	17	46	<0.005	
B733844		1.49	<0.5	<5	36	125	0.052	
B733845		2.20	<0.5	<5	11	150	0.009	
B733846		2.19	<0.5	<5	14	155	0.020	
B733847		2.29	<0.5	<5	20	124	0.047	
B733848		1.96	<0.5	<5	14	106	0.009	
B733849		2.33	<0.5	<5	20	153	0.109	
B733850		1.06	<0.5	<5	19	146	0.005	
B733851		1.59	<0.5	<5	11	143	<0.005	
B733852		0.11	0.7	6560	53	74	6.99	NSS

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21255767

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B733853		1.98	<0.5	14	34	148	0.238	
B733854		1.85	<0.5	7	13	72	0.028	
B733855		1.23	<0.5	<5	11	55	<0.005	
B733856		1.53	<0.5	<5	30	95	<0.005	
B733857		1.83	<0.5	<5	35	83	<0.005	
B733858		1.88	<0.5	<5	37	131	0.024	
B733859		2.44	<0.5	<5	17	105	0.005	
B733860		2.32	<0.5	<5	11	91	<0.005	
B733861		1.87	<0.5	<5	11	103	<0.005	
B733862		2.13	<0.5	<5	21	121	<0.005	
B733863		2.25	<0.5	<5	19	85	<0.005	
B733864		2.23	<0.5	<5	27	43	<0.005	
B733865		0.11	<0.5	<5	28	34	<0.005	
B733866		2.04	<0.5	<5	8	26	0.018	
B733867		2.27	<0.5	<5	8	53	0.029	
B733868		1.42	<0.5	<5	19	101	0.895	
B733869		1.07	<0.5	<5	20	109	0.898	
B733870		1.78	<0.5	<5	14	46	0.160	
B733871		2.50	<0.5	<5	25	28	0.005	
B733872		2.12	<0.5	<5	16	83	0.005	
B733873		2.32	<0.5	<5	21	108	0.291	
B733874		1.10	<0.5	<5	27	123	0.007	
B733875		1.10	<0.5	<5	29	128	0.006	
B733876		2.07	<0.5	<5	22	108	0.602	
B733877		2.29	<0.5	<5	24	84	0.130	
B733878		0.07	1.5	19	44	92	0.969	
B733879		1.01	<0.5	<5	17	79	0.058	
B733880		1.75	<0.5	<5	74	145	0.011	
B733881		1.85	<0.5	<5	93	110	0.005	
B733882		2.40	<0.5	<5	25	110	<0.005	
B733883		2.26	<0.5	<5	30	129	0.005	
B733884		1.31	<0.5	<5	34	168	0.023	
B733885		1.35	<0.5	<5	47	52	0.015	
B733886		1.88	<0.5	<5	11	56	0.011	
B733887		2.17	<0.5	<5	20	47	0.061	
B733888		2.17	<0.5	<5	14	56	0.046	
B733889		2.26	<0.5	<5	14	86	0.053	
B733890		2.26	<0.5	<5	18	76	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21255767

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21259045

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 27-SEP-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21259045

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733891		2.23	<0.5	<5	14	42	<0.005		
B733892		2.24	<0.5	<5	19	70	0.012		
B733893		2.25	<0.5	<5	12	61	<0.005		
B733894		2.20	<0.5	<5	13	63	0.006		
B733895		2.31	<0.5	<5	19	108	0.351		
B733896		2.29	<0.5	<5	28	84	<0.005		
B733897		2.23	<0.5	<5	141	181	6.82	6.42	
B733898		2.41	<0.5	<5	31	184	0.015		
B733899		2.30	<0.5	<5	20	93	0.011		2.78
B733900		2.27	<0.5	<5	499	127	0.248		
B733901		2.27	<0.5	<5	13	44	<0.005		
B733902		2.23	<0.5	<5	53	56	0.050		
B733903		2.32	<0.5	<5	18	57	0.021		
B733904		2.30	<0.5	<5	36	53	0.067		
B733905		0.07	1.3	19	42	94	1.075		
B733906		2.26	<0.5	<5	24	46	0.092		
B733907		2.29	<0.5	<5	25	50	0.051		
B733908		2.19	<0.5	<5	75	83	0.476		
B733909		2.25	<0.5	<5	25	60	0.187		
B733910		1.73	<0.5	<5	57	78	0.985		
B733911		1.67	<0.5	<5	49	174	0.090		
B733912		1.46	<0.5	<5	90	308	0.006		
B733913		2.31	<0.5	<5	15	220	<0.005		
B733914		2.21	<0.5	<5	182	132	0.242		
B733915		1.51	<0.5	<5	75	196	0.105		
B733916		1.81	<0.5	<5	25	113	0.137		
B733917		1.59	<0.5	<5	44	163	0.009		
B733918		0.11	0.6	6040	50	68	6.59	6.60	
B733919		2.59	<0.5	<5	39	171	0.005		3.10
B733920		1.93	<0.5	<5	62	143	<0.005		
B733921		2.08	<0.5	<5	76	142	<0.005		
B733922		1.63	<0.5	<5	60	144	0.005		
B733923		1.66	<0.5	<5	19	146	0.005		
B733924		2.06	<0.5	<5	13	67	0.011		
B733925		1.58	<0.5	<5	8	56	<0.005		
B733926		1.72	<0.5	<5	38	137	0.027		
B733927		1.69	<0.5	<5	38	147	<0.005		
B733928		2.52	<0.5	<5	61	190	0.005		
B733929		1.64	<0.5	<5	55	151	<0.005		
B733930		1.37	<0.5	<5	51	154	0.010		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21259045

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733931		2.11	<0.5	<5	16	61	0.007		
B733932		0.11	<0.5	<5	26	28	0.008		
B733933		1.75	<0.5	<5	61	148	0.006		
B733934		1.28	<0.5	<5	20	43	0.005		
B733935		1.31	<0.5	<5	18	31	0.010		
B733936		2.36	<0.5	<5	68	162	0.133		
B733937		2.28	<0.5	<5	12	56	<0.005		
B733938		1.51	<0.5	<5	9	44	0.016		
B733939		1.53	<0.5	<5	12	71	0.042		
B733940		1.57	<0.5	<5	8	35	0.088		
B733941		2.25	<0.5	<5	13	277	0.081		
B733942		2.24	<0.5	<5	14	55	0.059		
B733943		1.43	<0.5	<5	15	75	0.072		
B733944		1.79	<0.5	<5	14	52	0.009		
B733945		1.40	<0.5	<5	11	48	0.033		
B733946		0.07	1.5	16	42	90	1.100		
B733947		2.23	<0.5	<5	12	47	0.017		2.68
B733948		2.30	<0.5	<5	9	81	0.073		
B733949		1.21	<0.5	<5	10	46	0.134		
B733950		1.18	<0.5	<5	11	45	0.071		
B733951		1.12	64.7	6	1385	445		155.0	
B733952		1.10	<0.5	<5	14	63	0.025		
B733953		1.07	<0.5	<5	18	64	0.356		
B733954		1.09	0.6	<5	25	54	0.037		
B733955		1.33	<0.5	<5	7	60	0.008		
B733956		1.52	<0.5	<5	9	46	0.099		
B733957		2.00	<0.5	<5	5	75	0.009		
B733958		1.22	<0.5	<5	7	62	0.006		
B733959		1.59	<0.5	<5	9	73	0.012		
B733960		0.11	<0.5	<5	26	29	0.011		
B733961		2.11	<0.5	<5	2	127	<0.005		
B733962		2.27	<0.5	<5	14	55	0.009		
B733963		2.37	<0.5	<5	11	53	<0.005		2.66
B733964		1.65	<0.5	<5	31	42	0.006		
B733965		1.81	<0.5	<5	78	237	0.009		
B733966		1.80	<0.5	<5	81	240	0.007		
B733967		1.69	<0.5	<5	24	59	0.006		
B733968		2.16	<0.5	<5	73	241	0.006		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 2-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21259045

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-22
	LOG-23	PUL-31	PUL-QC	SPL-21
	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21266495

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 1-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21266495

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B733969		2.37	<0.5	<5	14	43	<0.005		
B733970		2.38	<0.5	<5	113	255	0.009		
B733971		2.04	<0.5	<5	52	162	0.005		
B733972		1.38	<0.5	<5	93	404	0.017		
B733973		1.70	<0.5	<5	92	359	0.018		
B733974		1.75	<0.5	<5	102	919	0.013		
B733975		1.52	<0.5	<5	92	109	0.013		
B733976		1.81	<0.5	<5	71	86	0.009		
B733977		1.44	<0.5	<5	25	57	0.136		
B733978		1.53	<0.5	<5	10	44	<0.005		
B733979		1.52	<0.5	<5	6	153	<0.005		
B733980		1.81	0.5	<5	21	119	<0.005		
B733981		2.56	<0.5	<5	32	116	<0.005		
B733982		2.24	<0.5	<5	47	139	0.005		
B733983		0.11	0.6	6560	52	72	6.31	NSS	
B733984		2.26	0.5	<5	37	206	0.005		
B733985		2.47	<0.5	<5	25	157	<0.005		
B733986		2.36	<0.5	<5	64	125	0.006		
B733987		2.54	<0.5	<5	44	110	<0.005		
B733988		2.39	<0.5	<5	13	117	<0.005		
B733989		2.49	<0.5	<5	35	150	<0.005		
B733990		2.44	<0.5	<5	92	236	0.006		
B733991		2.50	<0.5	<5	66	228	0.006		
B733992		2.33	<0.5	<5	100	143	0.007		
B733993		1.51	<0.5	<5	58	114	0.007		
B733994		1.54	0.6	<5	53	74	0.044		
B733995		1.00	<0.5	<5	93	95	0.012		
B733996		0.11	<0.5	<5	26	28	<0.005		
B733997		1.22	<0.5	<5	31	73	0.355		
B733998		1.81	<0.5	<5	36	106	0.006		
B733999		2.37	<0.5	<5	36	106	0.005		
B734000		2.44	<0.5	<5	43	161	<0.005		
B734001		2.24	0.6	<5	222	150	0.015		
B734002		1.30	<0.5	<5	163	114	0.016		
B734003		1.40	<0.5	<5	21	19	<0.005		
B734004		1.93	<0.5	<5	20	43	<0.005		
B734005		2.17	<0.5	<5	28	50	<0.005		
B734006		2.37	<0.5	<5	19	100	<0.005		
B734007		1.99	<0.5	<5	5	108	<0.005		
B734008		1.41	<0.5	<5	18	119	<0.005		

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21266495

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734009		0.07	1.3	17	42	93	1.075		
B734010		1.34	<0.5	<5	7	21	<0.005		
B734011		1.26	<0.5	<5	4	19	0.009		
B734012		1.62	<0.5	<5	44	184	<0.005		
B734013		1.91	<0.5	<5	26	204	<0.005		
B734014		1.15	<0.5	<5	3	141	<0.005		2.80
B734015		1.29	<0.5	<5	9	191	0.155		
B734016		1.31	<0.5	<5	9	183	<0.005		
B734017		2.45	<0.5	<5	12	213	<0.005		
B734018		1.50	<0.5	<5	4	143	<0.005		
B734019		1.39	<0.5	<5	8	155	<0.005		
B734020		1.50	<0.5	<5	5	48	0.011		
B734021		2.11	<0.5	<5	5	38	0.005		
B734022		0.11	<0.5	<5	25	28	<0.005		
B734023		2.01	<0.5	<5	4	33	<0.005		2.67
B734024		1.63	<0.5	<5	4	26	0.007		
B734025		1.05	<0.5	<5	3	23	0.045		
B734026		1.51	<0.5	<5	3	47	0.012		
B734027		2.31	<0.5	<5	3	163	<0.005		
B734028		2.17	<0.5	<5	4	173	0.007		
B734029		2.29	<0.5	<5	6	158	<0.005		
B734030		2.19	<0.5	<5	47	153	<0.005		
B734031		2.14	<0.5	<5	28	202	0.006		
B734032		2.16	<0.5	<5	34	216	0.008		
B734033		1.07	<0.5	<5	73	166	0.174		
B734034		1.02	0.8	<5	295	180	0.072		
B734035		2.25	<0.5	<5	93	156	0.149		
B734036		0.11	2.0	6150	51	69	6.75	6.24	
B734037		2.15	<0.5	7	5	77	0.036		
B734038		1.29	<0.5	<5	3	78	0.008		
B734039		1.04	<0.5	<5	27	78	0.010		
B734040		1.06	<0.5	<5	52	129	0.024		
B734041		1.14	<0.5	<5	53	173	0.008		
B734042		1.16	<0.5	<5	25	196	<0.005		
B734043		2.09	<0.5	<5	27	184	<0.005		
B734044		1.92	<0.5	<5	52	177	0.006		
B734045		2.05	<0.5	<5	106	159	0.005		
B734046		1.07	<0.5	<5	64	158	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 8-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21266495

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21268154

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 5-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268154

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734125	2.90	<0.5	<5	8	32	<0.005	
B734126	2.36	<0.5	<5	7	76	0.013	
B734127	2.33	<0.5	<5	10	79	<0.005	
B734128	2.32	<0.5	<5	8	80	<0.005	
B734129	2.04	<0.5	<5	35	156	<0.005	
B734130	1.16	<0.5	<5	8	85	<0.005	
B734131	2.20	<0.5	<5	13	146	<0.005	
B734132	1.73	<0.5	<5	12	82	<0.005	
B734133	1.79	<0.5	<5	6	75	<0.005	
B734134	2.15	<0.5	<5	12	67	<0.005	
B734135	2.32	<0.5	<5	5	70	<0.005	
B734136	2.14	<0.5	<5	6	60	<0.005	
B734137	2.22	<0.5	<5	9	61	<0.005	
B734138	2.23	<0.5	<5	6	58	<0.005	
B734139	0.11	6.1	31	419	548	0.818	
B734140	2.18	<0.5	<5	16	117	0.344	
B734141	2.15	<0.5	<5	6	47	<0.005	
B734142	2.30	<0.5	<5	8	55	<0.005	
B734143	2.50	<0.5	<5	51	192	0.027	
B734144	2.29	<0.5	<5	66	175	0.009	
B734145	2.24	<0.5	<5	66	188	0.019	
B734146	2.36	<0.5	<5	75	135	0.142	
B734147	2.17	<0.5	<5	15	60	0.008	
B734148	2.23	<0.5	<5	16	53	0.067	
B734149	1.22	<0.5	<5	9	83	0.124	
B734150	0.95	<0.5	<5	10	92	0.018	
B734151	2.28	<0.5	<5	10	66	<0.005	
B734152	0.11	1.0	6300	52	68	6.65	NSS
B734153	2.13	<0.5	<5	9	53	<0.005	
B734154	2.40	<0.5	<5	11	68	<0.005	
B734155	1.70	<0.5	<5	16	74	0.012	
B734156	1.08	<0.5	<5	14	61	1.915	
B734157	1.64	<0.5	<5	8	74	0.472	
B734158	2.18	<0.5	<5	7	71	0.006	
B734159	2.20	<0.5	<5	11	64	0.006	
B734160	2.12	<0.5	<5	10	60	<0.005	
B734161	1.33	<0.5	<5	13	68	<0.005	
B734162	1.70	<0.5	<5	63	114	0.010	
B734163	2.42	<0.5	<5	22	65	0.026	
B734164	1.92	<0.5	<5	9	85	<0.005	

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268154

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734165	1.11	<0.5	<5	40	62	0.013	
B734166	0.11	<0.5	<5	24	26	0.006	
B734167	1.44	<0.5	<5	40	61	0.044	
B734168	2.05	<0.5	<5	5	21	0.022	
B734169	1.02	<0.5	<5	6	23	0.009	
B734170	0.76	<0.5	<5	5	15	<0.005	
B734171	2.63	<0.5	<5	2	31	<0.005	
B734172	1.14	<0.5	<5	10	61	0.087	
B734173	1.14	<0.5	<5	12	78	0.053	
B734174	2.23	<0.5	<5	12	96	0.245	
B734175	2.31	<0.5	<5	12	75	0.017	
B734176	2.38	<0.5	<5	7	79	0.024	
B734177	2.02	<0.5	<5	5	74	<0.005	
B734178	1.17	<0.5	<5	18	59	1.960	
B734179	1.14	<0.5	<5	4	84	0.006	
B734180	0.11	5.6	29	421	540	0.851	
B734181	2.15	<0.5	<5	4	92	0.008	
B734182	2.30	<0.5	<5	7	98	0.117	
B734183	2.18	<0.5	<5	4	85	<0.005	
B734184	1.17	<0.5	<5	6	81	0.080	
B734185	1.18	<0.5	<5	3	83	<0.005	
B734186	2.28	<0.5	<5	7	105	0.085	
B734187	2.44	<0.5	<5	8	99	<0.005	
B734188	1.86	<0.5	<5	28	117	0.005	
B734189	0.99	<0.5	<5	27	161	0.671	
B734190	1.71	<0.5	<5	21	98	0.015	
B734191	2.05	<0.5	<5	10	114	<0.005	
B734192	2.26	<0.5	<5	16	163	0.029	
B734193	2.22	<0.5	<5	10	86	0.033	
B734194	0.11	<0.5	<5	25	27	<0.005	
B734195	2.15	<0.5	<5	8	112	<0.005	
B734196	1.80	<0.5	<5	29	109	0.023	
B734197	1.01	<0.5	<5	27	110	0.736	
B734198	1.70	<0.5	<5	27	73	0.028	
B734199	2.29	<0.5	<5	7	75	0.005	
B734200	1.25	<0.5	<5	3	37	0.005	
B734201	1.70	<0.5	5	7	26	0.785	
B734202	1.85	<0.5	<5	8	24	0.015	

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268154

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21268156

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 5-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268156

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734047	2.57	<0.5	<5	15	44	0.005		
B734048	1.36	<0.5	<5	30	183	<0.005		
B734049	1.53	<0.5	<5	38	184	<0.005		
B734050	1.73	<0.5	<5	24	82	<0.005		
B734051	2.16	<0.5	<5	19	115	0.006		
B734052	1.72	<0.5	<5	97	189	0.063		
B734053	2.57	<0.5	<5	102	187	0.028		
B734054	2.24	<0.5	<5	12	72	<0.005		
B734055	1.51	<0.5	<5	40	62	0.005		
B734056	1.60	<0.5	<5	42	138	<0.005		
B734057	1.71	<0.5	<5	48	120	0.018		
B734058	1.08	<0.5	<5	48	113	0.069		
B734059	0.11	6.0	31	426	580	0.769		
B734060	1.69	<0.5	<5	47	115	0.005		2.79
B734061	1.54	<0.5	<5	21	121	<0.005		
B734062	1.49	<0.5	<5	98	43	0.017		
B734063	1.90	<0.5	<5	28	87	0.013		
B734064	2.05	<0.5	<5	28	123	0.024		
B734065	1.81	<0.5	<5	62	132	0.007		
B734066	1.84	<0.5	<5	13	68	<0.005		
B734067	2.42	<0.5	<5	36	153	0.005		
B734068	1.27	<0.5	<5	33	180	0.008		
B734069	1.49	<0.5	<5	11	77	<0.005		
B734070	2.35	<0.5	<5	5	52	<0.005		
B734071	2.01	<0.5	<5	5	66	<0.005		
B734072	3.00	<0.5	<5	38	156	<0.005		
B734073	0.11	<0.5	<5	25	28	<0.005		
B734074	2.39	<0.5	<5	47	140	<0.005		3.06
B734075	2.13	<0.5	<5	40	147	0.007		
B734076	1.82	<0.5	<5	11	84	0.008		
B734077	1.91	<0.5	<5	6	59	0.010		
B734078	1.48	<0.5	<5	8	62	0.005		
B734079	2.13	<0.5	<5	9	55	0.008		
B734080	2.27	<0.5	<5	16	60	0.011		
B734081	1.08	<0.5	<5	8	65	0.010		
B734082	1.16	<0.5	<5	24	66	2.19		
B734083	1.00	<0.5	<5	22	58	0.009		
B734084	1.04	<0.5	<5	17	57	0.005		
B734085	1.14	<0.5	<5	9	55	<0.005		
B734086	0.11	0.9	6310	50	69	5.97	6.47	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268156

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734087		1.16	<0.5	6	28	56	0.033		
B734088		1.28	<0.5	<5	27	66	0.815		
B734089		1.59	<0.5	<5	9	89	0.028		
B734090		1.66	<0.5	<5	34	63	0.034		
B734091		1.16	<0.5	<5	15	66	0.131		
B734092		1.16	<0.5	<5	12	69	0.018		
B734093		2.32	<0.5	<5	32	79	0.101		
B734094		1.15	<0.5	<5	23	83	0.040		
B734095		1.06	<0.5	<5	32	80	0.255		
B734096		2.20	<0.5	<5	24	65	<0.005		
B734097		2.18	0.8	<5	571	87	0.048		
B734098		2.23	2.2	<5	832	102	0.075		
B734099		0.11	<0.5	<5	26	27	<0.005		
B734100		1.26	<0.5	<5	13	62	<0.005		
B734101		1.11	<0.5	<5	12	46	0.127		
B734102		1.92	<0.5	<5	6	69	0.008		
B734103		2.12	<0.5	<5	11	67	0.010		
B734104		2.09	<0.5	<5	14	85	<0.005		
B734105		2.16	<0.5	<5	10	52	0.010		
B734106		1.94	<0.5	<5	11	113	<0.005		
B734107		2.09	<0.5	<5	45	99	0.027		
B734108		1.06	<0.5	<5	45	138	0.009		
B734109		1.16	<0.5	<5	48	160	0.013		
B734110		1.95	<0.5	<5	26	95	1.755		
B734111		2.29	<0.5	<5	7	52	0.008		
B734112		0.11	6.4	31	425	568	0.744		
B734113		2.14	<0.5	<5	3	68	0.006		
B734114		2.12	<0.5	<5	5	62	<0.005		
B734115		2.23	<0.5	<5	3	71	0.005		
B734116		2.24	<0.5	<5	9	75	0.270		
B734117		2.20	<0.5	<5	8	71	<0.005		
B734118		2.20	<0.5	<5	4	79	<0.005		
B734119		2.18	<0.5	<5	5	74	<0.005		
B734120		2.24	<0.5	<5	6	64	<0.005		2.73
B734121		2.09	<0.5	<5	18	76	0.088		
B734122		2.16	<0.5	<5	28	68	0.041		
B734123		2.22	<0.5	<5	10	76	<0.005		
B734124		2.25	<0.5	<5	14	73	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268156

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21268155

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 5-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268155

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Zn-OG62 Zn % 0.001	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734203	2.76	<0.5	<5	11	25		<0.005		
B734204	2.37	<0.5	<5	8	38		0.009		
B734205	1.42	1.9	<5	12	86		0.028		
B734206	1.10	<0.5	<5	16	65		0.038		
B734207	1.12	<0.5	<5	13	239		0.012		
B734208	1.07	50.3	<5	151	>10000	2.27	2.04		
B734209	1.61	<0.5	<5	13	75		0.018		
B734210	1.42	<0.5	<5	19	430		0.009		
B734211	1.29	<0.5	<5	11	48		0.016		
B734212	2.20	<0.5	<5	19	294		0.067		
B734213	1.41	<0.5	<5	9	46		0.029		
B734214	1.14	<0.5	<5	6	198		0.169		
B734215	1.38	<0.5	<5	10	55		0.015		
B734216	1.67	<0.5	<5	7	138		0.014		
B734217	0.07	0.9	6290	50	70		6.56	NSS	
B734218	1.70	<0.5	<5	4	219		0.301		
B734219	2.30	<0.5	<5	18	123		0.078		
B734220	2.32	<0.5	<5	5	117		<0.005		
B734221	2.30	<0.5	<5	11	180		0.041		
B734222	2.26	<0.5	<5	11	88		<0.005		
B734223	2.36	<0.5	<5	9	93		<0.005		
B734224	1.31	<0.5	<5	4	86		<0.005		
B734225	1.17	<0.5	<5	54	87		<0.005		
B734226	1.27	<0.5	<5	9	95		0.012		
B734227	2.13	<0.5	<5	69	187		0.012		
B734228	2.16	<0.5	<5	62	117		0.008		
B734229	2.16	<0.5	<5	63	104		0.007		
B734230	0.11	<0.5	<5	26	30		0.016		
B734231	2.29	<0.5	<5	60	94		0.009		
B734232	1.53	<0.5	<5	56	85		0.028		
B734233	1.61	<0.5	<5	74	108		0.011		
B734234	1.63	<0.5	<5	69	105		0.010		
B734235	1.10	<0.5	<5	67	116		0.013		
B734236	1.22	<0.5	<5	59	131		0.017		
B734237	2.26	<0.5	<5	44	118		0.010		
B734238	1.73	<0.5	<5	22	75		0.011		
B734239	1.09	<0.5	<5	61	184		0.019		
B734240	1.78	<0.5	<5	70	131		0.012		
B734241	2.19	<0.5	<5	58	101		0.009		
B734242	2.26	<0.5	<5	57	93		0.007		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268155

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Zn-OG62 Zn % 0.001	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734243	0.11	10.4	25	421	584		0.816		
B734244	2.24	<0.5	<5	76	96		0.024		
B734245	1.18	<0.5	<5	56	101		0.032		
B734246	1.05	<0.5	<5	94	119		0.011		
B734247	1.27	<0.5	<5	70	124		0.012		
B734248	1.04	<0.5	<5	66	126		0.011		
B734249	1.70	<0.5	<5	30	158		0.008		
B734250	1.44	<0.5	<5	46	152		0.013		
B734251	1.40	<0.5	<5	47	209		0.011		
B734252	2.20	<0.5	<5	71	198		0.023		
B734253	2.15	<0.5	<5	43	206		0.014		
B734254	2.09	<0.5	<5	47	180		0.009		
B734255	2.02	<0.5	<5	18	103		0.044		
B734256	0.11	<0.5	<5	25	28		<0.005		
B734257	1.15	<0.5	<5	14	110		0.114		
B734258	1.05	<0.5	<5	14	104		0.032		
B734259	2.05	<0.5	<5	18	117		0.011		2.67
B734260	2.19	<0.5	<5	27	83		0.005		
B734261	2.14	<0.5	<5	8	75		<0.005		
B734262	2.02	<0.5	<5	25	59		0.005		
B734263	2.27	<0.5	<5	41	156		0.005		
B734264	2.21	<0.5	<5	51	98		0.005		
B734265	2.18	<0.5	<5	73	99		<0.005		
B734266	2.04	<0.5	<5	95	96		0.005		
B734267	2.22	<0.5	<5	36	101		<0.005		
B734268	2.17	<0.5	<5	47	98		0.013		
B734269	1.07	0.6	<5	90	95		0.006		
B734270	0.07	0.9	6160	50	70		6.53	NSS	
B734271	1.12	0.8	<5	59	105		0.006		
B734272	2.08	0.5	<5	68	117		0.006		
B734273	1.78	<0.5	<5	48	201		0.006		
B734274	1.47	<0.5	<5	42	78		<0.005		
B734275	1.43	<0.5	<5	31	131		0.173		
B734276	1.94	<0.5	<5	43	112		0.024		
B734277	2.20	<0.5	<5	31	140		0.005		
B734278	2.17	<0.5	<5	22	136		0.129		
B734279	2.24	<0.5	<5	15	139		<0.005		
B734280	1.34	<0.5	<5	4	117		<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 11-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21268155

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.

Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	ME-OG62
	OA-GRA08b	Zn-OG62		

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21270744

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 7-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21270744

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734281	2.87	<0.5	<5	14	22	<0.005		
B734282	1.89	<0.5	<5	7	79	0.072		
B734283	1.34	<0.5	<5	2	132	<0.005		
B734284	1.29	<0.5	7	45	70	<0.005		
B734285	1.06	<0.5	5	54	69	<0.005		
B734286	2.34	<0.5	8	57	79	<0.005		
B734287	2.25	<0.5	7	24	79	<0.005		
B734288	1.32	<0.5	6	57	83	<0.005		
B734289	0.95	<0.5	7	61	82	<0.005		
B734290	2.40	<0.5	<5	65	90	<0.005		
B734291	2.39	<0.5	5	73	89	<0.005		
B734292	2.48	<0.5	<5	67	94	<0.005		2.86
B734293	0.11	5.8	31	418	554	0.801		
B734294	2.34	<0.5	5	78	90	<0.005		
B734295	2.05	<0.5	<5	64	91	<0.005		
B734296	2.42	<0.5	5	68	94	<0.005		
B734297	2.14	<0.5	<5	71	82	<0.005		
B734298	2.29	<0.5	5	70	94	<0.005		
B734299	2.15	<0.5	<5	66	91	<0.005		
B734300	2.29	<0.5	<5	65	91	<0.005		
B734301	2.20	<0.5	<5	83	92	<0.005		
B734302	2.32	<0.5	<5	77	96	<0.005		
B734303	2.23	<0.5	<5	58	91	<0.005		
B734304	2.18	<0.5	<5	57	81	0.010		
B734305	2.11	<0.5	<5	65	73	0.010		
B734306	2.24	<0.5	<5	92	70	<0.005		
B734307	0.11	<0.5	<5	26	27	<0.005		
B734308	2.13	<0.5	<5	70	90	0.005		
B734309	2.32	<0.5	<5	68	90	0.005		
B734310	2.26	<0.5	<5	44	91	<0.005		
B734311	2.12	<0.5	<5	61	90	<0.005		
B734312	2.24	<0.5	<5	93	97	0.010		
B734313	2.02	<0.5	<5	10	90	<0.005		
B734314	1.55	<0.5	<5	61	90	0.007		
B734315	1.43	<0.5	<5	48	88	0.007		
B734316	1.82	<0.5	<5	64	98	0.012		
B734317	2.10	<0.5	<5	53	95	0.013		
B734318	1.92	<0.5	<5	61	95	0.008		
B734319	1.19	<0.5	<5	86	93	0.010		
B734320	0.07	0.9	6120	51	69	6.78	NSS	

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21270744

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734321	1.23	<0.5	<5	84	94	0.013		
B734322	2.24	<0.5	<5	62	95	0.006		
B734323	1.17	<0.5	<5	70	98	<0.005		
B734324	2.31	<0.5	<5	81	98	<0.005		
B734325	2.47	<0.5	<5	89	110	<0.005		
B734326	1.45	<0.5	<5	65	112	<0.005		
B734327	1.19	<0.5	<5	11	48	<0.005		
B734328	1.86	<0.5	<5	25	44	<0.005		
B734329	2.14	<0.5	<5	14	46	<0.005		
B734330	1.92	<0.5	<5	14	47	0.008		
B734331	2.40	<0.5	<5	77	106	<0.005		
B734332	1.15	<0.5	<5	76	101	<0.005		
B734333	0.11	<0.5	<5	25	28	<0.005		
B734334	1.56	<0.5	<5	72	108	<0.005		
B734335	1.74	<0.5	<5	21	34	0.049		
B734336	1.24	<0.5	<5	23	20	0.104		
B734337	1.65	<0.5	<5	85	108	0.006		
B734338	1.72	<0.5	<5	77	94	0.007		
B734339	2.35	<0.5	<5	83	98	<0.005		
B734340	2.41	<0.5	<5	59	126	0.110		
B734341	2.38	<0.5	<5	62	163	0.011		
B734342	1.44	<0.5	<5	65	114	0.010		
B734343	1.42	<0.5	<5	64	105	0.022		
B734344	1.22	<0.5	<5	71	109	0.031		
B734345	1.37	<0.5	<5	15	27	0.055		
B734346	0.11	6.1	27	416	566	0.832		
B734347	1.45	<0.5	<5	15	40	0.112		2.71
B734348	1.32	<0.5	<5	17	39	0.072		
B734349	1.21	<0.5	<5	12	36	0.095		
B734350	1.80	<0.5	<5	43	136	0.156		
B734351	2.23	<0.5	<5	80	139	0.008		
B734352	2.41	<0.5	<5	69	109	<0.005		
B734353	1.53	<0.5	<5	43	64	<0.005		
B734354	1.99	<0.5	<5	73	101	<0.005		
B734355	2.29	<0.5	<5	51	174	<0.005		
B734356	2.33	<0.5	<5	29	167	<0.005		
B734357	1.49	<0.5	<5	36	237	<0.005		
B734358	1.28	<0.5	<5	59	285	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 10-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21270744

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21276479

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 13-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21276479

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734359		2.93	<0.5	<5	11	22	<0.005	
B734360		2.01	<0.5	<5	50	218	<0.005	
B734361		2.46	<0.5	<5	63	130	0.005	
B734362		2.36	0.6	5	70	102	<0.005	
B734363		2.47	<0.5	<5	66	120	0.005	
B734364		2.46	<0.5	<5	42	143	0.011	
B734365		2.33	<0.5	<5	42	187	0.005	
B734366		2.47	<0.5	<5	39	197	0.021	
B734367		1.87	<0.5	<5	36	276	<0.005	
B734368		1.79	<0.5	<5	10	198	<0.005	
B734369		1.28	<0.5	<5	17	196	0.005	
B734370		2.35	<0.5	<5	20	270	0.011	
B734371		2.40	<0.5	<5	20	311	0.044	
B734372		1.69	<0.5	<5	14	313	0.013	
B734373		0.11	6.3	30	435	592	0.843	
B734374		1.29	<0.5	<5	12	186	0.005	
B734375		1.64	<0.5	<5	11	233	0.013	
B734376		2.30	<0.5	<5	13	253	0.022	
B734377		1.60	0.5	<5	20	247	0.256	
B734378		1.75	<0.5	<5	16	190	0.006	
B734379		1.89	<0.5	<5	13	189	0.010	
B734380		2.40	<0.5	<5	13	308	0.036	
B734381		2.60	0.9	<5	17	250	0.080	
B734382		1.11	<0.5	<5	32	318	0.036	
B734383		1.14	<0.5	<5	29	326	0.022	
B734384		1.52	<0.5	<5	24	428	0.014	
B734385		1.44	0.6	<5	27	326	0.638	
B734386		0.07	0.8	6440	53	74	6.23	NSS
B734387		1.86	<0.5	5	6	34	0.009	
B734388		1.44	<0.5	<5	10	30	0.009	
B734389		1.86	<0.5	<5	10	31	<0.005	
B734390		1.54	<0.5	<5	17	117	<0.005	
B734391		1.86	<0.5	<5	18	92	<0.005	
B734392		2.37	<0.5	<5	6	119	<0.005	
B734393		2.42	<0.5	<5	36	250	<0.005	
B734394		1.92	<0.5	<5	29	182	<0.005	
B734395		2.30	<0.5	<5	8	105	<0.005	
B734396		2.41	<0.5	<5	27	147	<0.005	
B734397		2.20	<0.5	<5	18	161	<0.005	
B734398		2.17	<0.5	<5	32	278	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21276479

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734399	2.16	0.5	<5	37	363	<0.005	
B734400	0.11	<0.5	<5	25	24	<0.005	
B734401	2.20	0.5	<5	73	273	0.007	
B734402	1.41	<0.5	<5	50	168	0.012	
B734403	1.34	0.6	<5	69	208	0.543	
B734404	1.35	0.7	6	7	54	2.72	
B734405	1.27	<0.5	<5	46	162	0.300	
B734406	1.30	<0.5	<5	77	161	0.011	
B734407	2.26	<0.5	<5	12	77	<0.005	
B734408	2.24	<0.5	<5	16	64	<0.005	
B734409	1.58	<0.5	<5	15	52	<0.005	
B734410	2.46	<0.5	<5	21	32	<0.005	
B734411	1.86	<0.5	<5	35	38	<0.005	
B734412	1.30	<0.5	<5	26	36	0.011	
B734413	2.38	<0.5	<5	14	40	<0.005	
B734414	0.11	5.9	29	428	583	0.824	
B734415	2.36	<0.5	<5	33	35	<0.005	
B734416	2.49	<0.5	<5	30	38	0.005	
B734417	2.22	<0.5	<5	22	163	0.005	
B734418	2.47	<0.5	<5	10	250	<0.005	
B734419	2.41	<0.5	<5	15	109	<0.005	
B734420	2.22	<0.5	<5	21	45	<0.005	
B734421	2.21	<0.5	<5	24	38	<0.005	
B734422	2.46	<0.5	<5	29	42	0.005	
B734423	2.34	<0.5	<5	25	40	<0.005	
B734424	2.62	<0.5	<5	34	56	<0.005	
B734425	2.22	<0.5	<5	18	61	<0.005	
B734426	2.39	<0.5	<5	46	195	0.009	
B734427	2.34	<0.5	<5	33	160	0.005	
B734428	0.11	<0.5	<5	25	24	<0.005	
B734429	2.22	<0.5	<5	27	123	0.006	
B734430	2.30	<0.5	<5	30	84	0.006	
B734431	2.30	<0.5	<5	19	89	<0.005	
B734432	1.39	<0.5	<5	17	110	<0.005	
B734433	1.68	<0.5	<5	17	73	<0.005	
B734434	1.31	<0.5	<5	28	87	<0.005	
B734435	1.90	<0.5	<5	17	68	0.006	
B734436	1.19	<0.5	<5	43	136	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 12-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21276479

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21277855

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 14-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21277855

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734437		2.62	<0.5	<5	10	25	<0.005		
B734438		1.63	<0.5	<5	16	84	<0.005		
B734439		2.47	<0.5	<5	15	61	<0.005		
B734440		2.35	<0.5	<5	16	75	<0.005		
B734441		2.44	<0.5	<5	19	69	<0.005		
B734442		2.19	<0.5	<5	14	84	<0.005		
B734443		2.44	<0.5	<5	17	95	<0.005		
B734444		1.02	<0.5	<5	9	63	<0.005		
B734445		1.05	<0.5	<5	9	65	<0.005		
B734446		2.42	<0.5	<5	6	64	<0.005		
B734447		2.56	<0.5	<5	7	101	<0.005		
B734448		2.45	<0.5	<5	18	67	0.006		2.71
B734449		2.33	<0.5	<5	25	60	<0.005		
B734450		2.36	<0.5	<5	36	120	<0.005		
B734451		0.07	0.7	6210	50	70	6.56	NSS	
B734452		2.35	<0.5	10	25	177	0.005		
B734453		2.31	<0.5	<5	26	109	<0.005		
B734454		2.20	<0.5	<5	47	125	0.005		
B734455		2.35	<0.5	<5	28	66	<0.005		
B734456		2.43	<0.5	<5	42	83	<0.005		
B734457		2.18	<0.5	<5	58	61	<0.005		
B734458		2.13	<0.5	<5	49	122	0.006		
B734459		2.34	<0.5	<5	44	121	<0.005		3.01
B734460		2.11	<0.5	6	41	200	0.044		
B734461		2.09	<0.5	25	24	108	0.142		
B734462		1.90	<0.5	17	18	123	0.013		
B734463		2.41	<0.5	15	23	302	0.013		
B734464		0.11	<0.5	<5	26	29	<0.005		
B734465		1.97	<0.5	5	24	224	0.005		
B734466		1.08	<0.5	<5	22	195	0.006		2.69
B734467		1.03	<0.5	<5	36	318	<0.005		
B734468		2.21	1.3	12	53	356	0.005		
B734469		2.18	0.5	<5	47	291	<0.005		
B734470		2.16	0.6	9	54	310	1.140		
B734471		2.02	<0.5	<5	13	71	0.034		
B734472		2.01	<0.5	<5	7	21	0.029		
B734473		1.90	<0.5	<5	7	21	0.083		
B734474		1.97	<0.5	<5	6	22	0.092		
B734475		1.87	<0.5	<5	3	20	0.025		2.72
B734476		2.06	<0.5	<5	9	23	0.053		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21277855

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734477		0.11	5.8	30	427	584	0.877		
B734478		1.95	<0.5	<5	3	23	0.027		
B734479		2.09	<0.5	<5	5	22	0.018		
B734480		1.91	<0.5	<5	6	21	0.284		
B734481		2.41	<0.5	<5	9	40	0.005		
B734482		1.82	<0.5	19	26	615	0.011		
B734483		2.09	<0.5	36	17	482	0.013		
B734484		2.83	<0.5	45	30	653	0.054		
B734485		1.59	<0.5	7	60	352	0.010		
B734486		2.93	<0.5	7	71	268	0.012		
B734487		2.33	<0.5	6	65	199	0.007		
B734488		2.58	<0.5	5	69	177	0.008		
B734489		1.76	<0.5	77	26	872	0.035		
B734490		0.11	<0.5	<5	25	29	<0.005		
B734491		2.25	<0.5	57	26	668	0.055		
B734492		2.18	<0.5	47	19	485	0.044		
B734493		2.26	<0.5	50	18	376	0.036		2.87
B734494		1.17	<0.5	37	30	200	0.016		
B734495		1.18	<0.5	<5	75	150	0.011		
B734496		1.67	<0.5	7	61	143	0.008		
B734497		1.14	<0.5	19	30	82	0.015		
B734498		1.79	<0.5	15	22	77	0.091		
B734499		1.44	<0.5	7	10	103	<0.005		
B734500		1.29	<0.5	28	19	91	0.006		
B734501		1.59	<0.5	5	52	146	0.006		
B734502		2.37	<0.5	<5	72	106	0.006		2.84
B734503		2.42	<0.5	<5	59	94	0.005		
B734504		0.07	0.7	6190	49	69	6.53	NSS	
B734505		2.31	<0.5	8	73	101	0.013		
B734506		2.40	<0.5	<5	91	104	0.324		
B734507		1.44	<0.5	<5	69	120	0.009		
B734508		2.77	<0.5	<5	10	35	<0.005		
B734509		2.49	<0.5	<5	13	46	0.013		2.65
B734510		2.02	<0.5	<5	8	39	<0.005		
B734511		1.85	2.0	<5	8	44	0.067		
B734512		2.42	<0.5	<5	14	103	0.081		
B734513		2.08	<0.5	<5	10	147	<0.005		
B734514		2.24	<0.5	16	15	132	0.011		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21277855

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21281025

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 15-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21281025

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734515		2.60	<0.5	<5	14	44	<0.005	
B734516		2.33	<0.5	33	19	150	0.096	
B734517		2.00	<0.5	5	19	197	0.009	
B734518		2.09	<0.5	<5	14	172	0.006	
B734519		2.00	<0.5	15	16	163	0.050	
B734520		2.23	<0.5	12	19	173	0.010	
B734521		2.18	<0.5	14	16	183	0.016	
B734522		2.27	<0.5	6	17	194	0.010	
B734523		2.20	<0.5	12	17	190	0.040	
B734524		2.23	<0.5	11	18	165	0.040	
B734525		2.21	<0.5	5	11	199	0.008	
B734526		2.41	<0.5	12	14	196	0.014	
B734527		0.11	6.1	32	421	579	0.816	
B734528		2.45	<0.5	26	16	186	0.029	
B734529		2.37	<0.5	13	19	291	0.056	
B734530		1.13	<0.5	<5	21	886	0.012	
B734531		1.16	<0.5	57	23	851	0.108	
B734532		1.24	<0.5	24	21	119	0.026	
B734533		1.16	<0.5	12	29	94	0.011	
B734534		2.28	<0.5	<5	23	111	<0.005	
B734535		2.29	<0.5	<5	43	170	0.008	
B734536		1.79	<0.5	<5	38	162	0.010	
B734537		2.75	<0.5	5	52	161	0.032	
B734538		2.41	<0.5	5	43	131	0.029	
B734539		2.34	<0.5	5	44	164	0.008	
B734540		2.65	<0.5	<5	51	185	0.010	
B734541		0.11	<0.5	<5	27	29	<0.005	
B734542		1.61	<0.5	<5	15	157	<0.005	
B734543		2.31	<0.5	<5	12	65	<0.005	
B734544		2.12	<0.5	<5	16	66	<0.005	
B734545		2.07	<0.5	<5	15	63	<0.005	
B734546		2.08	<0.5	<5	15	56	0.006	
B734547		2.38	<0.5	<5	13	54	0.030	
B734548		2.26	<0.5	<5	11	73	0.107	
B734549		2.41	<0.5	<5	13	53	0.006	
B734550		2.35	<0.5	<5	11	50	<0.005	
B734551		2.27	<0.5	<5	10	66	0.006	
B734552		2.25	<0.5	<5	10	64	0.207	
B734553		2.16	<0.5	<5	13	67	0.006	
B734554		0.07	0.9	5780	51	71	6.50	NSS

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21281025

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734555		2.17	<0.5	7	11	59	0.022	
B734556		2.12	<0.5	<5	11	60	<0.005	
B734557		2.16	<0.5	<5	7	58	0.045	
B734558		2.22	<0.5	<5	10	56	0.008	
B734559		2.28	<0.5	<5	8	60	0.005	
B734560		2.14	<0.5	<5	20	86	0.113	
B734561		2.12	<0.5	<5	9	58	0.023	
B734562		2.00	<0.5	<5	19	81	0.184	
B734563		2.17	<0.5	<5	9	56	0.023	
B734564		2.08	0.7	<5	28	58	0.435	
B734565		1.99	<0.5	<5	12	67	0.006	
B734566		1.95	<0.5	<5	11	65	0.039	
B734567		0.11	<0.5	<5	27	28	0.005	
B734568		1.93	<0.5	<5	12	69	0.005	
B734569		2.30	0.6	<5	12	204	0.005	
B734570		2.12	0.6	<5	11	88	0.054	
B734571		1.84	0.5	<5	7	61	0.021	
B734572		2.06	<0.5	<5	10	55	0.047	
B734573		2.07	<0.5	<5	9	66	0.007	
B734574		2.20	<0.5	<5	12	227	0.009	
B734575		2.12	0.7	<5	14	129	0.006	
B734576		2.16	<0.5	<5	10	86	0.007	
B734577		1.98	<0.5	<5	11	77	0.006	
B734578		1.88	<0.5	<5	8	67	<0.005	
B734579		1.93	<0.5	<5	15	63	0.224	
B734580		0.11	6.1	29	417	541	0.810	
B734581		2.07	<0.5	<5	11	66	0.008	
B734582		1.97	<0.5	<5	18	69	0.099	
B734583		2.04	<0.5	<5	17	59	0.005	
B734584		2.02	<0.5	<5	50	106	0.011	
B734585		1.22	1.1	<5	416	183	0.076	
B734586		2.78	<0.5	<5	9	104	<0.005	
B734587		2.38	<0.5	<5	14	122	<0.005	
B734588		2.28	<0.5	<5	3	58	<0.005	
B734589		1.00	<0.5	<5	14	66	<0.005	
B734590		1.03	<0.5	<5	9	69	<0.005	
B734591		2.05	<0.5	<5	14	82	<0.005	
B734592		2.70	0.5	<5	10	75	<0.005	

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 16-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21281025

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21282547

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 19-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282547

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Ag-OG62 Ag ppm 1	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734671		2.42	<0.5	<5	16	43		<0.005			
B734672		1.76	<0.5	<5	3	82		<0.005			
B734673		2.07	<0.5	<5	2	73		<0.005			
B734674		1.84	<0.5	<5	2	87		<0.005			
B734675		1.89	<0.5	<5	2	87		<0.005			
B734676		2.08	<0.5	<5	2	77		0.011			
B734677		2.59	<0.5	<5	3	78		<0.005			
B734678		1.94	<0.5	<5	4	78		0.053			
B734679		2.37	<0.5	11	9	137		0.119			
B734680		2.10	<0.5	<5	8	74		<0.005			
B734681		2.24	<0.5	<5	10	82		<0.005			
B734682		2.07	<0.5	<5	12	83		<0.005			
B734683		2.47	<0.5	<5	40	77		0.012			
B734684		2.27	<0.5	<5	43	227		0.037			
B734685		0.07	1.3	6480	53	68		6.61	NSS		
B734686		2.24	<0.5	<5	11	45		0.010			
B734687		2.00	<0.5	<5	5	56		0.013			
B734688		1.93	<0.5	<5	6	53		1.255			
B734689		2.12	<0.5	<5	12	81		0.019			
B734690		2.19	<0.5	<5	7	59		<0.005			
B734691		2.13	<0.5	<5	4	60		0.005			
B734692		2.02	<0.5	<5	8	64		<0.005			
B734693		0.93	<0.5	<5	5	51		<0.005			
B734694		1.92	<0.5	<5	3	60		<0.005			
B734695		1.88	<0.5	<5	3	59		<0.005			
B734696		1.89	<0.5	<5	38	59		<0.005			
B734697		1.96	<0.5	<5	7	57		0.359			
B734698		0.11	<0.5	<5	25	27		0.005			
B734699		0.52	<0.5	<5	8	54		0.236			
B734700		0.39	<0.5	<5	6	53		0.077			
B734701		2.06	<0.5	<5	54	95		0.006			
B734702		1.98	<0.5	<5	68	121		0.007			
B734703		0.93	<0.5	6	73	88		0.006			
B734704		1.48	<0.5	6	68	142		0.008			
B734705		1.56	<0.5	<5	91	103		0.007			
B734706		2.28	<0.5	<5	38	82		<0.005			
B734707		2.22	<0.5	<5	31	131		0.906			
B734708		2.13	<0.5	<5	21	69		0.059			
B734709		2.16	<0.5	<5	21	71		0.006			2.79
B734710		2.07	<0.5	<5	22	63		0.123			

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282547

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Ag-OG62 Ag ppm 1	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734711		0.11	6.2	34	442	592		0.806			
B734712		1.45	<0.5	<5	26	61		0.006			
B734713		1.37	<0.5	9	61	134		0.011			
B734714		1.65	<0.5	<5	53	116		0.006			
B734715		2.26	<0.5	<5	73	94		0.005			
B734716		2.22	<0.5	<5	70	98		0.005			
B734717		2.16	<0.5	<5	69	118		0.005			
B734718		2.26	<0.5	<5	73	115		<0.005			
B734719		2.26	<0.5	<5	87	92		<0.005			
B734720		2.10	<0.5	<5	69	92		<0.005			
B734721		2.20	<0.5	<5	66	84		0.005			
B734722		2.40	<0.5	<5	63	95		0.005			
B734723		2.32	<0.5	<5	37	131		0.009			
B734724		0.11	<0.5	<5	25	28		<0.005			
B734725		2.30	<0.5	<5	53	116		0.007			
B734726		2.23	<0.5	<5	76	108		0.011			
B734727		2.14	<0.5	<5	64	84		0.029			
B734728		2.22	<0.5	<5	58	102		0.008			
B734729		2.18	<0.5	<5	85	127		0.006			
B734730		2.38	<0.5	<5	66	112		0.006			
B734731		2.12	<0.5	7	68	130		0.009			
B734732		2.22	<0.5	<5	67	132		0.006			
B734733		1.86	<0.5	<5	50	132		0.007			
B734734		2.53	<0.5	<5	59	158		0.009			
B734735		1.64	1.7	<5	69	157		0.022			
B734736		2.05	<0.5	<5	29	82		0.005			
B734737		1.19	<0.5	<5	47	75		<0.005			2.77
B734738		2.16	<0.5	<5	51	93		<0.005			
B734739		1.14	1.3	<5	432	124		0.022			
B734740		2.61	<0.5	<5	14	46		<0.005			
B734741		1.15	2.7	<5	201	107		9.36	12.15	10.90	
B734742		1.21	<0.5	<5	54	87		0.107			
B734743		1.11	<0.5	<5	60	116		0.012			
B734744		1.17	<0.5	<5	27	85		0.078			
B734745		1.18	<0.5	<5	81	72		0.187			
B734746		0.07	>100	228	4430	3740	102	>10.0	NSS		
B734747		1.96	<0.5	<5	5	23		0.281			
B734748		2.08	<0.5	<5	3	25		0.023			

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25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282547

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG62	Au-AA24	Au-GRA22	ME-ICP61
	ME-OG62	OA-GRA08b		

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 21-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21282548

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 19-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 21-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282548

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734593		2.85	<0.5	<5	12	43	<0.005		
B734594		2.01	<0.5	<5	61	135	0.005		
B734595		2.04	<0.5	<5	76	116	0.007		2.72
B734596		1.26	<0.5	6	27	339	0.015		
B734597		2.22	<0.5	13	91	305	0.020		
B734598		2.85	<0.5	<5	40	253	0.016		
B734599		2.40	<0.5	<5	36	91	<0.005		
B734600		3.06	<0.5	<5	12	123	<0.005		
B734601		2.06	<0.5	<5	12	111	<0.005		
B734602		1.88	<0.5	<5	11	96	<0.005		
B734603		2.31	<0.5	13	17	88	0.011		
B734604		2.75	<0.5	<5	27	132	<0.005		
B734605		2.82	<0.5	<5	86	113	<0.005		
B734606		2.36	<0.5	<5	107	100	0.005		
B734607		0.11	6.1	33	428	573	0.785		
B734608		2.83	<0.5	<5	122	95	0.026		
B734609		2.23	<0.5	<5	50	112	<0.005		
B734610		2.30	<0.5	<5	79	104	0.011		
B734611		2.56	<0.5	<5	59	98	<0.005		
B734612		2.05	<0.5	<5	79	112	<0.005		
B734613		1.62	<0.5	<5	70	148	0.005		
B734614		1.32	<0.5	<5	49	57	<0.005		
B734615		1.78	<0.5	<5	24	56	0.006		
B734616		1.20	<0.5	<5	49	53	0.005		
B734617		1.62	<0.5	<5	45	41	0.008		
B734618		1.91	<0.5	<5	34	111	0.006		
B734619		1.83	<0.5	<5	15	101	<0.005		2.76
B734620		0.07	1.2	6690	54	74	6.22	6.78	
B734621		2.23	<0.5	<5	75	97	0.005		
B734622		2.18	<0.5	<5	46	102	0.008		
B734623		2.37	<0.5	<5	37	93	0.007		
B734624		1.36	<0.5	<5	127	92	0.030		
B734625		2.43	<0.5	<5	24	159	0.012		
B734626		2.30	<0.5	<5	25	54	0.005		
B734627		2.05	<0.5	<5	24	113	<0.005		
B734628		1.46	<0.5	<5	46	215	0.006		
B734629		2.15	<0.5	<5	28	204	0.007		
B734630		0.70	<0.5	<5	25	48	<0.005		
B734631		0.55	<0.5	<5	24	49	0.007		
B734632		1.86	<0.5	<5	28	51	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 21-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282548

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734633	1.98	<0.5	<5	32	76	0.007		
B734634	0.11	<0.5	<5	25	28	<0.005		
B734635	2.15	<0.5	<5	29	60	<0.005		
B734636	0.99	<0.5	<5	33	45	0.005		
B734637	1.82	<0.5	<5	50	110	0.011		
B734638	1.66	<0.5	<5	42	198	0.008		
B734639	2.03	<0.5	<5	64	155	0.014		
B734640	1.97	<0.5	<5	28	62	<0.005		2.76
B734641	2.16	<0.5	<5	45	58	0.007		
B734642	1.62	<0.5	<5	68	109	0.012		2.86
B734643	1.09	<0.5	6	18	54	0.295		
B734644	1.04	<0.5	<5	12	16	0.078		
B734645	1.95	<0.5	<5	8	24	0.071		
B734646	2.07	<0.5	<5	5	19	0.055		2.69
B734647	1.67	<0.5	<5	4	16	0.012		
B734648	0.11	5.6	33	406	547	0.870		
B734649	2.69	<0.5	7	12	56	0.178		
B734650	1.26	<0.5	8	23	49	0.977		
B734651	2.08	1.0	<5	67	90	0.010		
B734652	0.98	0.6	<5	72	101	0.013		
B734653	2.16	0.6	<5	58	110	0.025		
B734654	2.33	<0.5	<5	52	98	0.017		
B734655	2.05	<0.5	<5	6	28	0.006		
B734656	1.27	<0.5	<5	3	37	0.040		
B734657	1.26	1.4	5	5	25	0.685		
B734658	1.43	<0.5	<5	9	25	0.027		
B734659	2.12	<0.5	<5	16	38	<0.005		
B734660	1.96	<0.5	<5	9	33	0.008		
B734661	2.21	<0.5	<5	12	21	0.006		
B734662	0.11	<0.5	<5	25	28	<0.005		
B734663	1.07	<0.5	<5	4	29	0.005		
B734664	1.47	<0.5	<5	14	44	0.009		
B734665	1.42	<0.5	<5	103	110	0.020		
B734666	0.89	<0.5	<5	17	91	0.012		
B734667	0.64	<0.5	<5	15	90	0.006		
B734668	2.36	<0.5	<5	11	76	1.050		
B734669	1.91	<0.5	<5	16	80	<0.005		
B734670	2.03	<0.5	<5	2	84	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 21-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21282548

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21285187

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 21-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21285187

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734749		2.61	<0.5	<5	13	42	<0.005		
B734750		2.19	<0.5	<5	7	20	0.012		
B734751		2.20	<0.5	<5	6	27	0.365		
B734752		2.22	<0.5	<5	3	21	0.129		2.68
B734753		2.18	0.5	<5	3	22	0.058		
B734754		2.00	<0.5	<5	3	20	0.023		
B734755		2.30	<0.5	<5	19	100	<0.005		
B734756		2.44	<0.5	<5	31	82	<0.005		2.62
B734757		2.41	<0.5	<5	53	98	<0.005		
B734758		2.48	<0.5	<5	81	99	0.005		
B734759		2.56	<0.5	<5	49	95	<0.005		
B734760		2.51	<0.5	<5	64	85	<0.005		
B734761		0.11	6.2	30	411	563	0.859		
B734762		2.57	<0.5	<5	58	95	<0.005		
B734763		2.57	<0.5	<5	51	90	<0.005		
B734764		1.37	<0.5	<5	68	102	<0.005		
B734765		2.27	<0.5	<5	70	102	<0.005		
B734766		1.53	<0.5	11	61	98	0.006		
B734767		2.59	<0.5	13	72	92	0.013		
B734768		2.46	<0.5	<5	40	81	<0.005		
B734769		2.57	<0.5	6	50	83	0.007		
B734770		2.47	<0.5	10	55	98	0.009		
B734771		2.28	<0.5	<5	65	100	<0.005		
B734772		2.25	<0.5	<5	57	88	0.006		
B734773		1.25	<0.5	<5	53	103	0.006		
B734774		1.61	<0.5	<5	67	80	0.020		
B734775		0.11	<0.5	<5	26	26	<0.005		
B734776		2.02	<0.5	<5	9	20	0.058		
B734777		2.23	<0.5	<5	8	24	0.149		
B734778		2.11	<0.5	<5	5	26	0.120		2.70
B734779		2.23	<0.5	<5	8	25	0.139		
B734780		2.61	<0.5	<5	7	25	0.085		
B734781		2.47	<0.5	<5	8	24	0.040		
B734782		2.16	<0.5	<5	63	120	0.008		
B734783		2.22	<0.5	<5	11	28	0.020		
B734784		1.99	<0.5	<5	10	21	0.054		
B734785		1.23	<0.5	<5	10	22	0.014		
B734786		1.45	<0.5	<5	43	108	0.011		
B734787		1.85	<0.5	<5	40	97	0.007		
B734788		0.07	0.5	6240	53	69	6.48	NSS	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21285187

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734789		1.12	<0.5	6	50	95	0.011		
B734790		1.15	<0.5	<5	46	92	0.008		
B734791		2.22	<0.5	<5	57	96	0.007		
B734792		2.33	<0.5	<5	62	94	0.005		
B734793		2.27	<0.5	<5	59	100	0.014		
B734794		2.29	<0.5	<5	51	93	0.006		2.81
B734795		2.44	<0.5	<5	63	91	0.007		
B734796		2.51	<0.5	<5	60	87	0.007		
B734797		2.33	<0.5	<5	50	85	0.006		
B734798		2.47	<0.5	<5	54	92	0.005		
B734799		2.39	<0.5	<5	63	94	<0.005		
B734800		2.65	<0.5	<5	65	103	<0.005		
B734801		0.11	<0.5	<5	26	28	0.006		
B734802		2.02	<0.5	5	63	100	<0.005		
B734803		2.10	<0.5	<5	64	108	<0.005		
B734804		2.37	<0.5	<5	64	108	<0.005		
B734805		1.50	<0.5	<5	67	131	0.005		
B734806		1.44	<0.5	<5	37	55	0.005		
B734807		1.58	<0.5	<5	21	47	<0.005		
B734808		2.21	<0.5	<5	19	54	<0.005		2.58
B734809		2.27	<0.5	<5	24	48	<0.005		
B734810		2.37	<0.5	<5	22	68	0.046		
B734811		2.28	<0.5	<5	34	85	0.006		
B734812		1.06	<0.5	<5	22	47	<0.005		
B734813		1.99	<0.5	<5	24	64	<0.005		
B734814		0.11	5.6	31	425	572	0.918		
B734815		1.38	<0.5	<5	30	157	0.007		
B734816		2.14	<0.5	<5	29	140	0.005		
B734817		2.46	<0.5	<5	38	114	0.006		
B734818		2.35	<0.5	<5	80	115	0.005		
B734819		2.28	<0.5	<5	90	92	0.006		
B734820		2.28	<0.5	<5	138	100	0.011		
B734821		2.13	<0.5	<5	99	82	0.006		
B734822		2.09	<0.5	<5	34	82	<0.005		
B734823		2.22	<0.5	<5	14	68	<0.005		
B734824		2.28	<0.5	<5	3	62	<0.005		
B734825		2.25	<0.5	<5	7	66	0.006		
B734826		2.20	<0.5	11	27	149	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21285187

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21288393

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21288393

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734827		1.33	<0.5	<5	15	44	<0.005	
B734828		2.26	<0.5	<5	13	67	<0.005	
B734829		2.19	<0.5	<5	16	74	0.017	
B734830		2.28	<0.5	<5	14	63	0.100	
B734831		2.21	<0.5	<5	18	76	<0.005	
B734832		2.32	<0.5	<5	28	115	<0.005	
B734833		2.46	<0.5	<5	40	89	0.006	
B734834		2.54	<0.5	<5	35	95	0.007	
B734835		2.18	<0.5	<5	32	106	0.292	
B734836		2.13	<0.5	<5	12	100	<0.005	
B734837		2.12	<0.5	<5	35	96	0.008	
B734838		2.18	<0.5	<5	12	86	0.007	
B734839		2.16	<0.5	<5	28	99	0.005	
B734840		2.26	<0.5	<5	32	80	0.049	
B734841		0.11	6.0	29	430	568	0.867	
B734842		2.22	<0.5	<5	10	75	<0.005	
B734843		2.10	<0.5	<5	11	80	<0.005	
B734844		2.34	<0.5	<5	51	117	0.008	
B734845		2.11	<0.5	<5	34	100	<0.005	
B734846		2.17	<0.5	<5	25	90	0.009	
B734847		2.12	<0.5	<5	30	99	0.039	
B734848		2.08	<0.5	<5	34	101	0.013	
B734849		2.22	<0.5	5	29	95	0.007	
B734850		2.24	<0.5	<5	28	112	0.010	
B734851		2.16	<0.5	<5	36	117	0.011	
B734852		2.19	<0.5	<5	40	90	<0.005	
B734853		2.21	<0.5	<5	38	102	<0.005	
B734854		0.07	0.6	6260	52	69	5.99	NSS
B734855		2.22	<0.5	5	25	100	<0.005	
B734856		2.21	<0.5	<5	35	99	<0.005	
B734857		2.24	<0.5	<5	47	99	<0.005	
B734858		2.14	<0.5	<5	42	105	<0.005	
B734859		2.25	<0.5	10	59	180	0.006	
B734860		2.23	1.3	107	73	730	0.106	
B734861		0.56	<0.5	<5	69	248	0.014	
B734862		0.56	0.6	<5	66	240	0.011	
B734863		1.21	<0.5	<5	61	114	<0.005	
B734864		2.01	<0.5	<5	53	103	<0.005	
B734865		1.31	<0.5	<5	79	41	<0.005	
B734866		1.22	<0.5	<5	36	49	<0.005	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21288393

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
B734867		1.23	<0.5	<5	37	72	<0.005	
B734868		0.11	<0.5	<5	26	28	<0.005	
B734869		2.13	<0.5	<5	19	66	<0.005	
B734870		2.10	<0.5	<5	21	34	<0.005	
B734871		1.15	<0.5	<5	323	88	0.011	
B734872		1.04	<0.5	<5	266	95	0.010	
B734873		2.09	<0.5	<5	55	73	<0.005	
B734874		2.13	<0.5	<5	58	73	<0.005	
B734875		2.22	<0.5	<5	40	75	0.006	
B734876		2.19	<0.5	<5	27	76	<0.005	
B734877		2.27	<0.5	<5	65	67	0.007	
B734878		2.29	<0.5	<5	51	74	<0.005	
B734879		2.37	<0.5	<5	49	82	<0.005	
B734880		2.18	<0.5	<5	20	82	0.008	
B734881		2.11	<0.5	<5	26	82	0.005	
B734882		0.11	5.6	32	421	560	0.807	
B734883		2.44	<0.5	<5	55	79	0.071	
B734884		2.07	<0.5	<5	98	97	0.061	
B734885		2.33	<0.5	<5	65	104	0.013	
B734886		1.68	<0.5	<5	69	100	0.038	
B734887		2.24	<0.5	<5	6	19	0.178	
B734888		3.29	<0.5	<5	6	20	0.125	
B734889		2.09	<0.5	<5	7	21	0.156	
B734890		2.21	<0.5	<5	4	23	0.282	
B734891		1.80	<0.5	<5	4	23	0.087	
B734892		2.20	<0.5	<5	47	78	0.047	
B734893		1.49	<0.5	<5	53	115	<0.005	
B734894		1.13	<0.5	16	16	55	0.009	
B734895		1.28	<0.5	23	17	48	0.013	
B734896		0.11	<0.5	<5	26	28	<0.005	
B734897		2.03	0.5	22	66	66	0.222	
B734898		1.57	1.3	21	21	151	0.693	
B734899		2.79	0.5	24	13	100	0.107	
B734900		1.62	<0.5	29	19	76	0.012	
B734901		2.08	<0.5	34	17	148	0.019	
B734902		2.00	0.9	39	22	135	0.115	
B734903		1.95	<0.5	44	17	123	0.013	
B734904		1.75	<0.5	50	17	322	0.113	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21288393

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21289767

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289767

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734905		1.31	<0.5	<5	12	44	<0.005		
B734906		1.95	<0.5	41	18	188	0.017		
B734907		2.00	<0.5	37	18	244	0.012		
B734908		2.14	<0.5	38	17	256	0.020		
B734909		2.03	<0.5	44	14	291	0.041		
B734910		1.74	0.6	45	33	447	0.026		
B734911		1.73	0.6	15	64	219	0.009		
B734912		1.88	<0.5	10	60	167	0.015		
B734913		1.34	<0.5	<5	3	20	0.037		
B734914		1.08	<0.5	<5	7	20	0.085		2.70
B734915		1.77	<0.5	<5	2	16	0.170		
B734916		1.25	<0.5	26	16	37	0.120		
B734917		2.37	<0.5	<5	10	20	0.578		
B734918		2.26	<0.5	<5	10	23	0.244		
B734919		0.07	0.7	6080	51	67	6.74	NSS	
B734920		2.10	0.6	76	15	157	0.218		
B734921		1.17	<0.5	42	24	201	0.033		
B734922		2.00	<0.5	19	14	174	0.634		
B734923		1.43	<0.5	<5	7	23	0.043		
B734924		2.10	<0.5	<5	5	23	0.200		
B734925		2.10	<0.5	<5	16	30	0.322		
B734926		2.20	<0.5	<5	12	32	0.225		
B734927		1.03	<0.5	<5	15	25	0.009		
B734928		1.63	<0.5	<5	10	25	0.023		
B734929		1.49	<0.5	20	16	80	0.185		
B734930		2.45	<0.5	20	64	195	0.013		
B734931		2.39	0.5	8	57	201	0.073		
B734932		0.11	<0.5	<5	25	27	<0.005		
B734933		1.75	0.7	9	84	182	0.077		
B734934		2.81	<0.5	23	44	126	0.009		
B734935		2.21	<0.5	36	19	94	0.019		
B734936		2.20	<0.5	29	15	90	0.036		
B734937		2.19	<0.5	25	16	87	0.013		
B734938		2.19	<0.5	21	25	181	<0.005		
B734939		2.16	<0.5	11	19	125	<0.005		
B734940		2.18	<0.5	7	18	81	<0.005		
B734941		2.03	<0.5	<5	20	118	<0.005		
B734942		2.28	<0.5	<5	20	93	<0.005		
B734943		2.35	<0.5	<5	10	61	<0.005		
B734944		2.09	<0.5	<5	12	104	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289767

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734945		0.11	6.5	34	438	585	0.842		
B734946		0.97	<0.5	<5	64	99	<0.005		
B734947		1.54	<0.5	5	67	107	<0.005		
B734948		1.85	<0.5	<5	11	22	<0.005		
B734949		2.19	<0.5	<5	8	28	0.012		2.68
B734950		2.10	<0.5	<5	9	25	0.009		
B734951		2.10	<0.5	<5	5	22	0.047		
B734952		2.12	<0.5	<5	3	20	0.016		
B734953		2.02	<0.5	<5	12	23	0.086		
B734954		2.13	<0.5	<5	2	21	0.040		
B734955		2.25	<0.5	<5	3	21	0.387		
B734956		2.18	<0.5	<5	2	22	0.528		
B734957		2.03	<0.5	<5	3	23	0.083		
B734958		0.11	<0.5	<5	25	28	<0.005		
B734959		1.19	<0.5	5	2	21	0.512		
B734960		1.27	1.5	15	73	60	3.14	2.27	
B734961		1.99	<0.5	14	73	102	0.021		
B734962		2.21	<0.5	10	76	86	0.014		
B734963		2.05	<0.5	5	96	98	0.012		2.83
B734964		2.32	<0.5	8	82	108	0.009		
B734965		2.19	<0.5	5	74	101	0.007		
B734966		2.23	<0.5	8	53	96	0.009		
B734967		2.06	<0.5	15	70	101	0.012		
B734968		1.91	<0.5	12	68	96	0.011		
B734969		2.41	<0.5	18	44	90	0.016		
B734970		2.02	<0.5	9	81	86	0.012		
B734971		2.07	<0.5	15	46	84	0.012		
B734972		0.07	<0.5	6590	54	71	6.37	NSS	
B734973		2.33	<0.5	59	98	74	0.056		
B734974		2.07	<0.5	10	70	93	0.010		
B734975		1.12	<0.5	5	55	88	0.007		
B734976		0.90	<0.5	7	76	87	0.008		
B734977		0.91	<0.5	5	52	87	0.006		
B734978		1.73	<0.5	<5	58	136	0.005		
B734979		1.43	<0.5	<5	60	94	0.006		
B734980		1.75	1.1	<5	10	24	0.214		
B734981		2.09	<0.5	<5	18	32	0.928		
B734982		2.06	<0.5	<5	15	40	0.042		2.63

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289767

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21289768

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289768

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
B734983		2.25	<0.5	<5	11	37	<0.005		
B734984		2.12	<0.5	<5	15	33	0.024		
B734985		1.62	<0.5	<5	10	25	0.024		
B734986		2.69	<0.5	<5	55	99	<0.005		
B734987		2.22	<0.5	<5	65	84	<0.005		
B734988		2.41	<0.5	<5	44	80	<0.005		2.86
B734989		2.08	<0.5	5	70	88	0.008		
B734990		2.67	<0.5	<5	61	97	0.005		
B734991		1.54	<0.5	<5	6	15	<0.005		
B734992		2.20	<0.5	<5	14	18	<0.005		
B734993		2.17	<0.5	<5	10	35	0.008		
B734994		1.22	<0.5	<5	7	40	0.006		
B734995		0.11	6.2	28	419	559	0.855		
B734996		1.96	<0.5	<5	10	27	<0.005		
B734997		1.66	<0.5	<5	85	104	0.006		2.85
B734998		2.43	<0.5	<5	61	100	0.006		
B734999		1.94	<0.5	<5	9	103	<0.005		
B735000		2.25	<0.5	<5	27	72	<0.005		
E500001		2.23	<0.5	<5	12	96	0.007		2.70
E500002		2.48	<0.5	<5	11	86	0.448		
E500003		2.31	<0.5	<5	5	101	0.025		
E500004		2.28	<0.5	<5	10	131	0.007		
E500005		2.28	<0.5	<5	8	83	0.473		
E500006		2.10	<0.5	<5	9	104	1.010		
E500007		2.23	<0.5	<5	3	137	0.019		
E500008		1.95	<0.5	<5	2	119	0.007		
E500009		0.11	<0.5	<5	27	31	<0.005		
E500010		2.16	<0.5	<5	6	127	0.394		
E500011		2.00	<0.5	<5	5	110	0.156		
E500012		0.96	<0.5	<5	4	102	0.006		
E500013		0.91	<0.5	<5	3	116	<0.005		
E500014		2.83	<0.5	<5	4	118	0.267		
E500015		1.90	<0.5	<5	2	113	0.027		
E500016		2.37	<0.5	<5	5	126	<0.005		2.72
E500017		2.13	<0.5	<5	3	126	<0.005		
E500018		2.18	<0.5	<5	1	110	<0.005		
E500019		1.26	<0.5	<5	1	127	<0.005		
E500020		2.17	<0.5	<5	2	108	<0.005		
E500021		1.02	<0.5	<5	3	114	<0.005		
E500022		0.07	1.7	6370	52	72	6.53	NSS	

***** See Appendix Page for comments regarding this certificate *****

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289768

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500023		1.03	<0.5	10	42	112	<0.005		
E500024		2.23	<0.5	<5	16	129	<0.005		
E500025		2.33	<0.5	<5	8	383	<0.005		
E500026		2.29	<0.5	<5	13	378	<0.005		
E500027		2.31	<0.5	<5	6	369	<0.005		
E500028		2.14	<0.5	<5	10	340	<0.005		2.84
E500029		2.16	<0.5	<5	30	162	0.005		
E500030		2.24	<0.5	<5	27	115	<0.005		
E500031		2.12	<0.5	<5	17	119	<0.005		
E500032		2.05	<0.5	<5	25	77	<0.005		
E500033		2.21	<0.5	<5	21	86	<0.005		
E500034		2.14	<0.5	<5	29	101	<0.005		
E500035		0.11	<0.5	<5	26	29	<0.005		
E500036		2.28	<0.5	<5	24	183	<0.005		
E500037		1.98	<0.5	<5	33	130	0.005		
E500038		2.00	<0.5	<5	29	104	<0.005		
E500039		2.20	<0.5	<5	41	191	0.007		
E500040		2.09	<0.5	<5	106	139	0.010		
E500041		2.22	<0.5	<5	17	218	<0.005		
E500042		2.23	<0.5	<5	19	210	<0.005		
E500043		2.29	<0.5	<5	14	145	<0.005		
E500044		2.18	<0.5	<5	3	151	<0.005		
E500045		2.15	<0.5	<5	4	146	<0.005		
E500046		2.27	<0.5	<5	2	158	<0.005		
E500047		2.32	<0.5	<5	10	139	<0.005		
E500048		0.11	6.4	32	426	583	0.774		
E500049		1.92	<0.5	<5	5	144	<0.005		
E500050		2.30	<0.5	<5	8	142	<0.005		
E500051		2.35	<0.5	<5	17	114	0.020		
E500052		2.10	<0.5	<5	26	102	0.011		
E500053		2.20	<0.5	<5	18	105	0.016		
E500054		2.31	<0.5	<5	9	144	0.010		
E500055		2.38	<0.5	<5	5	178	<0.005		
E500056		2.24	<0.5	<5	4	190	<0.005		
E500057		2.37	<0.5	<5	4	192	0.012		
E500058		2.32	<0.5	<5	24	187	0.006		
E500059		1.27	<0.5	<5	26	176	0.006		
E500060		2.12	<0.5	<5	14	154	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21289768

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21291207

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 26-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291207

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500061		1.06	<0.5	<5	20	38	<0.005		
E500062		1.53	<0.5	<5	9	131	<0.005		
E500063		2.45	<0.5	<5	75	90	0.015		
E500064		2.41	<0.5	<5	37	101	<0.005		
E500065		2.46	<0.5	<5	71	96	0.009		
E500066		2.50	<0.5	<5	62	95	0.009		
E500067		2.35	<0.5	<5	55	95	0.008		
E500068		2.34	<0.5	<5	6	55	0.018		
E500069		2.14	<0.5	<5	4	18	<0.005		
E500070		2.31	<0.5	<5	5	72	<0.005		
E500071		0.98	<0.5	<5	6	84	<0.005		
E500072		1.01	<0.5	<5	5	86	<0.005		
E500073		2.15	<0.5	<5	34	110	0.015		
E500074		2.00	<0.5	<5	18	64	<0.005		
E500075		0.11	6.2	32	444	593	0.835		
E500076		2.44	<0.5	<5	29	129	0.006		
E500077		2.10	<0.5	<5	13	39	<0.005		
E500078		2.42	<0.5	<5	33	65	0.009		
E500079		2.22	<0.5	<5	78	132	0.016		
E500080		2.42	<0.5	<5	45	165	0.039		
E500081		2.25	<0.5	<5	58	166	0.009		
E500082		2.25	<0.5	<5	15	217	<0.005		
E500083		1.50	<0.5	7	4	33	0.249		
E500084		2.25	<0.5	<5	3	30	0.005		
E500085		1.15	<0.5	<5	3	32	0.005		
E500086		1.19	<0.5	<5	2	34	<0.005		
E500087		2.32	<0.5	<5	3	26	<0.005		
E500088		0.07	0.7	6220	51	70	5.79	NSS	
E500089		2.25	<0.5	8	1	22	0.005		
E500090		1.80	<0.5	<5	2	28	<0.005		
E500091		1.14	<0.5	<5	2	29	0.005		
E500092		1.37	<0.5	<5	1	10	0.044		
E500093		2.12	<0.5	<5	1	13	0.052		
E500094		2.23	<0.5	<5	1	31	<0.005		
E500095		1.68	<0.5	<5	1	15	<0.005		
E500096		1.75	<0.5	<5	1	11	0.037		
E500097		1.62	<0.5	<5	2	11	0.016		
E500098		1.47	<0.5	<5	2	15	<0.005		
E500099		1.96	<0.5	<5	2	17	<0.005		
E500100		2.13	<0.5	<5	4	18	0.043		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291207

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500101		2.16	0.5	<5	1	11	0.008		
E500102		0.11	<0.5	<5	24	27	<0.005		
E500103		2.00	0.5	<5	1	20	<0.005		
E500104		2.18	<0.5	<5	1	24	<0.005		
E500105		2.15	0.5	<5	1	18	<0.005		
E500106		2.19	<0.5	<5	1	23	<0.005		
E500107		1.36	<0.5	<5	1	63	<0.005		
E500108		1.58	<0.5	<5	2	64	<0.005		
E500109		2.26	<0.5	<5	3	19	<0.005		
E500110		1.41	<0.5	<5	4	26	<0.005		
E500111		2.69	<0.5	<5	2	47	<0.005		
E500112		2.40	<0.5	<5	<1	30	<0.005		2.80
E500113		2.37	<0.5	<5	62	79	<0.005		
E500114		2.13	<0.5	<5	1	26	<0.005		
E500115		2.26	<0.5	<5	1	34	<0.005		
E500116		0.11	6.3	30	405	553	0.812		
E500117		2.32	<0.5	<5	1	37	<0.005		
E500118		2.22	<0.5	<5	3	28	0.016		
E500119		2.30	0.5	<5	2	16	<0.005		
E500120		2.25	<0.5	<5	2	22	<0.005		
E500121		1.02	<0.5	<5	13	27	0.007		
E500122		1.28	<0.5	<5	4	31	<0.005		
E500123		2.24	<0.5	<5	6	33	<0.005		
E500124		1.48	<0.5	<5	6	32	0.024		
E500125		1.75	<0.5	<5	49	174	<0.005		
E500126		1.39	<0.5	<5	53	174	<0.005		
E500127		2.37	<0.5	<5	32	127	<0.005		2.83
E500128		2.08	<0.5	<5	44	154	<0.005		
E500129		1.37	<0.5	<5	52	180	<0.005		
E500130		0.11	<0.5	<5	26	28	0.016		
E500131		1.40	<0.5	<5	4	47	<0.005		
E500132		2.28	<0.5	<5	22	97	<0.005		
E500133		2.57	<0.5	<5	60	41	<0.005		
E500134		1.79	<0.5	<5	1	31	<0.005		
E500135		2.24	<0.5	<5	1	37	0.006		
E500136		1.45	<0.5	6	9	42	0.012		
E500137		1.27	<0.5	<5	1	19	<0.005		
E500138		1.56	<0.5	<5	1	22	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291207

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

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North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21291208

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 26-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291208

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500139		2.80	<0.5	<5	13	42	<0.005		
E500140		0.97	0.5	<5	2	25	0.007		
E500141		1.04	<0.5	<5	2	29	<0.005		
E500142		1.17	<0.5	<5	1	24	0.052		
E500143		1.34	<0.5	<5	29	106	<0.005		
E500144		2.06	<0.5	<5	9	52	0.008		
E500145		2.44	<0.5	<5	4	37	0.074		
E500146		2.41	<0.5	<5	46	162	<0.005		
E500147		2.00	<0.5	<5	43	169	<0.005		
E500148		1.48	<0.5	<5	3	30	0.009		
E500149		1.15	<0.5	<5	8	47	<0.005		
E500150		2.27	<0.5	<5	8	44	0.005		
E500151		2.20	<0.5	<5	7	44	<0.005		
E500152		2.22	<0.5	<5	5	23	<0.005		
E500153		0.07	1.2	6430	53	72	6.64	NSS	
E500154		2.25	<0.5	8	6	41	<0.005		
E500155		2.32	<0.5	<5	2	36	0.019		
E500156		2.34	<0.5	<5	5	40	0.212		
E500157		2.45	<0.5	<5	2	39	<0.005		
E500158		2.19	<0.5	<5	1	35	0.040		
E500159		2.18	<0.5	<5	4	38	0.109		
E500160		1.41	<0.5	<5	5	34	0.050		
E500161		1.72	<0.5	<5	5	39	0.036		
E500162		1.32	<0.5	<5	4	38	<0.005		
E500163		1.09	<0.5	<5	10	34	0.012		
E500164		2.07	<0.5	<5	13	36	<0.005		
E500165		1.55	<0.5	<5	8	37	<0.005		
E500166		0.11	<0.5	<5	26	28	<0.005		
E500167		1.96	<0.5	<5	8	33	<0.005		
E500168		2.33	<0.5	<5	22	51	<0.005		
E500169		1.33	<0.5	6	14	48	0.020		
E500170		1.51	<0.5	<5	2	37	<0.005		
E500171		2.14	<0.5	<5	50	147	0.006		
E500172		1.67	<0.5	<5	46	162	0.009		3.04
E500173		1.51	<0.5	<5	2	22	<0.005		
E500174		1.36	<0.5	<5	1	24	<0.005		
E500175		2.20	<0.5	<5	3	23	<0.005		
E500176		2.19	<0.5	<5	6	28	<0.005		
E500177		2.29	<0.5	<5	6	27	<0.005		
E500178		2.34	<0.5	<5	4	32	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291208

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500179		0.11	6.1	30	434	585	<0.005		
E500180		2.17	<0.5	<5	50	33	<0.005		
E500181		2.26	<0.5	<5	8	29	<0.005		
E500182		2.27	<0.5	<5	5	22	<0.005		
E500183		2.24	<0.5	<5	4	37	<0.005		
E500184		2.65	<0.5	<5	2	42	0.030		
E500185		2.31	<0.5	<5	2	36	0.143		
E500186		2.26	<0.5	<5	3	35	0.020		
E500187		1.37	<0.5	<5	6	29	<0.005		
E500188		1.58	<0.5	13	4	20	0.997		
E500189		1.62	<0.5	<5	4	30	0.009		
E500190		2.23	<0.5	<5	4	26	0.804		
E500191		2.37	<0.5	<5	87	49	0.037		
E500192		0.11	<0.5	<5	26	26	<0.005		
E500193		2.37	<0.5	<5	38	66	0.016		
E500194		2.28	0.5	8	27	44	0.156		
E500195		2.36	<0.5	<5	6	30	<0.005		
E500196		2.20	0.5	<5	6	29	0.006		
E500197		2.00	<0.5	<5	33	33	0.005		
E500198		2.26	<0.5	<5	12	39	<0.005		
E500199		2.27	<0.5	<5	3	33	<0.005		
E500200		2.31	<0.5	<5	1	33	<0.005		
E500201		2.32	<0.5	<5	2	36	<0.005		
E500202		2.29	<0.5	<5	1	33	0.052		
E500203		1.14	<0.5	<5	2	30	<0.005		
E500204		1.19	<0.5	<5	9	23	0.030		
E500205		2.19	<0.5	<5	10	23	<0.005		
E500206		0.07	1.1	6380	54	69	6.27	NSS	
E500207		2.24	<0.5	7	10	27	0.005		
E500208		2.35	<0.5	<5	7	26	0.016		
E500209		2.36	<0.5	<5	2	24	<0.005		
E500210		2.33	<0.5	<5	4	25	<0.005		
E500211		2.20	<0.5	<5	15	26	0.007		
E500212		2.39	<0.5	<5	10	24	<0.005		
E500213		2.50	<0.5	6	6	29	0.095		
E500214		2.38	<0.5	<5	4	30	0.008		
E500215		2.22	<0.5	<5	2	34	0.012		
E500216		2.38	<0.5	<5	5	33	<0.005		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291208

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 30-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21291210

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 26-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 30-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291210

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500217		1.27	<0.5	<5	12	31	<0.005		
E500218		2.33	<0.5	<5	6	28	<0.005		
E500219		2.36	<0.5	<5	7	31	<0.005		
E500220		2.35	<0.5	<5	8	43	0.039		
E500221		2.24	<0.5	<5	6	49	<0.005		
E500222		2.23	<0.5	<5	15	64	0.007		
E500223		2.31	<0.5	<5	6	42	0.029		
E500224		2.24	<0.5	<5	32	38	0.028		
E500225		1.31	<0.5	<5	5	27	0.133		
E500226		1.54	<0.5	<5	9	42	0.016		
E500227		1.81	<0.5	<5	18	51	0.007		
E500228		2.27	<0.5	<5	13	31	0.011		
E500229		0.11	5.8	31	414	543	0.819		
E500230		2.23	<0.5	<5	13	35	0.018		
E500231		2.24	<0.5	<5	11	32	0.007		
E500232		1.02	<0.5	<5	7	40	0.006		
E500233		1.09	<0.5	<5	7	36	0.013		
E500234		1.10	<0.5	<5	4	40	<0.005		
E500235		1.17	<0.5	5	5	26	0.030		
E500236		1.36	<0.5	<5	4	30	<0.005		
E500237		1.42	<0.5	<5	4	36	0.005		
E500238		1.15	0.6	7	18	47	0.264		
E500239		1.36	0.8	5	34	41	0.075		
E500240		1.42	0.9	6	24	45	0.249		
E500241		2.37	0.8	<5	9	89	0.149		
E500242		2.42	1.2	<5	8	52	0.191		
E500243		0.11	<0.5	<5	26	28	<0.005		
E500244		1.30	0.5	<5	13	33	0.103		
E500245		1.21	0.7	7	20	40	0.412		
E500246		1.31	<0.5	<5	18	27	0.136		
E500247		1.21	<0.5	<5	1	3	0.236		
E500248		1.80	0.6	8	5	12	0.757		
E500249		1.16	<0.5	13	14	7	0.410		
E500250		0.89	<0.5	10	33	32	0.829		
E500251		2.06	<0.5	10	10	67	0.651		
E500252		2.07	0.8	15	44	59	1.250		
E500253		2.00	<0.5	5	23	15	0.068		
E500254		1.99	0.8	<5	21	14	0.372		
E500255		1.65	1.0	9	15	19	1.535		
E500256		0.07	0.5	6070	49	68	6.82	NSS	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 30-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291210

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500257		1.98	0.7	13	33	20	0.553		
E500258		1.39	1.3	16	12	25	1.705		
E500259		1.07	<0.5	5	17	47	0.064		
E500260		2.02	0.9	<5	58	37	4.34	3.76	
E500261		1.97	0.8	6	20	41	0.212		
E500262		2.04	<0.5	<5	26	52	0.362		
E500263		2.06	<0.5	6	24	40	0.790		
E500264		0.95	0.5	<5	16	41	0.857		
E500265		0.92	<0.5	<5	16	36	0.732		
E500266		1.90	0.6	7	38	24	0.552		
E500267		1.83	1.7	<5	47	36	5.34	4.71	
E500268		1.42	0.8	7	29	32	0.308		
E500269		0.11	<0.5	<5	25	28	0.006		
E500270		0.99	0.7	6	33	28	4.88	3.82	
E500271		2.00	0.5	6	30	36	0.375		
E500272		2.00	0.5	<5	37	41	0.439		
E500273		1.71	0.7	9	27	51	1.405		
E500274		1.39	0.8	<5	18	48	0.426		
E500275		1.25	0.7	11	23	27	0.683		
E500276		1.77	0.8	5	37	44	0.326		
E500277		1.49	<0.5	5	24	52	0.408		
E500278		2.00	<0.5	7	16	26	0.349		
E500279		1.49	<0.5	8	23	23	0.514		
E500280		0.91	<0.5	<5	23	22	1.060		
E500281		2.02	2.8	8	16	23	1.560		
E500282		0.11	6.3	34	430	584	0.781		
E500283		1.63	0.5	8	13	21	1.055		
E500284		1.58	<0.5	<5	22	21	0.178		
E500285		1.20	<0.5	5	18	36	0.186		
E500286		1.78	0.5	9	17	36	1.075		
E500287		1.35	<0.5	<5	11	34	0.574		
E500288		1.85	<0.5	6	8	25	0.130		
E500289		1.36	<0.5	<5	12	27	0.119		
E500290		2.06	<0.5	<5	9	30	0.093		2.79
E500291		2.11	<0.5	<5	6	23	0.267		
E500292		2.23	<0.5	<5	9	15	0.091		
E500293		2.11	<0.5	<5	9	17	0.048		
E500294		1.17	0.5	8	9	24	0.897		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 30-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21291210

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

CERTIFICATE TB21292636

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 28-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292636

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
E500295		1.59	<0.5	<5	12	43	<0.005		
E500296		1.72	0.6	12	21	33	0.517		
E500297		1.20	<0.5	12	11	25	0.475		
E500298		2.47	<0.5	10	7	15	>10.0	5.36	3.31
E500299		2.42	<0.5	<5	19	26	0.009		
E500300		2.16	<0.5	<5	15	25	0.034		
E500301		2.21	<0.5	<5	42	29	0.207		
E500302		1.09	<0.5	<5	28	16	0.114		
E500303		1.10	<0.5	<5	25	27	1.545		
E500304		2.37	<0.5	<5	6	42	0.151		
E500305		2.14	<0.5	<5	7	12	0.119		
E500306		2.35	<0.5	<5	7	22	0.151		
E500307		1.43	<0.5	<5	5	18	0.033		
E500308		1.79	<0.5	<5	13	15	0.076		
E500309		0.11	6.1	29	430	571	0.856		
E500310		1.79	<0.5	<5	12	22	0.038		
E500311		2.41	<0.5	<5	139	28	0.009		
E500312		2.44	<0.5	<5	104	31	0.011		
E500313		2.24	<0.5	<5	38	23	0.254		
E500314		2.48	<0.5	<5	21	34	0.031		
E500315		2.48	<0.5	<5	19	37	0.058		
E500316		2.44	<0.5	<5	38	62	0.025		
E500317		2.44	<0.5	<5	34	44	0.008		
E500318		2.36	<0.5	<5	13	35	0.024		
E500319		2.36	0.8	<5	11	40	<0.005		
E500320		2.32	<0.5	<5	62	78	0.017		
E500321		2.41	<0.5	<5	34	36	0.030		
E500322		0.07	0.7	5180	52	70	6.50	NSS	
E500323		2.46	<0.5	8	23	40	0.028		
E500324		1.46	<0.5	6	20	21	0.291		
E500325		1.64	<0.5	5	30	52	0.070		
E500326		1.72	<0.5	<5	38	47	0.110		
E500327		2.45	<0.5	<5	29	45	0.110		
E500328		2.58	<0.5	<5	17	41	0.147		
E500329		2.39	<0.5	<5	20	43	0.005		
E500330		2.58	<0.5	<5	73	33	0.098		
E500331		2.34	<0.5	5	34	41	0.402		
E500332		2.27	<0.5	<5	19	40	0.016		
E500333		2.50	<0.5	<5	28	52	0.369		
E500334		2.35	0.5	<5	151	69	0.410		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292636

Sample Description / Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
E500335	2.45	<0.5	<5	83	57	0.048		
E500336	0.11	<0.5	<5	25	28	0.007		
E500337	2.39	<0.5	<5	59	43	<0.005		
E500338	2.43	<0.5	<5	25	39	0.019		
E500339	2.57	<0.5	<5	27	32	0.005		
E500340	2.51	<0.5	<5	31	38	<0.005		
E500341	2.39	<0.5	<5	69	40	0.017		
E500342	2.43	<0.5	<5	33	43	0.095		
E500343	2.49	<0.5	<5	29	38	<0.005		
E500344	2.47	<0.5	<5	14	36	0.005		
E500345	2.33	<0.5	<5	28	35	0.012		
E500346	2.34	<0.5	<5	35	45	0.064		
E500347	1.73	0.6	<5	62	40	2.93		
E500348	1.48	<0.5	6	26	30	0.380		
E500349	1.26	<0.5	<5	34	44	0.007		
E500350	0.11	6.5	32	429	570	0.828		
E500351	1.30	0.5	<5	104	39	0.258		
E500352	1.39	<0.5	<5	52	41	0.164		
E500353	2.42	<0.5	<5	15	43	0.060		
E500354	2.39	<0.5	<5	13	42	0.019		
E500355	2.03	<0.5	<5	154	43	0.089		
E500356	1.53	<0.5	<5	20	40	0.051		
E500357	1.25	<0.5	<5	21	44	0.009		
E500358	2.38	<0.5	<5	28	42	0.021		
E500359	2.44	<0.5	<5	17	41	0.007		
E500360	2.66	<0.5	<5	224	41	0.036		
E500361	2.44	<0.5	<5	11	38	0.008		
E500362	2.46	<0.5	<5	23	42	0.121		
E500363	2.49	<0.5	<5	14	41	0.011		
E500364	0.11	<0.5	<5	24	28	0.005		
E500365	2.37	<0.5	<5	28	42	0.160		
E500366	2.52	<0.5	<5	22	47	0.111		
E500367	2.52	<0.5	<5	22	42	0.096		
E500368	2.50	<0.5	<5	21	43	0.163		
E500369	2.45	<0.5	<5	15	45	0.114		
E500370	1.08	<0.5	<5	30	47	0.009		
E500371	1.22	<0.5	<5	27	46	0.021		
E500372	2.47	<0.5	<5	22	48	0.024		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292636

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21292732

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 28-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292732

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500373		2.82	<0.5	<5	14	42	<0.005		
E500374		2.50	<0.5	<5	21	48	0.463		
E500375		1.69	<0.5	<5	40	59	0.069		
E500376		1.23	<0.5	<5	23	47	0.089		
E500377		1.26	<0.5	11	8	28	0.558		
E500378		1.12	0.7	20	8	14	2.71		
E500379		1.13	0.5	12	5	20	0.457		
E500380		1.21	<0.5	<5	70	74	0.058		
E500381		2.21	<0.5	<5	63	73	0.019		
E500382		2.54	<0.5	<5	55	91	0.414		
E500383		2.26	<0.5	<5	41	89	0.009		
E500384		1.35	<0.5	6	63	54	0.781		
E500385		1.35	<0.5	<5	53	93	0.014		
E500386		2.42	<0.5	<5	41	84	<0.005		
E500387		0.07	1.6	6310	48	68	6.16	NSS	
E500388		2.41	<0.5	5	57	81	<0.005		
E500389		2.42	<0.5	<5	37	86	<0.005		
E500390		2.56	<0.5	<5	46	95	<0.005		
E500391		1.31	0.7	<5	54	77	0.122		
E500392		1.08	<0.5	<5	5	19	0.040		
E500393		2.41	<0.5	<5	6	44	0.012		
E500394		2.43	<0.5	<5	7	45	0.006		2.74
E500395		2.38	<0.5	<5	6	40	0.007		
E500396		2.31	<0.5	<5	6	39	0.005		
E500397		2.35	<0.5	<5	7	29	0.019		
E500398		1.33	<0.5	<5	8	26	0.045		
E500399		1.37	<0.5	<5	6	24	0.017		
E500400		0.11	<0.5	<5	25	27	<0.005		
E500401		2.05	<0.5	<5	35	55	<0.005		
E500402		2.41	<0.5	<5	53	75	<0.005		2.65
E500403		2.46	<0.5	<5	51	81	0.019		
E500404		2.23	<0.5	<5	64	59	0.050		
E500405		2.47	<0.5	<5	46	59	0.291		
E500406		2.41	<0.5	<5	18	57	0.028		
E500407		2.39	<0.5	<5	21	59	0.069		
E500408		1.31	0.6	10	27	35	1.700		
E500409		1.17	<0.5	11	22	56	0.408		
E500410		2.48	<0.5	<5	21	52	0.032		
E500411		2.60	0.5	<5	27	86	0.284		
E500412		2.51	<0.5	<5	34	51	0.175		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292732

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	OA-GRA08b S.G. Unity 0.01
E500413		0.11	5.7	31	412	562	0.851		
E500414		2.44	<0.5	10	46	39	0.212		
E500415		1.59	<0.5	5	29	58	0.145		
E500416		1.23	<0.5	<5	2	17	0.021		
E500417		1.89	<0.5	<5	4	36	0.007		
E500418		1.04	<0.5	<5	6	164	0.005		
E500419		1.18	<0.5	<5	4	63	<0.005		
E500420		2.36	<0.5	<5	3	35	0.006		2.78
E500421		2.34	<0.5	<5	14	41	0.020		
E500422		2.20	<0.5	<5	4	32	0.024		
E500423		1.72	<0.5	<5	3	163	0.008		
E500424		1.53	<0.5	<5	51	572	0.017		
E500425		1.37	<0.5	<5	45	72	0.136		
E500426		0.11	<0.5	<5	25	29	<0.005		
E500427		1.17	<0.5	<5	2	12	0.119		
E500428		1.37	<0.5	<5	4	24	0.008		
E500429		2.33	<0.5	<5	4	24	0.012		
E500430		2.46	<0.5	<5	5	26	0.047		
E500431		2.31	<0.5	<5	5	22	0.011		
E500432		2.22	<0.5	<5	7	24	0.019		
E500433		1.65	<0.5	<5	11	18	0.014		
E500434		1.35	<0.5	<5	53	72	0.034		
E500435		2.50	<0.5	<5	58	77	0.036		
E500436		1.47	16.9	21	61	53	2.54		
E500437		1.80	<0.5	<5	68	76	0.205		
E500438		1.43	0.7	<5	198	220	0.058		
E500439		1.91	<0.5	<5	39	69	0.165		
E500440		0.11	1.7	6220	52	68	6.73	6.13	
E500441		2.48	<0.5	5	42	61	0.091		
E500442		2.32	<0.5	<5	38	106	0.055		
E500443		2.40	<0.5	<5	77	79	0.008		
E500444		2.48	<0.5	<5	11	48	<0.005		
E500445		2.41	<0.5	<5	41	65	0.039		2.70
E500446		2.52	<0.5	<5	46	56	0.084		
E500447		2.47	<0.5	<5	25	67	0.029		
E500448		2.43	<0.5	<5	41	76	0.285		
E500449		2.47	<0.5	6	59	56	0.245		
E500450		2.51	<0.5	<5	16	53	0.289		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 29-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292732

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

CERTIFICATE TB21292733

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 28-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292733

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
E500451		2.68	<0.5	<5	16	44	<0.005		
E500452		2.57	<0.5	<5	31	49	<0.005		
E500453		2.55	<0.5	<5	9	44	0.084		
E500454		2.42	<0.5	<5	14	65	0.009		
E500455		2.38	<0.5	<5	20	70	0.015		
E500456		2.32	<0.5	<5	9	47	<0.005		
E500457		1.63	<0.5	<5	4	53	0.198		
E500458		1.41	<0.5	7	19	85	0.501		
E500459		1.98	<0.5	<5	4	61	0.005		
E500460		1.55	<0.5	<5	3	48	0.061		
E500461		1.68	<0.5	<5	15	37	0.388		
E500462		1.83	<0.5	5	16	41	2.16		
E500463		0.11	5.6	32	420	568	0.803		
E500464		1.00	<0.5	<5	66	54	0.099		
E500465		1.38	<0.5	<5	37	47	0.055		
E500466		2.75	<0.5	<5	59	74	0.206		
E500467		2.53	<0.5	<5	27	73	0.017		
E500468		1.22	<0.5	<5	22	90	0.019		
E500469		1.02	0.6	9	11	86	1.060		
E500470		1.40	<0.5	<5	24	69	0.156		
E500471		1.12	<0.5	<5	21	69	1.660		
E500472		1.92	<0.5	<5	12	69	0.022		
E500473		2.05	<0.5	<5	13	58	0.016		
E500474		2.20	<0.5	<5	16	52	<0.005		
E500475		2.19	<0.5	<5	50	53	0.217		
E500476		2.20	<0.5	<5	19	50	0.007		
E500477		0.11	<0.5	5	19	39	<0.005		
E500478		2.40	<0.5	<5	21	51	0.007		
E500479		2.21	<0.5	<5	20	53	<0.005		
E500480		2.19	<0.5	<5	25	56	0.017		
E500481		1.09	<0.5	<5	46	57	0.057		
E500482		1.53	<0.5	<5	18	47	0.116		
E500483		1.76	<0.5	<5	13	51	<0.005		
E500484		2.10	<0.5	<5	20	52	0.006		
E500485		2.55	<0.5	<5	16	53	0.011		
E500486		2.26	<0.5	<5	16	51	<0.005		
E500487		2.27	<0.5	<5	13	52	<0.005		
E500488		2.32	<0.5	<5	16	51	0.030		
E500489		2.31	<0.5	<5	11	51	<0.005		
E500490		0.11	0.5	6160	51	70	6.56	6.30	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292733

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	Au-GRA22 Au Check ppm 0.05
E500491		2.38	<0.5	<5	16	51	0.044		
E500492		2.36	<0.5	<5	14	53	<0.005		
E500493		1.35	<0.5	<5	24	47	0.273		
E500494		1.34	<0.5	<5	18	53	0.083		
E500495		1.69	<0.5	<5	44	57	0.008		
E500496		2.24	<0.5	<5	40	54	0.147		
E500497		2.18	<0.5	5	5	66	0.424		
E500498		1.56	<0.5	<5	1	86	<0.005		
E500499		2.15	<0.5	<5	12	79	<0.005		
E500500		2.18	<0.5	<5	58	80	<0.005		
E500501		2.21	<0.5	<5	127	80	0.007		
E500502		1.86	<0.5	<5	62	75	0.011		
E500503		0.11	<0.5	<5	19	39	<0.005		
E500504		2.02	<0.5	6	48	74	0.422		
E500505		2.38	<0.5	<5	14	58	0.123		
E500506		1.92	<0.5	<5	74	70	0.015		
E500507		1.27	<0.5	<5	22	50	0.042		
E500508		2.09	<0.5	<5	53	60	0.040		
E500509		2.05	<0.5	<5	23	60	0.008		
E500510		1.66	<0.5	<5	7	52	0.096		
E500511		1.40	<0.5	<5	20	53	1.290		
E500512		1.91	<0.5	<5	4	49	0.005		
E500513		2.35	<0.5	<5	24	60	<0.005		
E500514		2.45	<0.5	<5	23	68	0.005		
E500515		1.95	<0.5	<5	13	60	0.007		
E500516		0.11	5.6	32	422	583	0.854		
E500517		1.51	<0.5	<5	29	43	0.167		
E500518		1.34	<0.5	<5	11	60	<0.005		
E500519		2.41	<0.5	<5	18	60	<0.005		
E500520		2.37	<0.5	<5	2	43	<0.005		
E500521		2.27	<0.5	<5	19	67	<0.005		
E500522		2.35	<0.5	6	8	58	0.155		
E500523		2.43	<0.5	<5	13	48	0.188		
E500524		2.09	<0.5	<5	19	53	0.009		
E500525		2.32	<0.5	<5	147	47	0.090		
E500526		2.25	<0.5	<5	14	51	0.007		
E500527		2.09	<0.5	<5	5	39	0.005		
E500528		1.17	<0.5	5	11	34	3.75	1.42	0.65

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 1-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21292733

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21294094

Project: Van Horne

This report is for 30 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 29-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294094

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	OA-GRA08b S.G. Unity 0.01
E500685		2.24	<0.5	<5	15	41	<0.005	
E500686		1.06	<0.5	6	18	36	0.490	
E500687		2.12	<0.5	<5	12	16	0.052	
E500688		0.98	<0.5	<5	11	14	0.387	
E500689		1.09	<0.5	<5	13	16	0.348	
E500690		2.45	<0.5	<5	14	23	0.061	
E500691		1.16	<0.5	<5	34	27	0.296	
E500692		1.19	<0.5	<5	33	22	0.049	
E500693		1.49	2.5	<5	43	24	2.61	
E500694		1.24	<0.5	<5	49	31	0.106	
E500695		1.25	<0.5	<5	17	24	0.089	
E500696		1.38	<0.5	<5	13	37	0.260	
E500697		0.11	6.5	32	417	555	0.813	
E500698		1.40	<0.5	<5	90	30	0.014	
E500699		2.33	<0.5	<5	8	19	0.007	2.81
E500700		2.35	<0.5	<5	4	20	0.009	
E500701		1.16	<0.5	<5	45	62	<0.005	
E500702		1.23	<0.5	<5	38	68	0.024	
E500703		3.00	<0.5	<5	185	51	0.044	
E500704		2.23	<0.5	<5	35	49	0.007	
E500705		2.19	<0.5	<5	58	66	0.014	2.83
E500706		1.40	<0.5	<5	36	62	0.025	
E500707		1.85	<0.5	<5	61	47	0.136	
E500708		1.89	0.5	10	36	38	0.594	
E500709		1.88	<0.5	10	30	55	0.299	
E500710		2.35	<0.5	<5	37	65	0.056	
E500711		0.11	<0.5	<5	19	38	<0.005	
E500712		2.35	<0.5	8	54	48	0.410	
E500713		2.19	<0.5	<5	33	42	0.129	
E500714		2.21	<0.5	<5	29	66	0.024	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294094

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:			
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
Au-AA24	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-DEC-2021
Account: KECIBQJN

CERTIFICATE TB21294125

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 29-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****
Comments: Additional Au result for sample E500668 reported 7.88 ppm on Au-AA24.

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294125

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au	S.G.
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	Unity
	LOD	0.02	0.5	5	1	2	0.005	0.05	0.01
E500607		1.03	<0.5	<5	13	43	<0.005		
E500608		2.33	<0.5	<5	1	44	<0.005		
E500609		2.27	0.7	6	1	48	2.01		
E500610		1.13	<0.5	<5	1	37	0.010		
E500611		1.10	<0.5	<5	1	36	0.019		
E500612		2.31	<0.5	<5	3	34	0.211		
E500613		2.51	<0.5	<5	2	41	<0.005		
E500614		2.29	<0.5	<5	3	36	0.020		
E500615		2.47	<0.5	<5	10	31	<0.005		
E500616		2.17	<0.5	<5	3	29	0.016		
E500617		2.47	<0.5	<5	<1	28	<0.005		
E500618		2.45	<0.5	<5	1	27	<0.005		
E500619		2.10	<0.5	<5	1	23	<0.005		
E500620		2.49	<0.5	<5	1	23	<0.005		
E500621		0.11	0.9	6150	48	66	6.35	6.32	
E500622		2.40	<0.5	7	3	24	0.145		
E500623		2.48	<0.5	<5	2	23	0.049		
E500624		2.33	<0.5	<5	1	21	0.131		
E500625		2.28	<0.5	<5	2	30	<0.005		
E500626		2.36	<0.5	<5	2	30	<0.005		
E500627		2.47	<0.5	<5	<1	29	<0.005		
E500628		2.29	<0.5	<5	3	28	<0.005		
E500629		2.33	<0.5	<5	3	47	0.012		
E500630		2.26	1.3	<5	6	19	0.448		
E500631		1.76	<0.5	<5	14	48	0.064		
E500632		1.68	0.6	12	9	21	0.190		
E500633		1.39	0.8	8	3	17	1.195		
E500634		0.11	<0.5	<5	18	36	0.008		
E500635		2.45	0.5	8	7	19	0.634		
E500636		2.37	<0.5	<5	9	27	0.661		
E500637		2.22	<0.5	<5	5	27	0.741		
E500638		2.33	<0.5	<5	7	27	0.124		2.82
E500639		2.38	<0.5	5	7	29	0.605		
E500640		1.98	<0.5	<5	16	28	1.720		
E500641		1.11	<0.5	6	7	12	1.580		
E500642		1.31	<0.5	6	13	27	0.399		
E500643		1.97	<0.5	<5	8	27	0.849		
E500644		2.37	<0.5	<5	8	23	0.218		
E500645		2.36	<0.5	6	13	22	0.334		
E500646		2.14	<0.5	<5	10	28	0.229		

Comments: Additional Au result for sample E500668 reported 7.88 ppm on Au-AA24.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294125

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au	S.G.
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	Unity
	LOD	0.02	0.5	5	1	2	0.005	0.05	0.01
E500647		0.11	5.7	29	399	541	0.840		
E500648		1.98	<0.5	<5	11	35	0.091		
E500649		1.47	<0.5	<5	4	20	0.078		
E500650		1.13	<0.5	<5	2	17	<0.005		
E500651		2.05	<0.5	<5	3	19	0.632		
E500652		2.21	<0.5	<5	4	25	0.223		
E500653		2.25	<0.5	<5	1	21	<0.005		
E500654		2.21	<0.5	<5	4	24	0.060		
E500655		2.36	<0.5	<5	8	28	0.174		
E500656		2.19	<0.5	<5	12	26	0.119		
E500657		2.17	<0.5	<5	18	30	0.093		
E500658		1.10	<0.5	<5	20	42	0.119		
E500659		1.43	<0.5	<5	13	38	0.189		
E500660		0.11	<0.5	<5	18	38	<0.005		
E500661		1.95	<0.5	<5	5	10	0.058		
E500662		2.16	<0.5	<5	25	29	0.287		
E500663		2.30	0.6	<5	29	33	0.537		
E500664		2.22	<0.5	<5	22	31	0.035		
E500665		1.79	<0.5	<5	23	34	0.116		
E500666		1.98	0.5	<5	20	17	0.090		
E500667		1.04	<0.5	<5	35	19	0.034		
E500668		1.91	1.6	6	17	31	>10.0	4.19	
E500669		2.24	0.7	<5	50	20	0.033		
E500670		2.19	0.5	<5	30	28	0.108		
E500671		2.17	<0.5	<5	20	19	0.096		
E500672		2.37	<0.5	<5	36	15	0.058		
E500673		2.37	<0.5	<5	35	13	0.080		
E500674		0.11	0.8	5130	49	68	6.61	6.35	
E500675		2.04	0.5	11	23	22	0.276		
E500676		1.68	<0.5	5	32	24	0.391		
E500677		1.09	0.6	<5	24	34	0.244		
E500678		2.23	0.6	9	25	33	0.186		
E500679		2.28	<0.5	6	28	35	0.301		
E500680		2.42	1.7	<5	214	27	1.535		
E500681		2.47	0.5	<5	33	21	0.200		
E500682		2.36	0.8	<5	51	25	0.111		
E500683		1.93	0.7	5	32	24	0.449		
E500684		1.56	0.6	<5	18	24	0.323		

Comments: Additional Au result for sample E500668 reported 7.88 ppm on Au-AA24.

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 9-DEC-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294125

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

CERTIFICATE TB21294126

Project: Van Horne

This report is for 78 samples of 1/2 Core submitted to our lab in Thunder Bay, ON, Canada on 29-OCT-2021.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294126

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
E500529		2.43	<0.5	<5	15	53	<0.005	
E500530		1.37	0.7	6	5	29	0.352	
E500531		2.03	<0.5	<5	25	36	0.079	
E500532		2.44	<0.5	<5	32	34	0.006	
E500533		1.10	<0.5	<5	41	32	0.005	
E500534		1.11	<0.5	<5	33	33	<0.005	
E500535		2.28	0.7	9	13	25	1.045	
E500536		2.20	<0.5	8	25	33	0.384	
E500537		2.50	<0.5	<5	24	52	0.024	
E500538		2.42	<0.5	<5	11	60	0.006	
E500539		2.21	<0.5	<5	10	55	0.159	
E500540		1.10	<0.5	<5	13	57	1.230	
E500541		1.53	<0.5	<5	15	77	0.022	
E500542		2.45	<0.5	<5	44	88	0.040	
E500543		0.11	5.7	31	415	562	0.833	
E500544		1.16	<0.5	<5	40	81	0.008	
E500545		1.16	<0.5	<5	26	64	0.571	
E500546		2.08	<0.5	<5	42	76	0.559	
E500547		1.07	<0.5	<5	16	60	0.011	
E500548		1.08	<0.5	<5	5	56	0.007	
E500549		2.17	<0.5	<5	7	63	0.055	
E500550		2.41	<0.5	5	78	97	0.021	
E500551		1.18	<0.5	5	26	147	0.016	
E500552		1.50	<0.5	7	18	96	0.122	
E500553		1.90	<0.5	<5	10	91	0.026	
E500554		2.18	<0.5	5	45	55	0.088	
E500555		2.19	<0.5	<5	19	63	0.017	
E500556		0.11	0.7	6210	52	69	6.37	7.15
E500557		2.41	<0.5	14	7	55	0.008	
E500558		2.26	<0.5	<5	18	53	0.013	
E500559		2.20	<0.5	<5	24	70	0.010	
E500560		2.28	<0.5	<5	14	97	0.006	
E500561		2.30	<0.5	<5	10	62	0.008	
E500562		2.14	<0.5	<5	6	48	<0.005	
E500563		2.31	<0.5	<5	7	48	<0.005	
E500564		2.33	<0.5	<5	5	40	<0.005	
E500565		2.28	<0.5	<5	14	48	<0.005	
E500566		2.41	<0.5	<5	14	43	0.006	
E500567		2.30	<0.5	<5	22	44	0.025	
E500568		2.30	<0.5	<5	5	52	0.309	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294126

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Zn ppm 2	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
E500569		2.43	<0.5	5	2	39	0.558	
E500570		0.11	<0.5	<5	18	37	<0.005	
E500571		2.27	<0.5	<5	12	47	0.006	
E500572		2.28	<0.5	<5	37	44	0.019	
E500573		2.52	<0.5	<5	16	50	0.317	
E500574		2.41	<0.5	<5	9	53	0.234	
E500575		2.44	<0.5	<5	22	43	0.070	
E500576		2.38	<0.5	<5	17	58	0.037	
E500577		2.34	<0.5	<5	7	56	0.142	
E500578		2.41	<0.5	<5	8	47	0.163	
E500579		2.39	<0.5	7	17	56	0.138	
E500580		2.39	<0.5	7	11	56	0.058	
E500581		2.52	<0.5	<5	4	59	<0.005	
E500582		2.46	<0.5	<5	6	61	0.015	
E500583		1.24	<0.5	<5	5	71	0.073	
E500584		0.11	5.9	31	433	586	0.808	
E500585		1.25	<0.5	7	29	28	1.265	
E500586		1.51	<0.5	5	8	44	0.525	
E500587		1.30	<0.5	<5	9	43	0.150	
E500588		1.69	<0.5	<5	11	58	0.012	
E500589		1.64	<0.5	<5	16	74	0.061	
E500590		1.25	<0.5	<5	66	44	0.207	
E500591		1.95	<0.5	<5	2	42	0.061	
E500592		2.35	<0.5	<5	2	33	<0.005	
E500593		2.65	<0.5	<5	7	42	0.064	
E500594		2.37	<0.5	<5	5	35	<0.005	
E500595		2.38	<0.5	<5	7	39	<0.005	
E500596		2.42	<0.5	<5	4	41	<0.005	
E500597		2.30	<0.5	<5	3	42	0.099	
E500598		0.11	<0.5	<5	19	38	<0.005	
E500599		2.72	<0.5	<5	2	51	0.007	
E500600		2.36	<0.5	<5	2	50	<0.005	
E500601		2.44	<0.5	<5	3	39	<0.005	
E500602		2.27	<0.5	<5	15	38	<0.005	
E500603		2.27	<0.5	<5	4	34	<0.005	
E500604		2.40	<0.5	<5	7	49	<0.005	
E500605		2.34	<0.5	<5	8	46	0.018	
E500606		2.25	<0.5	<5	3	48	<0.005	

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Finalized Date: 28-NOV-2021
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB21294126

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	Au-AA24	Au-GRA22	ME-ICP61