BC Geological Survey
Assessment Report
39282

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: GEOLOGICAL

TOTAL COST: $86,074.21

AUTHOR(S): Robert M. Cann, M.Sc., P.Geo.

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A

YEAR OF WORK: 2020

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event No.: 5824395 - 2021/JAN/05

PROPERTY NAME: PERK - ROCKY

CLAIM NAME(S) (on which the work was done): PERK, PERK3, PERK 2, PERK 3, PERK 4, PERK 5, ROCKY, ROCKY 2, ROCKY 3

COMMODITIES SOUGHT: Cu - Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092N053 & 092N011

MINING DIVISION: CARIBOO

NTS/BCGS: 92N/14

LATITUDE: 51 ° 48 ' 06 " **LONGITUDE:** 125 ° 04 ' 30 " **(at centre of work)**

OWNER(S):

1) 1026452 B.C. LTD
2) Douglas Leishman

MAILING ADDRESS:

1-2494 Cornwall Ave.
Vancouver, BC V6K 1B8

960 Harbour View Place
Bowen Island, BC V0N 1G1

OPERATOR(S) [who paid for the work]:

1) Ethos Gold Corp.
2)

MAILING ADDRESS:

1430-800 West Pender St.
Vancouver, BC V6C 2V6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Coast Range Intrusives (Triassic to Tertiary); Upper Triassic Mosley Fm. volcaniclastics; Lower Cretaceous Cloud Drifter Fm. sediments; propylitic, phyllic, advanced argillic alteration; disseminated chalcopyrite and bornite; Briton Fe showing; Chromium Creek shear; thrust faults

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: AR 2540, AR 4729, AR 5522, AR 5301, AR 6397, AR 6960, AR36341, AR36349, AR36354, AR36338, AR36394, AR38794

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	1,100 ha		$76,058.57
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	84 - Au (FA/ICP) + 48 element ICP-AES		$5,441.52
Other	QC: 4 - Au (FA/ICP) + 48 element ICP-AES		$259.12
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic	Cut slabs - 258		$4,315.00
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$86,074.21

Geological Report
on the Perk-Rocky Project
British Columbia, Canada

Claims: PERK|PERK3|PERK 2 – 7|ROCKY|ROCKY 2 – 9|BOSSBIRD

NTS: 92N/14

Cariboo Mining Division

Latitude 51°48.1′N; Longitude 125° 04.5′W

Report Date: January 31, 2021

Operator:

Ethos Gold Corp.

1430 – 800 West Pender Street
Vancouver, BC, V6C 2V6

Owner(s):

1026452 B.C. LTD. | Douglas Leishman |Ethos Gold Corp.

Prepared by: **Robert M. Cann, M.Sc., P.Geo.**

RoCa Consulting Inc.

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1 Introduction

The Perk-Rocky project (also referred to as the Perk Project) is an early-stage Cu-Au target located about 220 kilometres (km) west of Williams Lake (Figure 1), at the east end of the Pantheon Range, part of the Coast Range Mountains of southern British Columbia. The claims cover an area of 67.16 square km on which Ethos Gold Corp. (Ethos) conducted exploration under an earn-in agreement dated May 10, 2019.

Exploration interest in Perk-Rocky results from a large limonite colour anomaly together with known iron-oxide occurrences at the historic Briton prospect (also referred to as Wallace prospect) and minor copper occurrences. The presence of the nearby Mountain Boss and Bluebell gold prospects located immediately north of the property, together with more recent recognition of pyrophyllite at Briton (Cathro, 2002) and widespread hydrothermal alteration identified in Aster imagery added to the interest.

The following exploration field work, as a rapid mapping and sampling program, was completed between September 8 and September 21, 2020:

- Conventional geological mapping expanding and adding detail to 2019 mapping.
- Collection of 84 rock samples during mapping for geochemical analysis.
- Collection, preservation and slabbing of 308 hand samples (146 from 2020 mapping plus 162 from 2019) for future K-feldspar staining, Terraspec, petrographic and possible additional analysis.

Work was completed by a crew of 3 geologists contracted directly by Ethos or contracted from Vector Geological Solutions working under the supervision of RoCa Consulting Inc. on behalf of Ethos.

The field work was based out of the White Saddle Country Inn located at the south end of Bluff Lake, about a 30 minute drive south of Tatla Lake, and 25 km directly east-southeast of the project. The inn provided evening meals, electricity and reliable internet access, and was conveniently situated near White Saddle Air Service's base, from which daily helicopter services were employed to access the property using a Bell Long Ranger IV or Bell 407. Although road access exists onto the property, the practicality is that foot and helicopter are required for effective access to the narrow ridges and steep slopes. The field work was above timberline at elevations between 1760 and 2770 metres.

2 Location and Access

The Perk-Rocky property is centred on Perkins Peak British Columbia at an average elevation of around 2100 metres. It is 23 km southwest of the village of Kleena Kleene on Highway 20, which is situated approximately halfway between Bella Coola on the west coast and Williams Lake (175 km to the east) in the Chilcotin Interior (Figure 1).

Daily access to the property for the current work was by helicopter using White Saddle Air Services Ltd. based at the south end of Bluff Lake which is 20 km south-southwest of the village of Tatla Lake via gravel road.

Road access is possible from late June to late September - early October via the Miner Lake Forest Service Road near Kleena Kleene, and the Perkins Peak four-wheel drive mine road (Figure 2). From Tatla Lake, a drive west along Highway 20 for 24 km leads to the Miner Lake Road Forest Road turnoff to the south. After approximately 20 km, the rocky four-wheel drive (mainly above treeline) mine road to the Perkins Peak vicinity is taken for another 12 km.

Fuel is available on Highway 20 at the communities of Redstone (76 km east of Tatla Lake), Nimpo Lake (61 km west of Tatla Lake) and at Tatla Lake (part time fuel hours at Tatla Lake as of the date of this report).

Scheduled air service is available to Anahim Lake (approximately 65 km north of Kleena Kleene) and to Williams Lake. A 1.8 km paved runway controlled by the BC Forest Service is located near Puntzi Lake and Redstone, approximately 40 km east of Tatla Lake, and would be available for chartered flights. A 0.7 km dirt airstrip is also located at White Saddle Air Services and can be used by suitable light aircraft.

The most convenient lodging and food facilities near the property are at Tatla Lake and at the White Saddle Country Inn located at the south end of Bluff Lake.

Figure 1. Perk-Rocky location map.

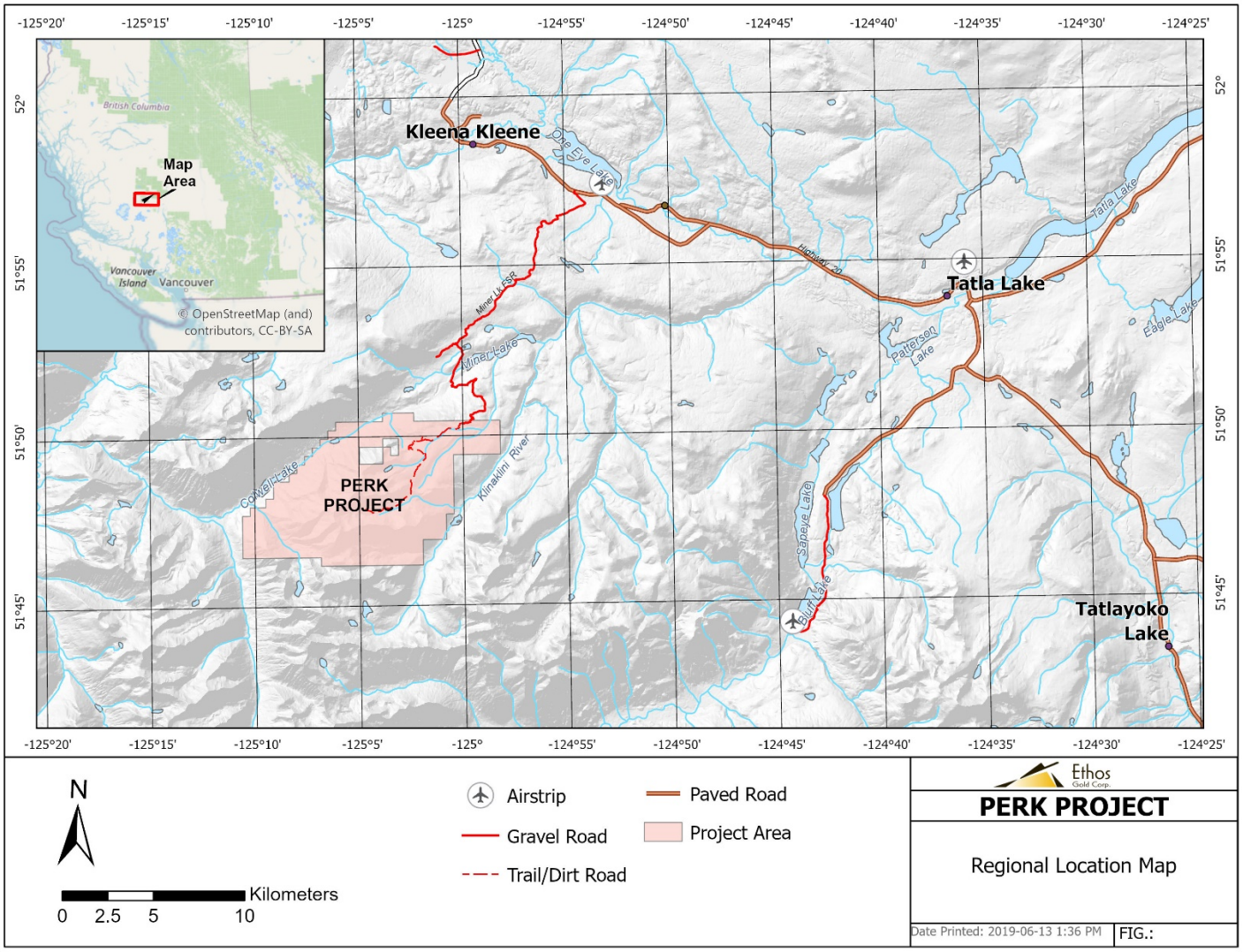


Figure 2. Perk-Rocky regional location and access.

3 Property Description and Permitting

3.1 Land Tenure

The Perk-Rocky project consists of 18 contiguous mineral claims totalling 7,554.8 hectares approximately centred on Perkins Peak (2842 m; Figure 3). The western boundary is approximately 5 km west of Perkins Peak and immediately east of Colwell Lake. The south and east boundaries are located 4 km and 5.4 km south and east of Perkins Peak respectively. The irregular north boundary is located approximately 3.9 km north of Perkins Peak and partially wraps around third-party claims covering the historic Mountain Boss gold, silver and copper developed prospect (MINFILE 092N 010).

The Perk, Perk 2 and Perk 4 claims host the PIN Copper showings (MINFILE 092N 053) while the Perk 5 claim hosts the Briton iron prospect (MINFILE 092N 011) in Chromium Creek (Figure 3).

The pertinent claim data for the property are summarized in the table below (Table 1). The Perk claim series are owned 100% by 281142 BC Ltd. while the Rocky, Rocky 2 to 6, and the Bossbird claim are owned 50% by 281142 BC Ltd. and 50% by Douglas Leishman. The Rocky 7 to 9 claims are owned 100% by Ethos. 2020 exploration work was conducted by Ethos under an earn-in agreement dated May 10, 2019.

Table 1. Perk-Rocky claim details.

Claim Name	Title Number	Owner1	Owner2	Issue Date	Good To Date	Area (ha)
PERK	1038289	281142 (100%)	-	2015/AUG/31	2027/OCT/10	239.8006
PERK 2	1038290	281142 (100%)	-	2015/AUG/31	2027/OCT/10	399.7774
PERK 3	1038291	281142 (100%)	-	2015/AUG/31	2027/OCT/10	119.9076
PERK3	1039156	281142 (100%)	-	2015/OCT/07	2027/OCT/10	139.8629
PERK 4	1054632	281142 (100%)	-	2017/SEP/06	2027/OCT/10	339.7188
PERK 5	1060233	281142 (100%)	-	2018/APR/23	2027/OCT/10	219.8892
PERK 6	1064154	281142 (100%)	-	2018/NOV/01	2027/OCT/10	19.9788
PERK 7	1064155	281142 (100%)	-	2018/NOV/01	2027/OCT/10	79.908
ROCKY	1041972	281142 (50%)	D. Leishman (50%)	2016/FEB/11	2027/OCT/10	1039.2538
ROCKY 2	1059917	281142 (50%)	D. Leishman (50%)	2018/APR/09	2027/OCT/10	259.9088
ROCKY 3	1064296	281142 (50%)	D. Leishman (50%)	2018/NOV/06	2027/OCT/10	939.7039
ROCKY 4	1068011	281142 (50%)	D. Leishman (50%)	2019/APR/18	2025/OCT/10	1239.7586
ROCKY 5	1068014	281142 (50%)	D. Leishman (50%)	2019/APR/18	2025/OCT/10	878.8772
ROCKY 6	1068016	281142 (50%)	D. Leishman (50%)	2019/APR/18	2025/OCT/10	799.509
ROCKY 7	1076189	Ethos (100%)	-	2020/MAY/13	2025/OCT/10	39.97
ROCKY 8	1076190	Ethos (100%)	-	2020/MAY/13	2025/OCT/10	119.89
ROCKY 9	1076191	Ethos (100%)	-	2020/MAY/13	2025/OCT/10	639.13
BOSSBIRD	1064031	281142 (50%)	D. Leishman (50%)	2018/OCT/24	2027/OCT/10	39.96

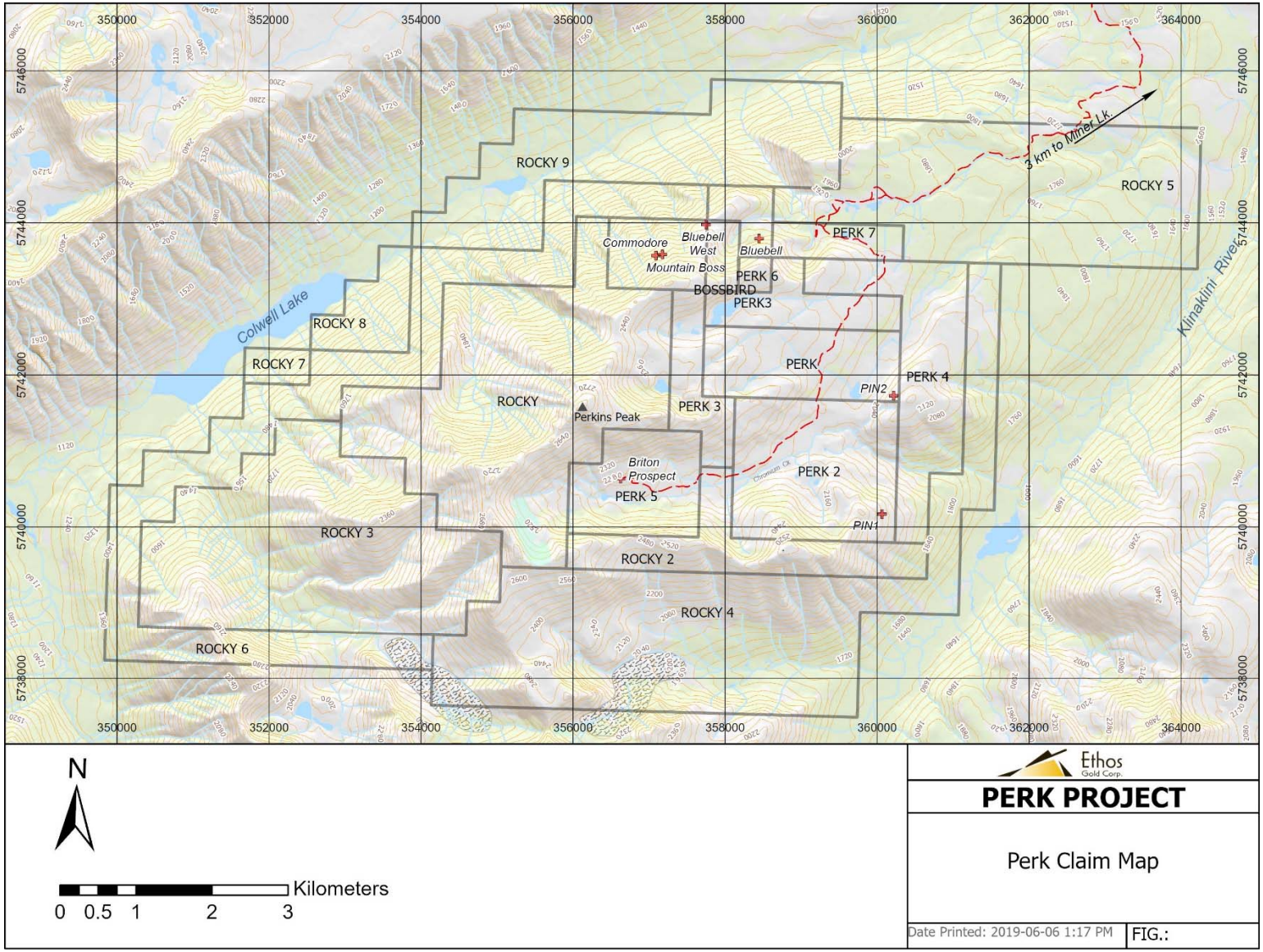


Figure 3. Perk-Rocky claim map.

4 Physiography

The Perk-Rocky property is located at the east end of the Pantheon Range, part of the Coast Range Mountains of southern British Columbia. The northwest boundary of the property lies along the northeast-trending Colwell Creek – Miner Lake valley (about 1150 m elevation; Figure 3) while the southeast side lies along the northeast-trending Klinaklini River valley (about 1600 m elevation). The area is dominated by Perkins Peak near the centre of the property at 2842 m. Chromium Creek valley drains to the south of Perkins Peak and runs eastward into the Klinaklini River. It seems likely that post-glacial Chromium Creek originally flowed northeasterly along the well developed valley running parallel to the project access road and emptied into Miner Lake.

The property is dominated by rugged alpine features with numerous steep rocky slopes and cliffs and talus debris. The alpine valleys are largely to partially covered by moraine, till, talus-derived small rock glaciers, talus sheets, talus cones and other periglacial features. The head of Chromium Creek forms a cirque containing a small partially preserved ice sheet and a small tarn.

Treeline is at approximately 1900 m therefore much of the property is largely devoid of trees except for small alpine shrubs, moss, lichens and small patches of flowering plants. Lower elevations host spruce and fir although much of the Colwell Creek – Miner Lake valley has been burned in recent years – most recently in 2017. Small areas of clear-cut logging encroach on the east end of the Rocky 5 claim.

Almost no wildlife has been observed above treeline; however, black and grizzly bears have been observed in forested areas at lower elevation outside the project and signs of moose were observed in forested and burned areas along Colwell Creek valley. Goats have been occasionally observed at high elevation on Perk.

5 History

The Perk-Rocky property has a limited but long exploration history dating from 1911 when crown granted claims were located to cover the Briton Iron prospect (MINFILE 092N 011) which is located in Chromium Creek valley south of Perkin Peak (Figure 3). A short exploration program is also recorded in 1973 on the PIN copper prospects (MINFILE 092N 053) by Cities Service Minerals Corporation.

Immediately north of the property, the Mountain Boss and Bluebell gold showings (MINFILE 092N 010 and 092N 012) have recorded erratic exploration and development dating from at least 1925.

History of the prospects is described in more detail below.

Briton Iron Prospect:

The Briton Iron prospect (also historically referred to as the Wallace Iron showing) is located on the Perk 5 claim at UTM coordinates 356625E/5740635N (NAD83 z10). Crown granted claims dating back to 1911 relating to the Briton iron prospect were first described in the 1916 Minister of Mines Annual Report (Minister of Mines, 1916). The showing was developed by eight open cuts and a 180 metre long adit that apparently failed to intersect the hematite zone.

Samples collected in 1916 by J.D. Galloway, Assistant Provincial Mineralogist, returned up to 47.8% Fe (average of westerly dump), and 57% (selected ore from another cut). Two dump samples collected in 1921 by W.M. Brewer, assayed 48.9 and 56.7% Fe (Dolmage, 1931). Dr. V. Dolmage visited the site in 1925 for the Canada Department of Mines (Dolmage, 1925) and described the hematite as being a replacement deposit in a bed of porous volcanic tuff.

No further record of work is recorded until an airborne geophysical survey was reported in August 1970 by C. L. Smith on behalf of Hunter Point Explorations Ltd. (Smith, 1970). The airborne survey covered an estimated area of 3.35 km by 6.7 km and was conducted in May 1970 by Waterton Airex Ltd. The electromagnetic (EM), magnetic and radiometric survey was flown with 22 lines on a bearing of N 63 E spaced at 152 metres. The survey appears to be generally centred on the iron workings and interpreted a regional contact between sedimentary rocks and overlying pyroclastic volcanic rocks. In the areas of the workings the EM and magnetic responses was described as being distinctive and prospecting and ground EM and magnetic surveys were recommended.

In 2002, Michael S. Cathro, P.Geo visited the Briton iron prospect as the Kamloops Regional Geologist. Cathro concluded that the hematite at the Briton iron prospect appeared to be of hydrothermal origin due to its intimate association with the unusual aluminous (advanced argillic) alteration assemblage. It was further suggested that this assemblage could represent the upper part of a porphyry environment (Cathro, 2003).

PIN Copper showing:

The Minfile PIN showing lies on the east side of the Perk 2 claim and is actually two distinct copper showings informally referred to here as PIN 1 and PIN 2. In July 1973 the area in the vicinity of PIN was staked for Cities Service Minerals Corporation to explore for the source of float mineralized with bornite, chalcopyrite, chalcocite and malachite located during a regional helicopter-based reconnaissance

prospecting program. In late July and August 1973, geochemical, magnetic, geological and I.P. surveys were completed by Cities Service.

Surveys were conducted on chained and flagged base lines extending in an east-west direction over 3 km with north-south lines placed every 183 metres (600 feet) of varying lengths but mostly under 1500 metres in length. A total of 550 silt, soil, talus and chip samples from the rock outcrops were analysed mainly for Cu, Mo, As and Zn. Gold was not analysed for as a copper-molybdenum deposit was the exploration target at the time (Murton, 1973). Soil samples returned values up to 164 ppm Cu and 500 ppm As.

A 4.9 line-km multi-frequency ground I.P. survey employed a dipole-diploe array with a dipole spacing of 61 metres (200 feet). A ground magnetic survey was also conducted with readings taken at 61 metres along the easier accessible parts of the lines and every 30.5 metres near stations with higher readings. A number of (sometimes coinciding with geochemical anomalies) I.P. anomalies were located.

Mapping identified widespread chloritized and epidotized andesite with local malachite and chalcopyrite. A prominent regional shear was mapped over much of Chromium Creek with intensely altered, slightly silicified sericitic schists with both fresh and weathered out pyrite.

Mountain Boss and Bluebell Gold Showings:

Historical and more recent workings of the mainly gold bearing Mountain Boss and Bluebell showings are located 2.5 to 3 km northeast of Perkins Peak on steep north facing slopes (outside the current claim area).

Interest in the area dates back to at least 1925, at which time, Dr. V. Dolmage of the Canada Department of Mines, Geological Survey (Dolmage, 1925) reported on the gold showings in a small adit (Mountain Boss). Dr. Hartley Sargent made a more extensive report to the Minister of mines in 1938 on the Mountain Boss group. He made note of the structure of quartz veins which contained gold with arsenopyrite (Minster of Mines, 1938).

A report by J. Mandy (Property File, 1948) describes an inferred tonnage of 30,000 tonnes in a single ore shoot; twenty-seven channel and chip samples from the Commodore adit were collected by Mandy, which gave a weighted uncut average for all assays of 14.0 grams per tonne gold and 5.5 grams per tonne silver across a width of 15.5 metres. A selected grab sample assayed 25.4 grams per tonne gold and 34 grams per tonne silver (Minister of Mines Annual Report 1938).

In October 1966 Hunter Point Explorations Ltd. (Hunter Point) acquired its first properties in the area. An 18 kilometre road was constructed by Hunter Point from the Bella Coola – Williams Lake Highway to Miner Lake with plans to provide further access to the showings shortly after this construction. Road access into the mine site was completed in 1970 with additional local road construction from 1971 to 1973.

A 1974 drill hole (DDH No 3) using AQ core, drilled vertical to 30.5 metres depth and collared approximately 91 metres east of the Mountain Boss adit portal was reported but results are unavailable (Hretchka,1974).

A VLF-EM ground survey was conducted over the mine workings in 1976 on behalf of Hunter Point (Cooper, 1976). The intent of this survey was to extend some ground VLF-EM work started in 1975 by T. S. Smith of the exploration division of Canex Placer Limited for Kleena Kleene Gold Mines Ltd. Anomalous conductors were interpreted and at “least one significant conductor was defined.”

In 1978 a drill program with some bulldozer trenching and blasting was conducted under the direct supervision of Michael Hretchka as manager for Kleena Kleene Gold Mines Ltd. (Kleena Kleene) and Hunter Point. Diamond holes DDH No 1-78 and DDH No 2-78 were drilled vertically with AQ core to a total depth of 238 metres (Hretchka, 1978). Hole DDH No 1-78 returned 6.8 g/t Au over 1.5 metres and hole DDH No 2-78 returned 1.4 g/t Au over 0.6 metres. Details from the 1978 drill logs included, quartz diorites, altered shear zones, vuggy textures, re-cemented breccia zones, siliceous zones, sulphide zones, rusty limonitic zones and altered bleached zones.

A more recent adit was developed at a lower elevation 700 m northeast of the original Mountain Boss by Kleena Kleene – likely in the 1980's. The adit was decommissioned in the early 1990's and only an area of dump material is visible today.

Perk-Rocky:

Geological and geochemical exploration on the current Perk-Rocky property has been completed by the claim owners in 2016 and 2018. Work in 2016 comprised 33 stream and lake sediment samples, 29 soil samples, 15 talus samples and 60 selected rock samples all of which were analyzed for Au (FA/ICP-ES) and 35 elements by ICP. Work focused on the Perk, Perk 2, Perk 3, and Rocky claims and covered a total area of 330 ha. In the southeast corner of the Perk claim copper values are elevated in silts, soils and some rock samples where malachite staining was observed. Gold and arsenic values are relatively higher in silts draining at the southeast side relative to rock and soil values. On Perk3 (west side), Perk 3 and Rocky claims, arsenic values in silt samples are highly anomalous and copper values are moderately anomalous. In the same area, three float samples of pyritic quartz returned Au values of 1240 ppb, 1902 ppb and 5592 ppb together with up to 1078 ppm Cu. Creeks sampled on the Perk 2 property returned highly anomalous copper values across a wide swathe of the property (a distance of over 1200 metres). Soil samples returned moderately elevated copper values in the western portion of Perk 2, on either side of, and proximal to Chromium Creek.

In 2018, a geological and geochemical exploration program collected 56 soil, 6 stream sediment, and 36 rock samples analyzed for Au and for 44 elements by ICP as well as 22 rock samples studied by Terraspec. The work in 2018 focused on the Perk 4 and Perk 5 claims and covered 95 ha. Results included elevated and isolated spot gold in soil and clustering of moderately anomalous arsenic samples to the north (on Perk 4) are believed to be related to the higher level gold vein system which may include the Mountain Boss and Bluebell workings. Geochemically anomalous gold and arsenic in soils and in rock grabs on adjoining Perk claims is postulated to extend beyond the claim boundary towards the Mountain Boss adit (a distance of approximately 3 km) but further sampling would be required to confirm. Elevated copper values were returned from talus and subcrop in from the north western portion of the property, with values of up to 7453 ppm Cu in malachite stained, chalcopyrite bearing brecciated andesite. Silt sampling along Chromium Creek on Perk 5 returned anomalous Au and Cu. The Terraspec study confirmed a strong advance argillic alteration assemblage centred on the Briton showing. Hematite-specularite grab rock samples from old pits and workings returned values of iron up to 49.33% Fe, 46.91% Fe and 28.51% Fe with corresponding vanadium values of 4774 ppm V, 6135 ppm V and 1475 ppm V respectively.

In 2019, the following exploration field work was completed by Ethos between June 27 and August 10:

- structural and conventional geological mapping;
- 90 rock samples were collected during mapping for geochemical analysis;
- 87 field rock samples were scanned for alteration minerals by a portable TerraSpec® Halo unit;
- collection of 39 stream sediment samples;
- collection of 500 talus samples along contour and ridge traverses;
- completion in early August of an airborne VTEM - magnetic survey over the entire property (643 line-km without line segment overlaps).

Mapping in 2019 showed the volcanic and volcaniclastic rocks to be extensively affected by weak to moderate biotite hornfels alteration throughout the claim block, an effect interpreted to have been caused mainly by the large nearby late Cretaceous to Tertiary Klinaklini pluton and associated satellitic plutons. The mapping outlined large areas of propylitic assemblage alteration, including epidote-chlorite-calcite and epidote-magnetite in intermediate volcaniclastic host rock, in a pattern that is interpreted to be peripheral to a hydrothermal centre. Of the approximately 50 copper occurrences recorded from 2019 mapping, well over half were directly associated with the propylitic alteration, while about 20 percent were minor occurrences with intensely silicified pyrite-sericite altered schist zones along the thrust faults, and still others occur as isolated and sparse 2 to 5 mm quartz veinlets and random fractures.

The most direct evidence of porphyry-style copper mineralization was found at the Rya showing, which is surrounded by propylitic alteration. The mineralization of weak chalcopyrite with minor pyrite in a small hydrothermal potassic zone, which has elevated copper and gold geochemistry, was within a weak quartz stockwork and associated pervasive fine-grained biotite alteration. Some of the dark quartz veins were interpreted as sugary, straight, A-type quartz veinlets, but their dark colour may indicate they are early “green mica” or “EB” veins. About 300 metres northeast across South Ridge, a nearby hydrothermal breccia body was interpreted to be a late post-mineral de-pressuring feature.

The geological features at Rya and Briton were interpreted to be high-level components of a buried porphyry copper system, driven by previously unrecognized younger, robust causative intrusions which post dates a much larger granodiorite porphyry to the north. This larger granodiorite porphyry stock and the causative intrusive pluton together would have the capacity to develop the extensive and widespread biotite hornfels as observed in the Mosley Formation tuff.

The 2019 airborne vertical derivative and horizontal gradient data indicated a discrete circular magnetic low response similar to, but larger than that at Rya. It is located on the west flank of the Northwest Ridge and possesses similar elevated copper geochemistry and similar potassic alteration with A-type quartz veining. This locality lies at the northwest end of a conspicuous northwest-trending fault indicated by the preliminary new airborne horizontal gradient data. Still within the limonitic colour anomaly, the geology in this region and to the west, is currently unknown and deserves evaluation by mapping available outcrop.

The steep, western side of the property (Rocky West), where the colour anomaly widens abruptly to 3 km north-south, had very limited mapping and sampling. Several recently identified areas were identified to require further work, including: an area of ridge talus sampling and prospecting with a significant 1 km linear zone (11 samples) with copper values varying from 70 to 524 ppm Cu and gold varying from trace to 0.117 ppm Au; and a mapped area with A-type veins, with associated zones of chalcopyrite-bornite and quartz-magnetite veins located north of an aeromagnetic high and west of Perkins Peak. Collectively the various targets make this underexplored western side a high priority. A selected, isolated rock sample with chalcopyrite returned 9,210 ppm (0.92%) Cu with 12.6 g/t Ag and 5.6 g/t Au and is located west of Perkins Peak (Rocky showing). This area requires further investigation.

VTEM data indicated a strong conductor to the east of Perkins Peak which trends northwest from Chromium Creek for 4 km in an unmapped area. The conductor might be related to shearing or lithology. Analysis of Geotech EM anomalies (conductors) was completed by APEX mainly using detailed analysis of dB/dT profiles.

Geotech Ltd. carried out airborne inductively induced polarization (AIIP^{TM}) mapping of the VTEM data from the Perk-Rocky. The tau-scaled chargeability (TSC) was found to be the best AIIP product to map the alteration zones for this project. The high TSC zones were selected as Areas of Interest (AOI) for the exploration of Cu-Au mineralization in the Perk-Rocky property. Five (5) AOIs, PR-1 to PR-2 (northeast of Perkins Peak) and PR-4 to PR-6 (head of Chromium Creek and Rocky West area), were identified.

6 Regional Geological Setting

6.1 Regional Geology

Triassic volcanic and associated volcaniclastic rocks of this region consist of the Mt. Moore formation that are overlain by mudstone, siltstone and carbonate of the Mosley formation. The Triassic rocks in turn are overlain by Upper Jurassic – Lower Cretaceous volcanic and volcaniclastic rocks of the Ottarasko formation and sedimentary rocks of the Lower Cretaceous Cloud Drifter formation and sedimentary and volcanic units of the Taylor Creek Group (van der Heyden et al., 1994; Mustard and van der Heyden, 1997a; 1997b). In the Perk-Rocky claim area, only the Upper Triassic Mosley and Lower Cretaceous Cloud Drifter formations are present (Figure 4).

East of the project, the Mosley Formation is mainly red and grey siliclastic and tuffaceous sandstone and siltstone with minor interbedded limestone. Within the project area, the Mosley formation is dominated by volcaniclastic rocks with rare interbeds of mudstone and siltstone. The volcaniclastic rocks are characterized by fine-grained crystal ash tuffs, coarser-grained crystal-lithic tuffs and volcanic breccia. Minor sedimentary siliciclastic rocks were observed within the Mosley on the property. Locally purple and green very fine-grained volcanogenic mudstones are interbedded with the volcaniclastic rocks. Very rare, small (1-2 m thick) carbonate beds are found locally but Mustard and van der Heyden (1997a; 1997b) report mappable carbonate units up to 150 m thick.

Outcrops of the Cloud Drifter Formation occur in the northernmost portion of the project area and are found in the footwall of a thrust that places the Mosley formation over top. The Cloud Drifter formation is characterized by mudstone, siltstone and sandstone mainly derived from a volcanic source. The Ottarasko Formation is exposed in a gradational contact below the Cloud Drifter Formation in the core of a northeast-trending anticline located approximately 2 km north of the project boundary. Mustard and van der Heyden (1997b) describe the unit as nonmarine intermediate volcaniclastics with minor shale and siltstone.

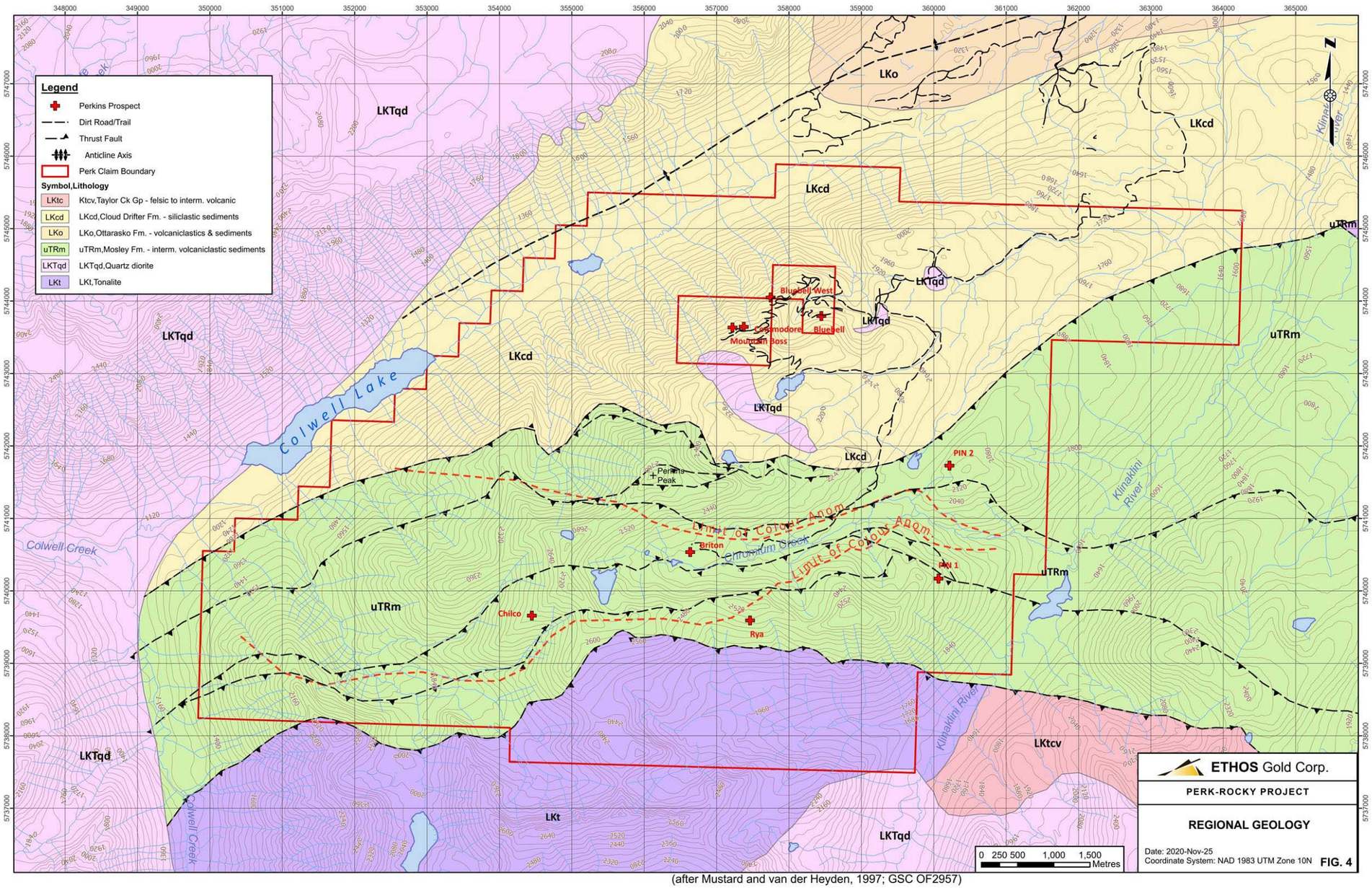
The Cretaceous Taylor Creek Group is exposed immediately outside the southeast corner of the claims where it is thrust over the Mosley Formation. Although the group is mainly comprised of siliclastic units, in this particular area the rocks are described by Mustard and van der Heyden (1997b) as felsic to intermediate flows and breccias.

Several intrusive suites are found on the property that range in age from mid-Cretaceous to Late Cretaceous or Early Tertiary. Tonalite of mid-Cretaceous age forms an interpreted thrust sheet that overlies the Triassic rocks of the Mosley formation in the southern portion of the project area. The tonalite shows a variety of textures from strongly deformed to massive and crystalline. Granodiorite, quartz-diorite and tonalite of the Upper Cretaceous-Early Tertiary Klinaklini suite outcrop to the south and west as well as a small body in the northern half of the project area.

Various compositions of dykes are found throughout the area. These include micro-diorite, quartz feldspar porphyry, acicular hornblende porphyry, diabase and feldspar porphyry. Ages of these dykes are unknown at this time.

The Perk-Rocky property is found at the northernmost extent of the Waddington thrust belt, a mid- to early Late Cretaceous aged north to northeast directed thrust system that places high-grade rocks over lower grade rocks of Triassic to Early Cretaceous age. Large intrusive suites are caught up in the deformation and are locally highly strained.

Late Cretaceous through to Tertiary large-scale dextral transcurrent faulting affected the entire region with the locus of deformation occurring on the Yalakom and Tchaikazan fault systems. Transfer structures between the two are common. Localized rapid and deep exhumation occurred along the Yalakom and other faults, exposing high-grade metamorphic rocks in Eocene-aged core-complexes. Both orogen-parallel and orogen-perpendicular exhumation and extension occurred during this time.



(after Mustard and van der Heyden, 1997; GSC OF2957)

Figure 4. Regional geology – Perk-Rocky area.

7 Property Geology and Mineralization

7.1 Lithologies

Although the mapping of the large claim block is still incomplete, sufficient traverses along ridge tops, across slopes, and along Chromium Creek provide sufficient data for a meaningful context upon which geochemical and geophysical survey results may be interpreted. Comments and observations specific to 2020 mapping are in Section 7.4.

The outcrop geology map is shown on Figure 5 (large format after text) and the mapped lithologies are summarized in Table 2.

Most of the Chromium Creek valley is predominantly underlain by massive dark grey to green-grey intermediate volcaniclastic deposits, which were mapped as undifferentiated Mosley Formation. They consist of repetitive variations of dominantly ash, crystal, lapilli (and lithic) tuff, and rarely block tuff. The relative proportion of clast size is variable, but dominantly in the range of ash and crystal size, from less than 1 to about 4 mms. In a dark ashy matrix, the crystal compositions of tuff are mainly plagioclase, with lesser black amphibole, and rare quartz.

Indications of bedding are widespread, as variations of clast size and composition, or as subtle foliation, and they indicate consistent moderate to steep southerly dips, widely reflected by consistent south-dipping joint development and consequent narrow easterly trending ridges with cliffs and steep slopes.

Interbedded with the monotonous dark green-grey volcaniclastic deposits are conspicuous stratigraphic intervals of maroon, to reddish-brown volcaniclastic beds, several metres to several tens of metres thick. These are made up of dominantly lapilli to cobble-sized tuff, containing sub-rounded clasts, mixed with crystal-ash and dull reddish muddy siltstone beds, that indicate epiclastic deposition. In places, the reddish muddy siltstone contains abundant fine-grained specular hematite. The clasts are volcanic, of intermediate to dacite composition, and with some effort this sub-unit could be easily mapped by its highly visible colouration. One thin limestone bed was mapped on steep exposures 700 m south of the Briton prospect.

The Cloud Drifter Formation underlies the north part of the claim block and consists of arkosic and quartz sandstone, siltstone and minor dark grey to black shale, with minor discontinuous conglomerate lenses. Along the steep north-facing slope of the Colwell Lake – Miner Lake valley, in the vicinity of the Commodore and Bluebell prospects, Bouma sequence deposition is exposed along road cuts and indicates deep water conditions, possibly as turbidites. Bedding generally dips gently to moderately to the

southwest. Sediments presumed to be Cloud Drifter appear at the east end of the ridge immediately north of Chromium Creek and may underlay much of the ridge trending north from the area of the PIN2 showing.

Whereas, the larger intrusions are restricted to discrete areas in the north and south areas of the claim block, as shown in Figure 5, younger dykes are scattered throughout the mapped area.

The oldest intrusion is an equigranular medium-grained tonalite, the mapping of which shows it to be restricted to the south part of the claim block where it is separated from the other lithologies by thrust faulting. This intrusion is weakly magnetic, although in places near contacts, the black amphiboles are shreddy (partly biotite altered) and not magmatically pristine.

Quartz diorite and related porphyritic equivalents occur only north of Perkins Peak, where mapped as two small stocks or sills and as dykes intruding sedimentary rocks of the Cloud Drifter Formation. Along the steep north-facing slope in the Mtn. Boss-Commodore area, quartz diorite sills “climb” up Cloud Drifter Formation stratigraphy along strike. These intrusions commonly have a characteristic hiatal porphyritic feldspar texture and are correlated by Mustard and van der Heyden (1997b) as equivalent in age to the younger nearby Klinaklini pluton to the northwest.

At three localities along ridges southwest of Perkins Peak, small outcrops of thin 2 to 5 metre dykes of cream-coloured quartz feldspar porphyry were mapped. These may represent an intrusive event possibly related to the Klinaklini pluton and be an age equivalent of the granodiorite porphyry.

Several small outcrops of diorite were originally mapped in the general vicinity of the Briton prospect. This intrusion was originally called the “Briton Diorite” (now just called “diorite”), and is made up of 7 to 15%, 2 to 4 mm black amphibole in a dirty white very fine-grained feldspar-rich matrix. The amphibole crystals in the diorite exposed west of the Briton showing are “shreddy” from replacement by fine biotite, indicating that this intrusion may in some way be associated with hydrothermal alteration. Several similar intrusions were recently mapped along the north side of the Chromium Creek valley.

Abundant dykes and sills of grey to greenish-grey, fine-grained microdiorite have been observed throughout the Mosley Formation, and generally have the appearance of late intrusions. As east-trending and north-trending dykes and sills, they are most abundant in the south half of the claim block, suggesting a possible magmatic source at depth there. The presence of altered microdiorite dykes in the region near the Rya showing, suggests presence of more than one generation of microdiorite intrusion. Many of the dykes/sills are too narrow to show on the map and are less than 0.5 metre wide, but they have been mapped up to more than 8 metres thick. They are porphyritic, with 5 to 10% black amphibole crystals 2 to 8 mm long, and some biotite. In places, minor plagioclase phenocrysts were also observed in a lighter coloured, aphyric feldspar-rich matrix. Poorly exposed sills of microdiorite and diorite are very common in the recently mapped western area and form a large percentage of the volcanic succession.

Table 2. Summary of Mapped Lithologies - Perk-Rocky Project.

Lithology	Occurrence	Distinguishing characteristics
Mafic (diabase) dykes	Thin dykes and sills.	Dark weathering spheroidal jointing, mostly aphanitic texture. Rare, thin pyroxenite and amphibolite dykes.
Microdiorite	Common dykes and sills <1m to 8m	Dark colour, fine-grained texture, mostly equigranular.
Feldspar porphyry	Plugs and dykes along Chromium Creek valley	Dark aphanitic matrix; weakly altered to fresh. Common sheared, rusty contacts.
Hydrothermal breccia	Pipe(?) or irregular body up to 60 m by 50 m	Paler green-grey than surrounding wall rock; chloritic.
Diorite	Small stocks and sills mainly located along Chromium Creek valley	Blocky joints, difficult to distinguish from crystal tuff, little to no quartz.
Feldspar ± quartz ± hornblende porphyry	Narrow dykes	Cream coloured, conspicuous quartz eyes or hornblende needles when present.
Quartz diorite	Northwest elongate stocks, sills and dykes, in north-central part of property	Semi-crowded; plag > hbl > qtz phyric, hiatal porphyritic texture; locally crowded texture with ~45% total feldspar phenocrysts.
Tonalite	Large pluton, only in south part of property	Mafic-rich; medium-grained equigranular.
Cloud Drifter Formation	Country rocks in north part of property	Fine-grained siliclastics; often massive but with turbidite beds. Minor conglomerate.
Mosley Formation	Country rocks in west, central and south part of property; contains most of limonite colour anomaly	Massive, dark fine-grained feldspar or amphibole crystals in very fine dark ash groundmass; interbedded maroon epiclastic tuff has coarser clastic content mixed with muddy siltstone/ash tuff; Rare thin limestone. Often hornfelsed.

Rare, through-going dark mafic dykes occur mostly in the south part of the claim. These are narrow, generally a metre or less in width, with a holocrystalline matrix and 1 to 2 mm crystals of amphibole, biotite and possibly minor pyroxene.

7.2 Structural Geology

The project area was strongly affected by north- northeast directed compression resulting in an extensive imbricate array of moderately south- dipping thrust faults. These are believed to have formed at lower greenschist grade conditions between about 90 Ma and 70 Ma. Field evidence indicates minor reactivation along some of the thrust faults. The south-southwest dipping stretching lineations are remarkably consistent (within about 10 degrees) suggesting a homogenous strain that affected the entire rock mass. Point structural data is shown in Figure 6.

Strongly foliated and schistose quartz-sericite-pyrite alteration is widespread along the many thrust fault planes and has weathered to a limonite colour anomaly visible along the south side of the valley. Silicified zones with abundant pyrite permeate the wall rock away from the fault planes, up to tens of metres in places, indicating significant hydrothermal fluid transport along the thrust fault array. The presence of several back thrust faults with steep dips, has important implications for fluid pathways because steep dips are more prone to dilation than shallow dips. One such back thrust fault was mapped south of the Rya showing.

Much younger east-west dextral faulting with steep dips overprints the thrust faults, as do the late, steep north-trending extensional normal faults. These steep-dipping intersections with thrust fault planes may be important channels for fluid path flow and even for intrusions at greater depth. At least a half dozen north-northwest trending, and north-trending subvertical normal faults were identified in the mapping along South Ridge.

7.3 Mineralization and Alteration

Sedimentary and volcaniclastic rocks are nearly everywhere altered to a moderate biotite hornfels, which resists erosion, in the cliff-forming south-dipping beds of the Chromium Creek valley. Impressive hydrothermal alteration is evident from extensive limonite (as a proxy for pyrite) colouration (outlined in Figures 5 and 6) and the large areas of propylitic assemblage mapped at the Perk-Rocky project. Figure 6 shows the mapped alteration and structure.

The most visible alteration at Perk-Rocky is widespread limonite which extends over 5 km along most of Chromium Creek, extends 3 km west into the Rocky West area and covers at least 15 square km. As a product of weathered pyrite, this colour anomaly widens abruptly to the west, while to the east; it narrows along axis before disappearing into vegetation cover. The pyrite is mostly found in the abundant sericite-

quartz-pyrite schist bands, which trace numerous thrust faults, and which are most visibly exposed along the steep south side of the valley as the rusty-coloured north flank of the South Ridge.

Disseminated pyrite content varies, and volumetrically makes up more than 10% of the sericite schist, often most abundant in the hanging wall of the schist bands. The sericite schist bands are very numerous and tracing individual zones along strike as east-trending zones of sericite-quartz-pyrite alteration is nearly arbitrary.

Dissolution of abundant pyrite has resulted in deposition of ferricrete ledges over a distance of nearly 2,500 metres along the valley on both sides of Chromium Creek and in major gulleys in the Rocky West area. The ferricrete consists of surficial deposits up to several metres thick with dominantly dark volcaniclastic cobbles and sandy material cemented by dark brown limonite.

Widespread patchy and veined epidote accompanied by albite, chlorite, quartz, and minor calcite, as a propylitic assemblage, was mapped along the main ridges marginal to Chromium Creek over an extensive region shown on Figure 6. In places this assemblage is accompanied by magnetite veining considered to be hydrothermal, which produces an airborne magnetic response. One 2019 sample (X517903) located at the head of Chromium Creek on the south margin of the colour anomaly is a skarn assemblage of epidote-garnet with minor chalcopyrite-pyrite.

At the Rya showing on the upper south flank of South Ridge, a small zone of biotite potassic alteration was mapped by recognition of minor K-feldspar and possible fine- grained hydrothermal biotite associated with thin sugary quartz veinlets, some of which were interpreted as A-type quartz veins. The area of alteration is small, measuring about 450 metres across. However, with abundant early biotite from extensive hornfels development, confident recognition of hydrothermal biotite poses a challenge. Another small potassic altered zones was mapped on the west flank of central Northwest Ridge.

Advanced argillic alteration is present at the Briton prospect as pervasive soft clay minerals. On the dump of the collapsed Briton adit, as well as in the surrounding exploration trenches, previously identified pyrophyllite was confirmed by a TerraSpec® Halo unit, together with rectorite, nacrite, topaz and kaolinite. Abundant pale blue dumortierite was also visually identified in many of the collapsed trenches. The clay altered zone is at least 300 metres along strike and at least 200 metres from south to north. In the exploration cuts, all of which are collapsed, a repetitive pattern of massive, cream-coloured and subordinate dark bands characterizes the pervasive argillic alteration. These banded argillic zones alternate with the black fine-grained massive specular hematite, which was the focus of exploration at Briton in the early 1900s.

Intense, massive silica replacement occurs as scattered lens-shaped zones of white quartz and limonite (jarosite), usually in close association with sericite-quartz-pyrite schist which acted as hydrothermal fluid conduits. The protolith textures have been obliterated by quartz replacement which is weakly vuggy. One

of the larger and easily accessible silica replacements is located in the central part of the Chromium Creek valley, immediately south of the Briton access road, at about 358,520 E/ 5740,840 N where it is about 2 metres wide. The nearby ferricrete deposits in this region may indicate high pyrite content associated with this silica lens, and from additional hidden silica-sulphide replacements nearby. Other substantial large silica replacements (several metres wide) were mapped east and west of Northwest Ridge, and additional small (sub-metre) silica replacements associated with sericite schist, were reported in mapping along other ridge tops.

Two possible zones of sparse quartz veining were mapped at Perk-Rocky: one is in the vicinity of the Rya copper showing; and the other is mostly in float on the west flank of Northwest Ridge. The quartz veining is sparse in these localities and consists of mm-wide, straight sugary quartz veinlets, interpreted in places as A-type quartz veins. Some have associated minor pyrite, and occasional chalcopyrite. Their presence requires diligent cracking of many talus blocks, and then following positive indications up slope to source.

A small hydrothermal breccia about 60 metres wide was mapped some 300 metres to the northeast of the Rya copper occurrence, where it occurs as part of the cliff on the north side of South Ridge. Volcaniclastic clasts are cemented by calcite, minor quartz, and minor pyrite and clay-sericite. There is a halo of chlorite-clay around the breccia body and zones of weak silicification. Some clasts are epidote veined, indicating a late hydrothermal genesis for the breccia. The access to this breccia body is challenging, given its rugged location.

A small zone of massive soft talc was mapped in the vicinity of PIN 2 about 450 metres east of the small alpine lake in the nearby side valley. Nearby outcrops east of the talc indicate a lithological context of maroon silty and muddy ash tuff, with evidence of syn-sedimentary deformation. The talc is likely indicative of alteration along an adjacent fault zone, given the evidence of shearing in nearby outcrops.

The Briton iron deposit is currently the most substantial known mineralization on the claim block and was originally explored between approximately 1915 and 1921. A 180 m adit (now caved) and about a dozen exploration cuts tested this largely talus covered region and identified a small, sub-economic resource of iron ore. The 1917 Report of the Minister of Mines described massive fine-grained bands of specular hematite up to two metres thick, with reported iron grades between 48.9% and 57.6% Fe. Continuity of these bands is unknown, but they are spatially associated with advanced argillic altered protolith as described above. Whereas most of the argillic alteration is devoid of sulphide, a number of limonitic blocks from the adit dump contain 15 to 25% disseminated pyrite with massive pyrite bands several centimetres wide that contain minor chalcopyrite. These may indicate possible hidden hydrothermal fluid feeders for the argillic alteration. The lithological context of the specular hematite is maroon silty and muddy ash tuff stratigraphy with some of the muddy beds containing significant amounts of very fine-grained specular hematite: in places, these muddy tuffaceous beds with specular hematite show soft sediment deformation.

The Rya copper occurrence is the most direct evidence to date, of porphyry copper style mineralization on the Perk-Rocky project. In a zone trending north-northeast, in two outcrops 60 metres apart, weak amounts of chalcopyrite with minor pyrite were discovered in tuff, and in weakly altered microdiorite dykes, both of which are altered by pervasive very fine-grained biotite. The chalcopyrite is found in a weakly developed quartz stockwork of thin veinlets, and adjacent fractures. Finely disseminated chalcopyrite within this microdiorite indicates that this magmatic phase may be inter-mineral, in contrast to other younger microdiorite dykes mapped throughout the property. Some of the quartz veinlets are sugary, and interpreted to be A-type quartz veins

The PIN 1 and PIN 2 copper occurrences were prospected during mapping in 2019 and the PIN 2 showing in more detail in 2020. At PIN 1 very minor chalcopyrite occurs with pyrite in sericite schist zones, but visually more impressive is the occurrence of volcaniclastic talus blocks from the east end of South Ridge where green Cu-oxide accompanies epidote veining, as malachite, chrysocolla, minor azurite and turquoise. In places, minor chalcopyrite appears to be the source of the copper oxide, but the pyrite is minor in this type of copper occurrence. At PIN 2 minor Cu-oxide was observed on rare float boulders. The assessment reports from the early 1970s describe the copper interest at PIN 2 based upon geochemical soil samples, weak dissemination in andesite and scattered float (Murton, 1973). Additional comments on PIN 2 are in Section 7.4.

In addition to the copper occurrences described above, geological mapping in 2019 and 2020 located about 50 new occurrences in outcrop and subcrop. These are all small, and very minor amounts of Cu-sulphide associated with thin mm- to cm-scale scattered milky quartz veins contain a trace amount of chalcopyrite, and rare bornite. The zones of scattered quartz veins are small, usually sub-metre, and rarely several metres in width, without significant amounts of pyrite. Trace to minor amounts of chalcopyrite that accompany the abundant pyrite were also found in silicified zones adjacent to the sericite-quartz-pyrite schist in several localities.

7.4 Comments on Geology, Alteration and Mineralization Specific to 2020 Mapping

A total of 242 mapping stations were recorded during the two week program and approximately 1100 ha (11 km^2) covered by mapping in the east (PIN 2 - Chromium Ck) and west (Rocky West) project areas. Additional mapping detail was also added in the central areas which were in part covered in 2019. A total of 84 selected rock samples were collected and submitted for Au and multielement ICP analysis. Results from the rock sampling are discussed in Section 8.3.

PIN 2 - Chromium Ck

Four days were spent investigating the eastern extents of Chromium Creek and mapping/prospecting areas east and south-east of the PIN 2 mineral occurrence. The PIN 2 occurrence is loosely defined originally by a 500 m x 500 m area with angular float boulders of epidote-quartz-magnetite alteration and minor chalcopyrite-malachite mineralization commonly associated with opaque milky quartz veinlets.

The south-southeast facing slope approximately 500 m south of PIN 2 is dominantly coarse talus with a few small outcrops and subcrops forming narrow east-northeast ridgetops. Lithologies appear to define a coherent package of bedded, medium- to coarse-grained, feldspar phyric, andesite tuffs. Rare, matrix supported angular fragments 2 cm to 5 cm were observed in some beds. There are a few scattered occurrences of a porphyritic looking hornblende andesite but it's relationship to the tuffs is unclear as contacts are obscured by talus. A few 1 - 4 m thick blocky, unfoliated, diorite dykes or sills intrude the package post deformation.

The andesites are weakly foliated parallel to the regional thrust orientation striking NE to ENE and gently to moderately dipping SE to SSE. General alteration of the andesites is weak chlorite ± hematite ± calcite (trace pyrite) and the occurrence of occasional bull quartz veinlets to 2 cm.

Occasionally there are meters wide, quartz-sericite-pyrite (QSP) altered pods poking through the talus or forming discrete rusty drapes on the slope. These QSP-altered zones typically have 1 - 3% pyrite and strong limonitic weathering along abundant fractures. QSP zones generally appear conformable to the regional foliation fabric but occasional narrow zones appear discordant; however, QSP contacts are mostly obscured in the talus so this cannot be confirmed.

A zone of weak, PIN 2 style copper mineralization in angular talus and subcrop or very locally derived boulders is located at 359994E/5741213N. Alteration of the andesitic tuffs consists of variable weak to moderate chlorite - epidote ± silica ± magnetite. Rare to scattered opaque bull quartz stockworks and variably oriented opaque veinlets up to 5 cm wide carry rare specks of chalcopyrite and malachite staining along selvages (grab sample A0830059). The zone is obscured by talus but appears to strike NNW up the slope for tens of meters.

North of the PIN 2 area on the west-facing slope of a NNE-SSW trending ridge coarse angular talus drapes the entire ridge with only a narrow outcrops of microdiorite. Talus is predominantly angular to weakly rounded fresh andesite tuffs with rare angular boulders of Cloud Drifter sediments. Approximately 500 m NNE of PIN2 increasing numbers of talus boulders exhibit patchy moderate to strong epidote-silica ± magnetite alteration and occasional epidote veinlets up to 3cm with magnetite and trace malachite.

Southeast down the Chromium Creek drainage from 359700E/5741300N, andesite tuffs host narrow discrete QSP pods and further down the creek the QSP zones become more prevalent and foliation increases with outcrops dominated by 5 - 10 m thick exposures of sheared, fissile, limonite weathered QSP.

Along Chromium Creek east of 365300E, outcrop is restricted to both creek banks which are intensely altered to strongly foliated QSP with rare microdiorite dykes or sills. Similar QSP-altered creek cuts are visible from the air another 400 m east at approximately 361100E / 5740800N.

The QSP schist appears to define a NNW-thrusted shear zone many tens of meters wide at surface and traceable for over a kilometer of ENE-WSW strike length. Foliations are striking ENE and dipping 50-60 degrees to the SSE conformably with regional thrust formation. Further east the shear disappears under tree line and likely extends for hundreds of meters further. QSP shear zones were mapped a few days later on the far West side of the property that have a very similar strike and almost line up with each other; these two shears zones appear to be components of the same thrust structure underlying the property over an impressive strike length of 8 km.

Rocky West

On the west side of the property (Rocky West), four traverses were completed down two southwesterly-trending ridge lines and into some of the gullies.

The northerly ridge and northern slopes appear to be a thick package of fine-grained volcaniclastics or sediments which are moderately foliated along an E to ENE strikes. The foliated package dips to the SSE and is consistent with the attitude of property wide thrust structures. The volcaniclastics exhibit patchy to pervasive propylitic alteration comprised of epidote - silica ± chlorite ± pyrite and veinlets to coarse aggregates or boudins of epidote and opaque bull quartz.

The altered and foliated package has then been intruded along shear planes by numerous sills of quartz-feldspar ± hornblende porphyry and other fine grained intrusive lithologies. The sills are meters to tens of meters thick and have strike lengths of hundreds of meters where exposed in the northern facing slopes. The sills are fresh and unfoliated.

The intruded volcaniclastic rocks are moderately to strongly hornfelsed along the sill contacts and up to tens of meters from the contacts. The hornfelsed units stand out on the talus slope due to their strong limonite colors and resistance to erosion. Hornfelsed rocks are typically silicious; magnetic with (1-5% aphanitic magnetite) and carry 1-3% disseminated pyrite (locally up to 10%).

Late stage microdiorite dykes, 1 - 6 m thick, intrude all units discordantly or conformably and swarm locally. The existence of rare narrow QSP shears down section is suggested by occasional pale yellow, eroded, finer talus intervals down the ridge but nothing was found in outcrop.

A few of the initial stations along the ridge revealed isolated to locally common, mm to cm veinlets of clear quartz ± chlorite ± trace pyrite. Traces of pyrite ± chalcopyrite occur as mm aggregates in rare bull quartz stockworks and veinlets up to 3cm. Patchy malachite staining was observed locally along the selvages of these veins. Grab samples of the mineralization (samples A0830065-70) were submitted for assay. Mineralized veinlets are opaque, locally sheared to weakly boudinaged. The copper mineralization was observed in a few outcrops over an approximate 100 m length of the ridge but true width of the mineralization may be much thinner as it wasn't traceable down section to the north. Mineralized veinlets

strike at low angles to foliation. A few cm scale open folds and sheared offsets of veinlets and propylitic features suggests that some alteration and mineralization either predate deformation or developed syn-deformation.

A few post deformation bull quartz veins up to 10 cm wide occur randomly across the mapped slopes. The veins are opaque, weakly limonitic and generally have trace pyrite as local mm-cm aggregates. The veins typically cut foliation at low to high angles and dip subvertically. Samples of these veins were collected and submitted for analysis.

Further NW at lower ridge elevations and northeast across the slope the geology remains the same with sets of thick porphyritic sills intruding shear planes and hornfelsing the host volcanics. Epidote-silica alteration is present to a lesser degree than on top of the ridge and the quartz- chlorite-pyrite veining is completely absent. In drainage gullies along the north slope the snowmelt and rainwater tend to coalesce into channels through the ledge forming sills. Around these channels, several meters thick accumulations of bright red ferricrete have formed. The ferricrete does not indicate increased sulphides but rather increased leaching of hornfelsed rocks sitting above the sills.

The more southerly ridge is significantly better endowed in quartz veining, chalcopyrite, and malachite with the area of mineralization being informally called the Chilco showing and the ridge in general called Chilco Ridge.

Chilco Ridge is dominated by strongly sheared hornfelsed volcanic rocks cut by numerous microdiorite dykes. Outcrops on the northwestern side of the ridgeline are strongly sheared chlorite schist trending parallel to the ridge with a moderate-steep southeast dip. The chlorite schist is bounded by chloritic, hornfelsed mafic volcanics with a weaker foliation parallel to the main shear. Within the core of the shear zone, local lenses and layers of hematite + limonite + sulphide were noted.

Quartz veining within the main shear as well as in surrounding hornfels is locally very strong, with veins up to 40 cm wide noted. Veins commonly run parallel to the shear but also cross-cut the foliation as well as appear locally folded. Veins are commonly white quartz with coarse chlorite and blebby to disseminated sulphides (dominantly pyrite, but with local chalcopyrite, magnetite, arsenopyrite, possible bornite, and an unidentified silvery mineral) and local malachite. The most intense veining and associated copper (Chilco showing) occurs over a 300 x 150 m area with weaker veining over 1.3 km along the ridge crest.

Intermittent outcroppings of dykes or sills ranging from microdiorite to tonalite(?) occur along the ridge crest. A microdiorite dyke approximately 25 m wide trends parallel to the ridge crest and shear foliation. The dyke has very weak chlorite alteration of hornblende phenocrysts. No mineralization or significant alteration is noted within the dyke.

Near the intersection of a prominent QSP shear and the chlorite shear, a conspicuous 50 x 40 m zone of silica occurs. This zone appears to be intensely silicified volcanic(?), brecciated and flooded by intense white-pink quartz veining matrix.

One traverse was made south from Chilco Ridge into the drainage. The talus slope is angle of repose and outcrop is very rare, mostly confined to narrow ledges in the incised gully. There is a 200 x 200 m outcrop of foliated volcanics on the slope with patchy silica-epidote-chlorite-pyrite alteration. At the base of the outcrop a bull quartz vein widens to 1.5 m over a 5 m strike before pinching back to a narrow veinlet. The vein has traces of pyrite and minor chlorite-magnetite developed along selvages. No significant mineralization or veining was observed in the outcrops at the bottom of the gulley. Patchy epidote- quartz was seen locally and a few subvertical bull quartz veins up to 10 cm were sampled. Geology is similar to the north with foliated volcanics intruded by blocky feldspar phyric sills. Sills do not appear as abundant or as thick relative to the more northerly ridge.

Additional Mapped Areas

Several days were spent adding detail to central areas along Chromium Creek and within the cirque to the north of Chromium Creek which were mapped in 2019. Findings from this work are summarized as follows:

- A new body of diorite (Briton diorite in 2019) was located 1.5 km east-northeast of Briton. The body may connect with the area defined in 2019 but there is insufficient outcrop to confirm.
- Several small stocks and dykes(?) of dark, subvolcanic feldspar porphyry were mapped along the axis of Chromium Creek valley. The largest area of the unit forms a prominent grey-coloured plug approximately 300 m in diameter at the head of Chromium Creek. The unit is generally fresh except for rusty, sheared contacts.
- Cloud Drifter sediments were mapped at the east end of the ridge on the north side of Chromium Creek. They appear to be in fault contact (attitude unknown) with Mosley volcanics.
- The northwest contact of the quartz diorite body to the south of Mountain Boss was better located. The contact runs just below the ridgeline and suggest the lower contact of a sill-like body.

8 2020 Exploration

8.1 Introduction

Field work for Perk-Rock was conducted between September 8 and 21, 2020. The primary objective of the short geological mapping and rock sampling program was to extend 2019 mapping to the east and to the west and to evaluate these areas for Cu-Au porphyry potential. Additional geological mapping was also conducted in the central area of the property to provide additional mapping detail to the incomplete 2019 work.

The personnel involved in field exploration are summarized below in Table 3 and the field work completed is summarized in Table 4. The distribution of geological mapping and of rock sampling is shown in Figure 7. At the end of the field season, 308 mapping samples collected in 2019 and 2020 (146 samples) were slabbed at Vancouver Petrographics for future K-feldspar staining and Terraspec studies. A complete list of these samples with locations is in Appendix E.

Table 3. Summary of Perk-Rocky 2020 field personnel.

Personnel	Position	Field Work
Greg Duso	Sr. Geologist	Sept. 8 – Sept. 21
Lori Paslawski	Geologist	Sept. 8 – Sept. 21
Robert Cann	Project Manager	Sept. 8 – Sept. 21

Table 4. Summary of 2020 field work metrics.

Work	Units	Total
Rock sampling	Samples*	84
Samples slabbed	Samples	308
Geological mapping	Stations Area (ha)	242 1,100

*: Not including 4 QC samples.

All location information during field work was recorded in NAD83 Zone 10 UTM coordinates.

Analytical Methods

Ethos rock samples packed in security tagged rice sacks and taken in a company vehicle directly to ALS Kamloops at the end of the field program.

All rock samples were prepped and analyzed at ALS Laboratories in Kamloops and Vancouver using PREP-31A (crush to -2 mm and pulverize 250 g), Au-ICP21 (30 gm FA and ICP-AES), and ME-MS61 (48 element ICP).

Samples were submitted to ALS with a commercially sourced (Ore Research and Exploration) blanks (OREAS 21e), commercially sourced, low grade reference standards (OREAS 922). No problems were noted based on the small number of QAQC samples submitted. ALS Global conducts its own internal QA/QC program of blanks, standards and duplicates, and the results are provided with the Company sample certificates.

8.2 Geological Mapping

Worldview-2 (2017) and a 50 cm resolution provincial orthophoto image were processed from existing imagery and used as a georeferenced map base with GPS control (NAD83 Zone 10). Both images suffer from excess shadows, especially in steep cliff terrain, so that outcrop definition while mapping is challenging in places. A detailed 5 m DTM for the project area was purchased from Harris Geospatial and was used as a topographic base. Geological mapping was either manually captured in the field using a handheld GPS and field notebook, captured digitally using Datamine Discover Mobile installed on an Android tablet, or digitally using GPS Pro and FieldMove software on an iOS tablet. Digital data and field notes were compiled into ArcGIS Pro and Datamine MapInfo Discover

A total of 242 mapping stations were recorded during the two week program and approximately 1100 ha (11 km^2) covered by mapping in the east and west project areas. Additional mapping detail was also added in the central areas which were in part covered in 2019. The results of this work are described under Section 7.4 Comments on Geology, Alteration and Mineralization Specific to 2020 Mapping. All 2020 mapping station descriptions and all structure measurements are included in Appendix D.

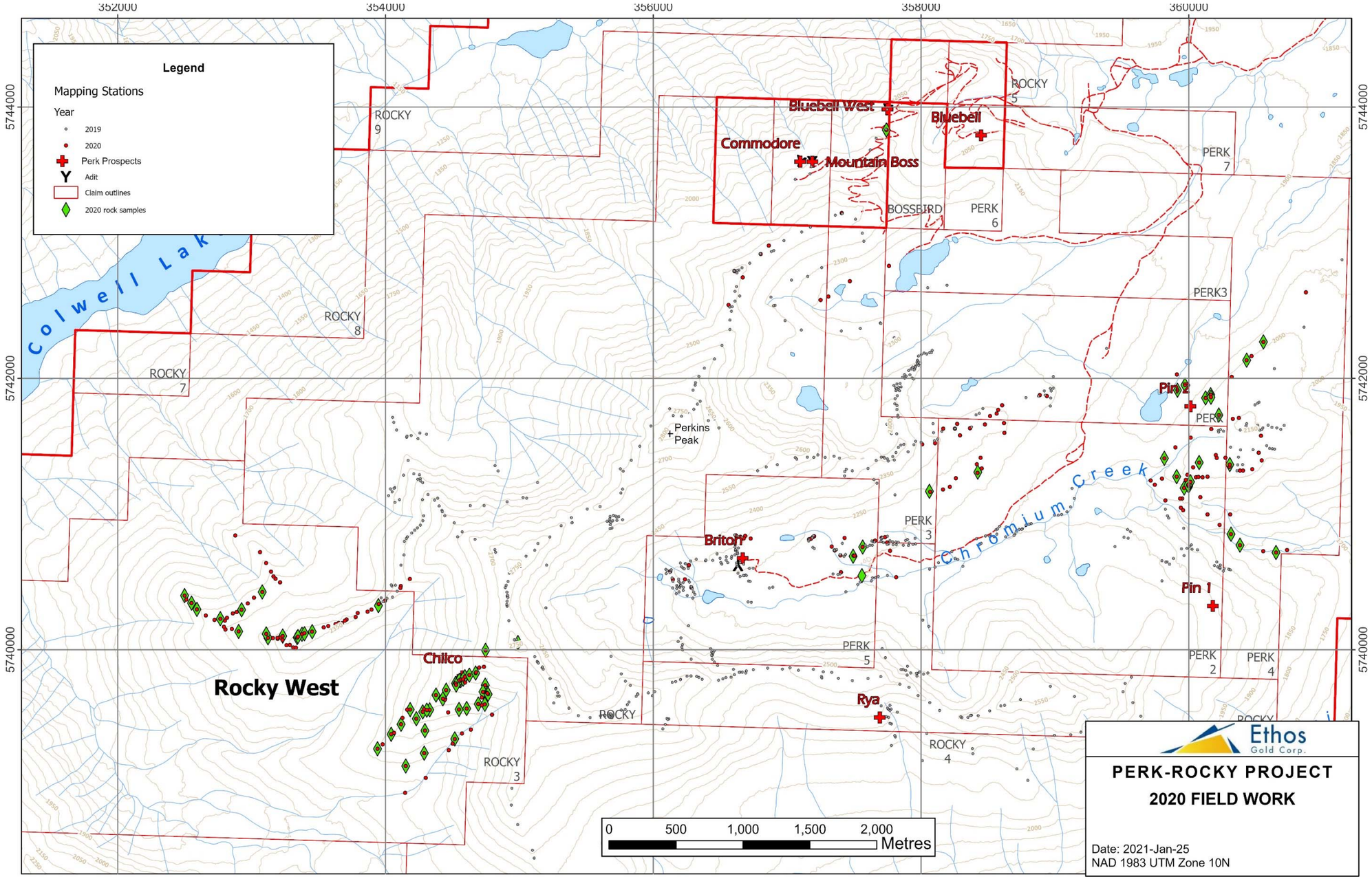


Figure 7. Perk 2020 mapping stations and rock sample distribution.

8.3 Surface Rock Sampling

General

The reported 84 rock samples were for the most part selected samples from outcrops or subcrop collected by geologists during property-scale mapping. A few samples near PIN 2 were from float. Except for the east area of the claims (PIN 2 area), most of the rock geochemical sampling was confined within the limonite colour anomaly.

Attention was drawn to the Rocky West area in 2019 by anomalous results from several consecutive talus samples collected along Chilco Ridge and the ridge immediately north of Chilco. The talus samples were anomalous in Cu ± Au.

Results

The rock sample data are summarized in Table 5 while complete sample descriptions are included as Appendix A and analytical certificates in Appendix B. Rock sample locations are shown in Figure 8 while copper and gold values are plotted in Figure 9 and Figure 10 (large format maps after text).

Chromium Ck East – PIN 2

Twenty-one selected rock samples were taken in this area while mapping and prospecting (Figure 8). Five of the samples were taken to characterize the strong quartz-sericite-pyrite (QSP) schist while the remaining samples were within volcanic rocks to test mineralization and alteration.

Samples taken from the QSP schists returned consistently low Cu (<80 ppm) and very low Au (1 to 3 ppb). All other elements show similar low, background values.

The 16 samples taken to the north and northeast of Chromium Creek were more variable and seven of the samples showed anomalous Cu results varying from 165 ppm to 2320 ppm and Au from 0.001 to 0.22 ppm (Table 5). One of three subcrop samples (A0830060 - 62) taken from the north end of the currently mapped area (near 360555E/5742270N) returned 1270 ppm Cu with 0.105 ppm Au and was taken from skarn-like, epidote-magnetite-chalcopyrite altered volcanics. Samples A0830007 – 9 (196 to 1305 ppm Cu) are angular float samples clustered above the original 1973 PIN 2 prospect (which was mostly talus) and these samples of quartz-epidote-malachite veined volcanic returned 196 to 1305 ppm Cu. A 2019 sample from the same area returned 1197 ppm Cu. A smaller showing, located 650 m south, returned 2 float or subcrop samples with 82 ppm and 2320 ppm Cu from white quartz-chalcopyrite-malachite veined volcanics. There has been no previous sampling from this area.

Table 5. Summary of most significant 2020 rock sample results.

SAMPLE	East	North	Zone	Au ppm	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
A0830003	359999	5741206	PIN2	0.001	3.75	8.0	0.02	0.14	2320	1.75	1.9	1.69	26
A0830007	360125	5741856	PIN2	0.017	0.31	22.4	0.35	0.21	195.5	0.77	3.8	12.35	36
A0830008	360163	5741880	PIN2	0.001	0.34	26.6	0.21	0.27	803	1.05	6.3	25.5	36
A0830009	360165	5741861	PIN2	0.220	1.23	21.4	0.11	0.18	1305	1.03	3.5	16.2	64
A0830011	354561	5739773	Chilco	0.027	0.38	7.0	0.16	0.68	448	0.76	11.5	4.06	101
A0830014	354551	5739774	Chilco	0.111	2.28	6.9	0.1	1.67	2400	1.31	7.1	2.71	108
A0830017	354580	5739783	Chilco	0.016	0.38	3.3	0.03	0.26	739	1.02	5.6	1.06	73
A0830019	354673	5739828	Chilco	0.026	0.21	5.1	0.05	0.37	436	1.94	6.3	4.18	95
A0830020	354673	5739828	Chilco	0.580	3.94	6.7	0.16	3.06	3410	3.76	7.0	2.05	95
A0830033	354747	5739996	Chilco	0.082	1.37	9.7	0.18	1.61	962	2.39	9.0	7.91	129
A0830060	360557	5742269	PIN2	0.105	1.97	14.5	0.07	0.26	1270	1.14	4.6	11.2	35
A0830061	360557	5742269	PIN2	0.007	0.05	29.4	0.17	0.14	164.5	1.49	3.5	10.15	69
A0830062	360432	5742134	PIN2	0.055	0.38	17.7	0.19	0.18	284	1.07	4.3	23.8	41
A0830065	353340	5740090	RockyW	0.190	3.52	2.1	0.02	0.42	1135	1.82	9.8	0.56	173
A0830066	353340	5740090	RockyW	0.306	3.27	3.1	0.03	0.90	1525	1.48	6.6	1.97	158
A0830070	353232	5740101	RockyW	0.032	0.26	22.4	0.13	0.40	162.5	3.32	25.4	3.78	157
A0830080	352925	5740295	RockyW	0.014	0.19	3.4	0.03	0.13	154	2.86	4.5	0.67	47
B498501	358062	5741168	Cr Ck	0.004	1.11	95.5	0.06	0.23	836	1.10	4.8	3.67	103

Rocky West - Chilco

Fifty-six selected rock samples were taken during mapping on the two southwest-trending ridges forming Rocky West (Figure 8). Of these samples, 10 can be considered anomalous in Cu ± Au (Table 5).

Six of the ten anomalous samples are clustered on the more southerly ridge and the mineralized area has been named the Chilco prospect (Figure 8 and Figure 9). The better Cu values range from 436 ppm to 3410 ppm with Au from 0.026 ppm to 0.58 ppm and occur over an area approximately 150 x 150 m. Higher Au values generally correlate with higher Cu. As discussed in Section 7.4, copper mineralization at Chilco is associated with planar and folded quartz-pyrite-chalcopyrite-magnetite veins located marginal to chlorite schists (likely marking or proximal to a thrust fault) and a sub-parallel microdiorite sill or dyke.

On the more northerly ridge (referred to as Rocky West in Table 5), a cluster of anomalous rock samples, with Cu from 154 ppm to 1525 ppm, is clustered on the nose of the ridge over a distance of approximately 100 m. Elevated Cu values are also associated with elevated Au values up to 0.306 ppm. The two samples with Cu values of 1135 ppm and 1525 ppm are of strongly chloritized, fine-grained volcanic cut by white quartz-pyrite-chalcopyrite veinlets with weak malachite staining on fractures. Sample A0830062 from this area also has weakly anomalous Sb (23.8 ppm). Numerous microdiorite and porphyritic sills and dykes cut this area, however, most are not proximal to copper mineralization.

9 Discussion of Results

The conspicuous, extensive limonite colour anomaly at Perk-Rocky is linear and extends about 8 km from east to west and abruptly widens westward to nearly 3 km north-south. The linearity of the colour anomaly indicates a strong influence by structurally controlled fluid pathways along the imbricate thrust fault system. The 2019 and 2020 mapping demonstrated that quartz-sericite-pyrite (QSP) schist occupies the north margin of an array of numerous poorly defined thrust faults. In places the quartz-sericite-pyrite schist contains massive silica-pyrite replacements up to several metres across. Some of the silica replacement is vuggy and accompanied by weathered pyrite. The hydrothermal alteration post dates the thrust faults which acted as channel ways for the fluids. Airborne magnetic survey results showed that the upper region of Chromium Creek valley is underlain by a distinct magnetic low response and may result from magnetite destruction.

The short 2020 helicopter-supported mapping and sampling program focused on the previously unmapped Rocky West area and on the eastern end of the Chromium Creek QSP shear and the PIN 2 prospect. The eastern end of Chromium Creek exposes alteration and mineralization at the lowest elevations and potentially deepest parts of the mineralized system.

Mapping and sampling at the eastern end of Chromium Creek added detail to the continuation of the Chromium Creek QSP shear and to the PIN 2 mineralization. The intense QSP shear was mapped along and east-southeastward down Chromium Creek to an elevation around 1750 m (the head of Chromium Creek is around 2300 m) and is visible for an additional 400 m down the creek before disappearing under tree and overburden cover. The width of the QSP shear is around 300 m but in many areas the contacts are covered. All rock samples from the shear returned only very low metal values.

In this area, poorly exposed volcanic rocks marginal to the QSP shear are generally weakly altered tuffs and breccias. Rock samples with significant Cu were consistently related to small zones of quartz-epidote veining which are believed to have limited economic potential. The mineralization may be distally related to a larger system.

Mapping was conducted on two ridges in the rugged Rocky West area. In general, outcrop if fairly abundant along the ridge crests and on the precipitous northwest slopes (which cut across the volcanic stratigraphy) and is very poor on the southeast slopes which are largely talus covered. Major gulleys are generally dominated by QSP-altered shears.

Bedrock to the west is generally a thick package of fine-grained, commonly hornfelsed volcaniclastics which are moderately foliated along easterly strikes. The foliated package dips moderately to the south-southeast consistent with the property wide thrust attitudes. The volcaniclastics may prove to be tuffaceous sediments under thin section but are too fine grained to distinguish in the field. The

volcaniclastics exhibit patchy to pervasive propylitic alteration comprised of epidote – silica ± chlorite ± pyrite and veinlets to coarse aggregates or boudins of epidote and opaque white quartz. Sills and dykes of various dioritic and porphyritic units appear far more abundant on the west side the property (locally forming up to 50% of the volcanic section) and may in part account for the expansion of the colour anomaly in this area.

The strong, distinct QSP shear zone mapped along Chromium Creek was not mapped in the Rocky West area; however, numerous QSP shears were mapped along major gullies. The Chromium Creek QSP shear may horsetail in this region.

Significant Cu ± Au was returned from selected samples along both mapped ridges but is more abundant on Chilco Ridge. The Cu occurs in planar and folded quartz veinlets and is proximal to chloritic shears (thrusts) and dioritic sills and dykes.

Mapping in 2019 and 2020 has shown the volcanic and volcaniclastic rocks to be extensively affected by weak to moderate biotite hornfels alteration throughout the claim block, an effect interpreted to have been caused mainly by the large nearby late Cretaceous to Tertiary Klinaklini pluton and associated satellitic plutons. The mapping outlined large areas of propylitic assemblage alteration, including epidote-chlorite- calcite and epidote-magnetite in intermediate volcaniclastic host rock, in a pattern that is interpreted to be peripheral to a hydrothermal centre. In 2019, porphyry-style copper mineralization was found at the Rya showing, south of Chromium Creek, which is surrounded by propylitic alteration. The mineralization of weak chalcopyrite with minor pyrite in a small hydrothermal potassic zone, which has elevated copper and gold geochemistry, is defined by a weak quartz stockwork and associated pervasive fine-grained biotite alteration.

To the northwest of Rya lies the advanced argillic altered zone underlying the historic Briton iron prospect. Across several hundred metres, the Briton iron deposits are underlain by advanced argillic alteration with high temperature minerals such as pyrophyllite, andalusite, nacrite, topaz and scattered dumortierite. The high temperature advanced argillic alteration at surface suggests hydrothermal fluid activity is implicated at depth.

10 Conclusions and Recommendations

The PIN 2 mineralization at the east end of Chromium Creek is widespread but based on several float samples and one subcrop. There is the possibility the mineralized float boulders have been transported. The PIN 2 mineralization occurs in weakly altered volcanic rocks and constitutes a lower priority drill target unless supported by geophysics.

Mapping along the east end of Chromium Creek shows the QSP schist defines a shear zone hundreds of meters wide at surface and traceable for over a kilometer of ENE-WSW strike length. The shear follows the course of Chromium Creek and at the east end trends southeast toward the Klinaklini River. Foliations within the shear are striking east-northeast and dipping 50-60 degrees to the south-southeast which is sub-parallel to but slightly steeper than the regional thrust orientations. QSP shear zones were mapped a few days later along trend on the far west side of the property (Rocky West) have a very similar strike but are more dispersed and suggest the shear zone may horsetail as it trends west.

In the newly mapped Rocky West area, propylitic alteration is more strongly developed with increased silica – epidote ± chlorite ± magnetite ± pyrite and significantly less calcite-hematite. The volcanic and volcaniclastic units are generally moderately to strongly hornfelsed in Rocky West. Sills and dykes appear far more abundant on the west side the property and may help explain the expansion in the width of the colour anomaly to 3 km in this area.

New areas of Cu mineralization were found on two ridges mapped during the current program in the Rocky West area. The better Cu mineralization was found on Chilco Ridge over a length of approximately 300 m. Mineralization on the more northerly ridge is sporadic and quartz veining less developed. Further traverses should be carried out to the southwest of this mineralization to see if it is traceable down slope in that direction. Although alteration on the ridges is primarily propylitic, the steeply incised gully south of Chilco Ridge is characterized by an intense QSP shear zone similar to shearing found along Chromium Creek to the east.

The Chilco showing could be tested by a long hole collared from the gulley (with flowing water) to the southeast of Chilco.

The geological features at Chilco, Rya and Briton, the widespread propylitic alteration with numerous Cu showings and the strong linear Chromium Creek QSP shear may be high-level components of a deeper porphyry copper system, driven by previously unrecognized younger, robust causative intrusions which post dates a much larger granodiorite porphyry to the north. This larger granodiorite porphyry stock and the causative intrusive pluton together would have the capacity to develop the extensive and widespread biotite hornfels and propylitic alteration.

Further exploration at the Perk-Rocky project is recommended to complete the evaluation for a porphyry copper system and to improve any drill targeting. The following specific recommendations are made.

1. Terraspec study of all samples collected during 2020 mapping and hand samples not studied in 2019. This would help systematize alteration mapping.
2. Additional petrographic work to clarify mapped lithologies and alteration.
3. An in-depth evaluation of rock and talus geochemical results, by employing expertise in porphyry copper system 'footprint' lithogeochemical patterns.
4. Complete IP across and/or along Chromium Creek valley and over other targets as developed. A distributed array system would require fewer cables and be an advantage given the rugged terrain on Perk-Rocky. A drone supported detailed magnetic survey along Chromium Creek may help define alteration and structures.
5. Continue geological mapping in areas without coverage or with poor coverage.

Eventual drill testing of targets would depend on results from the additional ground work.

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12 Statement of Qualifications

I Robert Cann, of Nanaimo, British Columbia, Canada hereby certify that:

1. I am a Professional Geoscientist in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (License Number 18657).

2. I am a graduate of the University of British Columbia, with a B.Sc. (Honours Geology - 1976) and an M.Sc. in Economic Geology (1979).

3. I have practised mineral exploration for 40 years and in 13 countries in North and South America, in Asia, and in Australia.

4. I am President of RoCa Consulting Inc., Nanaimo, British Columbia.

5. I personally supervised the exploration program on the Perk-Rocky project from September 8 to September 21, 2020, spending a total of 11 field days on the project.

6. I am independent of Ethos Gold Inc. and have no underlying interest in the Perk-Rocky property.

Dated 31 January, 2021 in Nanaimo, B.C.

Robert M. Cann, M.Sc., P.Geo.

13 Statement of 2020 Costs

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	Subtotal*	
Robert Cann: Project Manager	7-23 Sept 2020	14.31	$650.00	$9,301.50	
Lori Palawski	8-23 Sept 2020	17.25	$800.00	$13,800.00	
Greg Dusois	9-21 Sept 2020	16.00	$600.00	$9,600.00	
				$32,701.50	$32,701.50
Office Studies	**List Personnel (note - Office only, do not include field days**				
Database compilation	R. Cann	9.90	$650.00	$6,435.00	
Field Prep	R. Cann	1.80	$650.00	$1,170.00	
Report Prep	R. Cann	5.00	$650.00	$3,250.00	
Permitting-Environmental				$0.00	
				$10,855.00	**$10,855.00**
Ground Exploration Surveys	**Area in Hectares/List Personnel**				
Geological mapping	1100 ha; R. Cann, G. Duso, L. Palawski				
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Rock - ALS (includes QC)	88	88.00	$64.78	$5,700.54	
Thin Sections/Cut Slabs - prep only	258		$0.00	$4,315.00	
				$10,015.54	**$10,015.54**
Transportation		**No.**	**Rate**	**Subtotal**	
Airfare			$0.00	$1,212.63	
Taxi			$0.00	$201.08	
truck rental	Enterprise		$0.00	$1,012.66	
kilometers		1080.00	$0.58	$626.40	
fuel			$0.00	$156.75	
Helicopter (hours+fuel)	White Saddle		$0.00	$21,893.25	
Other	Baggage fees/Change/Ferry			$266.75	
				$25,369.52	**$25,369.52**
Accommodation & Food	**Rates per day**				
Hotels	actual costs		$0.00	$308.50	
Board - White Saddle Resort	actual costs			$3,800.00	
Meals/Groceries	actual costs		$0.00	$1,423.67	
				$5,532.17	**$5,532.17**
Miscellaneous					
ALS Sample Tags				$96.61	
Other-Deakins Field gear/consumables				$500.70	
Field Supplies - WL				$514.61	
Ship Rock samples				$132.99	
				$1,244.91	**$1,244.91**
Equipment Rentals					
Field Gear (Specify)	Spot subscriptions		$0.00	$355.57	
				$355.57	**$355.57**
TOTAL Expenditures					**$86,074.21**

APPENDIX A

Rock Sample Descriptions and Locations

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830001	FLOAT	Deep reddish orange hem+lim staining on boulder with qtz vns up to 5% fine locally dissem py and possible trace cpy (very fine)	Paslawski	360224	5741730
A0830002	OUTCROP	QSP altered strongly hematite and limonite rusted ocrp, locally soft sheared white talc with textures obliterated, elsewhere strongly siliceous and pyritic tuff (?). py is very fine but locally pervasive dissem. ocrp is sheared with a prominent foliation (see structures)	Paslawski	359817	5741411
A0830003	FLOAT	Float-steep talus slope. This slope to the west and SW of this station all the way down to 20PKLP013 has tons of very large qtz vns boulders, persisting all the way up the slope. At this locality, is a boulder with mal staining and cpy on qtz vein, angular float.	Paslawski	359999	5741206
A0830004	FLOAT	qtz breccia vein float, subangular. White qtz veining brecciating pale green tuff wallrock. Contains blebby strongly rusted hematitic clots of py + cpy.	Paslawski	359965	5741192
A0830005	SUBCROP	QSP alterated scrp/possible float? 3x3m of strongly hematized and limonitic QSP zone with up to 10% diss. py as well as fine py stringers pervasive throughout. Strongly fractured and broken up.	Paslawski	359915	5741913
A0830006	FLOAT	Float subangular to subrounded, very fine dark grey-greenish tuff (?) qtz+sericite altered with very fine trace disseminate py. Cut by straight cm size qtz cal veinlets with course chl and epid, and blebby py with strong hematite staining, and trace possible cpy	Paslawski	359971	5741951
A0830007	FLOAT	Subrounded float - qtz epid veined intermediate volc tuff. Mal stained fractures. Epid dominated the vein and is a fine sugary texture intergrown with qtz. Mal occurs on hem+lim stained fracture surface	Paslawski	360125	5741856
A0830008	FLOAT	Float, subrounded to subang. epid qtz veining with mal stained fractures, magnetite dissem	Paslawski	360163	5741880
A0830009	FLOAT	Qtz epid veined volc with mal, cpy, py, hem, and magnetite	Paslawski	360165	5741861
A0830011	OUTCROP	Large ocrps on cliff. Will take multiple stations in this area. This station is a rusty hematite+limonite stained face of very fine dark grey magnetic microgabbro?? Wallrock contains course blebby pytite as well as strong fine dissem. This us cut by multiple phases of xcutting qtz vns with mal, rare azurite (fine), cpy, rusted py clots, and local fine bornite blebs. Some other suspicious looking bright yellow smears and coppery looking blobs as well.	Paslawski	354561	5739773
A0830012	OUTCROP	Large ocrps of fine to med grained gabbro?? diorite? magnetic wallrock with locally variability of plag crystal size. Cut by xcutting qtz+epid vns+ possible kspar. Vns sometimes silica+kspar core and epid+ chl rims and selvages. Wallrock is locally strongly pyritic. Vns have clotty cpy+py+bornite and local specs of mal.	Paslawski	354526	5739752
A0830013	SUBCROP	Scrp sample, very angular and freshly chipped, local. Fine dark grey microgabbro with convolute qtz vein 1 cm wide containing cpy, rusty py clots. in wallrock is a magnetite filled fracture and dissem. Too small to keep a hand sample - all sent to lab.	Paslawski	354523	5739752
A0830014	OUTCROP	continuation of ocrp above (LP030). Mal staining on qtz vein1-2cm wide. Stockwork veining here is intense and at least 2xcutting phases (see structures for orient). Vns have py+cpy clots and course chl	Paslawski	354551	5739774

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830015	OUTCROP	shear zone contact. Curved shear zone, we have wallrock chl schist strongly foliated and cut by abundant strongly rusted qtz vns with py+cpy+very fine trace mal and azurite locally. Wallrock shear also contains dissem py+/-cpy. In centre of shear is a strongly rusted hem+lim zine of intense veining and mineralization including qtz vns within shear and local ferricrete. Numerous samples will be taken from this zone (see next stations).	Paslawski	354593	5739801
A0830016	OUTCROP	Shear zone wth qtz veining. wallrock is fine dark grey volc? Microgabbro? Vns locally convoluted and folded but overall trending parallel within shear zone (in the ocrp). Local scrp boulders show vns xcutting shear foliation. Strong chl alteration and locally course chl in vns. Weak dissem of blebby py in vns.	Paslawski	354528	5739740
A0830017	OUTCROP	Shear zone contact. Strongly sheared chl schist zone here continues to run parallel to the ridgeline. Footwall of shear is what appears to be mineralized (see stations to the north). Shear itself does host many qtz vns with variable lim+hem staining and blebby sulfides, with trace mal and cpy. Here vns run subparallel to shear but also are folded within shear (see pics) and locally xcut foliation. chl schist has fine magnetite dissem and foliation bands.	Paslawski	354580	5739783
A0830018	OUTCROP	Shear zone, uppermost ocrp. Same chl schist with qtz veining and locally strong lim+hem. Stockwork cm vns.	Paslawski	354626	5739813
A0830019	OUTCROP	chl altered volc? Wkly schistose (hangingwall of shear zone?) ocrp is a 2x5m window next to massive hbl intrusive/dyke. Locally string hem+lim staining plus intense local mal and azurite. Cut by a plethora of qtz chl vns with mal, azurite, coy, blebby py. Magnetitie dissem in vns and wallrock. 2sample here in xcutting vns	Paslawski	354673	5739828
A0830020	OUTCROP	chl altered volc? Wkly schistose (hangingwall of shear zone?) ocrp is a 2x5m window next to massive hbl intrusive/dyke. Locally string hem+lim staining plus intense local mal and azurite. Cut by a plethora of qtz chl vns with mal, azurite, coy, blebby py. Magnetitie dissem in vns and wallrock. 2sample here in xcutting vns	Paslawski	354673	5739828
A0830021	OUTCROP	Fine dark grey blitzed volc/gabbro cut by qtz vns (1-10cm), xcutting. around veins is very lim+hem stained. Wallrock locally contains intense py dissemination. Strong chl as foliated whisps throughout wallrock and coarsely in vns. Local trace epid.	Paslawski	354377	5739666
A0830022	SUBCROP	Scrp, qtz chl veining in weak chl schist. Strong hem+lim staining. Sample is packed with sulfides in vein and wallrock, mostly py but possible cpy as well. dissem magnetite in vein and wallrock also. This area is primarily talus (very local) and scrp.	Paslawski	354453	5739702
A0830023	OUTCROP	Intensely silicified ocrp and scrp cut by pervasive qtz vns in a convoluted wa6. Wallrock is fully replaced to silica?? very whitish pale pink, surrounding the ocrps is intensely orange qsp altered talus.	Paslawski	354428	5739638
A0830024	OUTCROP	Chlorite schist shear zone, same as up the ridge. Wallrock is strongly altered chl schist with intense dissem py and py stringers. Local zones of intense hem+lim throughout shear center. Rare cm qtz vns with blebby py	Paslawski	354278	5739542

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830025	OUTCROP	Chl epid altered fine dark grey volc/micrograbbro? course chl in foliation, and locally strong hem+lim around qtz veinlets. Vein density here is less than it was to the east up the ridge. Veinlets have blebby sulphides and chl.	Paslawski	354230	5739492
A0830026	OUTCROP	Sheared volcs and QSP zone. Strongly foliated volc with hem+lim staining and locally intense dissem py, cut by rare qtz vns parallel to shear structure. Lenses of dark grey siliceous volc are caught up in the shear but remain competent. Sample is siliceous sheared altered wallrock adjacent to a white qtz vein (vein appears void of sulfides). Sampled rock contains dissem py plus very fine peacock coloured sulfides that may just be rusted pyrite? Hard to tell.	Paslawski	354330	5739557
A0830027	OUTCROP	Intrusive plug? Porphyry with qtz+plag+hbl phenos in s fine grey matrix, very fine trace dissem py and local zones of brecciated sulfide stringers with very strong lim+hem staining. Locally cut by cm veinlets of epid. Wallrock has chl alteration of hbl. This unit ocrps periodically along the top of the ridge here within he sheared pyritic qsp zone.	Paslawski	354308	5739555
A0830028	OUTCROP	very fine siliceous dark grey-black magnetic rock (volc?) with dissem py snd possible dissem cpy. ocrps here along the side of the ridge are more massive and less obviously sheared , and cut by qtz epid vns up to 10 cm wide. chl very finely altering wallrock and pervasive in vns.	Paslawski	354184	5739559
A0830029	OUTCROP	chl schist, locally strong limon+hem in layers within foliation. Very fine dissem py, locally blebby. Strongly altered eith chl, silica and py. Very few cm size qtz vns.	Paslawski	354116	5739451
A0830030	OUTCROP	chl schist zone continues as above. Possible pillow textures, see pics. Very rare veining. Here we have a qtz vein x-cutting follation, 1-4 cm wide with clots of strongly hematite stains sulfides, and chl whisps in the vein.	Paslawski	354042	5739377
A0830032	OUTCROP	Altered volcs, moderate silica and chl cut by moderate to high density of qtz epid chl vns to 7 cm wide, bright white, with blebby py plus possible cpy. Locally strongly lim+hem stained around vns.	Paslawski	354989	5740053
A0830033	OUTCROP	chl schist, strongly foliated but ocrp is massive. cut by moderate veining as 1-5cm wide qtz vns with course chl and minor epid, and blebby clusters sulfides, very strongly hematized. Veining subparallel to foliation but rarely xcutting.	Paslawski	354747	5739996
A0830034	OUTCROP	Dark grey volc cut by bull qtz vns to 10 cm wide. Strong lim+hem in fractures and clusters around minor blebby sulfides (py?) in vns. In one vein, a strange conchoidal like fracture revealed a pale blue stain (cu??, chrysocolla??). chl within vns is mod course. chl alteration of wallrock is very fine. Siliceous.	Paslawski	354745	5739739
A0830035	OUTCROP	Strongly lim+hem altered very fine dark grey rock with intense silica py chl alteration. py is locally smeared along foliation. Strongly jointed with rare qtz vns. Sample is pyritic wallrock	Paslawski	354728	5739690
A0830036	SUBCROP	Strongly lim+hem altered very fine dark grey rock with intense silica py chl alteration. py is locally smeared along foliation. Strongly jointed with rare qtz vns. Sample is vein in talus (local) with py and course magnetite	Paslawski	354728	5739690

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830037	OUTCROP	fine dark grey volc, altered. chl and silica plus minor py in groundmass. Cut by vns of qtz+very course chl, and chl dominant vns with only minor qtz. In the chl vns, there is patchy very bright coloured iridescent sheen over the chl sheets, with bright pinks, greens, purples, and blues. Sample is a course chl vein	Paslawski	354762	5739680
A0830039	OUTCROP	hfld volcs. strongly altered with sericite, silica, chl and silvery py. wkly veined with cm size veinlets	Paslawski	354606	5739567
A0830040	OUTCROP	sericite-chl schist shear zone. Very strongly foliated and locally fissile and crumbly. Shear layers include schist, ferricrete, qtz vns, and siliceous lenses. Strongly hematized and locally contains dissem py	Paslawski	354549	5739560
A0830041	OUTCROP	Hfld volc OR qtz diorite?? locally fine and dark grey-black, elsewhere white qtz rich with black chl altered biotite? cut by course feins of chl+py+magnetite. Vns appear gently folded in the ocrp	Paslawski	354294	5739404
A0830042	OUTCROP	Hfld volcs, wkly foliated chl. up to 5% dissem py, sometimes course and blebby.	Paslawski	354289	5739238
A0830043	OUTCROP	strongly altered volc? intense qtz-py blitzing the wallrock, py is coarsely dissem as well as fine stringers. very intense lim+hem alteration.	Paslawski	354151	5739143
A0830051	SUBCROP	Discrete 2m x 2m limonitic pod within scrp of andesite tuff. 2% dissem py in a fine grained grey/green qtz-feldspar groundmass. Silicious, Pervasive weak chlorite (1-2). No veining. Took an assay sample A0830051	Duso	360306	5741365
A0830052	SUBCROP	A few scrp'ing QSP alteration pods exposed in hillside through talus. 1-2% py in a strongly serecitized, limonitic-and locally silicious andesite. Pods appear to trend 040/60. Took grab sample of best material A0830052.	Duso	360077	5741380
A0830053	OUTCROP	mod foliated qtz-ser-py altered andesite tuff, 1-3% dissem py in a pale grey to bleached white qtz-ser matrix. Abundant limonite developed on weathered fractures. Foliation strikes 320/10 parallel to Chromium Creek bed. QSP ocrps are fissile at almost flat lying angles in this area (collapsed overturned block?). Took two samples of the best looking material in terms of py content. A0830053 & 54.	Duso	359909	5741276
A0830054	OUTCROP	mod foliated qtz-ser-py altered andesite tuff, 1-3% dissem py in a pale grey to bleached white qtz-ser matrix. Abundant limonite developed on weathered fractures. Foliation strikes 320/10 parallel to Chromium Creek bed. QSP ocrps are fissile at almost flat lying angles in this area (collapsed overturned block?). Took two samples of the best looking material in terms of py content. A0830053 & 54.	Duso	359909	5741276
A0830055	OUTCROP	Within talus there are several small ocrp exposures of strongly limonitic QSP. The zones strike 060/80 SE and continue on the south side of Chromium Creek. 1-5% fine dissem py in fine grained qtz-ser alteration. No veining. Took a photo 1:26pm looking up Chromium Creek at the QSP zones on south side. Took a scrp grab sample of best material A0830055.	Duso	360315	5740852
A0830056	OUTCROP	Grab sample of QSP ocrp in Chromium Creek, 3% dissem py in qtz-ser schist, S1 098/46. Weathered, bleached white with abundant limonitic fractures, sheared foliated. No veining.	Duso	360382	5740771

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830057	OUTCROP	In Chromium Creek bed on south side there is a 10m high exposure of QSP dipping SSE. Took a photo and sample of best material A0830057- 5% dissem py in qtz-ser altered andesite tuff. Foliated 076/46 SE, QSP exposed up and down both sides of Chromium Creek but it is obscured by trees and vegetation.	Duso	360651	5740717
A0830058	OUTCROP	Med grained andesite tuff containing a few poddy 1-2m zones of 1-4% dissem py with weak chl alteration of groundmass. Limonitic surfaces but not sericitized. Took a grab sample A0830058. No veining but opaque 1-10mm bull qtz veinlets in ocrp 50m to the West.	Duso	360012	5741238
A0830059	SUBCROP	Pale green andesite, wkly chloritized (2), weak blebby epid (1-2). 1-5% veinlets (1-20mm) of opaque massive to druzy bull qtz with rare mm specs of cpy +/-mal staining. Found a few other float specimens with veinlets up to 5cm with cp rare specks. The veined zone is mostly scrp or under talus, estimate a 4m wide zone trending uphill to the NW no more than 20m n strike length.	Duso	359994	5741213
A0830060	FLOAT	Within the talus there are a few angular to subangular boulders of strong epid veining +/- magnetite (fine grained to veined) +/- weak mal staining and rare blebby cpy. Looks like skarn mineralization. Not sure of the source as similar boulders are found SW at the PIN1 area. Took two assay samples and hand specimens.	Duso	360557	5742269
A0830061	FLOAT	Within the talus there are a few angular to subangular boulders of strong epid veining +/- magnetite (fine grained to veined) +/- weak mal staining and rare blebby cpy. Looks like skarn mineralization. Not sure of the source as similar boulders are found SW at the PIN1 area. Took two assay samples and hand specimens.	Duso	360557	5742269
A0830062	FLOAT	Another float boulder of strong epid veining, 2-3% dissem magnetite and traces of mal, sample A0830062.	Duso	360432	5742134
A0830064	OUTCROP	West side, carrying on from where Bob Cann left off. Talus/scrp with small razor back ocrps forming ridges down the north slope. Very fine grained volc, dark grey, 1-3% dissem py, rare 1-4mm qtz-chl veinlets (hand specimen) and rare epid-chl-py (trace) veinlets up to 5mm. Several veinlets or poddy knots of massive epid and opaque bull qtz veinlets (hand specimen). Took grab sample from ocrp of dissem py in a limonite weathered fine grained volc, weak chl (2) silicification (2) and 3% py. Coarse chl sample in veinlet. Veinlets trend 115/80 to subvertical.	Duso	353376	5740114
A0830065	FLOAT	Station 20m below ridge on N slope, took a photo of a large local boulder of typical strong epid with numerous bull qtz veinlets, no sulphides. Nearby a local boulder of strongly chloritized (4) fine grained volc with several opaque bull qtz veinlets containing rare mm aggregates of py with trace cpy and weak mal staining on fractures. A few other float specimens about with trace cpy in veinlets or just traces of mal. Took two representative samples A0860065 and A0860066. Hand specimen for terraspec.	Duso	353340	5740090

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830066	FLOAT	Station 20m below ridge on N slope, took a photo of a large local boulder of typical strong epid with numerous bull qtz veinlets, no sulphides. Nearby a local boulder of strongly chloritized (4) fine grained volc with several opaque bull qtz veinlets containing rare mm aggregates of py with trace cpy and weak mal staining on fractures. A few other float specimens about with trace cp in veinlets or just traces of mal. Took two representative samples A0860065 and A0860066. Hand specimen for terraspec.	Duso	353340	5740090
A0830067	OUTCROP	10m from last station a 5x10m ocrp of fine grained volcs with qtz veinlets and up to 5% dissem to blebby patches of py, trace cpy (in veinlets only), pervasive fine magnetite (5%). Took a grab sample A0830067 and a hand specimen. Veinlets trend 90/45-60 SSW, Strong chl (4). volcs are foliated and generally trend 100/46. Talus on the slope represents all the typical rock types, hfled limonitic volcs,, microdiorites, and fresh intrusive diorite sills. Brought a hand specimen of a fresh qtz-hbl intrusive. Took two grab samples of the hfled volcs with strong chl-qtz alteration, 5-10% py. A0830068 and A0830069	Duso	353346	5740097
A0830068	OUTCROP	10m from last station a 5x10m ocrp of fine grained volcs with qtz veinlets and up to 5% dissem to blebby patches of py, trace cpy (in veinlets only), pervasive fine magnetite (5%). Took a grab sample A0830067 and a hand specimen. Veinlets trend 90/45-60 SSW, Strong chl (4). volcs are foliated and generally trend 100/46. Talus on the slope represents all the typical rock types, hfled limonitic volcs,, microdiorites, and fresh intrusive diorite sills. Brought a hand specimen of a fresh qtz-hbl intrusive. Took two grab samples of the hfled volcs with strong chl-qtz alteration, 5-10% py. A0830068 and A0830069	Duso	353346	5740097
A0830069	OUTCROP	10m from last station a 5x10m ocrp of fine grained volcs with qtz veinlets and up to 5% dissem to blebby patches of py, trace cpy (in veinlets only), pervasive fine magnetite (5%). Took a grab sample A0830067 and a hand specimen. Veinlets trend 90/45-60 SSW, Strong chl (4). volcs are foliated and generally trend 100/46. Talus on the slope represents all the typical rock types, hfled limonitic volcs,, microdiorites, and fresh intrusive diorite sills. Brought a hand specimen of a fresh qtz-hbl intrusive. Took two grab samples of the hfled volcs with strong chl-qtz alteration, 5-10% py. A0830068 and A0830069	Duso	353346	5740097
A0830070	OUTCROP	Fine grained qtz-chl +/- epid altered volcs. 1-5% dissem py, trace of cpy as rare speck, wkly to mod foliated 98/34. There is a 2m thick microdiorite intruding the volcs at 110/60. Took a grab assay sample A00830070and hand specimen of stronger sulphides with representative qtz-chl-py veinlets. Veinlets strike 98/34 conformably with foliation.	Duso	353232	5740101
A0830071	OUTCROP	Continuation of ocrp at station 046. Fine grained qtz-chl altered hfled volc, wkly foliated 078/17, pervasively magnetic with fine invisible magnetite. Traces of py, occasional qtz-chl+/- py veinlet (took a hand specimen of best veinlet) . ocrp ends 50m down the ridge from this station. One bull qtz vein observed striking 126/90, 5cm wide, trace py. Took a grab sample of the vein A0830071, possible traces of yellow-green oxidized arsenopy.	Duso	353122	5740088

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830072	OUTCROP	py content increases at this ocrp, fine grained, greyish green, non-magnetic, contains two phases of py, the first is vey fine grained and dusty grey, the second form is the typical shiny coarser dissem type. Up to 8% py by volume, assay for Au? Very silicious with limonitic rinds and fractures. This increased py unit is at least 20m thick and trends 110 degrees along the north slope (see photo).	Duso	353109	5740117
A0830073	SUBCROP	2 x 3 m scrp in talus, silicious fine grained volc, wkly foliated 088/39. Up to 10% dissem py in discrete foliaform bands but generally 1-3%. Took a grab sample of the stronger py A0830073. Faint pinkish mineral as fine grained clots (potassic altn?). Took a hand specimen. Locally variable py/limonite content, patchy weak to strong epid +/- opaque qtz +/- coarse chl propylitic alteration. Took two hand specimens, the first a more hfled pyritic piece , the other a fresher less hfled specimen collected 2m apart.	Duso	352903	5740135
A0830074	SUBCROP	Talus and scrp of wkly hfled volcs, occasional poddy limonitic boulders of stronger py. Took two grab samples A0830074 and 075 plus a hand sample of the stronger py just to check for Au. Up to 8% dissem py in a qtz (3) chl (3) altered, wkly foliated volc.	Duso	352766	5740229
A0830075	SUBCROP	Talus and scrp of wkly hfled volcs, occasional poddy limonitic boulders of stronger py. Took two grab samples A0830074 and 075 plus a hand sample of the stronger py just to check for Au. Up to 8% dissem py in a qtz (3) chl (3) altered, wkly foliated volc.	Duso	352766	5740229
A0830077	OUTCROP	Upper contact 093/60 of a relatively fresh hbl bearing intrusive sill. Took a hand specimen of the pale grey green med grained feldspathic (60% sub-mm subhedral plag in a pale green fine grained, qtz-feldspar groundmass, 5% black sub-mm hbl. Trace py, weathers blocky pale green to orange, sill approx 10m thick conforming with regional foliation fabric 090/60. Northern contact is more porphyritic and fresher, took a hand specimen, 25% matrix supported euhedral plag phenos up to 3mm in a fine grained grey-green groundmass, no veining, no sulphides. Took a grab sample of adjacent hfled volcs with up to 5% py and strong limonite. A0830077	Duso	352591	5740298
A0830078	OUTCROP	Upper contact of another intrusive sill continues down ridge for 50+m to next color anomaly QSP. Hand specimen:wkly chloritized fine grained blocky massive qfp, blocky, massive, some poddy lim zones within and along contacts. A0830078, grab of best py aolong contact.	Duso	352551	5740344
A0830079	FLOAT	Grab of local float boulder of opaque qtz breccia and strong limonite, run for Au. The talus at this station and down the ridge is a fine grained, sugary white to pale bluish qtz-serecite altered volc with weak limonitic weathering. Took a representative hand specimen.	Duso	352499	5740399
A0830080	OUTCROP	Upper contact of a feldspar phyric sill and hornflesed volcs, partially obscured by talus. 10m to the northeast there are fine grained volcs with the typical epid +/- opaque qtz veining. A 2cm opaque qtz veinlet strikes 084/90 and has traces of py, one speck of cpy and a weak mal stain, took a selective grab of the vein A0830080. volcs are wkly foliated 084/54, volcs continue for another 20m then all talus until next station.	Duso	352925	5740295

Sample	Source	Description	Geologist	East n83z10	North n83z10
A0830081	OUTCROP	ocrp of wkly foliated 070/50, limonitic/hfled volc above a sill. Same sugary pale qtz-ser altered volc as at station 059 from yesterday. One mod limonitic, 5cm bull qtz vein trending 350/58, took a grab sample for Au, A0830081. Foliation 080/22. Some deep red ferricrete developed over 3-4m where strongly hfled/pyritic volcs are exposed rainwater discharge drainages.	Duso	353079	5740426
A0830083	OUTCROP	8cm wide bull qtz vein striking 105/90, minor chl and traces of limonite. Host rock is the same foliated volc as the first station. Rare epid +/- bull qtz+/- chl veinlets up to 1cm, no sulphides.	Duso	354766	5739672
A0830084	OUTCROP	At bottom end of the same ocrp towards gully bottom, a bull qtz vein blows out to 1.5m wide over a 5m strike length before pinching out just centimeters wide, trace py. Took a grab sample to run for Au. A0830084. chl/magnetite selvages, striking 102/90.	Duso	354693	5739600
A0830085	OUTCROP	Same ocrp again, took a grab sample A0830085 of a very limonitic/pyritized lense within the ocrp. Fine grained, 5% py dissem, not magnetic.	Duso	354742	5739598
A0830086	OUTCROP	Bull qtz vein 5-10 cm wide striking 350/80, 5% coarse white py as dissem and aggregates. Grab sample A0830086	Duso	354517	5739343
A0830101	OUTCROP	Drusy qz vns in silic zn at contact microdiorite	rmc	353947	5740325
A0830102	OUTCROP	patchy qz-py at contact wi microdior	rmc	353452	5740133
A0830103	OUTCROP	Wk qz stckwk wi minor py and +/- chlor-mag	rmc	353394	5740118
A0830104	FLOAT	Float qz-aspy vein material	rmc	357741	5743830
B498501	SUBCROP	minor mal in qz vnlts	rmc	358062	5741168
B498502	OUTCROP	Drusy qz vnlt in microdior wi patchy spec hem.	rmc	358424	5741309
B498503	OUTCROP	QSP chips	rmc	357492	5740689
B498504	OUTCROP	Qz-py stckwk in volc.	rmc	357564	5740757
B498505	OUTCROP	Rusty fractd volc.	rmc	357558	5740546

APPENDIX B

Rock Samples

ALS Analytical Certificates

ALS Canada Ltd.
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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

CERTIFICATE KL20211330

Project: Perk

This report is for 88 Rock samples submitted to our lab in Kamloops, BC, Canada on 21-SEP-2020.

The following have access to data associated with this certificate:

ROBERT CANN	JO PRICE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with 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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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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CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
A0830001		0.74	0.04	0.27	11.5	10	<0.05	0.11	0.04	0.02	0.87	1.4	20	0.08	9.5	2.34
A0830002		0.48	0.03	4.83	25.8	110	0.33	0.21	1.51	0.06	4.88	2.6	10	0.41	21.8	3.37
A0830003		0.63	3.75	2.31	8.0	240	0.13	0.02	0.64	0.14	4.01	4.7	18	0.67	2320	2.56
A0830004		1.20	1.15	2.29	13.5	100	0.16	0.01	0.99	0.12	4.65	3.2	19	0.30	285	2.14
A0830005		0.67	0.19	7.87	22.6	200	0.43	0.07	3.04	0.06	8.75	11.1	5	1.04	49.0	5.92
A0830006		0.69	0.02	7.44	10.2	280	0.65	0.06	6.63	0.16	13.20	8.7	9	0.52	23.9	6.12
A0830007		0.77	0.31	7.04	22.4	80	0.27	0.35	9.03	0.21	7.62	9.5	33	0.53	195.5	5.67
A0830008		0.29	0.34	6.90	26.6	30	0.17	0.21	8.57	0.27	7.94	11.8	14	0.30	803	6.30
A0830009		0.94	1.23	7.64	21.4	130	0.30	0.11	6.52	0.18	12.25	22.8	11	1.27	1305	6.84
A0830010		0.02	<0.01	0.09	0.7	<10	0.06	0.01	0.01	<0.02	2.21	0.4	6	0.10	6.1	0.33
A0830011		1.04	0.38	8.41	7.0	190	0.55	0.16	6.57	0.68	13.45	12.5	8	2.18	448	4.99
A0830012		0.95	0.19	7.36	4.8	300	0.48	0.04	4.22	0.34	11.80	16.8	9	1.84	211	4.50
A0830013		0.33	0.20	8.02	4.5	280	0.37	0.03	4.02	0.15	10.15	20.6	8	3.11	213	5.12
A0830014		1.55	2.28	6.85	6.9	160	0.40	0.10	4.15	1.67	12.40	25.2	8	1.29	2400	5.41
A0830015		0.69	0.03	8.16	4.1	10	0.49	0.05	4.25	0.22	13.65	35.7	6	0.45	50.4	7.04
A0830016		1.22	0.04	8.47	5.0	190	0.76	0.07	5.05	0.16	13.55	7.2	6	1.59	30.2	4.04
A0830017		0.80	0.38	6.08	3.3	30	0.55	0.03	3.32	0.26	8.74	13.9	7	2.09	739	4.53
A0830018		0.74	0.17	8.34	13.3	160	0.71	0.06	5.07	0.33	11.95	23.7	8	0.52	140.0	4.91
A0830019		1.21	0.21	7.20	5.1	20	0.32	0.05	5.15	0.37	11.65	31.3	32	0.54	436	7.57
A0830020		1.49	3.94	3.93	6.7	10	0.07	0.16	3.35	3.06	4.11	16.4	36	0.19	3410	5.86
A0830021		2.34	0.20	7.47	9.9	130	0.31	0.05	6.57	0.27	11.55	13.0	28	0.80	146.0	5.55
A0830022		0.90	0.17	7.94	4.7	390	0.90	0.17	4.84	0.20	23.2	18.5	8	1.68	134.0	4.74
A0830023		1.53	0.01	0.32	1.8	20	<0.05	0.05	0.02	<0.02	0.55	0.5	69	0.19	2.6	1.18
A0830024		0.82	0.10	9.82	6.5	1050	0.73	0.54	4.50	0.12	11.70	37.9	53	1.33	36.4	8.49
A0830025		0.79	0.15	8.48	4.7	140	0.51	0.11	5.90	0.13	14.35	25.7	10	0.99	102.0	6.84
A0830026		1.00	0.07	7.69	8.0	460	0.69	0.11	2.61	0.14	29.2	9.4	9	2.69	36.2	4.49
A0830027		1.00	0.18	7.64	11.9	420	0.67	0.18	3.15	0.13	14.85	21.5	15	0.70	142.5	5.50
A0830028		0.81	0.14	5.32	18.2	200	0.38	0.36	4.31	0.25	9.43	8.6	31	0.80	41.2	3.40
A0830029		1.03	0.29	9.49	3.5	320	1.19	0.04	3.23	0.29	13.30	16.6	14	1.24	125.5	7.97
A0830030		0.83	0.30	5.14	6.0	20	0.09	0.01	2.30	0.10	10.30	20.6	28	0.23	201	6.69
A0830031		0.62	0.06	9.56	8.3	350	0.74	0.02	2.34	0.07	11.20	15.3	16	0.71	46.1	6.25
A0830032		1.03	0.02	3.75	10.8	20	0.11	0.07	5.42	0.33	8.32	6.7	24	0.14	15.5	5.46
A0830033		0.76	1.37	7.32	9.7	230	0.32	0.18	6.55	1.61	10.10	11.3	25	1.61	962	4.91
A0830034		1.24	0.04	6.49	8.8	110	0.46	0.04	3.58	0.19	11.00	10.3	17	0.98	37.7	6.58
A0830035		0.44	0.08	8.96	4.7	170	0.45	0.08	5.87	0.21	11.25	20.8	13	0.88	59.2	6.31
A0830036		1.14	0.02	8.09	10.5	160	0.53	0.15	4.37	0.15	12.25	25.2	14	1.04	10.0	6.52
A0830037		0.64	0.06	8.57	3.4	620	0.88	0.03	4.84	0.14	36.9	27.9	146	7.54	55.6	5.82
A0830038		<0.02	0.01	0.09	0.6	<10	0.06	0.01	0.01	<0.02	2.20	0.4	6	0.10	5.1	0.35
A0830039		1.04	0.04	8.31	3.5	110	0.52	0.01	3.71	0.13	12.55	17.3	5	1.35	57.3	6.53
A0830040		0.85	0.04	3.12	1.0	100	0.16	0.03	0.18	0.02	12.45	4.5	23	1.00	18.5	5.09

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

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
A0830001		0.97	<0.05	0.3	0.005	0.02	<0.5	0.4	0.05	98	2.23	0.02	1.0	1.8	20	1.1
A0830002		11.05	<0.05	1.1	0.059	0.03	1.6	42.5	0.33	155	2.01	0.10	1.6	1.7	450	5.6
A0830003		6.00	<0.05	0.3	0.016	0.48	1.6	3.3	0.42	422	1.75	0.38	0.5	2.1	100	1.9
A0830004		5.21	<0.05	0.5	0.021	0.17	1.9	2.1	0.29	353	1.32	0.62	0.7	2.2	130	2.6
A0830005		16.05	0.05	0.4	0.022	0.32	3.0	7.2	2.05	1160	0.65	3.13	1.7	2.8	390	6.2
A0830006		17.10	0.06	0.5	0.090	0.49	4.8	7.2	1.72	1720	0.88	0.36	2.5	3.6	650	5.1
A0830007		13.05	<0.05	0.7	0.104	0.27	3.1	2.4	0.52	1540	0.77	0.18	1.2	6.3	380	3.8
A0830008		18.75	0.05	0.9	0.148	0.07	2.7	8.6	0.68	1760	1.05	0.27	1.1	4.4	390	6.3
A0830009		18.20	0.05	1.3	0.123	0.50	4.4	10.2	1.45	1720	1.03	1.22	2.0	5.2	620	3.5
A0830010		0.24	<0.05	0.2	<0.005	0.01	1.1	13.3	<0.01	32	0.67	<0.01	1.0	2.9	10	0.5
A0830011		20.6	<0.05	0.6	0.161	0.37	5.1	6.6	1.79	1830	0.76	1.90	2.6	3.4	330	11.5
A0830012		14.60	0.06	0.2	0.073	0.50	4.4	12.2	1.74	1340	0.68	1.99	2.1	3.6	670	8.0
A0830013		14.45	0.07	0.2	0.053	0.59	3.3	12.1	1.45	928	0.61	1.75	2.0	5.2	560	7.2
A0830014		13.60	0.06	0.3	0.120	0.25	4.6	7.6	1.60	1260	1.31	1.79	2.1	4.9	610	7.1
A0830015		19.60	0.06	0.1	0.131	0.01	4.7	15.7	2.79	1710	1.10	0.41	1.6	4.9	710	5.7
A0830016		16.25	0.06	0.3	0.170	0.31	4.8	9.0	1.49	1240	1.37	2.51	2.6	2.9	610	9.3
A0830017		10.60	0.07	0.1	0.195	0.04	3.5	10.6	1.91	1380	1.02	0.42	0.8	4.9	380	5.6
A0830018		18.75	0.06	0.2	0.111	0.17	3.8	7.3	0.80	1020	1.93	2.17	1.7	4.5	540	11.7
A0830019		17.45	0.08	0.2	0.129	0.04	4.4	12.0	2.48	1740	1.94	0.59	1.3	11.8	690	6.3
A0830020		14.05	0.06	0.3	0.415	0.01	1.5	3.7	0.74	1140	3.76	0.22	0.4	9.7	310	7.0
A0830021		16.35	0.06	0.5	0.081	0.24	4.1	6.3	1.88	1600	2.02	1.02	1.9	8.5	620	7.4
A0830022		17.60	0.08	0.4	0.169	0.57	7.5	4.3	1.72	1330	1.05	1.88	3.2	4.5	770	8.4
A0830023		0.60	<0.05	0.1	<0.005	0.08	<0.5	0.6	0.01	121	9.72	0.03	1.1	2.3	20	0.5
A0830024		20.9	0.10	0.2	0.077	1.24	3.7	10.4	0.71	1020	1.19	2.62	2.1	28.9	580	11.8
A0830025		20.0	0.08	0.3	0.103	0.32	4.9	9.2	2.21	1680	7.32	1.93	2.3	5.4	710	5.7
A0830026		17.75	0.08	1.0	0.060	0.81	10.0	11.3	0.82	825	2.85	3.04	4.3	2.2	630	9.8
A0830027		18.50	0.06	0.9	0.047	0.67	6.1	22.5	1.55	1120	1.60	2.39	1.8	5.7	760	16.7
A0830028		11.85	0.05	0.4	0.060	0.47	3.2	4.6	0.51	892	6.61	0.60	1.1	2.8	260	9.8
A0830029		22.0	0.06	0.1	0.055	0.66	4.7	13.0	0.90	1450	1.18	2.82	1.9	7.4	640	13.8
A0830030		14.75	0.06	0.1	0.148	0.04	4.0	13.7	1.31	899	2.83	0.48	0.7	5.8	240	5.1
A0830031		25.3	0.07	0.1	0.041	1.06	3.2	8.8	1.09	969	3.11	1.99	2.2	3.6	600	5.7
A0830032		14.65	0.05	0.4	0.220	0.05	3.0	2.2	1.87	1880	1.99	0.19	0.9	3.7	280	7.0
A0830033		16.95	0.05	0.2	0.120	0.58	3.6	5.5	1.61	2050	2.39	0.65	1.6	4.0	500	9.0
A0830034		15.55	0.06	0.5	0.089	0.23	4.1	12.5	1.58	1200	1.37	1.62	1.4	2.4	690	6.3
A0830035		19.85	0.06	0.2	0.072	0.23	3.8	12.9	2.92	1360	0.58	2.12	1.9	12.3	630	7.0
A0830036		15.95	0.07	0.2	0.115	0.23	4.2	13.8	1.95	1040	1.44	1.70	1.9	4.2	680	6.3
A0830037		21.5	0.09	1.3	0.060	1.19	16.3	10.2	3.84	1290	0.64	2.48	4.4	82.1	1630	4.7
A0830038		0.25	<0.05	0.3	<0.005	0.01	1.0	15.9	0.01	33	0.74	<0.01	1.0	3.1	10	0.6
A0830039		18.35	0.07	0.2	0.122	0.11	4.0	17.4	2.24	1080	1.73	1.71	2.0	4.1	700	6.2
A0830040		8.68	0.05	<0.1	0.031	0.65	4.9	12.1	0.36	272	1.71	0.15	0.5	2.6	150	1.9

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

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description / Method / Analyte / Units / LOD	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
A0830001	0.3	<0.002	0.62	1.13	1.4	5	0.2	5.3	0.07	0.81	0.08	0.131	<0.02	0.1	8
A0830002	0.7	<0.002	1.80	2.57	9.2	4	0.9	118.5	0.10	1.12	0.36	0.319	0.13	0.4	79
A0830003	10.9	<0.002	0.07	1.69	4.5	1	0.2	56.6	<0.05	<0.05	0.16	0.073	0.08	0.2	53
A0830004	4.2	<0.002	0.02	1.59	4.9	1	0.3	97.5	0.05	<0.05	0.22	0.097	0.04	0.3	42
A0830005	5.2	0.010	2.17	4.99	23.6	2	0.2	305	0.12	0.28	0.28	0.524	0.14	0.2	142
A0830006	4.7	<0.002	0.03	5.15	20.8	<1	1.1	186.0	0.17	<0.05	0.53	0.493	0.18	0.4	165
A0830007	7.9	<0.002	<0.01	12.35	20.8	1	0.5	106.5	0.08	<0.05	0.35	0.337	0.05	0.4	122
A0830008	1.6	<0.002	<0.01	25.5	22.5	<1	1.0	265	0.06	<0.05	0.24	0.386	0.02	0.3	179
A0830009	13.2	<0.002	0.03	16.20	27.7	1	1.0	180.0	0.14	<0.05	0.48	0.536	0.14	0.5	188
A0830010	0.4	<0.002	<0.01	0.18	0.2	<1	0.5	0.9	0.06	<0.05	0.70	0.029	<0.02	0.1	2
A0830011	7.2	<0.002	0.08	4.06	28.2	1	1.3	280	0.16	<0.05	0.57	0.511	0.15	0.5	182
A0830012	9.9	0.002	0.18	1.60	19.1	1	0.9	279	0.13	0.05	0.40	0.448	0.15	0.3	138
A0830013	11.1	<0.002	0.43	1.71	18.5	1	0.9	230	0.12	0.10	0.33	0.428	0.26	0.2	148
A0830014	6.4	0.004	0.73	2.71	18.8	4	0.7	238	0.14	0.22	0.43	0.429	0.12	0.3	127
A0830015	0.3	0.002	0.47	1.38	27.8	1	1.0	189.0	0.11	<0.05	0.43	0.380	<0.02	0.3	206
A0830016	3.8	0.004	0.11	3.11	17.3	1	1.5	333	0.17	<0.05	0.56	0.432	0.13	0.4	122
A0830017	1.9	<0.002	0.04	1.06	13.4	2	1.2	275	0.06	0.09	0.24	0.203	0.04	0.2	129
A0830018	1.9	0.002	0.54	4.37	23.3	1	1.2	320	0.13	0.09	0.47	0.417	0.09	0.5	168
A0830019	1.0	0.002	0.13	4.18	32.0	1	1.1	158.5	0.08	<0.05	0.34	0.457	0.02	0.3	270
A0830020	0.4	0.003	0.57	2.05	20.6	4	2.8	193.0	<0.05	0.32	0.13	0.183	<0.02	0.7	237
A0830021	5.1	0.004	0.12	3.67	19.5	1	1.1	294	0.13	<0.05	0.40	0.463	0.10	0.4	184
A0830022	7.2	0.009	1.54	3.55	22.6	4	1.4	226	0.22	0.54	0.88	0.541	0.17	0.7	157
A0830023	1.5	0.003	0.02	0.87	0.7	1	0.6	5.3	<0.05	0.10	0.06	0.240	0.04	0.1	11
A0830024	20.4	0.002	2.07	2.66	33.4	5	0.9	314	0.14	0.26	0.58	0.580	0.28	0.5	198
A0830025	6.3	0.049	0.35	2.34	26.2	1	0.7	290	0.15	0.05	0.43	0.545	0.13	0.4	202
A0830026	24.0	<0.002	0.10	2.96	14.8	1	1.3	257	0.32	0.12	2.20	0.379	0.47	1.6	89
A0830027	16.5	<0.002	0.30	4.30	17.0	1	0.9	305	0.12	0.15	1.40	0.430	0.20	0.7	160
A0830028	11.1	0.006	0.54	9.99	8.0	<1	0.5	72.2	0.07	0.08	0.24	0.179	0.18	0.3	85
A0830029	18.4	<0.002	0.09	0.81	32.4	1	0.6	330	0.14	0.05	0.52	0.618	0.30	0.5	255
A0830030	1.5	<0.002	0.12	3.97	12.2	1	0.7	131.0	0.05	<0.05	0.24	0.221	0.02	0.5	130
A0830031	18.1	0.040	0.39	0.55	32.9	5	0.6	151.0	0.15	<0.05	0.54	0.642	0.28	0.4	236
A0830032	0.7	<0.002	0.01	6.59	12.8	<1	1.2	182.0	0.06	<0.05	0.21	0.225	0.02	0.4	165
A0830033	12.3	0.002	0.16	7.91	16.3	1	0.9	149.5	0.11	0.26	0.30	0.373	0.19	0.2	183
A0830034	6.0	<0.002	0.01	3.76	26.9	<1	0.8	174.0	0.09	<0.05	0.46	0.481	0.11	0.4	197
A0830035	2.7	<0.002	0.70	1.68	31.7	2	0.8	362	0.12	0.16	0.24	0.575	0.08	0.2	244
A0830036	4.2	0.004	1.31	2.28	25.3	3	1.4	306	0.13	0.22	0.40	0.549	0.13	0.4	198
A0830037	29.7	<0.002	0.02	1.19	18.7	<1	0.9	645	0.25	<0.05	3.17	0.653	0.46	1.0	216
A0830038	0.4	<0.002	<0.01	0.19	0.2	<1	0.5	0.9	0.06	<0.05	0.66	0.031	<0.02	0.2	3
A0830039	1.4	0.006	0.26	0.68	25.0	2	1.1	214	0.15	<0.05	0.54	0.480	0.06	0.6	195
A0830040	15.1	<0.002	0.08	0.46	8.6	1	0.3	34.2	<0.05	<0.05	0.37	0.112	0.19	0.2	111

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

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
A0830001		0.4	1.7	5	13.2	0.002
A0830002		0.6	6.9	27	31.2	<0.001
A0830003		0.2	5.6	26	9.4	0.001
A0830004		0.2	7.1	17	15.0	<0.001
A0830005		0.5	16.6	60	7.8	0.022
A0830006		0.7	30.1	84	14.7	0.002
A0830007		0.4	14.9	36	19.6	0.017
A0830008		0.3	19.4	36	23.9	0.001
A0830009		1.0	23.7	64	36.4	0.220
A0830010		0.2	0.7	2	8.1	<0.001
A0830011		0.5	24.8	101	18.7	0.027
A0830012		0.3	20.4	90	5.1	0.004
A0830013		0.4	21.5	86	4.5	0.007
A0830014		0.4	20.9	108	8.4	0.111
A0830015		0.3	29.5	124	4.3	0.002
A0830016		0.4	22.1	76	9.0	<0.001
A0830017		0.2	11.5	73	2.4	0.016
A0830018		0.5	27.4	54	3.8	0.012
A0830019		0.3	21.5	95	8.8	0.026
A0830020		0.2	18.7	95	3.7	0.580
A0830021		0.5	19.1	84	11.2	0.010
A0830022		1.2	27.0	66	11.9	0.012
A0830023		0.8	0.3	<2	2.9	0.001
A0830024		1.3	27.8	68	4.7	0.007
A0830025		0.8	23.8	96	5.7	0.003
A0830026		0.5	38.0	92	30.5	0.006
A0830027		0.8	13.7	120	33.7	0.004
A0830028		0.5	11.5	43	12.5	0.008
A0830029		0.5	18.6	112	2.3	0.010
A0830030		0.2	11.8	115	1.1	0.011
A0830031		0.5	16.6	97	2.2	0.003
A0830032		0.2	15.6	71	9.4	0.001
A0830033		0.6	16.3	129	10.2	0.082
A0830034		0.4	20.7	93	7.7	0.001
A0830035		0.4	17.3	95	3.1	0.003
A0830036		0.4	20.5	86	5.2	0.005
A0830037		0.6	10.4	145	46.5	0.003
A0830038		0.2	0.6	3	8.6	0.004
A0830039		0.5	22.1	128	4.5	<0.001
A0830040		0.2	5.6	85	4.0	0.008

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
A0830041		1.00	0.16	7.60	6.2	300	0.43	0.43	5.83	0.18	21.9	8.7	9	1.30	42.0	5.35
A0830042		0.61	0.06	8.23	6.2	50	0.68	0.05	5.05	0.15	12.10	25.4	7	1.02	58.4	7.17
A0830043		1.10	0.18	7.00	17.5	530	0.24	0.35	6.09	0.12	6.54	18.8	11	1.01	210	6.00
A0830051		0.65	0.09	8.24	21.5	320	0.66	0.59	1.74	0.16	16.00	16.1	7	0.88	35.3	5.69
A0830052		0.85	0.06	2.61	17.1	170	0.29	0.43	0.13	0.03	8.81	2.2	12	0.87	18.6	3.12
A0830053		0.88	0.04	7.34	6.8	310	0.51	0.01	5.95	0.12	17.85	14.3	7	2.58	39.2	4.59
A0830054		0.78	0.08	8.85	10.5	250	0.74	<0.01	2.33	0.04	15.20	9.8	8	1.98	80.3	4.98
A0830055		0.69	0.04	7.73	16.0	140	0.51	0.01	3.21	0.10	16.60	13.1	6	2.72	28.2	4.65
A0830056		0.84	0.03	6.98	13.5	240	0.45	0.01	4.06	0.14	14.10	12.2	5	2.87	38.0	4.28
A0830057		1.35	0.06	7.93	28.5	310	0.59	0.63	2.26	0.21	14.25	15.5	5	5.12	36.7	6.02
A0830058		1.31	0.06	7.74	18.5	210	0.54	0.02	4.44	0.18	16.45	4.9	10	0.41	11.9	4.55
A0830059		1.29	0.06	5.55	6.3	220	0.46	0.02	1.66	0.08	12.45	9.1	23	0.36	82.3	3.50
A0830060		0.90	1.97	8.33	14.5	340	0.27	0.07	8.61	0.26	4.34	11.2	13	1.45	1270	4.93
A0830061		1.44	0.05	8.22	29.4	310	0.39	0.17	9.71	0.14	9.53	22.7	44	3.06	164.5	6.78
A0830062		1.33	0.38	8.84	17.7	60	0.21	0.19	11.80	0.18	8.75	17.6	16	0.24	284	7.02
A0830063		0.02	0.88	7.37	6.8	470	2.41	13.50	0.49	0.23	83.9	19.5	77	7.03	2150	5.50
A0830064		1.04	0.14	8.84	7.6	140	0.70	0.06	4.62	0.17	21.5	13.9	7	0.99	36.3	5.36
A0830065		1.12	3.52	8.05	2.1	460	0.52	0.02	2.07	0.42	6.38	8.7	12	1.83	1135	5.40
A0830066		1.18	3.27	7.44	3.1	200	0.39	0.03	5.35	0.90	12.20	16.6	17	2.76	1525	6.01
A0830067		1.50	0.17	7.48	6.2	210	0.50	0.12	3.84	0.11	14.35	19.4	12	3.43	55.3	5.55
A0830068		1.28	0.26	8.07	36.3	550	0.54	0.04	1.71	0.66	8.69	18.0	7	3.19	131.5	5.83
A0830069		0.98	0.10	7.88	5.7	490	0.63	0.02	2.88	0.16	9.93	16.0	10	3.17	93.0	5.79
A0830070		1.19	0.26	7.59	22.4	320	0.35	0.13	5.49	0.40	14.90	31.9	13	4.36	162.5	6.28
A0830071		0.97	0.02	2.38	1.6	70	0.13	0.01	0.91	0.04	2.15	4.6	41	0.82	34.8	1.75
A0830072		0.92	0.10	9.68	4.5	420	0.57	0.02	3.08	0.12	12.60	21.8	8	2.04	40.8	5.32
A0830073		0.81	0.10	8.45	5.4	200	0.51	0.14	2.09	0.04	11.65	16.2	6	1.73	42.6	6.14
A0830074		0.95	0.13	8.82	5.5	180	0.57	1.02	3.97	0.13	11.40	21.6	7	1.49	103.5	6.53
A0830075		1.23	0.33	9.60	13.4	1120	0.72	0.42	0.16	0.02	5.57	17.1	5	2.26	67.1	5.23
A0830076		1.23	0.07	8.47	4.6	260	0.40	0.22	1.75	0.09	14.70	22.7	13	3.18	110.5	11.55
A0830077		1.00	0.06	7.50	7.6	150	0.12	0.64	0.17	0.02	13.85	11.9	25	0.49	11.3	4.91
A0830078		1.03	0.10	9.45	4.8	710	0.65	0.18	1.75	0.04	12.35	25.8	16	0.93	115.5	5.93
A0830079		1.10	0.01	0.21	5.7	10	0.05	0.78	0.05	0.02	0.94	0.4	35	0.05	68.6	6.88
A0830080		0.81	0.19	5.84	3.4	50	0.54	0.03	2.96	0.13	8.42	13.0	39	0.74	154.0	3.18
A0830081		0.89	0.01	2.16	2.0	20	<0.05	0.08	0.04	<0.02	2.01	0.4	53	0.09	3.9	1.52
A0830082		<0.02	1.61	7.72	7.7	490	2.52	9.60	0.51	0.28	90.2	20.8	82	7.65	2230	5.77
A0830083		0.88	0.09	0.20	1.2	10	<0.05	0.01	0.09	0.03	0.15	2.3	44	0.59	99.1	1.08
A0830084		1.08	0.09	0.30	4.1	20	<0.05	0.01	0.12	0.06	0.46	6.3	75	0.17	44.9	1.24
A0830085		0.96	0.12	8.50	5.5	210	0.61	0.05	3.80	0.11	13.80	16.1	8	3.35	18.1	6.15
A0830086		1.00	0.02	0.08	1.1	10	<0.05	0.11	0.02	<0.02	0.07	10.3	49	<0.05	1.7	2.81
A0830101		0.66	0.01	8.33	2.2	110	0.51	0.03	1.34	0.02	11.35	20.6	23	3.58	31.6	5.30

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
A0830041		20.3	0.08	0.5	0.100	0.54	7.5	5.7	1.33	2000	1.44	2.02	3.3	2.1	740	11.2
A0830042		23.1	0.07	0.2	0.073	0.17	4.0	14.6	2.53	1940	0.71	1.14	2.4	5.6	870	6.0
A0830043		22.5	0.06	0.9	0.106	0.80	1.8	7.3	0.12	730	3.91	1.89	2.0	5.0	660	9.4
A0830051		16.15	0.07	1.4	0.066	0.60	5.4	14.5	1.07	635	1.17	2.03	2.3	2.8	500	18.9
A0830052		6.78	<0.05	0.8	0.094	0.54	3.4	4.3	0.11	99	9.04	0.24	1.8	1.2	170	12.7
A0830053		15.80	0.07	0.8	0.052	0.90	7.7	16.0	1.47	1330	1.63	1.03	2.3	3.3	510	3.7
A0830054		18.60	0.05	1.3	0.061	0.57	5.8	12.2	0.89	413	2.32	2.08	2.9	2.7	610	4.9
A0830055		15.90	0.07	0.9	0.048	0.32	6.2	19.6	1.87	1070	1.59	2.62	2.3	2.9	500	3.3
A0830056		14.75	0.06	0.8	0.050	0.68	5.3	17.1	1.82	564	1.59	0.63	2.1	2.7	480	3.6
A0830057		18.50	0.08	0.6	0.076	2.10	5.0	10.3	1.69	867	1.09	0.33	2.0	2.9	650	7.6
A0830058		18.55	0.07	1.3	0.045	0.65	5.9	4.7	1.18	1020	1.98	2.30	2.8	2.3	490	7.1
A0830059		10.70	<0.05	1.0	0.037	0.35	4.7	7.9	1.05	781	1.76	2.14	1.7	2.4	340	3.1
A0830060		22.7	0.18	0.6	0.095	0.91	1.5	5.1	0.67	1400	1.14	1.07	1.0	3.3	330	4.6
A0830061		16.95	0.14	0.7	0.136	0.73	4.0	9.1	1.81	1860	1.49	0.45	1.5	9.2	560	3.5
A0830062		26.3	0.11	0.6	0.174	0.14	3.7	2.8	1.32	2610	1.07	0.57	1.0	5.3	340	4.3
A0830063		19.10	0.19	3.9	0.312	2.60	42.9	29.4	1.53	820	0.67	0.44	15.1	35.7	670	61.3
A0830064		17.95	0.19	0.3	0.050	0.28	8.8	9.2	1.52	1180	1.93	3.05	2.3	2.6	880	10.4
A0830065		19.00	0.12	0.2	0.182	1.07	2.1	39.0	2.46	1360	1.82	1.84	1.9	3.8	540	9.8
A0830066		17.05	0.13	0.2	0.141	0.74	4.4	15.2	2.51	2150	1.48	1.02	1.6	4.1	520	6.6
A0830067		16.55	0.15	0.2	0.061	0.97	5.7	18.3	1.45	1320	3.16	2.38	2.2	2.6	740	14.0
A0830068		17.45	0.13	0.2	0.067	1.88	2.8	37.2	2.42	1300	2.23	1.14	0.7	2.3	570	150.0
A0830069		16.85	0.14	0.3	0.058	0.92	3.6	26.6	2.32	1700	1.71	1.39	1.8	2.8	530	13.1
A0830070		17.25	0.14	0.7	0.059	0.49	5.8	10.0	1.72	1980	3.32	0.73	1.8	4.3	560	25.4
A0830071		4.07	0.09	<0.1	0.010	0.19	0.8	4.2	0.33	215	4.48	0.66	0.3	2.5	110	2.6
A0830072		19.60	0.15	0.1	0.057	1.33	4.5	17.4	1.11	506	0.83	2.22	1.8	3.9	710	7.1
A0830073		18.35	0.15	0.1	0.106	1.17	4.3	33.5	1.72	681	2.87	1.51	1.0	3.4	410	11.6
A0830074		19.45	0.16	0.1	0.106	0.31	4.0	21.7	2.52	1050	1.99	1.73	2.2	3.7	820	9.0
A0830075		21.8	0.14	0.1	0.117	3.33	1.8	24.8	1.44	484	1.70	0.53	0.7	4.4	150	16.4
A0830076		18.00	0.15	<0.1	0.112	0.57	5.3	54.0	2.29	1200	1.59	0.49	1.4	8.6	850	4.8
A0830077		13.50	0.11	0.1	0.028	0.37	5.2	7.9	0.04	85	1.85	0.15	1.1	6.0	40	2.5
A0830078		20.5	0.15	0.1	0.168	1.51	4.2	20.1	1.94	736	2.78	1.66	1.8	8.1	470	7.5
A0830079		2.77	0.10	0.2	0.054	0.01	<0.5	0.5	0.01	82	32.3	0.01	2.1	1.5	840	0.8
A0830080		10.10	0.11	<0.1	0.056	0.15	3.2	8.8	0.86	702	2.86	1.00	1.3	6.9	450	4.5
A0830081		3.61	0.07	0.2	0.005	0.03	0.9	2.3	0.08	105	4.31	0.07	0.2	2.5	120	0.5
A0830082		20.7	0.17	4.2	0.322	2.72	45.8	32.4	1.61	860	0.79	0.46	16.3	39.3	710	65.6
A0830083		0.69	0.06	<0.1	<0.005	0.03	<0.5	0.8	0.04	151	3.16	0.01	<0.1	1.9	10	0.6
A0830084		0.75	<0.05	<0.1	<0.005	0.03	<0.5	1.1	0.07	152	5.51	0.06	0.2	2.2	70	0.8
A0830085		16.15	0.15	0.5	0.055	0.55	4.8	12.7	1.77	873	1.33	3.32	2.4	3.7	760	8.0
A0830086		0.34	0.06	<0.1	<0.005	0.01	<0.5	1.6	0.02	104	3.51	0.03	0.1	2.1	10	<0.5
A0830101		21.6	0.11	0.1	0.021	0.83	4.3	40.1	1.13	669	1.58	0.62	1.8	5.3	450	2.7

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
A0830041		11.1	<0.002	0.14	4.59	17.8	1	1.3	261	0.23	0.09	0.88	0.440	0.16	0.9	128
A0830042		4.9	<0.002	0.28	1.38	20.9	1	0.8	78.1	0.14	<0.05	0.34	0.659	0.12	0.2	189
A0830043		9.5	0.005	2.45	3.90	19.3	5	1.6	195.5	0.14	0.42	0.29	0.689	0.24	0.3	242
A0830051		13.3	0.003	2.16	1.98	17.4	1	1.7	219	0.17	0.10	0.59	0.392	0.26	0.5	136
A0830052		12.6	<0.002	0.02	2.16	4.3	<1	3.7	83.8	0.13	<0.05	0.43	0.268	0.24	0.4	43
A0830053		21.4	<0.002	2.75	0.80	16.2	1	0.6	173.0	0.17	<0.05	0.48	0.359	0.19	0.5	118
A0830054		13.0	<0.002	3.01	1.35	17.9	<1	0.9	256	0.21	<0.05	0.64	0.425	0.11	0.6	134
A0830055		6.3	<0.002	4.08	1.87	15.3	1	0.7	230	0.17	<0.05	0.48	0.361	0.06	0.5	124
A0830056		15.0	0.002	3.70	1.89	14.0	1	0.8	105.5	0.14	<0.05	0.48	0.334	0.17	0.5	111
A0830057		49.7	<0.002	5.45	2.46	15.4	4	1.0	51.4	0.13	0.47	0.30	0.326	1.12	0.2	147
A0830058		13.4	<0.002	1.34	2.25	18.0	<1	0.8	245	0.21	<0.05	0.69	0.407	0.10	0.7	139
A0830059		6.8	<0.002	0.01	1.09	11.1	<1	0.7	178.5	0.12	<0.05	0.52	0.254	0.05	0.5	82
A0830060		8.0	<0.002	0.06	11.20	12.5	1	0.8	225	0.07	0.05	0.18	0.270	0.20	0.2	100
A0830061		21.6	<0.002	<0.01	10.15	31.8	<1	0.6	113.5	0.10	<0.05	0.31	0.477	0.21	0.4	244
A0830062		1.9	<0.002	0.06	23.8	18.7	1	0.8	215	0.06	<0.05	0.23	0.330	0.03	0.2	140
A0830063		159.0	<0.002	0.38	1.50	12.8	3	9.4	56.2	1.17	<0.05	17.60	0.415	0.88	3.2	89
A0830064		5.0	0.004	0.86	2.88	15.0	3	1.0	370	0.17	0.33	0.50	0.438	0.12	0.3	117
A0830065		9.1	<0.002	0.13	0.56	23.4	1	1.2	143.5	0.13	0.21	0.29	0.491	0.36	0.2	194
A0830066		11.0	<0.002	0.24	1.97	24.6	2	1.5	122.0	0.11	0.11	0.34	0.457	0.37	0.3	180
A0830067		21.5	0.009	0.78	2.67	13.2	2	1.3	232	0.14	0.22	0.53	0.391	0.45	0.3	112
A0830068		21.1	<0.002	2.43	1.88	27.1	2	0.6	108.0	0.05	0.18	0.38	0.272	0.51	0.2	190
A0830069		14.1	0.002	0.85	0.65	26.2	1	0.7	127.0	0.12	0.20	0.45	0.495	0.40	0.2	189
A0830070		11.6	0.007	3.23	3.78	21.9	4	0.9	90.1	0.12	0.29	0.53	0.458	0.19	0.5	161
A0830071		4.3	<0.002	0.01	0.53	6.3	<1	0.2	65.7	<0.05	<0.05	0.08	0.109	0.11	<0.1	69
A0830072		18.3	<0.002	2.43	1.44	26.2	3	1.2	136.0	0.13	<0.05	0.36	0.561	0.68	0.1	199
A0830073		21.6	0.009	4.40	1.83	21.4	7	1.5	176.5	0.07	1.35	0.33	0.240	1.05	0.1	128
A0830074		3.4	0.004	2.39	1.11	28.1	8	0.8	288	0.14	0.56	0.42	0.567	0.53	0.3	207
A0830075		69.0	0.002	2.79	1.23	31.5	4	0.8	116.0	0.05	0.38	0.29	0.241	2.09	0.2	233
A0830076		9.8	0.004	5.77	0.70	28.4	9	1.0	121.5	0.09	2.32	0.42	0.301	0.83	0.2	197
A0830077		6.8	0.004	4.68	1.97	25.3	8	0.6	19.0	0.07	0.49	0.42	0.253	0.31	0.2	156
A0830078		15.8	0.046	1.90	0.79	36.1	4	1.7	165.0	0.14	0.67	0.65	0.446	0.38	0.4	275
A0830079		0.2	0.591	0.12	1.68	3.4	20	1.4	4.3	0.13	4.57	0.98	0.558	<0.02	0.3	43
A0830080		5.6	0.021	0.15	0.67	16.2	1	0.7	110.0	0.09	0.06	0.34	0.324	0.21	0.2	107
A0830081		0.6	0.002	0.01	0.62	6.9	6	<0.2	11.9	<0.05	0.52	0.10	0.043	0.02	<0.1	77
A0830082		172.0	<0.002	0.40	1.40	13.9	4	10.4	60.6	1.21	<0.05	18.20	0.432	0.91	3.3	94
A0830083		0.8	<0.002	0.08	0.42	0.4	<1	<0.2	4.7	<0.05	<0.05	0.02	0.006	<0.02	<0.1	5
A0830084		0.7	<0.002	0.05	0.39	1.2	1	<0.2	4.4	<0.05	<0.05	0.04	0.032	<0.02	<0.1	9
A0830085		8.0	<0.002	3.05	1.48	25.8	2	0.7	239	0.16	0.49	0.47	0.507	0.15	0.4	194
A0830086		0.3	0.002	2.13	0.52	0.2	4	<0.2	1.7	<0.05	0.13	0.01	0.006	<0.02	<0.1	2
A0830101		43.2	<0.002	0.02	0.79	14.8	<1	0.3	176.0	0.12	<0.05	0.64	0.342	0.38	0.2	211

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To: **ETHOS GOLD**
SUITE 1430 - 800 WEST PENDER STREET
VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
Account: GOLETH

Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
A0830041		0.8	30.7	133	9.2	0.002
A0830042		0.7	19.7	93	2.6	0.011
A0830043		1.5	12.7	37	28.3	0.005
A0830051		0.6	17.7	97	37.8	0.002
A0830052		0.5	6.9	13	32.0	0.003
A0830053		0.5	30.3	46	25.6	<0.001
A0830054		0.9	20.3	78	39.3	<0.001
A0830055		0.5	19.3	83	29.6	0.002
A0830056		0.6	11.7	24	21.2	<0.001
A0830057		0.5	14.6	58	20.9	0.006
A0830058		0.6	20.6	55	36.0	<0.001
A0830059		0.5	15.4	61	31.4	<0.001
A0830060		0.4	9.4	35	14.0	0.105
A0830061		0.4	19.3	69	16.2	0.007
A0830062		0.2	15.5	41	15.3	0.055
A0830063		4.1	27.5	265	123.5	0.038
A0830064		0.3	24.9	146	4.0	0.004
A0830065		0.4	8.7	173	5.8	0.190
A0830066		0.4	31.9	158	5.6	0.306
A0830067		0.4	20.9	101	4.2	0.004
A0830068		0.3	13.2	769	7.2	0.020
A0830069		0.4	14.3	106	8.4	0.003
A0830070		0.6	23.0	157	14.4	0.032
A0830071		0.1	3.1	25	1.5	<0.001
A0830072		0.4	11.1	62	1.1	0.003
A0830073		0.1	7.3	73	1.3	0.005
A0830074		0.2	18.0	90	3.5	0.006
A0830075		0.9	3.7	124	3.6	0.026
A0830076		0.1	9.1	153	1.6	0.003
A0830077		0.3	7.0	4	3.1	0.001
A0830078		1.1	6.9	54	2.7	0.005
A0830079		0.5	1.1	4	3.9	0.001
A0830080		0.2	12.1	47	0.8	0.014
A0830081		0.4	0.4	5	3.2	<0.001
A0830082		4.3	29.6	276	138.0	0.033
A0830083		<0.1	0.4	4	<0.5	<0.001
A0830084		0.1	1.6	6	1.2	0.002
A0830085		0.3	25.4	68	15.2	0.004
A0830086		0.1	0.1	<2	<0.5	0.014
A0830101		0.4	6.2	43	3.0	<0.001

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VANCOUVER BC V6C 2V6

Finalized Date: 8-NOV-2020
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Project: Perk

CERTIFICATE OF ANALYSIS KL20211330

Sample Description	Method	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
A0830102		1.04	0.11	9.41	3.2	370	0.84	0.04	3.30	0.07	10.55	21.2	9	1.41	96.6	4.84
A0830103		1.06	0.09	8.02	4.0	290	0.49	0.05	5.05	0.11	12.90	12.9	12	2.72	42.1	4.99
A0830104		1.58	0.77	5.09	>10000	1100	0.58	0.25	0.04	<0.02	21.8	0.3	19	1.04	377	2.36
B498501		0.83	1.11	6.26	95.5	70	0.22	0.06	3.04	0.23	9.20	20.6	20	0.19	836	6.18
B498502		0.49	0.01	8.27	33.1	130	0.45	0.01	3.46	0.07	7.09	17.0	13	0.53	6.2	6.41
B498503		0.60	0.06	9.29	34.4	370	0.60	0.10	1.41	<0.02	4.75	0.3	7	4.40	27.2	5.98
B498504		0.80	0.04	9.14	15.3	220	0.55	0.06	4.11	0.04	14.25	10.5	10	0.84	36.4	5.34
B498505		0.85	0.04	8.43	27.0	320	0.70	0.01	2.51	0.05	19.45	9.4	7	1.31	52.6	5.22

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
A0830102		20.0	0.15	0.3	0.065	1.00	3.4	22.0	1.72	1260	0.88	1.30	2.6	7.3	730	11.0
A0830103		17.45	0.14	0.3	0.051	0.83	4.8	15.2	1.78	1410	1.30	1.17	2.1	3.5	590	11.6
A0830104		14.00	0.14	0.6	0.054	2.22	10.2	4.5	0.14	85	1.85	0.55	1.8	1.1	210	1.7
B498501		15.95	0.13	0.4	0.069	0.10	3.3	23.5	2.03	1300	1.10	0.86	0.5	7.1	580	4.8
B498502		14.20	0.14	0.3	0.041	0.19	2.5	18.9	1.65	1040	0.44	3.84	0.5	7.6	900	1.6
B498503		19.80	0.12	0.7	0.239	1.09	1.9	22.8	0.55	158	3.51	0.66	2.0	0.7	330	9.0
B498504		18.20	0.13	0.6	0.035	0.44	5.2	15.1	1.32	683	1.17	1.06	2.5	2.9	850	3.8
B498505		16.95	0.17	1.3	0.065	0.60	7.1	6.8	1.65	888	1.19	2.75	3.5	2.9	780	5.1

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
A0830102		14.3	<0.002	0.99	1.12	47.1	1	1.1	197.0	0.20	0.20	0.65	0.576	0.59	0.6	261
A0830103		13.5	<0.002	0.48	1.86	25.0	1	0.8	153.0	0.15	0.07	0.56	0.482	0.44	0.4	169
A0830104		34.4	<0.002	0.20	15.00	0.6	1	2.3	33.7	0.10	1.06	1.19	0.048	0.21	0.3	1
B498501		2.0	<0.002	0.02	3.67	17.0	<1	0.5	311	<0.05	<0.05	0.18	0.176	0.03	0.2	133
B498502		3.1	<0.002	<0.01	1.34	15.4	<1	0.4	444	<0.05	<0.05	0.05	0.342	0.04	<0.1	144
B498503		27.1	<0.002	0.15	2.19	22.1	5	2.1	204	0.14	0.43	0.43	0.462	0.82	0.4	227
B498504		5.2	<0.002	2.04	1.09	26.5	<1	0.9	143.5	0.17	0.05	0.49	0.516	0.21	0.4	197
B498505		9.9	<0.002	0.13	1.92	19.4	1	1.2	264	0.23	<0.05	0.62	0.496	0.12	0.7	130

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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
A0830102		0.3	17.0	87	7.8	0.002
A0830103		0.6	21.9	106	8.8	0.003
A0830104		2.4	3.4	4	11.2	0.496
B498501		0.1	14.2	103	8.9	0.004
B498502		0.2	12.1	77	6.6	<0.001
B498503		0.6	4.5	16	25.2	0.002
B498504		0.5	23.1	52	15.4	0.002
B498505		0.7	28.9	77	39.8	<0.001

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Finalized Date: 8-NOV-2020
Account: GOLETH

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CERTIFICATE OF ANALYSIS KL20211330

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REEs may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, 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-ICP21	ME-MS61

APPENDIX C

Software Used During

Work Program

The following software was used for field mapping, to process data and to prepare this report:

- ArcGIS Pro v2.6 with Geosoft Plugin
- Datamine MapInfo Pro + Discover 2019
- Datamine Discover Mobile
- GIS Pro
- ioGAS 7.0
- Microsoft Excel 365
- Microsoft Word 365

APPENDIX D

Mapping Station Details and

Structures File

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKGD001	360522	5741452		Tuff	andesitic			chl	2	perv	calcite	3	perv			4		One of several Outcrop/subcrops along the slope. Blocky , grey green , medium to coarse grained andesite tuff. 10% 1-3mm plag phenocrysts in a fine grained chl (2) , calcite (3) , hematite (1) altered groundmass. Strong fizz in acid. Rare opaque bull qtz veinlets to 5mm. Outcrop weakly fractured.	GD
20PKGD002	360544	5741396		Tuff	andesitic			chl	2	perv	hematite	2						A 2-3m thick blocky outcrop of matrix supported clastic andesite tuff bearing 5-30mm sized angular fragments. Weakly foliated at 061/15 SE. Weakly altered to chl (2), and hematite (2). Weakly limonitic on weathered surfaces but no visible sulphides. There is a definitive weak shear fabric visible in most outcrop in the area that conforms with the NW regional thrust faulting.	GD
20PKGD003	360474	5741330		Tuff	andesitic			chl	1	perv	Qtz	3	vnlts					Blocky andesite tuff, outcrop/subcrop, an abundance of 1-15mm opaque bull qtz veinlets over a 4m section. Veinlets are all oriented 302/80 and are barren of sulphides or other minerals. Tuffs are weakly chloritized (1). Weak fracturing.	GD
20PKGD004	360405	5741320		Tuff	andesitic			chl	2	perv	hematite	2						Blocky andesite tuff in outcrop. Weak foliation 073/28. Medium to coarse grained feldspathic tuff, pervasive weak to moderate chl (2), hematite (1.5), no calcite, non-magnetic, no veining. Just east of this outcrop the andesites are fresher unaltered, maroon to green andesite tuffs.	GD
20PKGD005	360382	5741321		Tuff	andesitic			chl	2	perv	Qtz	2	vnlts			0		Blocky andesite tuff, weak foliation at 074/33. Rare white opaque bull qtz veinlets up to 2cm trending 300/90. Weak pervasive chl (1-2) and hematite (2) alteration of groundmass, no calcite, no veining, no sulphides.	GD
20PKGD006	360304	5741349		hbl plag porph				chl	2	perv	ep	1	perv			0		Blocky hbl andesite porphyry? outcrop. Fine to medium grained, grey-green feldspathic, <10% euhedral plag phenos and 5% <1-2mm, black, euhedral to broken hbl phenocrysts. Massive porphyritic texture.. Weak foliation 062/36. Weak pervasive chl (2), trace ep along fractures (1), no fizz in acid, no sulpides.	GD
20PKGD007	360306	5741365		Tuff	andesitic			chl	1	perv								Discrete 2m x 2m limonitic pod within subcrop of andesite tuff. 2% disseminated py in a fine grained grey/green qtz-feld groundmass. Silicious, Pervasive weak chorite (1-2). No veining. Took an assay sample A0830051	GD
20PKGD008	360273	5741415		Tuff	andesitic			chl	1		hematite	2				1		Gently southeast dipping andesite tuffs, weakly foliated and fissile 040/28, grey-green to maroon, 25% 1-3mm felds, weakly calcareous (2), weak hematite (1-2), chl (1) , no sulph or veining.	GD
20PKGD009	360202	5741435		Tuff	andesitic			chl	1		Qtz	2	vnlts					Blocky grey/green feldspathic andesite tuff. Weak chl (1), hematite (1) alteration of groundmass. Along the ridgetop there are rare to abundant opaque bull qtz veinlets 5-20mm striking 320 subvertical.	GD
20PKGD010	360208	5741414		diorite	sill										3	0		Subcrop and a 2x2m outcrop of diorite dyke or sill, grey/green fine grained, crowded felds and 15% fine grained mafics, moderately magnetic, non calcareous. Difficult to trace but roughly conformable with thrust fault trend at 040/060, estimate 50m strike length by 4m thick.	GD
20PKGD011	360077	5741380		qsp	tuff			sil	3		ser	4		2				A few subcropping QSP alteration pods exposed in hillside through talus. 1-2% py in a strongly serecitized, limonitic-and locally silicious andesite. Pods appear to trend 040/60. Took grab sample of best material A0830052.	GD
20PKGD012	360032	5741345		Tuff	andesitic			chl	1		hematite	1				1		Ridgeline outcrop of blocky feldspathic andesite tuff, weak chl (1), hematite (1), calcite (1), striking roughy 040/60	GD
20PKGD013	359990	5741289		hbl plag porph				chl	1									Orange-brown to buff weathering, blocky, hbl andesite porphyry. Medium grained, 40% 1-3mm plag phenos and 10% elongate 1-2mm black euhedral mafics (hbl), porphyritic texture, similar to station 20PKGD006. Massive texture, orientation not determinable.	GD
20PKGD014	359909	5741276		qsp	tuff			sil	3	perv	ser	4	perv	3				Moderately foliated qtz-ser-py altered andesite tuff, 1-3% disseminated py in a pale grey to bleached white qtz-ser matrix. Abundant lim developed on weathered fractures. Foliation strikes 320/10 parallel to Chromium Ck Ck bed. QSP outcrops are fissile at almost flat lying angles in this area (collapsed overturned block?). Took two samples of the best looking material in terms of py content. A0830053 & 54.	GD
20PKGD015	359799	5741261		Tuff	andesitic			chl	1		hematite	1				0		Andesite tuff in outcrop, blocky, pale orangy-brown weathering. Fine grained feldspathic, weak hematite (1) chl (1) alteration. No sulphides, no fizz in acid, forms 50x50m outcrop SW of station.	GD
20PKGD016	359714	5741248		Tuff	andesitic			chl	1		hematite	1				0		Southwest extents of andesite from station 15, blocky feldspathic andesite tuff, weakly fractured, no veining. Weak chl (1), hematite (1) alteration, no fizz in acid. The unit trends into Chromium Ck with QSP exposed on the south bank	GD
20PKGD017	359746	5741216		Tuff	andesitic	lapilli		chl	1		hematite	1						WSW extension of blocky andesite tuff, some matrix supported clastic tuffs visible, angular fragments up to 5cm. Weakly fractured, orangy brown weathering. 30% subhedral 1-2mm plag phenos and 5% 1-2mm black hbl phenos (porphyry?) in a fine grained qtz-feld groundmass. Weak chl alteration (1), hematite (1). No veining or sulphides.	GD

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKGD018	359825	5741101		Tuff	andesitic	lapilli		chl	1		calcite	1				1		Bedded clastic andesite, S0/S1 105/66, thin poorly exposed subcrop ridge trending 030 up out of the Ck bed (Chromium Ck). Fine grained but for 5% angular 1-10mm clasts or lapilli. Weak chl (1), rare calcite filled fractures. No sulphides. 20m SW along slope there is a contact buried in talus with a linear exposure of sheared QSP continuing onto the other side of Chromium Ck. Rocks are subcropping with several small 2-5m square outcrops emerging through talus. Fissile fabric appears to strike 050 subvertical down into Chromium Ck. Approx 50m x 10m wide. Typical bleache pale white to grey ser altered tuff with limonitic fractures, fissile flakey, traces of finely disseminated py. Bound on both sides by unaltered andesite tuffs	GD
20PKGD019	359941	5741047		qsp	tuff			sil	3		ser	4		5				QSP zones in subcrop/outcrop. Discrete limonitic qtz-ser-py altered andesite tuffs exposed in Chromium Ck bed. Typical buff to white qtz-ser with abundant lim in fractures, some ferricrete developed locally, Up to 5% very fine grained py in a fine grained qtz-ser matrix, no veining. Rocks are fissile and platey. QSP zones are both conformable to the general thrust fault trend (NE-SW strike dipping SE) while some thinner zones appear to be discordant to that and strike 200 degrees.	GD
20PKGD020	359957	5741029		tuff	andesitic			chl	1						0			20m wide ridge of blocky andesite tuff adjacent to QSP zone. Fine grained feldspathic andesite, 20% fine grained sub mm plag phenos in weakly chloritized groundmass. Non-magnetic, no veining, no mafics. Took a photo looking West at some discrete QSP zones poking out of hillside.	GD
20PKGD021	360140	5740997		hbl plag porph				chl	2									Subcrop and talus slope of andesite, fine to medium grained feldspathic hbl andesite porphyry , pervasive weak to moderate chl (2) alteration of groundmass. 2-3% black elongate hbl phenos. No veining or sulphides	GD
20PKGD022	360230	5740920		qsp	schist			sil	3		ser	4		5				Eastward and downstream of this point there is an abundance of QSP boulders coming out of the hillside and QSP outcrop further down hill. 1-5% disseminated py in qtz-ser altered andesite tuffs. Strong lim on surfaces. QSP trends 080 under the talus cover on hillside.	GD
20PKGD023	360315	5740852		qsp	tuff			sil	3		ser	4		5				Within talus there are several small outcrop exposures of strongly limonitic QSP. The zones strike 060/80 SE and continue on the south side of Chromium Ck. 1-5% fine disseminated py in fine grained qtz-ser alteration. No veining. Took a photo 1:26pm looking up Chromium Ck at the QSP zones on south side. Took a subcrop grab sample of best material A0830055.	GD
20PKGD024	360382	5740771		qsp	schist			sil	3		ser	4		3				Grab sample of QSP outcrop in Chromium Ck, 3% dissem py in qtz-ser schist, S1 098/46. Weathered, bleached white clay altn with abundant limonitic fractures, sheared foliated. No veining.	GD
20PKGD025	360556	5740726		qsp	tuff			sil	3		ser	4		5				QSP subcrop on both sides of Chromium Ck, sheared, well foliated, strongly limonitic, 1-5% disseminated py visible in fresher pieces. No veining. Foliation 088/34. On south side of Ck there is more QSP exposed and it appears to be intruded by a flat lying, SE dipping, 3-5m thick microdiorite sill. Photo 3:16pm	GD
20PKGD026	360651	5740717		qsp	tuff			sil	3		ser	4		5				In Chromium Ck bed on south side there is a 10m high exposure of QSP dipping SSE. Took a photo and sample of best material A0830057- 5% disseminated py in qtz-ser altered andesite tuff. Foliated 076/46 SE, QSP exposed up and down both sides of Chromium Ck but it is obscured by trees and vegetation.	GD
20PKGD027	360733	5740735		qsp	schist			sil	3		ser	4		3				QSP, limonitic qtz-ser-py altered andesite tuffs, well foliated 065/50, obscured by trees and vegetation. The QSP continues down the Ck bed for at least 300m East of this station, obscured by vegetation.	GD
20PKGD028	360012	5741238		Tuff	andesitic			chl	2		qtz	1	vnlts	2				Medium grained andesite tuff containing a few poddy 1-2m zones of 1-4% disseminated py with weak chl alteration of groundmass. Limonitic surfaces but not serecitized. Took a grab sample A0830058. No veining but opaque 1-10mm bull qtz veinlets in outcrop 50m to the West.	GD
20PKGD029	359994	5741213		volcanic	andesitic			chl-ep	2		qtz	2	vnlts				mal-cpy	Pale green andesite, weakly chloritized (2), weak blebby ep (1-2). 1-5% veinlets (1-20mm) of opaque massive to druzy bull qtz with rare mm specs of chalcopy +/-mal staining. Found a few other float specimens with veinlets up to 5cm with cp rare specks. The veined zone is mostly subcrop or under talus, estimate a 4m wide zone trending uphill to the NW no more than 20m n strike length.	GD
20PKGD030	360874	5742634		tuff	andesitic													Traversing SW back towards PIN1 area on sidehill. Fresh andesite tuff talus, no alteration, no outcrop.	GD
20PKGD031	360557	5742269		ep-mag-mal float				sil	3		ser	4		3				eastward and downstream of this point there is an abundance of QSP boulders coming out of the hillside and QSP outcrop further down hill. 1-5% disseminated py in qtz-ser altered andesite tuffs. Strong lim on surfaces. QSP trends 080 under th	GD

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKGD032	360468	5742165		volcanic	andesitic			sil	3		ep	2		1		1		Abundant angular talus, silicified fine to medium grained andesite, several fine sub mm ep veinlets or fracture fillings. Traces of disseminated py., weak fizz in HCl, non-magnetic.	GD
20PKGD033	360432	5742134		ep-mag-mal float				ep	4		sil	3			2		mal	Another float boulder of strong ep veining, 2-3% disseminated mag and traces of mal, sample A0830062.	GD
20PKGD034	360320	5742011		microdiorite														Outcrop of microdiorite trending 230/80 along hillside, extents 50m + obscured by talus. Fine grained, blocky, weathers buff	GD
20PKGD035	353376	5740114		volcaniclastic	fgrd			ep-chl	3		qtz	1	vnlts	3				West side, carrying on from where Bob Cann left off. Talus/subcrop with small razor back outcrops forming ridges down the north slope. Very fine grained volcanic, dark grey, 1-3% disseminated py, rare 1-4mm qtz-chl veinlets (hand specimen) and rare ep-chl-py (trace) veinlets up to 5mm. Several veinlets or poddy knots of massive ep and opaque bull qtz veinlets (hand specimen). Tokk grab sample from outcrop of disseminated py in a lim weathered fine grained volcanic, weak chl (2) silicification (2) and 3% py. Coarse chl sample in veinlet. Veinlets trend 115/80 to subvertical.	GD
20PKGD036	353340	5740090		volcaniclastic	fgrd			ep-chl	4		qtz	3	vnlts				mal	Local angular talus Float. Station 20m below ridge on N slope, took a photo of a large local boulder of typical strong ep with numerous bull qtz veinlets, no sulphides. Nearby a local boulder of strongly chloritized (4) fine grained volcanic with several opaque bull qtz veinlets containing rare mm aggregates of py with trace chalcopy and weak mal staining on fractures. A few other float specimens about with trace cp in veinlets or just traces of mal. Took two representative samples A0860065 and A0860066. Hand specimen for terraspec.	GD
20PKGD037	353346	5740097		volcaniclastic	fgrd			chl-mag	4		qtz	2	vnlts	3	3		cpy	10m from last station a 5x10m outcrop of fine grained volcanics with qtz veinlets and up to 5% disseminated to blebby patches of py, trace chalcopy (in veinlets only), pervasive fine mag (5%). Took a grab sample A0830067 and a hand specimen. Veinlets trend 90/45-60 SSW, Strong chl (4). Volcanics are foliated and generally trend 100/46. Talus on the slope represents all the typical rock types, hornfelsed limonitic volcanics,, microdiorites, and fresh intrusive diorite sills. Brought a hand specimen of a fresh qtz-hbl intrusive. Took two grab samples of the hornfelsed volcanics with strong chl-qtz alteration, 5-10% py. A0830068 and A0830069	GD
20PKGD038	353311	5740017		volcaniclastic	fgrd			sil	2	vnlts	chl	2	vnlts	0.5	2			4x10 m outcrop surrounded by subcrop on ridgetop. Fine grained volcanics, well fractured, fractures have fine lim and surfaces weather orange brown. Fine grained grey qtz (2), chl (3) alteration. Pervasivley magnetic with fine mag, trace to 0.5% py as fine disseminations. Weakly to moderately foliated 84/46. A few mm chl/qtz veinlets to 4mm locally but not common. Took a photo and hand specimen.	GD
20PKGD039	353286	5740035		volcaniclastic	fgrd			sil	2	vnlts	chl	3	vnlts	3	2			Variable hornfelsing intensity of volcanics across slope, py generally >1% but up to 5% in some boulders. Grabbed a hand specimen of qtz-chl altered volcanics with 1% py and some mm scale qtz-chl veinlets qtz (2) chl (3). Weakly magnetic with 1-2% fine dissem	GD
20PKGD040	353260	5740034		volcaniclastic	fgrd			sil	3	vnlts	chl	3	vnlts	3				3mx2m subcrop of fresher less hornfelsed fine grained volcanics with moderate qtz (2), chl (3), possibly minor ser (1) alteration and trace disseminated py. Blocky, dominant fracture 055/90. Grey on fresh surfaces with limonitic weathering on fractures. Weak rare fine qtz-chl veinlets. The second hand specimen is from talus immediately adjacent to the subcrop and is strongly limonitic on surfaces and fractures. Qtz-chl (possibly weak ser?) is strong and py content is 3-5% as disseminations. In many pieces the py has weathered out leaving lim and clays. Rare 5-15mm opaque qtz veinlets with coarse porphyroblasts of dark green chl (hand specimen for chl). A few ep veinlets 2-30cm are scatterd about in talus boulders	GD
20PKGD041	353230	5740072		microdiorite														Blocky microdiorite in talus, source is local within 10 meters beneath talus. Orientation indeterminable.	GD
20PKGD042	353215	5740090		volcaniclastic	fgrd			sil	3		chl-ep	3						Small outcrop, silicious moderately chloritized fine grained volcanic weakly foliated 070/42 SSE. More similar outcrop to subcrops exposed through talus along strike on steep slope. Localized strong ep+/- opaque qtz veinlets +/- localized coarse chl aggregates.	GD
20PKGD043	353232	5740101		volcaniclastic	fgrd			sil	3		chl-ep	2		3			cpy	Fine grained qtz-chl +/- ep altered volcanics. 1-5% disseminated py, trace of chalcopy as rare speck, weakly to moderately foliated 98/34. There is a 2m thick microdiorite intruding the volcanics at 110/60. Took a grab assay sample A00830070and hand specimen of stronger sulphides with representative qtz-chl-py veinlets. Veinlets strike 98/34 conformably with foliation.	GD

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20PKGD044	353194	5740080		volcaniclastic	fgrd			biotite	3		qtz-chl	2		0.25	2			Small subcrop 2m x 2m of blocky, grey-green weathering, weakly hornfelsed, weakly limonitic, fine grained qtz (2)- biotite (3)- chl (2) altered volcanic. Trace to 0.25% py as disseminations. Occasional qtz-chl +/- py veinlets up to 2cm. Took a hand specimen with a coarse chl veinlet for analysis. Pervasively magnetic with fine mag.	GD
20PKGD045	353192	5740088		volcaniclastic	fgrd			qtz-chl	3		biotite	2		2				Small outcrop in talus, dark grey fine grained, qtz (3)- biot (2) altered volcanic, 1-3% diss py, local banding or veinlets of opaque qtz/ep +/- chl +/- py alteration forming along foliation planes 094/38	GD
20PKGD046	353158	5740086		volcaniclastic	fgrd			qtz-chl	3		ep	2		0.25				The stronger py abruptly ends at this outcrop on the ridgetop, 10m x 10m. Well fractured, fine grained volcanic, chl (3) qtz (2) altered, traces of disseminated py, weakly foliated 080/56, took a hand specimen. A few chl veinlets, weak lim weathering. Rare veins or boudins up to 50cm of strong ep-opaque qtz alteration. A 2cm qtz-chl veinlet strikes 106/90.	GD
20PKGD047	353122	5740088		volcaniclastic	fgrd			qtz-chl	2					0.25	2			Continuation of outcrop at station 046. Fine grained qtz-chl altered hornfelsed volcanic, weakly foliated 078/17, pervasively magnetic with fine invisible mag. Traces of py, occasional qtz-chl+/- py veinlet (took a hand specimen of best veinlet) . Outcrop ends 50m down the ridge from this station. One bull qtz vein observed striking 126/90, 5cm wide, trace py. Took a grab sample of the vein A0830071, possible traces of yellow-green oxidized aspy.	GD
20PKGD048	353109	5740117		volcaniclastic	fgrd			sil	4		chl	1		8	0			py content increases at this outcrop, fine grained, greyish green, non-magnetic, contains two phases of py, the first is vey fine grained and dusty grey, the second form is the typical shiney coarser disseminated type. Up to 8% py by volume, assay for Au? Very silicious with limonitic rinds and fractures. This increased py unit is at least 20m thick and trends 110 degrees along the north slope (see photo).	GD
20PKGD049	352903	5740135		volcaniclastic	fgrd			ep	2		sil	2		3				2 x 3 m subcrop in talus, silicious fine grained volcanic, weakly foliated 088/39. Up to 10% disseminated py in discrete foliaform bands but generally 1-3%. Took a grab sample of the stronger py A0830073. Faint pinkish mineral as fine grained clots (potassic altn?). Took a hand specimen. Locally variable py/lim content, patchy weak to storng ep +/- opaque qtz +/- coarse chl propylitic alteration. Took two hand specimens, the first a more hornfelsed pyritic piece , the other a fresher less hornfelsed specimen collected 2m apart.	GD
20PKGD050	352853	5740154		volcaniclastic	fgrd			qtz-ep	3		chl	3		2	2			Weakly foliated volcanics 079/38, 20m x 50m (down ridgeline) outcrop of less hornfelsed/pyritized volcanics. Hand specimen. Fine grained, grey-green qta (3)- chlrite (3) alteration. Occasional foliaform ep-opaque qtz veinlets or knots along foliation planes. Discrete bands of stronger py and lim 1-3m thick. Magnetic with very fine invisible mag.	GD
20PKGD051	352804	5740150		qsp	volcaniclastic			sil	3		ser	4		3				A 10m x 2m outcrop of strong qtz-ser-py altered fine grained volcanics, strong lim, well foliated, fissile 087/51. Up to 10% py but generally 1-3%. Strong lim within fractures, took two photos.	GD
20PKGD052	352793	5740169		microdiorite	sill			qtz-chl	2		ep	2						Subcrop of fine grained microdiorite intrusive sill trending 092/60 up the north slope (traceable for at least 50m), estimate thickness 5-8m. 30m downslope there are more large angular boulders of microdiorite indicating another sill in the vicinity under talus cover. A hand specimen of the sill has fine grained equigranular plag-hbl-qtz-biotite. In surrounding hornfelsed volcanic talus there is abundant ep-opaque qtz alteration, occasional to rare qtz-chl-py veinlet up to 2cm (see hand specimen for possible chl sample). Good goat trail for sidehill traverse.	GD
20PKGD053	352766	5740229		volcaniclastic	fgrd			sil	3		chl	3		4				Talus and subcrop of weakly hornfelsed volcanics, occasional poddy limonitic boulders of stronger py. Took two grab samples A0830074 and 075 plus a hand sample of the stronger py just to check for Au. Up to 8% disseminated py in a qtz (3) chl (3) altered, weakly foliated volcanic.	GD
20PKGD054	352723	5740220		microdiorite	dyke										0			20m x 5m ridge line outcrop of microdiorite dyke intruding volcanics, contact 103/50, estimate 3m wide. Approx 50m East there is an easterly trending ridge approximately 30m thick unit of blocky volcanics, relatively fresh, massive, qtz-feld intrusive, see hand specimen, 30% subhedral <1mm white plag phenocrysts in a fine grained qtz/feld groundmass. 10% fine, weakly chloritized dark mafics. Looks like an intrusive sill unit. Non-magnetic, no veining, no sulphides.	GD

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKGD055	352657	5740252		qz feld porph										5	3			Lower contact 091/60 of a fresh unaltered qtz-feld intrusive, this intrusive bounds the south contact of a ridge of very strong lim and variably red colored talus that carries on for 150m before the next intrusive sill contact. Volcanics along the contact are strongly hornfelsed, magnetic, and juiced with up to 5% oxidizing disseminated py.	GD
20PKGD056	352591	5740298		Feld porph	sill													Upper contact 093/60 of a realtively fresh hbl bearing intrusive sill. Took a hand specimen of the pale grey green medium grained feldspathic (60% sub-mm subhedral plag in a pale green fine grained, qtz-feld groundmass, 5% black sub-mm hbl. Trace py, weathers blocky pale green to orange, sill approx 10m thick conformin with regional foliation fabric 090/60. Northern contact is more porphyritic and fresher, took a hand specimen, 25% matrix supported euhedral plag phenos up to 3mm in a fine grained grey-green groundmass, no veining, no sulphides. Took a grab sample of adjacent hornfelsed volcanics with up to 5% py and strong lim. A0830077	GD
20PKGD057	352551	5740344		qsp	sill			sil	2		ser	3		2				Upper contact of another intrusive sill continues down ridge for 50+m to next color anomaly QSP. Hand specimen:weakly chloritized fine grained blocky massive qfp, blocky, massive, some poddy limonit zones within and along contacts. A0830078, grab of best py aolong contact.	GD
20PKGD058	352512	5740369		qsp	sill			sil	2		ser	3		2				Lower contact of intrusive sill/dyke complex with several encorporated slivers of limonitic, hornfelsed volcanics. Took photo of lower hornfelsed volcanic contact 086/34. On the ridge below this station all QSP talus with strong lim.	GD
20PKGD059	352499	5740399		qtz brx float				sil	2		ser	3		1				Grab of local float boulder of opaque qtz breccia and strong lim, run for Au. The talus at this station and down the ridge is a fine grained, sugary white to pale bluish qtz-ser altered volcanic with weak limonitic weathering. Took a representative hand specimen.	GD
20PKGD060	352800	5740215		volcaniclastic	fgrd	hnfl								1				First station of goat trail contour traverse along NW facing slope.	GD
20PKGD061	352816	5740235		feldspathic sill														Upper contact of fresh, medium grained, blocky, feldspathic intrusive sill and limonitic/pyritic hornfelsed volcanics. Contact 102/54. Several subcroppings of same unit extend NW for 50+m along slope. Took photo of contact.	GD
20PKGD062	352859	5740268		volcaniclastic	fgrd			qtz-chl	2	vnlts	chl	2			2			Below sill, scattered subcrops of hornfelsed volcanics. Hand specimen of fine grained chl (2)-qtz (2) altered volcanics with trace py. Pervasively magnetic with fine invisible mag. Weathers grey-green, blocky, no veining, weakly foliated 094/58. Patchy ep +/- opaque qtz veining. nearby a 2m wide fresh intusive dyke striking 024/56	GD
20PKGD063	352888	5740278		feld porph	sill													Upper contact of a feld phyric sill and hornfelsed volcanics, partially obscured by talus. Same unit as station 056.	GD
20PKGD064	352925	5740295		volcaniclastic	fgrd			qtz-ep	2	vnlts							mal-cpy	Upper contact of a feld phyric sill and hornfelsed volcanics, partially obscured by talus. 10m to the northeast there are fine grained volcanics with the typical ep +/- opaque qtz veining. A 2cm opaque qtz veinlet strikes 084/90 and has traces of py, one speck of cpy and a weak mal stain, took a selective grab of the vein A0830080. Volcanics are weakly foliated 084/54, volcanics continue for another 20m then all talus until next station.	GD
20PKGD065	352971	5740341		microdiorite	dyke													Microdiorite intrusive dyke 5m wide trending 135 degrees up the slope. Fine grained felspar phyric, weakly chloritized groundmass. Took a hand sample, 20% sub mm black hbl and 10% black biotite. Followed by several hundred meters of talus, typical dyke/sill intrusives and variably hornfelsed/limonitic volcanics with local ep/bull qtz propylitic alteration.	GD
20PKGD066	352300	5740380		feldspathic sill	sill													Downslope of this station a series of small outcrops and subcrops of a feld phyric intrusive sill approx 40m thick with very limonitic/hornfelsed volcanics above and below it.	GD
20PKGD067	353079	5740426		volcaniclastic	fgrd			sil	2		ser	3						Outcrop of limonitic/hornfelsed volcanic above a sill. Same sugary pale qtz-ser altered volcanic as at station 059 from yesterday. One moderately limonitic, 5cm bull qtz vein trending 350/58, took a grab sample for Au, A0830081. Foliation 080/22. Some deep red ferricrete developed over 3-4m where strongly hornfelsed/pyritic volcanics are exposed rainwater discharge drainages.	GD
20PKGD068	353212	5740497		volcaniclastic	fgrd			sil	2		chl	2		0.25	2			NW ridgetop of variably hornfelsed/limonitic volcanics, took photo of jagged outcrops across slope. Foliation 105/36 to 94/40. Took hand specimen of volcanic, 30% sub mm subhedral plag phenos in a qtz (2)- chl (2-3) altered groundmass. Trace py, magnetic, no veining, limonitic fractures.	GD
20PKGD069	353178	5740523		feldspathic sill	sill			chl	1									NW ridgeline, top contact of a feld phyric, blocky weathering intrusive sill with hornfelsed/limonitic volcanics, contact 112/42.	GD
20PKGD070	353163	5740541		feldspathic sill	sill	mgrd												Lower contact of same sill 074/46, hand specimen. Medium grained qtz-plag phyric, 5% fine mafics, unfoliated, no sulphides.	GD

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKGD071	353145	5740576		diorite	dyke	mgrd												Another fresh unfoliated, blocky, 4m thick diorite dyke intruding hornfelsed/limonitic volcanics. Lower contact 074/46. Hand specimen medium grained qtz-plag phyric, 5% fine mafics, unfoliated, no sulphides.	GD
20PKGD072	353108	5740639		diorite	sill										0			Talus obscured upper contact of another phase of diorite sill, fine grained frey/green, 5% fine mafics, non-magnetic, upper 20m bleached in contact with volcanics.	GD
20PKGD073	353063	5740719		volcaniclastic	sill			chl	1					2				Lower contact of same sill 112/58. Volcanics highly hornfelsed and limonitic along contact.	GD
20PKGD074	352878	5740842		volcaniclastic	fgrd			chl	1					2	1			Hornfelsed/pyritic volcanics, very limonitic, intruded by several narrow dykes and sills, patchy magnetism, foliation 082/40	GD
20PKGD075	354758	5739683		volcaniclastic	fgrd			chl	1		qtz	1	vnlts		2			Weakly foliated, weakly hornfelsed, magnetic, grey volcanic, foliation 67/36. Rare bull qtz veinlets to 2cm.	GD
20PKGD076	354766	5739672		volcaniclastic	fgrd			chl	1	vnlts	qtz	1	vnlts					8cm wide bull qtz vein striking 105/90, minor chl and traces of lim. Host rock is the same foliated volcanic as the first station. Rare ep +/- bull qtz+/- chl veinlets up to 1cm, no sulphides.	GD
20PKGD077	354693	5739600		qtz vein	vein			chl	1	selv	qtz	4	vn	0.25	2			At bottom end of the same outcrop towards gully bottom, a bull qtz vein blows out to 1.5m wide over a 5m strike length before pinching out just centimeters wide, trace py. Several veinlets around blowout. Took a grab sample to run for Au. A0830084. chl/mag selvages, striking 102/90.	GD
20PKGD078	354720	5739591		volcaniclastic	fgrd													Bottom end of same outcrop, structural measurements, ep/bull qtz veining 030/90, bull qtz veinlet 95/90.	GD
20PKGD079	354742	5739598		volcaniclastic	fgrd										0			Same outcrop again, took a grab sample A0830085 of a very limonitic/pyritized lense within the outcrop. Fine grained, 5% py disseminated, not magnetic. Weak foliation 100/42	GD
20PKGD080	354795	5739521		qsp	schist			sil	3	perv	ser	3	perv	2				Small outcrop in gully, limonitic, platy qtz-ser-py schist, sheared striking 280/85. Took photo with hammer at bottom.	GD
20PKGD081	354637	5739412		volcaniclastic	fgrd			qtz-ep	1	vnlts								Outcrop of hornfelsed volcanic right in valley bottom, good flow of water here for drilling if needed. Rare ep +/- bull qtz veining or patchy alteration. Elevation 2340m. S1 072/56.	GD
20PKGD082	354571	5739383		volcaniclastic	fgrd			chl	1					0.25	1			More hornfelsed fine grained weakly foliated volcanics, abundant 2-5m thick beds of ferricrete line the drainage and cover outcrops in the wash. S1 076/36. magnetic trace py.	GD
20PKGD083	354517	5739343		qtz vein	vein			Qtz	1	vn				5				Bull qtz vein 5-10 cm wide striking 350/80, 5% coarse white py as disseminations and aggregates. Host lith f.g. volcaniclastics. Grab sample A0830086.	GD
20PKGD084	354502	5739309		volcaniclastic	fgrd			qtz-ep	1	vnlts								Fine grained volcanics on both sides of Ck, blocky, rare weak ep/qtz veining. Foliation 086/44	GD
20PKGD085	354472	5739260		volcaniclastic	fgrd			chl	1					1				Weakly foliated fine grain volcanics 074/45, intruded by several conformable fine grained intrusive sills. Overlain by several meter thick blankets of ferricrete. Hornfelsing and py oxidizing to lim along contacts. To the south 10's of meters on the other side of the drainage a large inaccessible outcrop of fine grained diorite sill with hornfelsed volcanic contacts obscured by talus.	GD
20PKGD086	354300	5739056		Intrusive	fgrd	sill		sil	1		ep	1		1				Outcrop in drainage on south side, blocky fine grained intrusive, same unit as last station but other side of Ck, S1 065/50, a few rare qtz/ep knots.	GD
20PKGD087	354147	5738946		qsp	schist			sil	3		ser	4		3				From this station westward for hundreds of meters there is an exposed shear zone of limonitic weathered, strongly foliated, qtz-ser-py. This continues down into the tree line and across the bottom valley. S1 070/55.	GD
20PKRC001	354182.21	5740522.44	2401.85596	volcaniciclastic	FOL!	HFLD	GREN							1	4	0		weakly foliated and tuff wi poor clasts to 15 cm	RMC
20PKRC002	354114.61	5740469.34	2371.61768	schist	FOL!		RED1	PHYL	4	PERV				2	0	0		str sheared seric schist. Red-brn clr. s/c 20 m wide.	RMC
20PKRC003	354111.32	5740456.21	2335.54541	volcaniciclastic	HFLD		GREN	CHLR	3	VNLT				1	4			py stringers wi cl. v str hfld xstal tf?	RMC
20PKRC004	353995.33	5740360.62	2341.03247	volcaniciclastic	HFLD		GREN	MAGN		PERV				1	4	0		str mag hfls wi py stringers. next to 19mlt030	RMC
20PKRC005	353949.07	5740336.51	2341.35474	microdiorite	FRSH		WHTE	SILC	1	STWK				0.5	1	0		pale microdior wi local irreg drusy qz stckwk. A08030101	RMC
20PKRC006	353895.43	5740295.93	2325.71314	microdiorite	FRSH		WHTE							0	1	0		blocky, fresh microdior. local wk cl on fract.	RMC
20PKRC007	353865.14	5740280.83	2335.5625	microdiorite	FRSH		WHTE							0	1	0		Blocky, pinkish microdior.	RMC
20PKRC008	353791.87	5740270.9	0	microdiorite	FGRD		GREY	CHLR	3	VNLT				1	3	0		Blocky microdior. more mag and color-perhaps close to contact .	RMC
20PKRC009	353776.84	5740241.73	0	microdiorite	FRSH		WHTE							0	0	0		Fresh, blocky microdior again . perhaps more px (5%)?	RMC
20PKRC010	353709.67	5740222.7	2374.62451	microdiorite	FRSH		WHTE							0	1	0		Blocky otc microdior	RMC
20PKRC011	353696.81	5740214.59	2346.69898	volcanic	HFLD		GREY	CHLR	1	VNLT				0	3	0		Hfld volc -poss xstl tf. wk cl on fract.	RMC
20PKRC012	353674.49	5740195.68	2354.72168	volcanic	HFLD		GREY	CHLR	1	VNLT				0	3	0		Hfld flow or xstl tf?	RMC
20PKRC013	353650.19	5740197.7	2357.73682	diabase	DYKE		GREN							0	1	0		2 m thick diab dyke. Trend approx 160/60	RMC
20PKRC014	353627.79	5740189.31	2347.35742	volcanic	HFLD		GREN	CHLR	3	VNLT				0	3	0		minor drusy qz vnlts	RMC
20PKRC015	353572.12	5740174.24	2359.03247	schist	FOL!		RED1	OTHR	4	PERV				1	0			West side of 35m wide white-red qsp	RMC
20PKRC016	353538.09	5740165.01	2368.99023	volcanic	HFLD		GREY	CHLR	1	VNLT				0	3	0		Hfld volc with narrow 2 m microdior dyke. mostly rubbly otc.	RMC
20PKRC017	353451	5740134.26	2368.271	volcanic	HFLD	FOL!	GREN	CHLR	3	VNLT	SILC	3	PTCH	1	1	0		Wkly foliated hfld volc near microdior dyke. A08030102	RMC

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKRC018	353393.87	5740123.21	2365.77051	volcaniciclastic	XSTL		GREY	SILC	1	VNLT	CHLR	3	ENVL	1	1			Xstal tuff or intrus? Crowded fl xstals in chloritic matrix. A08030103	RMC
20PKRC019	353330.84	5740015.97	2354.90747	TUFF	XSTL	HFLD	GREY	CHLR		PTCH				0	3	0		similar to last sta wi only very minor qz vns. varies from xstal to ashy tf and variably hflsd.	RMC
20PKRC020	356686.55	5740840.08	0	volcaniciclastic	BRXX		GREN	EPID	1	VEIN				0	0	0		Massive cse volc brxx	RMC
20PKRC021	356650.73	5740832.72	2301.6543	volcaniciclastic	ASH!		MRRN							0	0	0		Fresh, ashy marroon tf apparently sitting above greenish volc brxx	RMC
20PKRC022	356617.85	5740842.46	2323.15698	microdiorite			GREY	EPID	1	VNLT				0	1	0		dyke at west end otc about 10 m wide . Scattered qtz-ep vnlts to 1	RMC
20PKRC023	356661.48	5740818.24	2298.50903	volcanic	FOL!	HYDR	YLLW	ARGL	5	PERV				0	0	0		Flt boulder sheared advace arg altn as at Briton. Numerous rusty	RMC
20PKRC024	356674.81	5740820.52	2300.15576	volcaniciclastic	BRXX		MRRN							0	0	0		Massive, cse volc brxx wi clasts to 25 cm.	RMC
20PKRC025	356727.8	5740820.07	2279.32422	volcaniciclastic	BRXX		GREN	EPID	1	VEIN				0	0	0		Mass volc lith brxx as above otc..	RMC
20PKRC026	356265.56	5740623.09	2313.34058	microdiorite	porphyry		GREY	EPID	1	VNLT				1	4	0		very minor py/limon stringers	RMC
20PKRC027	356126.14	5740577.51	2283.9729	microdiorite	porphyry		GREY	PHYL	3	SHTD				1	4	0		microdior wi sheared qsp along n contact	RMC
20PKRC028	356146.56	5740518.12	2305.16773	microdiorite	porphyry		GREY							1	4	0		Wk py/limon veinlets	RMC
20PKRC029	356236.43	5740519.26	2282.66333	microdiorite	porphyry		GREY	EPID	1	VNLT				0	4	0		Same as prev microdior. Gen fresh and var fractd.	RMC
20PKRC030	356283.73	5740458.27	2241.95068	microdiorite	porphyry		GREY	EPID	1	VNLT				0	4	0		Fresh, blocky microdior wi minor limon on fract	RMC
20PKRC031	357741	5743830.45	2097.53101	arkose				SILC	4	VEIN				0			aspy	Qz vns below Mtn Boss. poss aspy. grab sample taken. A0830104	RMC
20PKRC032	358009.3	5741513.73	2327.88574	volcaniciclastic	BRXX		GREN							0	0	1		Grn volc brxx in contact wi marroon silty tf	RMC
20PKRC033	358105.14	5741522.23	2299.99658	volcaniciclastic	BRXX		GREN							0	0	1		variably foltd grn volc brxx	RMC
20PKRC034	358165.55	5741629.12	2283.57227	volcaniciclastic	BRXX		GREN							0	0	1		Mod foltd brxx. Foliation defining shears or thrusts?	RMC
20PKRC035	358365.98	5741632.46	2275.35938	volcaniciclastic	BRXX		GREY							0	0	1		Wkly foltd xstal lthic tf. Angular clasts to 1 cm.	RMC
20PKRC036	358269.35	5741664.85	2279.73071	volcaniciclastic	FOL!		GREN							0	0	1		Foltd, sheared?, tf. some flatten, smeared clasts.	RMC
20PKRC037	358252.32	5741630.32	2271.58423	volcaniciclastic	BRXX		GREY							0	0	1		Variable grey, grn and marroon volc brxx. Blocky and poorly fractd.	RMC
20PKRC038	358291.14	5741580.55	2261.85913	volcaniciclastic	XSTL	LITH	GREN							0	0	1		Wkly foltd xstal,lithic tf.	RMC
20PKRC039	358067.71	5741164.66	2243.45361	microdiorite	FGRD		GREY	SILC	1	STWK	chlr	1	slvg	1	3	1	cpy-mal	Microdior? with local variable qz vns and stockwk Milky locally drusy qz vns to 5cm. Otc very blocky. Also wk CHL-EP altn. B498501	RMC
20PKRC040	358164.5	5741180.65	2236.23267	volcanic	APHN	flow	GREN	EPID	1	VNLT				0	3			Blocky grn-gry aph volc. Epid on fracts	RMC
20PKRC041	358214.32	5741200.34	2231.44238	microdiorite	FGRD		GREY	EPID	1	VNLT				0	3	1		Blocky otc microdiorite. Zone milky qtz vns (along shear?) trending 095/80	RMC
20PKRC042	358259.91	5741263.99	2234.86377	microdiorite	MGRD		WHTE	EPID	1	VNLT				0	3	3		Blocky, pinkish weathering microdior? Appears similar to prev but cser grnd.	RMC
20PKRC043	358422.58	5741303.76	2196.39331	microdiorite	MGRD		GREY	EPID	3	VNLT				0	3	1		Blocky pinkish weathering microdior.	RMC
20PKRC044	358453.38	5741336.35	2179.57471	volcaniciclastic	BRXX	FOL!	GREY							0	0	3		Volc brxx and tf - locally foliatd.	RMC
20PKRC045	358416.53	5741367.07	2207.63867	volcaniciclastic	BRXX		GREN	EPID	1	VNLT				0	1	0		Green-gy volc brxx wi ep on fracts.	RMC
20PKRC046	358445.15	5741415.26	2210.32568	volcaniciclastic	BRXX		GREN							0	1			Blocky otc volc brxx wi clasts to 15 cm.	RMC
20PKRC047	358514.65	5741722.81	2271.37012	volcanic	BRXX		GREN	EPID	3	VNLT				0	0	1		Gry-grn volc flow to monolithic brxx. (dacite?). Mod-str epid altn.	RMC
20PKRC048	358622.86	5741598.76	2261.88403	volcanic	flow		GREN	EPID	3	VNLT				0	0	1		Mass green flow varying to xtal tf. Blocky. Abundant ep on fracts.	RMC
20PKRC049	358477.8	5741660.61	2262.36475	volcaniciclastic	LITH		MRRN							0	0	0		Contact between fol marroon tf and green volc flow.	RMC
20PKRC050	358618.95	5741670.57	2240.78247	volcanic	flow		GREN	EPID	3	VNLT				0	0	1		Grn-gry volc flow	RMC
20PKRC051	358564.46	5741740.57	2245.59668	volcanic	MSSV		GREN	OTHR						0	0	0		Massv pale grn volc. prob bleaching related to flt.	RMC
20PKRC052	358576.2	5741767.59	2242.31616	volcaniciclastic	BRXX		GREY	EPID	1	VNLT				0	1	1		Most east otc volc wi flt 10 m to east	RMC
20PKRC053	358605.36	5741802.04	2221.40674	arkose	MGRD		BRWN							0	0	0		Sbcrp of prob CD arkose and platy black shale.	RMC
20PKRC054	358939.63	5741870.1	2162.08789	sandstone	FGRD		GREY							0	4			Appears to be ss but many thin lamin of fg mag. Poss fg diabase or bslt?	RMC
20PKRC055	358886.78	5741876.26	2195.0332	porphyry	MGRD		GREN	CHLR	1	VNLT				0	1	0			RMC
20PKRC056	356562.59	5742541.13	2449.12085	shale			BLCK							0	0	0		East side vtem anom. Gully wi sbcrp mixed black sh and arg. Poss flt but no otc.	RMC
20PKRC057	356606.61	5742791.26	2456.05713	shale			BLCK							0	0	0		Subvert contact wi Qz dior. Shale strogly sheared ,foliated at contact. Intr cont trends approx 265 on ridge.	RMC
20PKRC058	356667.56	5742744.32	2453.81494	shale			BLCK							0				Approx contct shale-qz dior	RMC
20PKRC059	356801.75	5742916.01	2419.96899	siltstone			BRWN							0	0	0		crude contact arg-qz dior 090/50. No sign of shearing.	RMC
20PKRC060	356862.63	5742978.48	2420.86231	arkose	FGRD		BRWN							0	0	0		Contact wi qz dior-poss rusty shear trending approx. 020/30.	RMC
20PKRC061	357406.99	5743218.32	2422.92041	arkose	CGRD	FGRD	BRWN							0.5	0	0		Contact wi arg and qz dior. Contact trends subpar to ridge at 300 deg. steep? Clearly sharp intr contact.	RMC
20PKRC062	357760.41	5742828.96	2191.02881	qz diorite	FRSH		WHTE							0	0			Start abundant qz dior scree and approx contct.	RMC
20PKRC063	357467.92	5742716.91	2197.49609	qz diorite	FRSH		WHTE	EPID	1	VNLT				0	1	0		Qz dior blocks from lge otc above	RMC
20PKRC064	357307.79	5742603.31	2223.53125	qz diorite	FRSH		WHTE	EPID	1	VNLT				0	0	0		Blocks qz dior	RMC
20PKRC065	357249.44	5742578.52	2231.03613	qz diorite	FRSH		WHTE	EPID	1	VNLT				0	0	0		Blocky qz dior	RMC
20PKRC066	357163.05	5740814.46	2248.01074	volcanic	MSSV		GREN	SILC	1	VEIN				0	1	0		Mass pale grn volc cut by bull white qz vn following shear.	RMC
20PKRC067	357177.68	5740817.83	2228.73755	volcaniciclastic	BRXX		MRRN							0	0	0		Small otc foliated marroon volc brxx.	RMC
20PKRC068	357202.09	5740836.52	2201.68799	volcanic	MSSV		GREN	SILC	1	VNLT				0	3	0		Mass pale grn volc flow?	RMC
20PKRC069	357193.4	5740830.41	2216.71069	volcaniciclastic	BRXX		MRRN							0	0	0		Contact between mass grn volc and marr volc brxx. Locally sheared. small poss dyke contact?	RMC
20PKRC070	357333.34	5740760.35	2151.72974	microdiorite			GREY	SILC	1	VNLT				0	0	1		Small otc poss dyke? Chlor on fracts.	RMC
20PKRC071	357428.92	5740823.41	2197.31079	volcaniciclastic	LITH	XSTL	GREY	SILC	1	VEIN				0	0	0		Gry-marr volcaniclastic wi 7 cm white bull vn trending 098/subvert.	RMC

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKRC072	357355.09	5740732.94	2180.60815	microdiorite			GREY	EPID	1	VNLT				0	1	1		Sm otc poss microdior dyke? Qz-ep srckwk locally devel.	RMC
20PKRC073	357397.82	5740695.15	2170.57129	porphyry	DYKE		GREN	CHLR	3	PERV				0.5	0	0		Poss dyke flpp wi chlor matrix. Qsp in rusty area to immed south. Qz stckwk poss related to qsp?	RMC
20PKRC074	357401.47	5740571.91	2171.24121	porphyry	APHN		GREN	SILC	1	VNLT				0.5	0	1		By old hut. Poss dyke flpp. Prob qsp to N and S	RMC
20PKRC075	357495.07	5740693.72	2159.57764	schist	FOL!		ORNG	PHYL	4	PERV				1	0	0		sm otc of very schistose qsp. B498503	RMC
20PKRC076	357503.09	5740693.16	2165.45215	porphyry			GREN	EPID	1	VNLT				0	0	0		Flpp-poss sill overlying qsp as appears flat to low dip.	RMC
20PKRC077	357563	5740757	2165.25488	volcanic	FOL!		GREY	SILC	1	VNLT				1	0	0		Wkly foliated volc tf or brxx. some qz stckwk wi limon along S margin. B498504	RMC
20PKRC078	357650.07	5740800.35	2162.11206	volcanic	MSSV		GREN	EPID	3	VNLT				0	1	0		Mass grn-gry volc.	RMC
20PKRC079	357657.94	5740804.14	0	volcanic	BRXX		GREY							0	0	0		Gry volcaniclastic	RMC
20PKRC080	357705.7	5740824.83	2167.32007	volcaniciclastic	BRXX		GREY							0	0	0		Gry monolith brxx wi clasts to 20 cm.	RMC
20PKRC081	357730.98	5740829.77	2155.83716	volcanic	MSSV		GREN	EPID	3	VNLT				0	0	0		Mass gry volc flow wi numerous ep vnlts.	RMC
20PKRC082	357746.49	5740789.78	2139.99512	volcaniciclastic	ASH!	FGRD	GREY	EPID	3	VNLT				0	0	0		Ash tf to brxx. Mod epid+/-qz vning.	RMC
20PKRC083	357769.25	5740728.83	2124.61475	volcaniciclastic	FGRD		GREY	EPID	1	VNLT				0.5	0	0		Mass gry ash tf? Otc probably forms N side qsp zone. Face of otc trends 085 (dip 38s) and aligns wi otc to north of hut.	RMC
20PKRC084	357813.52	5740534.62	2114.30786	volcanic			GREY							2	0	0		Rusty, frctd volc along Cr Ck. B498505	RMC
20PKLP001	360539	5741578		Tuff	andesitic		Green							0	1	2		Dark green massive Andesitic tuff/ weakly siliceous and with weak sericite + chlorite alteration, pervasive. Vuggy discontinuous calcite veinlets with chlorite selvage. Moderately frActured conjugate at 245/50 and 175/57	LP
20PKLP002	360507	5741623		Volcanic	andesitic	Tuff	Maroon-gy							0	3	1		Andesite-Dacite flow, porphyritic with 5-7% plgioclase phenos and minor hornblende. Massive. Groundmass is dark maroon-grey aphanitic. Locally weak chlorite and epidote alter phenocryst cores.	LP
20PKLP004	360503	5741623		Tuff	andesitic	qsp	Orange	Phyllic	4	perv				1	0	0		Strongly limonitic outcrop adjacent to massive int. flows. Contact buried. bright orange and reddish limonite + hematite and QSP on altered tuff (? protolith difficult to discern). Very minor pyrite. Cut by incoherent crystal qtz veinets with fine dark green clots and flakes (chlorite?)	LP
20PKLP005	360374	5741709		Tuff			Gr-grey							0	4	0		Sporadic small outcroppings in talus slope. Outcrop is fine massive dark green-grey intermediate tuffs (?), locally minor fine hornblende and feldspars are visible. Weak chlorite-epidote alteration as a pervasive wash through groundmass, or locally epidote on feldspars. Local weak hematite staining. Weak jointing through outcrops.	LP
20PKLP006	360328	5741702		Tuff	Felsic									1	1	0		Float. Numerous angular float rocks of jasper and jasper veining in crystal-lapilli tuff. Tuff has feldspar and amphibole phenos often aligned, and lap ill is to 7 cm wide, aligned and semi flattened. Amphiboles are pervasively altered to hematite red stained plus spec hematite. Tuff matrix has disseminated spec hem plus very minor fine pyrite. Veining is irregular jasper plus quartz.	LP
20PKLP007	360224	5741730		Tuff, veins				Phyllic	4	perv				5	0	0	cpy	Pin2. NO OUTCROP- FLOAT ONLY. Talus slope with strongly hematite and limonitic float, surrounded to subangular. Numerous boulders with very strong deep reddish orange staining have up to 5% fine locally blue by disseminated pyrite and possible trace cpy (very fine)	LP
20PKLP008	360167	5741627		Tuff			Maroon							0	0	1		Maroon tuff, weakly foliated and with patchy dark green chloritic plus possible epidote alteration. Cal+qtz stringers with moderate limonite in veinlets. Veinlets run sub parallel to foliation.	LP
20PKLP009	360014	5741564		Tuff	andesitic		Gy-brown							0	0	0		Intermediate tuff, dark greyish brown with feldspar and very minor amphibole crystals. Massive. Subcrop strongly broken and fractured, shifted out of place so no structure measurements possible.	LP
20PKLP010	359899	5741492		Tuff	andesitic		Green							0	1	0		Andesite tuff, feldspar and minor hornblende crystals crowded in a fine crystal matrix, and some siliceous cm size lapillis. Dark green with locally maroon patches. Weak jointing. 2 cm wide straight vuggy qtz veinlets (see structures). Sericite and silica overprint. Weak chlorite and local epidote on crystals.	LP
20PKLP011	359817	5741411		Tuff	andesitic	qsp	Red	Silic	3	perv				5	0	0		QSP alteration, strongly hematite and limonite rusted outcrop, locally soft sheared white talc with textures obliterated, elsewhere strongly siliceous and pyritic tuff (?). Pyrite is very fine but locally pervasive disseminations. Outcrop is sheared with a prominent foliation (see structures)	LP
20PKLP012	359950	5741115	1950	Tuff			Grey	Phyllic	3	perv				0.5	0	0		fine grained tuff subcrop/large angular float boulders surrounding very minor subcrop/outcrop. Tuff is grey and sericite+silica altered with trace very fine disseminated pyrite locally. Weak to moderate orangy hematite plus limonite stained. Locally deep pink surfsce staining around py (??) clots. boulders and subcrop are strongly veined with white quartz, locally very finely bladed in vein cores. trace calcite in fractures. Medium-course chlorite in. veinlets. Veins cm to 20cm wide, and appear straight (orienting not possible due to jumbled boulders/subcrop).	LP

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKLP013	359935	5741115	1952	Tuff	andesitic	qsp	White	Phyllic	4	perv				2	0	0		subcrop- flaking sheared QSP tuff. Locally whitish and soft where strongly sheared. strongly limonitic and hematitic and up to 2% finely disseminated pyrite. subcrop strongly broken and mainly talus fragments.	LP
20PKLP014	359999	5741206	2000	Quartz vein			WHite	Qtz	90	vn				0	0	0	mal-cpy	Float-steep talus slope. This slope to the west and SW of this station all the way down to 20PKLP013 has tons of very large quartz veins boulders, persisting all the way up the slope. At this locality, is a boulder with malachite staining snd cpy on quartz vein, angular float.	LP
20PKLP015	359977	5741251	2030	Tuff	qsp		Brown	Phyllic	2	perv				1	0	0		Outcrop on talus slope ridge, crystal ash tuff eith aligned hornblende crystals, feldspars and minor quartz. weak chlorite alteration or some crysals, and local limonite in fractures. Massive. this homogenous unit has a pody strong QSP contact with hematite and limonite staining, moderate foliation, and weak disseminated pyrite. cut by trace cm size qtz-carb veinlets.	LP
20PKLP016	360053	5741271	2045	Tuff	andesitic		Green							0	3	0		massive outcrops accros the ridge here above the talus slope. Tuffs andesitic with weakly aligned hornblends in a fine matrix with some plag. medium greenish colour. altered with chorite and locally weak epidote. The outcrops have a weak to locally moderate limonite and hematite staining. Locally intense bull quartz veining in veins to 49 cm wide, these outcrops seem to be the source from the large amounts of quartz talus. No signs of copper to explain the malachite in float downslope.	LP
20PKLP017	360103	5741272	2051	qsp	shear	schist	White	Phyllic	4	perv				0.5	0	0		White sericitic shist, very fine almost powdery texture completely blasted. Strong limonite and hemetite staining. very fine trace pyrite locally disseminated. Outcrop is juxtaposed with an andesitic tuff outcrop of 20PKLP016	LP
20PKLP018	360140	5741275	2055	Tuff	andesitic		Green	Propyl	3	vnlts				0	4	4		Andesite tuff cut by course calcite+epidote+/-chlorite veins. Tuff contains plag and quartz crystals in a dark green matrix. Chlorite and spidote altered.	LP
20PKLP019	360086	5741124	1971	Tuff	andesitic									0	1	0		andesitic tuff with hornblende (possibly biotite) crystals, weakly to moderately altered with chlorite and epidote, and a weak silica overprint. Outcrop has moderate hematite and limonite staining. Cut by quartz veins and vein vreccias. Veins white vuggy qtz with some fine epidote and chlorite inclusions, and rare patches of both bright and forrest green staining on the qtz. Th3se veins are irregular and stockwork crosscutting.	LP
20PKLP020	360309	5740997	1891	Tuff			Maroon	Qtz	5					0	1	3		maroon tuff, qtz and plag crystals in a muddy maroon to dark green ashy matrix. Outcrop/subcrop is massive	LP
20PKLP021	360072	5741274	1913	Tuff	andesitic		Green	Qtz	5	vn	chl	2	vnlts	0	1	1		Large outcrops on cliff. andesite tuff? Medium grained with alignment of fine hornblende, dark green crystaline matrix, siliceous with weak calcite alteration. outcrop is cut by qtz+chlorite veins/tension gashes cm wide. Ofter have course chlorite rims/selvage and vuggy qtz crystals as core. See pics. Angular local talus has abundant vein fragments of this style.	LP
20PKLP022	359997	5741218	2012	Tuff	andesitic		Green	Silic	3	vnlts	chl	2	vnlts	0	1	0	cpy-mal	Greeny andesite tuff, qtz and some dark mafics in a fine somewhat siliceous matrix cut by qtx + calcite+ chlorite veins to 4 cm wide partially straight and parellel eith minor xcutting veinlets. This station is subcrop/huge talus blocks possible some outcrop. Very proximal to source. Blebby cpy in veins. Trace malachite stain around a rusty bleb in vein -can not extract this sample.	LP
20PKLP023	359965	5741192		Quartz	vein		White	Qtz	80	vn				3	0	0		Quartz breccia vein float, subangular. White qtz veining brecciating pale green tuff wallrock. Contains blebby strongly rusted hematitic clots of pyrite + cpy.	LP
20PKLP024	359915	5741913	1982	QSP			Red	Phyllic	3	perv				10	0	0		QSP alterated subcrop/possible float? 3x3m of strongly hematized and limonitic QSP zone with up to 10% diss. pyrite as well as fine pyrite stringers pervasive throughout. Strongly fractured and broken up.	LP
20PKLP025	359911	5742029	1965	Sedimentary			Green							1	0	1		Sandstone or very fine tuff, greeny-bluish. Very fine blebs and clusters of pyrite stained partially to hematite occuring along very fine fractures or and stringers. Subcrop. Cut by regular mm to cm size qtz+minor calcite veinlets, very straight.	LP
20PKLP026	359971	5741951	1979	Tuff			Grey-green	Phyllic	3	perv				1	0	3	cpy	Float subangular to subrounded, very fine dark grey-greenish tuff (?) qtz+sericite altered with very fine trace disseminate pyrite. Cut by straight cm size qtz cal veinlets with course chlorite and epidote, and blebby pyrite with strong hematite staining, and trace possible cpy	LP
20PKLP027	360125	5741856	2031	Quartz	vein			Qtz	80	vn				1	0	4	mal-cpy	Subrounded float - qtz epidote veined intermediate volcanic tuff. Malachite stained fractures. Epidote dominated the vein and is a fine sugary texture intergrown with qtz. Malachite occurs on hem+lim stained fracture surface	LP
20PKLP028	360163	5741880	2042	Quartz	vein			Qtz	80	vn				0	2	4	mal-cpy	Float, subrounded to subang. if epidote qtz veining with malachite stained fractures, magnetite disseminations	LP

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20PKLP029	360165	5741861	2045	Quartz	vein		White	Propyl	4	vnlts				0	3	4	cpy	Float- qtz epidote veined volcanic with malachite, cpy, py, hem, and magnetite	LP
20PKLP030	354561	5739773	2535	Volcanic	Hornfels		Grey							5	4	1	mal-cpy	Large outcrops on cliff. Will take multiple stations in this area. This station is a rusty hematite+limonite stained face of very fine dark grey magnetic microgabbro?? Wallrock contains course blebby pytite as well as strong fine disseminations. This us cut by multiple phases of xcutting qtz veins with malachite, rare azurite (fine), cpy, rusted pyrite clots, and local fine bornite blebs. Some other suspicious looking bright yellow smears and coppery looking blobs as well (get greegs mineralogy on this)	LP
20PKLP031	354526	5739752	2524	Volcanic	Hornfels									5	4	1	cpy-mal	Large outcrops of fine to medium grained gabbro?? diorite? magnetic wallrock with locally cariability of plag crystal size. Cut by xcutting qtz+epidote veins+ possible kspar. Veins sometimes silica+kspar core and epidote+ chlorite rims and selvages. Wallrock is locally strongly pyritic. Veins have clotty cpy+py+bornite and local specs of malachite.	LP
20PKLP032	354523	5739752	2527	Volcanic	Hornfels		Grey							3	5	0	cpy	Subcrop sample, very angular and freshly chipped, local. Fine dark grey microgabbro with convolute qtz vein 1 cm wide containing cpy, rusty pyrite clots. in wallrock is a magnetite filled fracture and disseminations. Too small to keep a hand sample - all sent to lab.	LP
20PKLP033	354551	5739774	2531	Volcanic										3	3	1	cpy-mal	continuation of outcrop above (LP030). Malachite staining on qtz vein1-2cm wide. Stockwark veining here is intense and at least 2xcutting phases (see structures for orient). Veins have py+cpy clots and course chlorite	LP
20PKLP034	354594	5739758	2541	Microdiorite dyke			Grey	Qtz	1	perv				0	1	3		Pale greyish dyke, microdiorite? Mostly qtz matrix with fine to medium chloritic altered hornblende. Course chlorite sample? see structures for attitude	LP
20PKLP035	354567	5739781	2541	Chlorite schist	Shear		Green							3	3	0	cpy	Shear zone? This side of the outcrop is strongly foliated (foliations of course chlorite), and the outcrop is bound to the east by a slide of talus schist, still moderately to strongly veined. Foliation at 242/83. Locally blebby disseminated py + cpy	LP
20PKLP036	354593	5739801	2548	Chlorite schist	Shear		Green							5	3	1		shear zone contâ€™d. Curved shear zone, we have wallrock chlorite schist strongly foliated and cut by abundant strongly rusted qtz veins with py+cpy+very fine trace malachite and azurite locally. Wallrock shear also contains disseminated py+/-cpy. In centre of shear is a strongly rusted hem+lim zine of intense veining and mineralization including qtz veins within shear and local ferracrete. Numerous samples will be taken from this zone (see next stations).	LP
20PKLP037	354528	5739740	2525	Chlorite schist	Shear		Grey	Chl	4	perv	Qtz	1	vnlts	2	2	0		Shear zone wth qtz veining. wallrock is fine dark grey volcanic? Microgabbro? Veins locslly convoluted snd folded but overall trending parallel within shear zone (in the outcrop). Local subcrop boulders show veins xcutting shear foliation. Strong chlorite alteration and locally course chlorite in veins. Weak disseminations of blebby pyrite in veins.	LP
20PKLP038	354580	5739783	2550	Chlorite schist	Shear		Green	Chl	5	perv				1	3	0		Shear zone contact. Strongly sheared chlorite schist zone here continues to run parallel to the ridline. Footwall of shear is what appears to be mineralized (see stations to the north). Shear itself does host many qtz veins with variable lim+hem staining and blebby sulfides, with trace malachite and cpy. Here veins run subparallel to shear but also are folded within shear (see pics) and locally xcut foliation. Chlorite schist has fine magnetite disseminations and foliation bands.	LP
20PKLP039	354626	5739813	2574	Chlorite schist	shear			Chl	5	perv				1	2	0		Shear zone, uppermost outcrop. Same chlorite schist with qtz veining and locally strong lim+hem. Stockwork cm veins.	LP
20PKLP040	354673	5739828	2588	Volcanic	Hornfels			Chl	4	perv				5	4	0	cpy-mal	chlorite altered volcanic? Weakly schistose (hangingwall of shear zone?) Outcrop is a 2x5m window next to massive hornblende intrusive/dyke. Locally string hem+lim staining plus intense local malachite and azurite. Cut by a plethora of qtz chlorite veins with malachite, azurite, coy, blebby py. Magnetitie disseminations in veins and wallrock. 2sample here in xcutting veins	LP
20PKLP041	354675	5739833	2593	Dyke										0	0	0		dyke/ hornblende porphyry, same as LP034. seems to follow shear zone structure along the ridge top	LP
20PKLP042	354700	5739869	2619	Contact, dyke and volcanic	Dyke									0	0	0		Dyke on south side of ridge, vein zone altered rock on north	LP
20PKLP043	354377	5739666	2462	Volcanic	Hornfels			Chl	5	perv	qtz	1	vnlts	7	4	0		Fine dark grey blitzed volcanic/gabbro cut by qtz veins (1-10cm), xcutting. around veims is very lim+hem stained. Wallrock locally contains intense pyrite dissemination. Strong chlorite as foliated whisps throughout wallrock and coarsely in veins. Local trace epidote.	LP
20PKLP044	354453	5739702	2491	Chlorite schist	Shear		Green	Chl	5		epid	2		10	3	0	cpy	subcrop, qtz chlorite veining in weak chlorite schist. Strong hem+lim staining. Sample is packed with sulfides in vein and wallrock, mostly pyrite but possible cpy as well. Disseminated magnetite in vein and wallrock also. This area is primarily talus	LP

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKLP045	354443	5739632	2468	Dyke										0	0	0		dyke, as before with hornblende phenos altered weakly to chlorite. locally strong limonite in fractures. Patchy outcrops here along the southeast slope, trending parallel to the ridge	LP
20PKLP046	354428	5739638	2478	Quartz	breccia		White	Silic	5	Brxx				0	0	0		Intensely silicified outcrop and subcrop cut by pervasive qtz veins in a convoluted wa6. Wallrock is fully replaced to silica?? very whitish pale pink, surrounding the outcrops is intenesely orange qsp altered talus.	LP
20PKLP047	354287	5739562	2435	QSP	shear		Red	Phyllic	3	perv				2	1	0		Shear zone with QSP strongly foliated and with intense lim+hem alteration. Moderate disseminated pyrite throughout. Shear here seems to be trending differently that the chlorite schist shear zone.	LP
20PKLP048	354278	5739542	2435	Chlorite schist			Green	chl	5	perv				10	4	0		Chlorite schist shear zone, same as up the ridge. Wallrock is strongly altered chlorite schist with intense disseminated pyrite and pyrite stringers. Local zones of intense hem+lim throughout shear center. Rare cm qtz veins with blebby pyrite	LP
20PKLP049	354230	5739492	2418	Chlorite schist			Grey	chl	4	perv	silic	1	vnlts	5	3	0		chlorite epidote altered fine dark grey volcanic/micrograbbro? course chlorite in foliation, and locally strong hem+lim around qtz veinlets. Vein density here is less than it was to the east up the ridge. Veinlets have blebby sulphides and chlorite.	LP
20PKLP050	354330	5739557	2447	QSP	shear		Brown	Silic	3	perv				3	3	0		Sheared volcanics and QSP zone. Strongly foliated volcanic with hem+lim staining and locally intense disseminated pyrite, cut by rare qtz veins parallel to shear structure. Lenses of dark grey siliceous intrusions are caught up in the shear but remain competent. Sample is siliceous sheared altered wallrock adjacent to a white qtz vein (vein appears void of sulfides). Sampled rock contains disseminated pyrite plus very fine peacock coloured sulfides that may just be rusted pyrtite? Hard to tell.	LP
20PKLP051	354308	5739555	2442	Dyke			Grey	Qtz	5	perv				1	0	1		Intrusive plug? Porphyry with qtz+plag+hornblende phenos in s fine grey matrix, very fine trace disseminated pyrite and local zones of brecciated sulfide stringers with very strong lim+hem staining. Locally cut by cm veinlets of epidote. Wallrock has chlorite alteration of hornblende. This unit outcrops periodically along the top of the ridge here within he sheared pyritic qsp zone.	LP
20PKLP052	354184	5739559	2380	Volcanic	Hornfels		Grey	Silic	4	perv	chl	3	perv	4	3	2		very fine siliceous dark grey-black magnetic rock (volcanic?) with disseminated pyrite snd possible disseminated cpy. Outcrops here along the side of the ridge are more massive and less obviously sheared , and cut by qtz epidote veins up to 10 cm wide. Chlorite very finely altering wallrock and pervasive in veins.	LP
20PKLP053	354162	5739558	2366	qsp			Brown	Phyllic	4	perv				5	0	0		qsp altered volcanics, intensely limonitic and hematite stained, disseminated pyrite, and loca bright yellow softer clayish zones (see hand sample)	LP
20PKLP054	354127	5739498	2351	Microdiorite	Dyke			Qtz	4	perv				0	3	0		intrusive plug, qtz hornblende porphyry. this is a 3-5m wide dyke, see structure for trend	LP
20PKLP055	354116	5739451	2351	Chlorite schist			Green	chl	5					4	3	0		chlorite schist, locallt strong limonite+hem in layers within foliation. Very fine disseminated pyrite, locally blebby. Strongly altered eith chlorite, silica and pyrite. Very few cm size qtz veins.	LP
20PKLP056	354063	5739388	2341	Chlorite schist			Green							0	0	0		continuation of 20PKLP055	LP
20PKLP057	354042	5739377	2322	Chlorite schist			Green	chl	5					1	3	0		chlorite schist zone continues as above. Possible pillow textures, OR blocky foliated volcanic bomb/block breccia, see pics. Very rare veining. Here we have a qtz vein xcutting follation, 1-4 cm wide with clots of strongly hematite stains sulfides, snd chlorite whisps in the vein.	LP
20PKLP058	353978	5739303	2305	Tonalite	Dyke		White	Qtz	50	vn				1	0	0		tonalite plug? white intrusive with qtz+muscovite and rare finely disseminated py. Outcrop is blocky and competent. hard to determine an orientation on this intrusive	LP
20PKLP059	353940	5739270	2293	Volcanic	Hornfels									7	0	0		volcanic, weakly chloritic schistose but not as strong as to the east. Still carries a moderate foliation but with less obvious shearing. Layers of sulfidic zones are present to 1m thick and contain course pyrite blebs and disseminations, are are strongly lim+hem stained.	LP
20PKLP060	354989	5740053	2764	Volcanic	Hornfels			chl	3					2	3	1		Altered volcanics, moderate silica and chlorite cut by moderate to high density of qtz epidote chlorite veins to 7 cm wide, bright white, with blebby pyrite plus possible cpy. Locally dtrongly lim+hem stained around veins.	LP
20PKLP061	354747	5739996	2660	Chlorite schist			Green	chl	5					2	3	0		Chlorite schist, strongly foliated but outcrop is massive. cut by moderate veining as 1-5cm wide qtz veins with course chlorite and minor epidote, and blebby clusters sulfides, very strongly hematized. Veining subparallel to foliation but rarely xcutting.	LP
20PKLP062	354735	5739875	2622	Microdiorite	Dyke									0	0	0		Dyke, running up along the ridge	LP
20PKLP063	354745	5739739	2532	Volcanic	Hornfels		Grey	chl	3					1	2	4		fine dark grey volcanic cut by bull qtz veins to 10 cm wide. Strong lim+hem in fractures and clusters around minor blebby sulfides (py?) in veins. In one vein, a strange concoidal like fracture revealed a pale blue stain (cu??, crysocolite??). Chlorite within veins is moderately course. Chlorite alteration of wallrock is very fine. Siliceous.	LP

Station ID	Easting	Northing	Elev_m	Lithology	Lith_Mod1	Lith_Mod2	Lith_Clr	Alt1	Alt1_Intens	Alt_Style	Alt2	Alt2_Intens	Alt2_Style	Py_%	Mag_Int	Cal_Int	Mineraliz.	Description	Geol
20PKLP064	354728	5739690	2505	Volcanic	Hornfels		Grey							5	3	0		Strongly lim+hem altered very fine dark grey rock with intense silica pyrite chlorite alteration. Pyrite is locally smeared along foliation. Strongly jointed with rare qtz veins.	LP
20PKLP065	354762	5739680	2496	Volcanic	Hornfels		Grey	chl	5					0	2	0		fine dark grey volcanic, altered. Chlorite and silica plus minor pyrite in groundmass. Cut by veins of qtz+very course chlorite, and chlorite dominant veins with only minor qtz. In the chlorite veins, there is patchy very bright coloured iridescent sheen over the chlorite sheets, with bright pinks, greens, purples, and blues. Sample is a course chlorite vein	LP
20PKLP066	354720	5739648	2482	Volcanic	Hornfels									1	3	0		hornfulsed volcanics cut by straight qtz veins (mod-low density). Chlorite and epidote altered, locally intense disseminated pyrite in wallrock. Lim+hem staining is pervasive. Lime green oxide is pervasive in the veins (arsenopyrite?)	LP
20PKLP067	354606	5739567	2431	Volcanic	Hornfels									6	4	0		hornfulsed volcanics. strongly altered with sericite, silica, chlorite and silvery pyrite. weakly veined with cm size veinlets	LP
20PKLP068	354549	5739560	2427	qsp	Shear		Brown	Phyllic	4	perv	Chl	4		2	3	0		sericite-chlorite schist shear zone. Very strongly foliated and locally fissile and crumbly. Shear layers include schist, ferrecrete, qtz veins, and siliceous lenses. Strongly hematized and locally contains disseminated pyrite	LP
20PKLP069	354468	5739538	2417	Microdiorite	Dyke		Grey							0	0	0		microdiorite dyke. Fine grained and pale blu3, weak chlorite alt.	LP
20PKLP070	354294	5739404	2355	Volcanic	Hornfels		Grey							3	1	0		hornfulsed volcanic OR qtz diorite?? locally fine and dark grey-black, elsewhere white qtz rich with black chlorite altered biotite? cut by course feins of chlorite+pyrite+magnetite. Veins appear gently folded in the outcrop	LP
20PKLP071	354289	5739238	2266	Volcanic	Hornfels									5	0	0		hornfulsed volcanics, weakly foliated chlorite. up to 5% disseminated pyrite, sometimes course and blebby.	LP
20PKLP072	354151	5739143	2233	Volcanic				Silic	5					20	0	0		strongly altered volcanic? intense qtz-pyrite blitzing the wallrock, pyrite is coarsely disseminated as well as fine stringers. very intense lim+hem alteration.	LP

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20PKGD002	GD002	360544	5741396	Foliation	17	61	15	151	weak foliation	2020
20PKGD003	GD003	360474	5741330	Vein	38	302	80	32	strong bull qtz veinlets to 15mm	2020
20PKGD004	GD004	360405	5741320	Foliation	17	73	28	163	weak foliation	2020
20PKGD005	GD005a	360382	5741321	Foliation	17	74	33	164	weak foliation	2020
20PKGD005	GD005b	360382	5741321	Vein	38	300	90	30	rare bull qtz veinlets to 2cm	2020
20PKGD006	GD006	360304	5741349	Foliation	17	62	36	152	weak foliation	2020
20PKGD008	GD008	360273	5741415	Foliation	17	40	28	130	weak foliation	2020
20PKGD009	GD009	360202	5741435	Vein	38	320	90	50	occasional cluster of bull qtz veinlets to 2c	2020
20PKGD010	GD010	360208	5741414	Dyke	37	40	60	130	sill	2020
20PKGD011	GD011	360077	5741380	Foliation	17	40	80	130	moderate foliation	2020
20PKGD012	GD012	360032	5741345	Foliation	17	40	60	130	weak foliation	2020
20PKGD014	GD014	359909	5741276	Foliation	17	320	10	50	strong foliation	2020
20PKGD018	GD018	359825	5741101	Foliation	17	105	66	195	weak foliation	2020
20PKGD019	GD019	359941	5741047	Foliation	17	60	50	150	moderate foliation	2020
20PKGD022	GD022	360230	5740920	Foliation	17	80	80	170	strong foliation	2020
20PKGD023	GD023	360315	5740852	Foliation	17	60	80	150	moderate foliation	2020
20PKGD024	GD024	360382	5740771	Foliation	17	98	46	188	strong foliation	2020
20PKGD025	GD025	360556	5740726	Foliation	17	88	34	178	moderate foliation	2020
20PKGD026	GD026	360651	5740717	Foliation	17	70	46	160	moderate foliation	2020
20PKGD027	GD027	360733	5740735	Foliation	17	65	50	155	strong foliation	2020
20PKGD034	GD034	360320	5742011	Dyke	37	230	80	320	dyke	2020
20PKGD035	GD035	353376	5740114	Vein	38	115	80	205	quartz-chlorite and epidote-chlorite veinl	2020
20PKGD037	GD037a	353346	5740097	Foliation	17	100	46	190	weak foliation	2020
20PKGD037	GD037b	353346	5740097	Vein	38	90	50	180	bull quartz veinlets to 2cm	2020
20PKGD038	GD038	353311	5740017	Foliation	17	84	46	174	moderate foliation	2020
20PKGD042	GD042	353215	5740090	Foliation	17	70	42	160	weak foliation	2020
20PKGD043	GD043a	353232	5740101	Foliation	17	98	34	188	moderate foliation	2020
20PKGD043	GD043b	353232	5740101	Vein	38	98	34	188	qtz-chlorite+/- pyrite veinlets	2020
20PKGD045	GD045a	353192	5740088	Foliation	17	94	38	184	weak foliation	2020
20PKGD045	GD045b	353192	5740088	Vein	38	94	38	184	quartz-epidote +/-chlorite+/-pyrite veinlet	2020
20PKGD046	GD046a	353158	5740086	Foliation	17	80	56	170	weak foliation	2020
20PKGD046	GD046b	353158	5740086	Vein	38	106	90	196	chlorite +/- quartz veinlets	2020
20PKGD047	GD047a	353122	5740088	Foliation	17	78	27	168	weak foliation	2020
20PKGD047	GD047b	353122	5740088	Vein	38	126	90	216	quartz+/-chlorite+/-pyrite	2020
20PKGD049	GD049	352903	5740135	Foliation	17	88	39	178	weak foliation	2020

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20PKGD050	GD050	352853	5740154	Foliation	17	79	38	169	weak foliation	2020
20PKGD050	GD050	352853	5740154	Vein	38	80	40	170	qtz-epidote veinlets	2020
20PKGD051	GD051	352804	5740150	Foliation	17	87	51	177	strong foliation	2020
20PKGD052	GD052	352793	5740169	Dyke	37	92	60	182	sill	2020
20PKGD054	GD054	352723	5740220	Dyke	37	103	50	193	dyke	2020
20PKGD055	GD055	352657	5740252	Trend Line	35	91	60	181	contact	2020
20PKGD056	GD056	352591	5740298	Trend Line	35	93	60	183	contact	2020
20PKGD058	GD058	352512	5740369	Trend Line	35	86	34	176	contact	2020
20PKGD061	GD061	352816	5740235	Trend Line	35	102	54	192	contact	2020
20PKGD062	GD062	352859	5740268	Foliation	17	94	58	184	weak foliation	2020
20PKGD064	GD064a	352925	5740295	Foliation	17	85	54	175	weak foliation	2020
20PKGD064	GD064b	352925	5740295	Vein	38	84	90	174	epidote-quartz+-pyrite +-trace cp	2020
20PKGD065	GD065	352971	5740341	Dyke	37	135	90	225	dyke	2020
20PKGD066	GD066	352300	5740380	Dyke	37	82	50	172	sill	2020
20PKGD067	GD067a	353079	5740426	Foliation	17	80	22	170	weak foliation	2020
20PKGD067	GD067b	353079	5740426	Vein	38	350	58	80	5cm bull qtz vein	2020
20PKGD068	GD068	353212	5740497	Foliation	17	98	38	188	weak foliation	2020
20PKGD069	GD069	353178	5740523	Trend Line	35	112	42	202	contact	2020
20PKGD070	GD070	353163	5740541	Trend Line	35	85	28	175	contact	2020
20PKGD071	GD071	353145	5740576	Trend Line	35	74	46	164	contact	2020
20PKGD073	GD073	353063	5740719	Trend Line	35	112	58	202	contact	2020
20PKGD074	GD074	352878	5740842	Foliation	17	82	40	172	weak foliation	2020
20PKGD075	GD075	354758	5739683	Foliation	17	67	36	157	weak foliation	2020
20PKGD076	GD076	354766	5739672	Dyke	38	105	90	195	qtz vein	2020
20PKGD077	GD077	354693	5739600	Vein	38	102	90	192	qtz vein	2020
20PKGD078	GD078	354720	5739591	Dyke	38	95	90	185	qtz veinlet	2020
20PKGD079	GD079	354742	5739598	Foliation	17	100	42	190	weak foliation	2020
20PKGD080	GD080	354795	5739521	Shear Zone	32	280	85	10	shear	2020
20PKGD081	GD081	354637	5739412	Foliation	17	72	56	162	weak foliation	2020
20PKGD082	GD082	354571	5739383	Foliation	17	76	36	166	weak foliation	2020
20PKGD083	GD083	354517	5739343	Dyke	38	350	80	80	qtz vein	2020
20PKGD084	GD084	354502	5739309	Foliation	17	86	44	176	weak foliation	2020
20PKGD085	GD085	354472	5739260	Foliation	17	75	45	165	weak foliation	2020
20PKGD086	GD086	354300	5739056	Dyke	37	65	50	155	sill	2020
20PKGD087	GD087	354147	5738946	Shear Zone	32	70	55	160	shear	2020

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20PKLP002	LP002a	360509.6069	5741627.388	Joint	16	254	71	344	20PKLP002	2020
20PKLP002	LP002b	360511.6787	5741628.625	Joint	16	182	68	272	20PKLP002	2020
20PKLP004	LP004	360503.2938	5741622.216	Joint	16	283	80	13	20PKLP004	2020
20PKLP005	LP005a	360375.4734	5741705.539	Joint	16	292	89	22	20PKLP005	2020
20PKLP005	LP005b	360373.6227	5741707.698	Joint	16	48	76	138	20PKLP005	2020
20PKLP008	LP008	360166.8898	5741626.585	Cleavage (S	4	47	37	137	20PKLP008	2020
20PKLP010	LP010a	359895.3487	5741491.893	Joint	16	19	68	109	20PKLP010	2020
20PKLP010	LP010b	359894.7487	5741488.37	Joint	16	343	60	73	20PKLP010	2020
20PKLP011	LP011	359826.8065	5741414.042	Cleavage (S	4	52	27	142	20PKLP011	2020
20PKLP016	LP016	360047.6056	5741271	Bedding	1	176	24	266	20PKLP016	2020
20PKLP030	LP030a	354560.7066	5739774.26	Vein	38	268	74	358	20PKLP030 vein with cpy malachite etc	2020
20PKLP030	LP030b	354558.8528	5739772.508	Vein	38	23	69	113	vein2	2020
20PKLP030	LP030c	354556.6797	5739774.379	Vein	38	237	62	327	vein3	2020
20PKLP031	LP031	354524.9153	5739752.499	Vein	38	71	61	161	20PKLP031 vein mineralized	2020
20PKLP033	LP033a	354545.5114	5739777.685	Vein	38	269	70	359	20PLLP033 primary vein sampled	2020
20PKLP033	LP033b	354548.6685	5739773.804	Vein	38	56	60	146	veins 2 xcutting	2020
20PKLP034	LP034a	354593.7704	5739754.96	Joint	16	84	40	174	20PKLP034 jointA	2020
20PKLP034	LP034b	354595.0055	5739754.485	Joint	16	12	89	102	jointB	2020
20PKLP034	LP034c	354593.119	5739754.169	Joint	16	257	41	347	jointC	2020
20PKLP035	LP035	354568.5106	5739783.263	Foliation	17	242	83	332	20PKLP035 shear foliation	2020
20PKLP036	LP036a	354593.641	5739799.964	Foliation	17	80	47	170	20PKLP036 strong shear with veining	2020
20PKLP036	LP036b	354592.8253	5739799.964	Foliation	17	55	40	145		2020
20PKLP036	LP036c	354590.7708	5739797.199	Foliation	17	63	34	153		2020
20PKLP036	LP036d	354590.0501	5739795.973	Foliation	17	51	65	141		2020
20PKLP037	LP037a	354530.8	5739739.957	Foliation	17	84	47	174	20PKLP037 shear structure foliation	2020
20PKLP037	LP037b	354529.3205	5739741.418	Vein	38	83	41	173	vein in shear zone	2020
20PKLP039	LP039a	354624.4494	5739815.903	Foliation	17	44	54	134	20PKLP039 shear foliation	2020
20PKLP039	LP039b	354623.9866	5739814.943	Vein	38	31	67	121	20PKLP039 vein in shear	2020
20PKLP039	LP039c	354623.3329	5739817.043	Vein	38	57	49	147	20PKLP039 vein sampled	2020
20PKLP040	LP040a	354674.1454	5739825.166	Vein	38	123	11	213	20PKLP040 sample A0830019 vein	2020
20PKLP040	LP040b	354672.8084	5739827.526	Vein	38	301	86	31	A0830020 vein sample	2020
20PKLP043	LP043a	354380.1724	5739667.124	Foliation	17	39	24	129	20PKLP043 foliation of chlorite schist	2020
20PKLP043	LP043b	354380.7446	5739668.572	Vein	38	57	14	147		2020
20PKLP043	LP043c	354379.3772	5739665.316	Vein	38	48	28	138		2020
20PKLP043	LP043d	354380.6489	5739666.804	Vein	38	60	26	150		2020

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20PKLP047	LP047	354289.6258	5739565.562	Foliation	17	277	88	7	20PKLP047 shear zone cutting accross rid	2020
20PKLP048	LP048	354277.6601	5739541.726	Foliation	17	76	57	166	20PKLP048 shear fabric	2020
20PKLP049	LP049	354202.2892	5739507.362	Foliation	17	43	63	133	20PKLP049 shear foliation	2020
20PKLP050	LP050a	354321.2222	5739557.728	Foliation	17	285	76	15	20PKLP050 shear foliation	2020
20PKLP050	LP050b	354365.2731	5739561.022	Foliation	17	272	79	2	20PKLP050 shear foliation	2020
20PKLP052	LP052a	354187.5535	5739560.982	Joint	16	130	47	220	20PKLP052 jointing	2020
20PKLP052	LP052b	354187.5362	5739562.264	Joint	16	280	55	10	joint	2020
20PKLP052	LP052c	354185.8075	5739558.861	Vein	38	56	27	146	epidote vein	2020
20PKLP053	LP053a	354157.0958	5739555.892	Cleavage (S	4	3	67	93	20PKLP053 cleavage	2020
20PKLP053	LP053b	354158.4793	5739556.239	Joint	16	95	68	185	20PKLP053 dominant joints	2020
20PKLP054	LP054	354128.1568	5739499.665	Vein/Dyke	37	72	53	162	20PKLP054 dyke trend	2020
20PKLP055	LP055	354119.9076	5739450.492	Foliation	17	78	41	168	20PKLP055	2020
20PKLP056	LP056	354062.4093	5739390.841	Foliation	17	60	43	150	20PKLP056 shear fabric	2020
20PKLP057	LP057a	354040.2264	5739376.896	Foliation	17	39	49	129	20PKLP057 foliation	2020
20PKLP057	LP057b	354041.4585	5739376.048	Vein	38	298	76	28	20PKLP057 vein	2020
20PKLP059	LP059	353942.042	5739272.268	Cleavage (S	4	48	60	138	20PKLP059 foliation cleavage	2020
20PKLP061	LP061a	354746.1663	5739994.801	Vein	38	73	44	163	20PKLP061 vein	2020
20PKLP061	LP061b	354745.6555	5739994.042	Vein	38	86	40	176	20PKLP061 vein	2020
20PKLP061	LP061c	354744.6683	5739995.334	Foliation	17	48	55	138	20PKLP061 chlorite foliation	2020
20PKLP061	LP061d	354753.8173	5740003.474	Vein	38	108	76	198		2020
20PKLP061	LP061e	354740.3408	5739993.622	Vein	38	74	76	164		2020
20PKLP063	LP063	354737.2132	5739726.803	Vein	38	286	82	16	20PKLP063 veins	2020
20PKLP064	LP064a	354731.1637	5739682.432	Joint	16	73	22	163	20PKLP064 joint	2020
20PKLP064	LP064b	354733.2168	5739684.697	Joint	16	328	67	58		2020
20PKLP065	LP065a	354759.855	5739677.582	Vein	38	284	58	14	20PKLP065 A0830037 sample chlorite ve	2020
20PKLP065	LP065b	354760.3343	5739683.924	Vein	38	306	70	36	qtz+chl vein	2020
20PKLP065	LP065c	354760.0102	5739683.521	Vein	38	5	70	95	qtz+chl vein	2020
20PKLP065	LP065d	354720.214	5739656.818	Foliation	17	102	59	192		2020
20PKLP065	LP065e	354715.5353	5739662.574	Foliation	17	81	70	171		2020
20PKLP066	LP066	354716.6931	5739644.375	Vein	38	292	89	22	20PKLP066 vein	2020
20PKLP067	LP067	354605.9187	5739576.089	Vein	38	218	88	308	20PKLP067	2020
20PKLP068	LP068a	354569.6557	5739574.052	Joint	16	34	52	124	20PKLP068	2020
20PKLP068	LP068b	354568.1346	5739570.978	Foliation	17	288	69	18	20PKLP068 shear foliation	2020
20pkrc002	RC401	354109.04	5740465.41	Foliation	17	90	81	180		2020
20pkrc002	RC402	353997.29	5740355.47	Joint	16	285	85	15	epid filled fract	2020

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20pkrc009	RC403	353775.95	5740240.55	Joint	16	80	31	170		2020
20pkrc012	RC404	353674.49	5740195.68	Joint	16	110	34	200		2020
20pkrc015	RC405	353572.12	5740174.24	Foliation	17	126	30	216		2020
20pkrc017	RC406	353452	5740134.26	Foliation	17	113	63	203		2020
20pkrc020	RC407	356692.04	5740842.43	Joint	16	129	29	219		2020
	RC408	356677.47	5740837.25	Joint	16	109	48	199		2020
	RC409	356673.24	5740841.1	Joint	16	345	85	75		2020
20pkrc021	RC410	356622.34	5740839.89	Dyke	37	155	61	245	Sheared cnt microdior dyke	2020
20pkrc025	RC411	356726.26	5740815.3	Joint	16	84	42	174		2020
20pkrc026	RC412	356259.79	5740608.53	Joint	16	40	90	130	Pyritic jnt	2020
20pkrc027	RC413	356114.31	5740600.4	Foliation	17	105	70	195	sheared qsp	2020
20pkrc027	RC414	356270.05	5740510.4	Foliation	17	110	60	200		2020
	RC415	356274	5740507.44	Foliation	17	112	65	202		2020
20pkrc032	RC416	358009.3	5741513.73	Bedding	1	70	37	160	contct between marroon tf and grn volc b	2020
20pkrco33	RC417	358105.14	5741522.23	Foliation	17	30	12	120	wk variable foln	2020
20pkrco34	RC418	358165.55	5741629.12	Foliation	17	45	10	135		2020
20pkrco36	RC419	358269.35	5741664.85	Foliation	17	20	20	110		2020
20pkrco40	RC420	358168.15	5741176.26	Joint	16	178	31	268	Fract wi epid	2020
20pkrco44	RC421	358445.77	5741333.96	Foliation	17	90	30	180		2020
20pkrco47	RC422	358515.07	5741717.16	Joint	16	70	35	160		2020
20pkrco49	RC423	358457.14	5741693.94	Foliation	17	33	45	123	Foliated marroon tf	2020
20pkrco49	RC424	358471.42	5741661.94	Foliation	17	130	75	220	Fol marroon tf. Poss flt running through gı	2020
20pkrco49	RC425	358477.79	5741660.61	Joint	16	125	45	215	Joint probable contact between volc and t	2020
20pkrco51	RC426	358563.07	5741740.07	Joint	16	325	60	55	Str jnts poss subpar to flt?	2020
20pkrco52	RC427	358576.2	5741767.59	Joint	16	105	65	195		2020
20pkrc054	RC428	358939.63	5741870.1	Bedding	1	105	37	195	poor bedding in dark, silty fg ss	2020
20pkrc055	RC429	358875.57	5741866.63	Foliation	17	90	36	180	Sheared volc	2020
20pkrc057	RC430	356606.2	5742785.94	Cleavage (S	4	98	80	188	Str clvge or foliation in black shale at cont	2020
20pkrc057	RC431	356576.07	5742770.77	Bedding	1	135	25	225	Bedding in qzite above shale	2020
20pkrc061	RC432	357382.66	5743230.82	Bedding	1	100	32	190	laminations in arg.	2020
	RC433	357486.82	5743226.21	Bedding	1	120	42	210	Bedding arg.	2020
20pkrc064	RC434	357299.08	5742548.7	Joint	16	304	55	34		2020
20pkrc064	RC435	357276.02	5742569.02	Joint	16	110	33	200	Qz dior	2020
20pkrc065	RC436	357246.22	5742582.39	Joint	16	10	75	100		2020
20pkrc066	RC437	357168.07	5740814.61	Shear Zone	32	135	82	225	shear wi white bull qz	2020

MapSta	Feature_ID	E_n83z10	N_n83z10	Code	Discov_Code	Struct_Strike	Struct_Dip	Struct_DipDir	Comments	Year
20pkrc069	RC438	357196.07	5740823.57	Bedding	1	105	80	195		2020
20pkrc069	RC439	357428.91	5740823.41	Joint	16	185	80	275	local jnting	2020
20pkrc069	RC440	357492.47	5740689.43	Foliation	17	60	55	150	qsp	2020

APPENDIX E

Table of Cut Field Samples for

Feldspar Staining & Terraspec Studies

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
2351	354903	5740352	X	X
2373	356617	5740618	X	X
2374	356507	5740643	X	X
2375	357769	5739563	X	X
2376	357840	5739539	X	X
2377	359979	5740736	X	X
2378	359789	5741291	X	X
17451	356421	5741735	X	X
19SI209-1	354925	5740566	X	X
19SI219-1	355388	5740973	X	X
19SI229-1	356185	5740060	X	X
19SI232-1	356219	5740000	X	X
19SI233-1	356283	5739931	X	X
19SI235-1	355110	5738465	X	X
19SI243-1	355792	5739769	X	X
19SI244-1	355761	5739822	X	X
19SI244-2	355761	5739822	X	X
19SI247-1	358798	5739038	X	X
19SI250-1	359118	5739373	X	X
19SI253-1	359641	5739510	X	X
19SI263-1	357965	5739827	X	X
19SI268-1	357898	5739878	X	X
19SI268-2	357898	5739878	X	X
19SI277-1	354736	5741062	X	X
19SI287-1	354257	5741597	X	X
19SI288-1	354306	5741589	X	X
19SI288-2	354306	5741589	X	X
20PKGD001	360522	5741452	X	X
20PKGD002	360544	5741396	X	X
20PKGD004	360405	5741320	X	X
20PKGD006	360304	5741349	X	X
20PKGD007A	360306	5741365	X	X
20PKGD007B	360306	5741365	X	X
20PKGD008	360273	5741415		X
20PKGD010	360208	5741414	X	X
20PKGD011	360077	5741380	X	X
20PKGD013	359990	5741289	X	X
20PKGD014	359909	5741276	X	X
20PKGD015	359799	5741261	X	X
20PKGD017	359746	5741216	X	X
20PKGD018	359825	5741101	X	X
20PKGD020	359957	5741029	X	X
20PKGD021	360140	5740997	X	X
20PKGD026	360651	5740717	X	X
20PKGD028A	360012	5741238	X	X
20PKGD028B	360012	5741238		X
20PKGD029	359994	5741213	X	X
20PKGD032	360468	5742165	X	X
20PKGD033	360432	5742134	X	X
20PKGD034	360320	5742011	X	X
20PKGD035	353376	5740114	X	X
20PKGD036	353340	5740090	X	X
20PKGD037A	353346	5740097	X	X
20PKGD037B	353346	5740097	X	X
20PKGD038	353311	5740017	X	X
20PKGD039	353286	5740035	X	X
20PKGD040A	353260	5740034	X	X
20PKGD040B	353260	5740034		X

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
20PKGD040C	353260	5740034		X
20PKGD042	353215	5740090	X	X
20PKGD044	353194	5740080	X	X
20PKGD045	353192	5740088	X	X
20PKGD046	353158	5740086	X	X
20PKGD047	353122	5740088	X	X
20PKGD049A	352903	5740135	X	X
20PKGD049B	352903	5740135		X
20PKGD050	352853	5740154	X	X
20PKGD052A	352793	5740169	X	X
20PKGD052B	352793	5740169		X
20PKGD053	352766	5740229	X	X
20PKGD054	352723	5740220	X	X
20PKGD056	352591	5740298	X	X
20PKGD057	352551	5740344	X	X
20PKGD059	352499	5740399	X	X
20PKGD062	352859	5740268	X	X
20PKGD065	352971	5740341	X	X
20PKGD068	353212	5740497	X	X
20PKGD071	353145	5740576	X	X
20PKGD072	353108	5740639	X	X
20PKGD075	354758	5739683	X	X
20PKGD081	354637	5739412	X	X
20PKGD084	354502	5739309	X	X
20PKLP001	360539	5741578	X	X
20PKLP002	360507	5741623	X	X
20PKLP004	360503	5741623	X	X
20PKLP005	360374	5741709	X	X
20PKLP006	360328	5741702	X	X
20PKLP007A	360224	5741730	X	X
20PKLP007B	360224	5741730		X
20PKLP008	360167	5741627	X	X
20PKLP010	359899	5741492	X	X
20PKLP011	359817	5741411	X	X
20PKLP012	359950	5741115	X	X
20PKLP014A	359999	5741206	X	X
20PKLP014B	359999	5741206		X
20PKLP015A	359977	5741251	X	X
20PKLP015B	359977	5741251	X	X
20PKLP016	360053	5741271	X	X
20PKLP017	360103	5741272	X	X
20PKLP018	360140	5741275	X	X
20PKLP019	360086	5741124	X	X
20PKLP020	360309	5740997	X	X
20PKLP021A	360072	5741274	X	X
20PKLP021B	360072	5741274	X	X
20PKLP022	359997	5741218	X	X
20PKLP023	359965	5741192	X	X
20PKLP024	359915	5741913	X	X
20PKLP025	359911	5742029	X	X
20PKLP026	359971	5741951	X	X
20PKLP027	360125	5741856	X	X
20PKLP028	360163	5741880	X	X
20PKLP029	360165	5741861	X	X
20PKLP030	354561	5739773	X	X
20PKLP031	354526	5739752	X	X
20PKLP033	354551	5739774	X	X
20PKLP034	354594	5739758	X	X

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
20PKLP035	354567	5739781	X	X
20PKLP036	354593	5739801	X	X
20PKLP037	354528	5739740	X	X
20PKLP038	354580	5739783	X	X
20PKLP040A	354673	5739828	X	X
20PKLP040B	354673	5739828	X	X
20PKLP043	354377	5739666	X	X
20PKLP044	354453	5739702	X	X
20PKLP046	354428	5739638	X	X
20PKLP047	354287	5739562	X	X
20PKLP048	354278	5739542	X	X
20PKLP049	354230	5739492	X	X
20PKLP050	354330	5739557	X	X
20PKLP051	354308	5739555	X	X
20PKLP052	354184	5739559	X	X
20PKLP053	354162	5739558	X	X
20PKLP054	354127	5739498	X	X
20PKLP055	354116	5739451	X	X
20PKLP057	354042	5739377	X	X
20PKLP058	353978	5739303	X	X
20PKLP059	353940	5739270	X	X
20PKLP060	354989	5740053	X	X
20PKLP061	354747	5739996	X	X
20PKLP063	354745	5739739	X	X
20PKLP064A	354728	5739690	X	X
20PKLP064B	354728	5739690	X	X
20PKLP065	354762	5739680	X	X
20PKLP066	354720	5739648	X	X
20PKLP067	354606	5739567	X	X
20PKLP068	354549	5739560	X	X
20PKLP069	354468	5739538	X	X
20PKLP070	354294	5739404	X	X
20PKLP071	354289	5739238	X	X
20PKLP072	354151	5739143	X	X
20PKRC001A	354182	5740522	X	X
20PKRC001B				
20PKRC003	354111	5740456	X	X
20PKRC005	353949	5740337	X	X
20PKRC010	353710	5740223	X	X
20PKRC012	353674	5740196	X	X
20PKRC017	353452	5740134	X	X
20PKRC018	353394	5740123	X	X
20PKRC019	353331	5740016	X	X
20PKRC026A	356266	5740623	X	X
20PKRC026B				
20PKRC028	356147	5740518	X	X
20PKRC030	356284	5740458	X	X
20PKRC031	357741	5743830	X	X
20PKRC035	358366	5741632	X	X
20PKRC038	358291	5741581	X	X
20PKRC039	358068	5741165	X	X
20PKRC041	358214	5741200	X	X
20PKRC042	358260	5741264	X	X
20PKRC043	358423	5741304	X	X
20PKRC047	358515	5741723	X	X
20PKRC048	358623	5741599	X	X
20PKRC051	358564	5741741	X	X
20PKRC053	358605	5741802	X	X

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
20PKRC054	358940	5741870	X	X
20PKRC055	358887	5741876	X	X
20PKRC064	357308	5742603	X	X
20PKRC070	357333	5740760	X	X
20PKRC074	357401	5740572	X	X
20PKRC075	357495	5740694	X	X
20PKRC077	357563	5740757	X	X
20PKRC084	357814	5740535	X	X
MC11	354979	5740077	X	X
MC12	354978	5740076	X	X
PEBR113A	356605	5742793	X	X
PEBR139	357487	5739773	X	X
PEBR141	357333	5739833	X	X
PEBR145	357085	5739849	X	X
PEBR155	358065	5739610	X	X
PEBR163	358742	5739633	X	X
PEBR169	356458	5742143	X	X
PEBR172	356315	5741969	X	X
PECM34				X
PECOO3D				X
PEMC03	356628	5740621	X	X
PEMC034	356435	5739983	X	X
PEMC10	354921	5740214	X	X
PEMC13	354963	5740074	X	X
PEMC14	355197	5740309	X	X
PEMC15	354980	5740056	X	X
PEMC16	355008	5740031	X	X
PEMC17	355115	5739949	X	X
PEMC18	355133	5739913	X	X
PEMC19	355139	5739906	X	X
PEMC20	355141	5739903	X	X
PEMC21	355170	5739867	X	X
PEMC23	355178	5739857	X	
PEMC24	355228	5739787	X	X
PEMC25	355272	5739715	X	X
PEMC26	355271	5739713	X	X
PEMC27	355287	5739685	X	X
PEMC28	355286	5739660	X	X
PEMC28	355286	5739660	X	X
PEMC29	355298	5739658	X	X
PEMC30	355369	5739569	X	X
PEMC31	356455	5739993	X	X
PEMC32	356427	5740006	X	X
PEMC33	356428	5740007	X	X
PEMC34	356435	5739983	X	
PEMC35	356445	5739976	X	X
PEMC36	356447	5739979	X	X
PEMC37	356441	5739960	X	X
PEMC38	356436	5739958	X	X
PEMC39	356441	5739931	X	X
PEMC40	356457	5739909	X	X
PEMC41	356481	5739884	X	X
PEMC42	356599	5739856	X	X
PEMC43	356648	5739835	X	X
PEMC44	358369	5739515	X	X
PEMC45	358350	5739502	X	X
PEMC46	358296	5739506	X	X
PEMC47	358042	5739384	X	X

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
PEMC48	357778	5739295	X	X
PEMC49	357808	5739357	X	X
PEMC50	357804	5739368	X	X
PEMC51	357778	5739454	X	X
PEMC52	357768	5739458	X	X
PEMC53	358011	5739183	X	X
PEMC54	358387	5739233	X	X
PEMC55	358384	5739272	X	X
PEMC59	357750	5739570	X	X
PEMC61	354104	5741106	X	X
PEMC62A	354135	5741286	X	X
PEMC62B	354135	5741286	X	X
PEMC63	354070	5741087	X	X
PEMC64	354068	5741195	X	X
PEMC65	354063	5741189	X	X
PEMC66	354037	5741186	X	X
PEMC67	354049	5741163	X	X
PEMC68	354023	5741136	X	X
PEMCO1	356391	5740656	X	X
PEMCO2	356511	5740632	X	X
PEMCO3B	356628	5740621	X	X
PEMCO3C	356628	5740621	X	X
PEMCO3E	356628	5740621	X	X
PEMCO3G	356628	5740621	X	X
PEMCO3H	356628	5740621	X	X
PEMCO3I	356628	5740621	X	X
PEMCO4	356239	5740634	X	X
PEMCO5	356103	5739494	X	X
PEMCO6	354909	5740358	X	X
PEMCO7	354908	5740397	X	X
PEMCO8	354913	5740400	X	X
PEMCO9	356625	5742778	X	X
PEMCOO3A	356628	5740621	X	X
PEMCOO3D	356628	5740621	X	
PESE166A	358522	5740840	X	X
PESE166B	358522	5740840	X	X
PESE166C	358522	5740840	X	X
PESE248	356648	5740644	X	X
PESE251	356584	5740675	X	X
PESE260	356614	5740738	X	X
PESE284	356124	5740569	X	X
PESE303	356280	5740465	X	X
PESE333	357768	5739552	X	X
PESE336	355754	5741333	X	X
PESE360	354317	5741144	X	X
PESE362	354278	5741232	X	X
PESE390	358348	5740038	X	X
PESE475	355963	5739683	X	X
PESE475	355963	5739683	X	X
W591791	355750	5741158	X	X
W591792	355756	5741324	X	X
W591793	355985	5741647	X	X
W591794	356293	5739926	X	X
W591795	355833	5739742	X	X
W591797	359235	5739438	X	X
W591798	357969	5739809	X	X
W591799	357973	5739816	X	X
W591800	357959	5739813	X	X

Sample_No	E_N83z10	N_N83z10	Slab-K-spar Stain	Terraspec
X517901	354929	5740186	X	X
X517903	355295	5739651	X	X
X517904	355322	5739622	X	X
X517907	356472	5739955	X	X
X517909	357748	5739508	X	X
X517910	357752	5739496	X	X
X517911A	357750	5739500	**X**	X
X517911B	357750	5739500	**X**	X
X517912	357829	5739542	**X**	X
X517913	357783	5739551	X	X
X517914	357770	5739554	X	X
X517915	357767	5739553	X	X
X517916	357734	5739489	X	X
X517919	353963	5740490	X	X
X517920	354043	5741195	X	X
X517921	354039	5741172	X	X
X517936	357940	5739824	X	X
X517937	358056	5740174	X	X
			296	303

352000 353000 354000 355000 356000 357000 358000 359000 360000 361000

5744000 5743000 5742000 5741000 5740000 5739000 5738000 5737000 5736000

N

Colwell Lake

ROCKY 9
ROCKY 8
ROCKY 7
ROCKY 5
ROCKY 6
ROCKY 3
ROCKY 2
ROCKY 4

PERK 7
PERK 6
PERK3
PERK
PERK 3
PERK 5
PERK 2
PERK 4

BOSSBIRD

Bluebell West
Bluebell
Commodore
Mountain Boss
Pin 2
Pin 1
Britton
Chilco
Rya

Perkins Peak

Cayoosh Creek

Klinaklini River

ROCKY WEST

Legend

Geology

Outcrop lithology

- Hydrothermal breccias
- Diabase dykes
- Feldspar hornblende porphyry dykes
- Feldspar porphyry dykes
- Quartz-feldspar porphyry dykes
- Microdiorite
- Diorite
- Quartz diorite to latite
- Tonalite
- Cloud Drifter sediments
- Mosley Fm: undifferentiated intermed. volcanics
- Mosley Fm: maroon volcaniclastics
- Mosley Fm: quartz-sericite-py schist

Limits of colour anomaly

- Limits of colour anomaly

Faults

Type

- Normal Fault
- Thrust Fault
- Adit
- Claim outlines

Cu showings

- Float
- Outcrop or subcrop

0 250 500 750 1,000 Metres

Ethos Gold Corp

PERK-ROCKY PROJECT

PROPERTY GEOLOGY

Date: 2021-Jan-25
NAD 1983 UTM Zone 10N

FIG. 5

352000 353000 354000 355000 356000 357000 358000 359000 360000 361000

5744000 5743000 5742000 5741000 5740000 5739000 5738000 5737000 5736000

N

Colwell Lake

ROCKY 9
ROCKY 8
ROCKY 7
ROCKY 5
ROCKY 6
ROCKY 3
ROCKY 4
ROCKY 2
ROCKY 1
PERK 7
PERK 6
PERK 5
PERK 4
PERK 3
PERK 2
PERK 1
BOSSBIRD

Bluebell West
Bluebell
Commodore
Mountain Boss
Pin 2
Pin 1
Britton
Chikko
Rya
Perkins Peak
ROCKY WEST

Chromium Creek
Klinakilini River

Interpreted Alteration

Alteration

- Propylitic alteration - epid+/-chlorite
- Intense pervasive silicification
- Strong advanced argillic alteration
- Potassic alteration - pervasive fine-grained biotite
- Sericite-quartz-pyrite alteration, schistose and easily weathered to limonite

Structures

- Bedding
- Foliation
- Joint

Faults

- Normal Fault
- Thrust Fault
- Limits of colour anomaly
- Perk Claim Boundary
- Adit
- Perk Prospects
- Claim outlines

Cu showings

Material

- Float
- Outcrop or subcrop

0 200 400 600 800 1,000 Metres

Ethos Gold Corp.

PERK-ROCKY PROJECT

ALTERATION MAP

Date: 2021-Jan-26

Spatial Reference
Name: NAD 1983 UTM Zone 10N

FIG. 6

352000 353000 354000 355000 356000 357000 358000 359000 360000 361000

5745000 5744000 5743000 5742000 5741000 5740000 5739000 5738000

N

Colwell Lake

Perkins Peak

Bluebell West

Bluebell

Commodore

Mountain Boss

Chilco

Briton

Rya

Pin 2

Pin 1

ROCKY WEST

Chromium Creek

Klinaklini River

ROCKY 9

ROCKY 8

ROCKY 7

ROCKY 6

ROCKY 5

ROCKY 4

ROCKY 3

ROCKY 2

PERK 7

PERK 6

PERK 5

PERK 4

PERK 3

PERK 2

PERK

BOBSBIRD

A0830104 A0830101 A0830102 A0830103 A0830100 A0830099 A0830098 A0830097 A0830096 A0830095 A0830094 A0830093 A0830092 A0830091 A0830090 A0830089 A0830088 A0830087 A0830086 A0830085 A0830084 A0830083 A0830082 A0830081 A0830080 A0830079 A0830078 A0830077 A0830076 A0830075 A0830074 A0830073 A0830072 A0830071 A0830070 A0830069 A0830068 A0830067 A0830066 A0830065 A0830064 A0830063 A0830062 A0830061 A0830060 A0830059 A0830058 A0830057 A0830056 A0830055 A0830054 A0830053 A0830052 A0830051 A0830050 A0830049 A0830048 A0830047 A0830046 A0830045 A0830044 A0830043 A0830042 A0830041 A0830040 A0830039 A0830038 A0830037 A0830036 A0830035 A0830034 A0830033 A0830032 A0830031 A0830030 A0830029 A0830028 A0830027 A0830026 A0830025 A0830024 A0830023 A0830022 A0830021 A0830020 A0830019 A0830018 A0830017 A0830016 A0830015 A0830014 A0830013 A0830012 A0830011 A0830010 A0830009 A0830008 A0830007 A0830006 A0830005 A0830004 A0830003 A0830002 A0830001 B498501 B498502 B498503 B498504 B498505

Legend

Geology

Limits of colour anomaly

Features

Adit

Claim outlines

2020 rock samples - No.

Cu showings

Float

Outcrop or subcrop

0 250 500 750 1,000 Metres

Ethos Gold Corp.

PERK-ROCKY PROJECT

2020 ROCK SAMPLES

Date: 2021-Feb-09
NAD 1983 UTM Zone 10N

FIG. 8

352000 353000 354000 355000 356000 357000 358000 359000 360000 361000

5745000 5744000 5743000 5742000 5741000 5740000 5739000 5738000

N

Colwell Lake

Perkins Peak

Bluebell West

Bluebell

Commodore

Mountain Boss

Briton

Chilco

Rya

Pin 1

Pin 2

ROCKY WEST

ROCKY 9

ROCKY 8

ROCKY 7

ROCKY 6

ROCKY 5

ROCKY 4

ROCKY 3

ROCKY 2

PERK 7

PERK 6

PERK 5

PERK 4

PERK 3

PERK 2

PERK

BOBSBIRD

Chromium Creek

Klinaklini River

Legend

Geology

Limits of colour anomaly

Features

Adit

Claim outlines

2020 rock samples - ppm Cu

Cu showings

Float

Outcrop or subcrop

0 250 500 750 1,000 Metres

Ethos Gold Corp.

PERK-ROCKY PROJECT

2020 ROCK SAMPLES
ppm Cu

Date: 2021-Feb-04
NAD 1983 UTM Zone 10N

FIG. 9

352000 353000 354000 355000 356000 357000 358000 359000 360000 361000

5745000 5744000 5743000 5742000 5741000 5740000 5739000 5738000

N

Colwell Lake

Perkins Peak

Chromium Creek

Klinaklini River

ROCKY 8

ROCKY 7

ROCKY 9

ROCKY 5

ROCKY 6

ROCKY 3

ROCKY 2

ROCKY 4

PERK 7

PERK 6

PERK3

PERK

PERK 3

PERK 5

PERK 2

PERK 4

BOBSBIRD

Bluebell West

Bluebell

Commodore

Mountain Boss

Chilco

Briton

Rya

Pin 2

Pin 1

ROCKY WEST

Legend

Geology

- Limits of colour anomaly

Features

- Adit
- Claim outlines
- 2020 rock samples - ppm Au

Cu showings

- Float
- Outcrop or subcrop

0 250 500 750 1,000 Metres

Ethos Gold Corp.

PERK-ROCKY PROJECT

2020 ROCK SAMPLES
ppm Au

Date: 2021-Feb-04
NAD 1983 UTM Zone 10N

FIG. 10