

**BC Geological Survey
Assessment Report
42518**



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical, Geophysical

TOTAL COST: 21,603.70

AUTHOR(S): Darcy Vis P. Geo.

SIGNATURE(S):



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

YEAR OF WORK: 2024

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 6054126/Jan 27, 2025, 6056679/Feb 9, 2025
6063671/March 24, 2025

PROPERTY NAME: Cowichan

CLAIM NAME(S) (on which the work was done): 1114774, 1115898

COMMODITIES SOUGHT: Gold, Silver, Copper, Zinc

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Victoria

NTS/BCGS: 92C015/92C.088

LATITUDE: 48 ° 52 ' 10 " LONGITUDE: 124 ° 24 ' 44 " (at centre of work)

OWNER(S):

1) Darcy Vis

2)

MAILING ADDRESS:

148-2770 Leigh Road

Langford BC V9B 4G1

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

1) Darcy Vis

2)

MAILING ADDRESS:

148-2770 Leigh Road

Langford BC V9B 4G1

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

Cowichan, Bonanza, Wrangellia, Argillic Alteration, Epithermal

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 642, 2163, 3671, 22155, 8250, 15821, 9579, 39563, 40741, 41595, 42009, 3649, 37601, 29659, 12530

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			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic	3	1114774	5380.03
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt	1	1115898	76.28
Rock	34	1114774, 1115898	16147.39
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
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:			21,603.70

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: VIS, DARCY BEREND (280031) **Submitter:** VIS, DARCY BEREND (280031)
Recorded: 2025/JAN/27 **Effective:** 2025/JAN/27
D/E Date: 2025/JAN/27

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6054126
Work Type: Technical Work
Technical Items: Geochemical, Geophysical
Work Start Date: 2024/OCT/03
Work Stop Date: 2024/OCT/18
Total Value of Work: \$ 14000.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value
1111263		2024/FEB/14	2025/FEB/14	2026/FEB/11	362	127.49	\$ 632.22
1114774	Gold Dyke	2024/AUG/01	2025/FEB/14	2026/FEB/11	362	1083.66	\$ 5373.76
1114775	Archer	2024/AUG/01	2025/FEB/14	2026/FEB/11	362	1359.70	\$ 6742.62
1115898		2024/SEP/10	2025/SEP/10	2026/FEB/11	154	276.22	\$ 582.71
1116445		2024/OCT/02	2025/OCT/02	2026/FEB/11	132	361.37	\$ 653.44

Financial Summary:

Total applied work value: 13984.75
PAC name: Darcy Berend Vis

Note: Any PAC debit and credit amounts will be calculated after the assessment report has been submitted and approved.

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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: VIS, DARCY BEREND (280031) **Submitter:** VIS, DARCY BEREND (280031)
Recorded: 2025/FEB/09 **Effective:** 2025/FEB/09
D/E Date: 2025/FEB/09

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6056679
Work Type: Technical Work
Technical Items: Geochemical
Work Start Date: 2025/FEB/07
Work Stop Date: 2025/FEB/08
Total Value of Work: \$ 2500.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value
1111263		2024/FEB/14	2026/FEB/11	2026/FEB/11	0	127.49	\$ 0.00
1111267	Jasper 1	2024/FEB/14	2025/FEB/14	2025/OCT/01	229	191.33	\$ 600.20
1111268		2024/FEB/14	2025/FEB/14	2025/OCT/01	229	42.52	\$ 133.40
1111269	Jasper 2	2024/FEB/14	2025/FEB/14	2025/OCT/01	229	42.52	\$ 133.38
1111270	Jasper 3	2024/FEB/14	2025/FEB/14	2025/OCT/01	229	42.54	\$ 133.44
1111272	Jasper 4	2024/FEB/14	2025/FEB/14	2025/OCT/01	229	382.72	\$ 1200.59
1111277		2024/FEB/14	2025/FEB/14	2025/OCT/01	229	84.98	\$ 266.59
1114774	Gold Dyke	2024/AUG/01	2026/FEB/11	2026/FEB/11	0	1083.66	\$ 0.00
1114775	Archer	2024/AUG/01	2026/FEB/11	2026/FEB/11	0	1359.70	\$ 0.00
1115898		2024/SEP/10	2026/FEB/11	2026/FEB/11	0	276.22	\$ 0.00
1116445		2024/OCT/02	2026/FEB/11	2026/FEB/11	0	361.37	\$ 0.00
1119501		2025/JAN/27	2026/JAN/27	2026/JAN/27	0	106.26	\$ 0.00
1119922		2025/FEB/04	2026/FEB/04	2026/FEB/04	0	404.21	\$ 0.00
1119923		2025/FEB/04	2026/FEB/04	2026/FEB/04	0	85.01	\$ 0.00
1119924		2025/FEB/04	2026/FEB/04	2026/FEB/04	0	127.50	\$ 0.00

Financial Summary:

Total applied work value: 2467,60

PAC name: Darcy Berend Vis

Note: Any PAC debit and credit amounts will be calculated after the assessment report has been submitted and approved.

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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: VIS, DARCY BEREND (280031) **Submitter:** VIS, DARCY BEREND (280031)
Recorded: 2025/MAR/24 **Effective:** 2025/MAR/24
D/E Date: 2025/MAR/24

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6063671

Work Type: Technical Work
Technical Items: Geochemical

Work Start Date: 2025/FEB/07
Work Stop Date: 2025/FEB/10
Total Value of Work: \$ 5103.70
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value
1111263		2024/FEB/14	2026/FEB/11	2026/APR/05	53	127.49	\$ 92.56
1111267	Jasper 1	2024/FEB/14	2025/OCT/01	2026/APR/05	186	191.33	\$ 487.50
1111268		2024/FEB/14	2025/OCT/01	2026/APR/05	186	42.52	\$ 108.35
1111269	Jasper 2	2024/FEB/14	2025/OCT/01	2026/APR/05	186	42.52	\$ 108.33
1111270	Jasper 3	2024/FEB/14	2025/OCT/01	2026/APR/05	186	42.54	\$ 108.38
1111272	Jasper 4	2024/FEB/14	2025/OCT/01	2026/APR/05	186	382.72	\$ 975.15
1111277		2024/FEB/14	2025/OCT/01	2026/APR/05	186	84.98	\$ 216.53
1114774	Gold Dyke	2024/AUG/01	2026/FEB/11	2026/APR/05	53	1083.66	\$ 786.77
1114775	Archer	2024/AUG/01	2026/FEB/11	2026/APR/05	53	1359.70	\$ 987.18
1115898		2024/SEP/10	2026/FEB/11	2026/APR/05	53	276.22	\$ 200.54
1116445		2024/OCT/02	2026/FEB/11	2026/APR/05	53	361.37	\$ 262.37
1119501		2025/JAN/27	2026/JAN/27	2026/APR/05	68	106.26	\$ 98.99
1119922		2025/FEB/04	2026/FEB/04	2026/APR/05	60	404.21	\$ 332.23
1119923		2025/FEB/04	2026/FEB/04	2026/APR/05	60	85.01	\$ 69.87
1119924		2025/FEB/04	2026/FEB/04	2026/APR/05	60	127.50	\$ 104.80

Financial Summary:

Total applied work value: 4939.55

PAC name: Darcy Berend Vis

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ASSESSMENT REPORT
on the
COWICHAN PROPERTY 2025

Event Number: 6054126/Jan 27, 2025, 6056679/Feb 09, 2025, 6063671/Mar 24, 2025

Claims Worked On: 1114774, 1115898

Located in the
Victoria Mining Division
British Columbia, Canada

NTS Map Sheet: 92C015
BCGS Map Sheet: 92C.088
North Latitude: 48° 52' 10"
West Longitude: 124° 24' 44"

Prepared by
Darcy Vis, B.Sc., P.Geol.
March 2025

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1 INTRODUCTION

In 2024 geochemical rock sampling, soil pH testing, ground geomagnetics, SWIR, Remote Sensing, and Quartz Texture review was completed over the Gold Dyke and Frontend zones of the Cowichan Project, located near Caycuse, BC. From the work completed it was determined that the Gold Dyke Zone constitutes an Intermediate Sulphidation Epithermal Gold system.

2 LOCATION, ACCESS, PHYSIOGRAPHY & CLIMATE

The Cowichan Property is located roughly 1km south of Caycuse, BC along the south shore of Cowichan Lake, 90km northwest of Victoria, BC on Vancouver Island. Access to the property is via logging roads including the South Shore Road, McClure Main, Granite Creek Main, Caycuse Hookup, and Renfrew Road. Gates located on the south and north end of the Caycuse Hookup, and a large washout on the Granite Creek Main limit access using those roads. Nearby towns include Caycuse (Pop. 65), Honeymoon Bay (Pop. 580), and Lake Cowichan (Pop. 3226). The property sits on the traditional territories of the Ditidaht First Nation, the Pacheedaht First Nation, and the Hul'qumi'num Treaty Group. Portions of the property are on land that have private surface rights held by Timberwest Forest Ltd., and Hancock Forest Management Inc, with the remaining claims on Crown Land.

The terrain on the property is moderately rugged with steep hills, and deep cut creeks characteristic of the Vancouver Island ranges. Elevations vary from approximately 1000m above sea level (asl) on Mount Vernon, down to about 200m asl in the valley bottoms. The vegetation is typically dense with thick underbrush and second/third growth coniferous trees. The entire property has been logged at least once and no old growth trees remain. Newer logging cut blocks exist on the property and recent/current logging is being completed by Mosaic Forest Management and Hancock Forest Management. Due to the dense forest the best rock exposures are within road cuts, within cut blocks, and creek beds.

Drainage for the area is provided by numerous small creeks flowing into larger creeks and rivers. The Granite and Vernon Creeks, which flow into the Nitinat River, provide drainage for the far western portion of the claims. Raymond Creek, which flows into the North flowing Nixon Creek drains the center portion of the property into Cowichan Lake. The Gordon River drains the eastern portion of the property, which flows south to the Pacific Ocean.



Figure 1. General location map of the property.

3 LAND TENURE AND CLAIM STATUS

As of March 24, 2025 the Cowichan Property is comprised of 17 claim blocks totaling 6567.94 hectares.

Table 1. Property claim list.

Tenure ID	Owner	Issue Date	Good to Date*	Area
1111263	280031	2024-02-14 10:01	2026-02-11	127.4918
1111267	280031	2024-02-14 10:40	2025-10-01	191.3296
1111268	280031	2024-02-14 10:45	2025-10-01	42.5244
1111269	280031	2024-02-14 10:51	2025-10-01	42.5176
1111270	280031	2024-02-14 11:00	2025-10-01	42.5366
1111277	280031	2024-02-14 15:47	2025-10-01	84.9813
1114774	280031	2024-08-01 9:13	2026-02-11	1083.659
1114775	280031	2024-08-01 9:13	2026-02-11	1359.699
1115898	280031	2024-09-10 9:46	2026-02-11	276.2188
1119501	280031	2025-01-27 15:56	2026-01-27	106.2635
1116445	280031	2024-10-02 12:33	2026-02-11	361.3723
1121823	280031	2025-03-14 15:30	2026-03-14	127.5055
1119922	280031	2025-02-04 13:26	2026-02-04	404.2124
1119923	280031	2025-02-04 13:27	2026-02-04	85.0079
1119924	280031	2025-02-04 13:29	2026-02-04	127.5017
1121857	280031	2025-03-15 13:46	2026-03-15	1722.392
1111272	280031	2024-02-14 11:24	2025-10-01	382.7212
TOTAL				6567.935

* Good to date pending government approval.

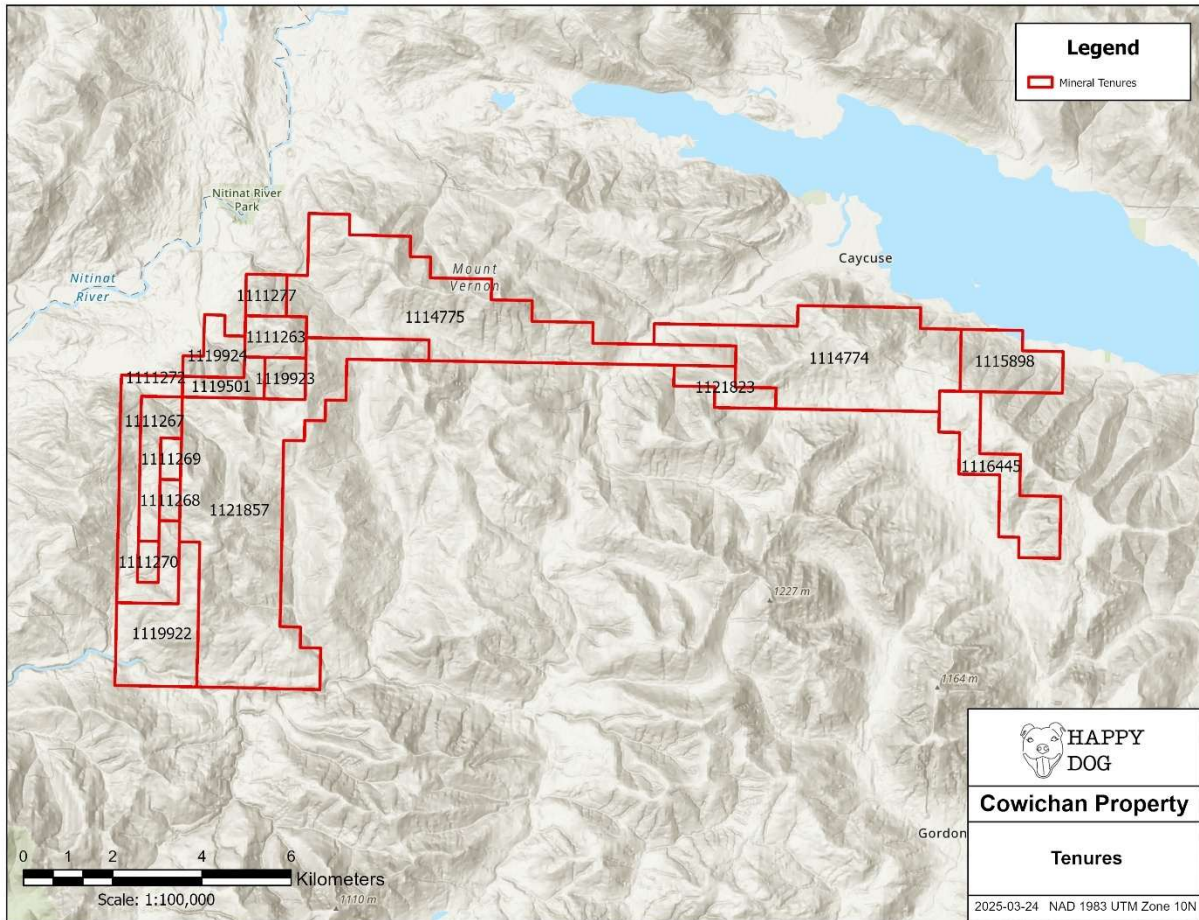


Figure 2. Property claim map.

4 EXPLORATION HISTORY

The present-day Cowichan Property was first worked on in 1885 when 3 placer gold claims were staked along the north side of the Gordon River. This work continued from 1886 to 1889. In 1912 it was reported that gold and opal were found in the headwaters of the Gordon River (MINFILE 092C238). The Cowichan Property itself was first explored for hard rock in 1911 when an adit was driven to explore galena-sphalerite mineralization in a quartz-carbonate filled shear zone known as the Silver Leaf Showing, located at the headwaters of the Gordon River. The adit is believed to have been ~27 m long, with a bearing of ~110°, but has yet to be rediscovered. In the mid-1960s, a prospector named Wally Deans restaked the Silver Leaf showing under the name “May” and carried out minor prospecting, but no information is available from that work (Payne, 1987).

Around 1920, F. Hallberg and K. Hallberg discovered massive chalcopyrite in the Caycuse River. Between 1956 and 1959, Caycuse Copper Co. Ltd. intermittently sampled along 275 m of the Caycuse River’s northern bank, returning an average of 3.30% Cu (Armstrong, 1983).

In 1964, Avallin Mines Ltd. conducted a program of geological mapping and soiling sampling along Granite Creek, near Mount Vernon and around the NW portion of the current Cowichan Property. The mapping showed that the area was underlain by limestone, tuff, fragmental volcanics, andesite, and basaltic flows that had been intruded by granodiorite and feldspar porphyry plutons. High temperature chalcopyrite-magnetite replacement occurred within the limestone in proximity to the feldspar porphyritic rocks. Pyrite and chalcopyrite with traces of bornite occurred in altered, sheared, and brecciated quartz feldspar porphyry intrusions (Malcolm, 1965).

In 1969, Quintana Minerals Corporation completed a geological mapping and soil sampling program over a large area west of Nixon Creek on the Gate, AV, Tan, O.G.M., and Tana groups. Approximately 3000 soil samples were collected and assayed for Copper and Molybdenum, some of which were completed on the current Cowichan Property claims. Mapping over the claims show Bonanza Gp volcanics to the north and Karmutsen Fm basalt to the south. Mineralization was found east of Granite Creek, displaying pyrite with traces of chalcopyrite and molybdenum within the feldspar porphyry rocks (Malcolm 1969).

Between March and July of 1970, Terrace Bell Mines Ltd. conducted soil sampling, geological mapping, and ground magnetometer surveying on the Nitinat Lake Property. This work occurred just east of the Nitinat River, bordering the westernmost extent of the current Cowichan Property. A total of 16,400 ft of baseline was surveyed, and 1356 soil samples were analyzed, but results were considered inconclusive as observed anomalies were scattered randomly (Freberg, 1970). Between June and December of that same year, Hudson Bay Exploration and Development Company Ltd. conducted soil sampling, prospecting, and geological mapping on their Tam-Easy claims. These claims were SE and adjacent to the Terrace Bell Mines Ltd. Property, and overlap the westernmost portion of the current Cowichan Property. The mapping observed various Vancouver Gp volcanics intruded by diorite dykes, with widespread pyrite and chalcopyrite mineralization, as well as minor pyrite-galena-sphalerite veins. A total of 2257 soil samples were analyzed, with result having warranted further investigation (Freberg, 1971). In 1971, Hudson Bay Exploration and Development Company Ltd. conducted an IP geophysical survey over the Tam-Easy claims, which identified several strong chargeability anomalies that appear to correlate with Cu-Ag-Mo geochemical anomalies (White & Stevenson, 1971).

In 1971, J.M. McNulty took 5 rock samples of skarn along the Caycuse River, which returned 1.27–4.45% Cu with an average of 3.20% Cu and 8.2 g/t Au. Analyses of an additional 7 rock samples from these sites were released later on with an average of 4.01% Cu and 16.2 g/t Ag (Armstrong, 1983).

Between July 1971 and May 1972, Marshall Creek Copper Mining Co. Ltd. conducted soil sampling on the JD-Pan groups, north of Caycuse River and overlapping the far SW corner of the current Cowichan Property. A total of 1400 samples were analyzed and yielded a background value of 50 ppm Cu, with soils proximal to siliceous andesite returning 100–500 ppm Cu (Malcolm, 1972).

In 1975, G.W. Horsman (a bulldozer operator for McMillan Bloedel) staked 10 mineral claims after finding magnetite and chalcopyrite bearing rock while road building. The claims were staked on the north side of Raymond Creek, on the south slope of Mt. Vernon. He brought various samples to Dr. G.E.P. Eastwood at the Geological Division of the Mineral Resources Branch of the BC Department of Mines and Petroleum

Resources. One sample contained massive pyrrhotite with magnetite and chalcopyrite (assayed trace gold, 0.3 oz/ton silver, and 0.75% copper). Another sample was granite that had been silicified and heavily pyritized (assayed trace gold and silver). During a site visit by Dr. G.E.P Eastwood he noted that all of the rocks exposed in the road cuts are “white” and “appears to be an altered volcanic”. Two pits in the ditch of the upper road exposed narrow bands of magnetite in epidote skarn, but no locations were provided (Eastwood, 1975).

In November of 1975, Hudson Bay Exploration and Development Company Ltd. conducted rock prospecting and mapping on the Easy claims, a subset of the Tam-Easy claims. A total of 38 rock chip samples were collected along road cuts, and yielded anomalies proximal to prior soil sampling anomalies, indicating the broader copper soil anomalies which lack such corroboration are still likely close to their source (Bidwell, 1976).

In May of 1976, Fox Geological Consultants Ltd. conducted geological mapping and rock sampling on the NR claim of the Avalon Property, now the NW corner of the Cowichan Property. A total of 7 rock samples were collected from outcrop and prospect pits, all actinolite-magnetite skarn within Quatsino Fm limestone, and returned between 0.01–16.0% Cu (Fox, 1976).

In 1977, G.W. Laforme conducted stream silt sampling along Tenas Creek and Granite Creek, with Granite Creek returning anomalous Cu. Prospecting around those creeks followed, with a rock sample yielding 136 ppm Cu, 1.3 ppm Ag, and 570 ppb Au (Laforme, 1978).

In April of 1980, Union Miniere Explorations and Mining Corporation Ltd. conducted soil sampling on the Judith claim, north of the Caycuse River and now around the SW corner of the Cowichan Property. A total of 156 samples were analyzed, yielding up to 1300 ppm Cu and 1580 ppm Zn (Pauwels, 1980).

In 1981, Invex Resources Ltd. examined the Silver Leaf showing and completed limited rock chip sampling along the adit entrance, but no data is available (Payne, 1987).

Between April and May of 1981, Westlake Resources Inc. conducted soil sampling, rock sampling, and a VLF-EM survey on the Lori claims. These claims are located south of Nitinat River and are now ~3.5 km west of the Cowichan Property. The claims are underlain by silicified Bonanza Gp volcanics mineralized with pyrite-chalcopyrite-sphalerite. Several Cu-Pb-Zn-Ag anomalies were identified, as well as a few scattered samples with Au (Ryback-Hardy, 1981).

In May of 1981, Malabar Mines Ltd. conducted soil sampling and rock sampling on the Jasper #1 claim, north of Caycuse River and now at the SW corner of the Cowichan Property. A total of 73 soil samples were analyzed and returned strong Cu-Pb-Zn anomalies, whereas 2 rock samples from quartz veins yielded 0.400 and 0.144 oz/t Au (Culbert, 1982).

In 1983, Alcyone Explorations Ltd. conducted rock sampling on the FD claims, SE of the Nitinat River and now around the westernmost portion of the Cowichan Property. A total of 5 rock samples were collected, all actinolite-magnetite skarn in lithology, and yielding up to 0.60 oz/t Ag and 7.87% Cu (Jones, 1983).

Between 1983 and 1984, Ron Bilquist and Les Allen conducted rock prospecting on the Jasper #1 claim north of the Caycuse River, and now at the SW corner of the Cowichan Property. A total of 19 rock samples were analyzed, yielding up to 0.21 oz/t Au, 1.08 oz.t Ag, 2.50% Cu, and 26.53% Zn (Bilquist, 1984).

In February of 1984, Ajax Resources Ltd. conducted geological mapping, magnetometer and VLF-EM surveys, and minor soil and rock chip sampling on the Hank claim. This work occurred north of the Caycuse River, now within the SW corner of the Cowichan Property. A total of 15 rock samples from the "CR" mineralized zone were analyzed, yielding an average of 2.02% Cu and 0.213 oz/t Ag amongst representative samples, whereas high-grade samples returned up to 16.30% Cu and 1.818 oz/t Ag. The geophysical surveys appeared to be effective at identifying skarn zones of massive sulphides (Harris, 1984).

Between August and September of 1984, Golden Hind Ventures Ltd. (formerly called Alcyone Explorations Ltd.) conducted soil sampling on the FD claims. A total of 460 samples were analyzed, indicating several Cu-Ag anomalies which suggest the most significant skarn mineralization is occurring upslope to the east of the FD claims (Hansen, 1984).

Between August and October of 1984, Falconbridge Ltd. conducted soil sampling, rock sampling, and 3 km of VLF-EM surveying on the Jasper claims group, now the western portion of the Cowichan Property. A total of 104 soil samples were collected, yielding several Au/Cu/Zn anomalies. A total of 56 rock samples were analyzed, returning up to 2.31% Cu, 16.0 ppm Ag, and 725 ppb Au (Chandler & Hudson, 1985).

In 1985, Vincent Allan conducted soil sampling on the Eagle 4 claim, now the SE corner of the Cowichan Property. A total of 62 samples were analyzed (Allan, 1985). Geological mapping was conducted there the following year (Allan, 1986).

In 1986, Orbex Industries Inc. re-staked the Silver Leaf showing area, renamed it Gold Dyke, and carried out soil sampling and diamond drilling. They collected 189 soil samples over a grid centered on the historic adit and completed five BQWL-sized diamond drill holes totaling 427 m. The soil sampling grid showed weak Au, Ag, Pb, and As anomalies. Drilling intercepted altered, pyritic, grey, porphyritic volcanics and magnetic andesite. Within the altered volcanics, two quartz-carbonate veins hosting galena and sphalerite were intercepted with widths of 3.4 m and 6.48 m respectively. Assays from the drilling showed intercepts of elevated Au, Ag, Pb, and Zn (Payne 1987).

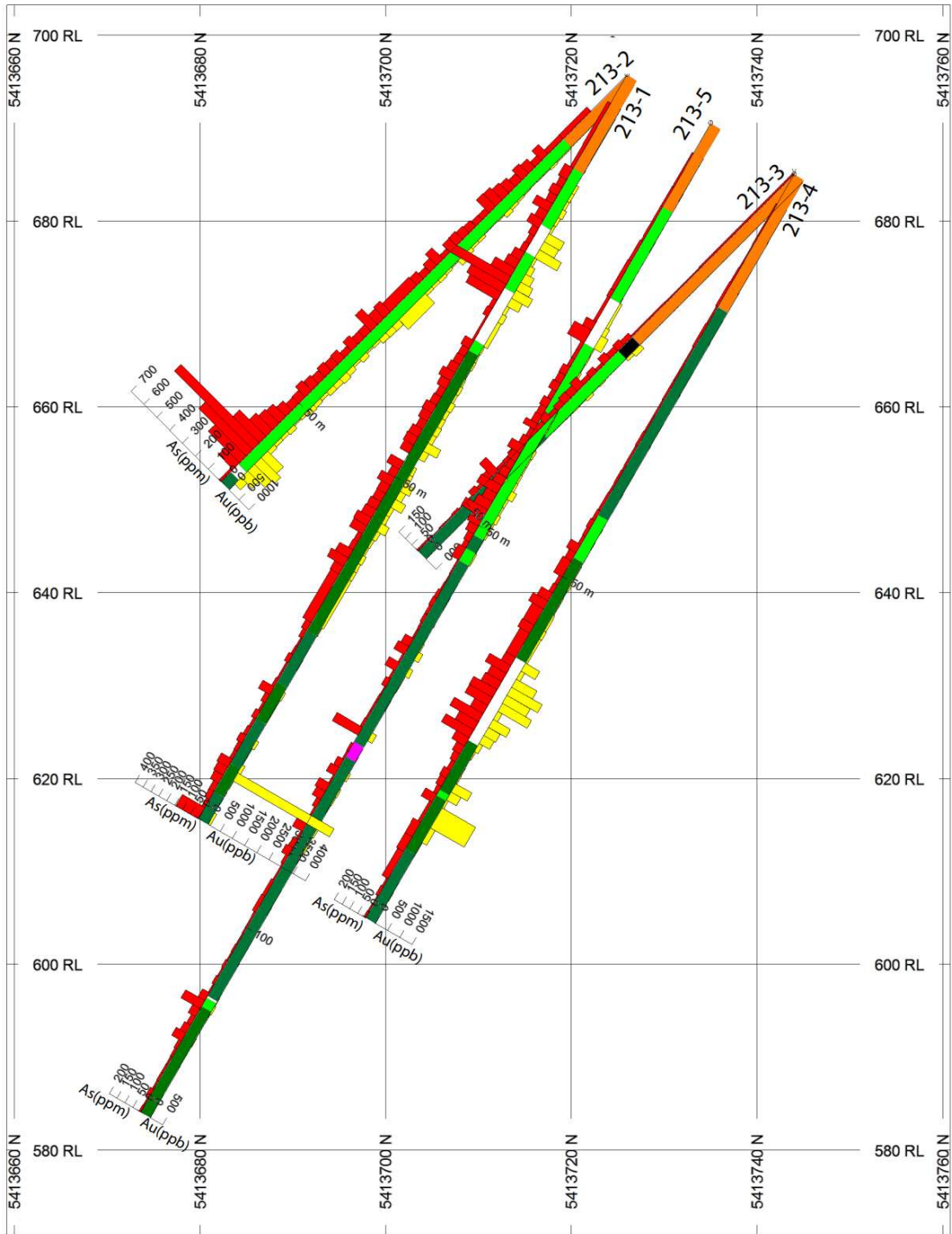


Figure 3. Drill Section from the 1986 Orbex Industries drilling on the Gold Dyke (data from Payne 1987).

In April of 1987, Ajax Resources Ltd. conducted mapping and magnetometer surveying on the Hank claim. These efforts did not identify new mineralization zones, but the magnetic survey indicated that the “CR” zone may extend northwards (Bartier, 1987).

At some point, Falconbridge conducted 188.37 m of drilling at the “Main” showing of the Jasper claims, encountered poor continuity of mineralization below surface, and ultimately terminated their option agreement in 1986. Asamera Minerals Inc. acquired the Jasper Property and conducted geological mapping as well as soil sampling in July of 1987. In the central portion of the Jasper #1 claim, 154 soil samples were analyzed and showed a 300+ m gold anomaly suggested to be related to a NE-trending fracture zone (DuPré, 1987).

In 1987, Nuspar Resources Ltd. completed geological mapping and diamond drilling on the Buz and Wabana 1 claims, located east of Granite Creek and north of Raymond Creek, near Mount Vernon around the NW portion of the current Cowichan Property. A series of 4 drill holes totaling 104.38 m was completed but all failed to intersect skarn mineralization (Fischl, 1987). That same year, geological mapping, trenching, and diamond drilling were also conducted on the adjacent Archer 1, Archer 2, and Tatters 2 claims located just to the east. A series of 5 EX-sized drillholes were completed for a total of 113 m. Intervals with anomalous Au-Ag values were intercepted within pyritized Bonanza Gp felsic volcanics and andesitic dykes (Fischl, 1988). A news release dated November 5th, 1987, stated that a couple of 300 lb bulk samples were graded at 0.39 oz/t Au, and that 10 additional 30 lb samples assayed between 0.014 – 0.061 oz/t Au (Nuspar Resources Ltd., 1987). A further news release dated May 24th, 1988, stated that up to 21 drillholes had been completed, but information on these subsequent efforts was not made public (Nuspar Resources Ltd., 1988).

In 1987, Vincent Allan and James R. Harrington conducted a magnetometer, VLF-EM, and radiometric geophysical survey on the Eagle 4 claim. Subsurface faults and mineralized zones were potentially identified (Allan, 1987).

In 1991, R.W. Neil completed silt sampling along Raymond Creek on the Muckaway claims, south of Mount Vernon and around the central-west portion of the current Cowichan Property. These samples returned Au values ranging between 0.505 – 3.360 ppm (Neil, 1991).

In 1994, the Jasper Property was acquired by Arne O. Birkeland, consolidating the Jasper, Tam, Easy, and Pan claims. Arnex Resources Ltd. completed work on the Archer claims that year, specifically within a 4 x 2 km area on the south slope of Mount Vernon. A total of 60 soil samples and 2 rock samples were collected. Soil sampling results ranged between 108 – 311 ppm Cu and up to 60 ppm Molybdenum (Birkeland, 1994). That same year, they conducted geological mapping and rock sampling on the Jasper 1 claim as well, identifying strata-bound massive sulphides generally occurring along a compositional intermediate-mafic contact within Bonanza Gp volcanics. Analyses of 24 rock samples yielded up to 980 ppb Au, 26.0 ppm Ag, 4.65% Cu, and 9.20% Zn (Birkeland, 1995).

Between 1995 and 1996, Arnex Resources Ltd. conducted geological mapping, rock/soil/silt sampling, and magnetometer/VLF-EM/IP surveying on the Jasper Property. A total of 53 rock samples, 7 river sediment samples, and 84 soil samples were analyzed. Several Cu-Zn anomalies were identified from the soil grid,

including but not limited to the area around the “Main” showing, returning values up to 576 ppm Cu, 876 ppm Zn, and 0.6 ppm Ag. The silt sampling yielded Cu-Zn anomalies at Zinc Creek, Easy Creek, and Jasper Creek, with parts of Jasper Creek also returning Au anomalies. Weak HLEM and IP chargeability anomalies were recognized, including at the “J Branch Main” showing and the headwaters of Zinc Creek. The Jasper Property was optioned to Inspiration Mining Corp. (formerly Consolidated Taywin Resources Inc.) in December of 1996 (Birkeland, 1996).

Arnex Resources Ltd. conducted soil and rock sampling on the Jasper Property in December of 1998 for Inspiration Mining Corp. A total of 6 rock samples were collected of mineralized float and outcrop from around 4 showings, returning 2.0 – 4.9% Cu, 4.5 – 17.0% Pb, 18 – 32% Zn, as well as up to 76.8 ppm Ag and 315 ppb Au. The soil grid was at the “Pan Road” showing (subsequently southern Pan), consisted of 70 samples, and identified multiple polymetallic anomalies (Birkeland, 1999).

Work continued in October of 2000, as 100 soil samples and 6 rock samples were collected from the central and northern Pan areas, which successfully demonstrated the polymetallic anomalies continued northwards. Soil values reached up to 1000+ ppm Pb-Cu-Zn, whereas rock samples reached up to 1.5% Cu (Birkeland, 2001).

This sampling grid was further expanded northward and southward in 2001 with the collection of an additional 105 soil samples and 3 rock samples (Birkeland, 2002), then again in 2002 with 66 soil samples and 9 stream sediment samples (Birkeland, 2003). In 2003, the soil grid was expanded further northward and eastward with the collection of 120 soil samples and 4 rock samples, delineating over 2.8 km of soil anomalies (Birkeland, 2004).

In 2004, Arnex Resources Ltd. collected 445 soil samples, 24 stream sediment samples, 123 rock chip samples on the Jasper Property for Inspiration Mining Corp. Magnetometer and VLF-EM surveys were also conducted on select areas. The soil sampling identified a total of 23 soil anomalies, with 7 of them attributed to known showings, whereas the rock sampling identified 9 new showings (Birkeland, 2005).

On behalf of Inspiration Mining Corp., Jacques Houle collected 4 rock samples in November of 2007 from the “Jasper 1” and “Pan” showings for radiometric dating and isotope analysis. Insufficient zircons were recovered for U-Pb dating, but Pb isotope analyses of galena and pyrite suggest a Jurassic-aged epigenetic or syngenetic origin for the massive sulphides at these showings (Houle, 2008a).

Airbourne magnetometer and EM geophysical surveys were conducted across the entire Jasper Property in February of 2008 by Aeroquest Ltd. for Inspiration Mining Corp. Magnetic lows were identified along several major creeks, associated with mineralized showings. Many EM anomalies were identified but do not appear to correlate with areas of mineralization (Houle, 2008b).

Nitinat Minerals Corp. conducted rock and soil sampling on the Jasper Property in 2010, having finalized the purchase agreement with Inspiration Mining Corp. for it, dated December 1st, 2007. A total of 14 rock samples, 164 soil samples, and 8 stream moss mat samples were analyzed. The soil sampling further expanded from the 2004 grid, and yielded up to 1395 ppm Cu, 1.01 ppm Ag, and 126.5 ppm Pb (Houle & Burgert, 2011).

In 2011, Dean Arbic collected 13 rock samples from 9 sites around Raymond Creek, south of Mount Vernon, but no assay results are available (Arbic, 2011).

From July 8th to 16th, 2015, Jacques Houle and a team of 4 conducted geological mapping and rock sampling on the Jasper Property for Nitinat Minerals Corp. A total of 52 rock samples were collected, predominantly of Bonanza Gp intermediate volcanics. A single massive sulphide sample yielded 0.128 ppm Au, 2.9 ppm Ag, 3780 ppm Cu, and 24.7% Zn (Houle, 2015).

In 2017 and 2018, Geosci Data Analysis Ltd. conducted reanalysis of the geophysical data collected on the Jasper Property in 2008 for Nitinat Minerals Corp (Houle, 2017, 2018).

In 2019, Darcy Vis acquired the Cowichan Property, primarily encompassing the Gold Dyke and Archer areas initially, before continually expanding. Between August of 2020 and May of 2021, Darcy Vis conducted rock and soil sampling with various teams across the Property. A total of 51 rock samples and 8 soil samples were collected and analyzed by Terraspec SWIR, with a subset further analyzed by assay. An outcrop sample from the Gold Dyke East zone yielded 1.17 ppm Au (Vis, 2021).

Between October of 2021 and February of 2022, Auracle Remote Sensing conducted analysis of satellite data over the Jasper Property for Hanna Capital Corp, formerly called Nitinat Minerals Corp (Houle, 2022).

On October 23rd, 2021, Darcy Vis and Alfred Vis collected 2 rock samples over the Gold Dyke East zone. On April 20th, 2022, Darcy Vis and Michael Brinton collected 8 rock samples over the Gold Dyke East and Gold Dyke West zones. On September 30th, 2022, Darcy Vis collected 7 silt samples within the creeks flowing from Mount Vernon. Additionally, 2 rock samples yielding up to 1.10% Cu were collected from the newly discovered Center zone, a gossan on the southern slope of Mount Vernon above Raymond Creek (Vis, 2022).

On February 20th, 2023, Darcy Vis and Alfred Vis conducted rock sampling around the Center zone. On May 20th, 2023, Darcy Vis and a team from Tripoint Geological Services Ltd. conducted soil, biogeochemical, and rock sampling around the Gold Dyke zone. A total of 4 rock samples were collected over the Gold Dyke West zone, yielding up to 0.389 ppm Au and 406 ppm Cu (Vis, 2023).

Between May 5th – 7th, 2024, a team of 4 personnel from Tripoint Geological Services Ltd. completed soil and rock sampling over the Gold Dyke zone. A total of 216 soil samples were collected which were scanned with an Olympus Vanta XRF. Anomalous Au in soil presented itself in the NE part of the grid with a sharp cut off on the eastern side of the valley. Anomalous Ag in soil was generally patchy but concentrated above the known Gold Dyke mineralized vein zone, as well as at the SE corner of the grid. Anomalies in soil Zn, Sb, and As occur tightly around the known Gold Dyke vein. Elevated As is also found in the far SE part of the grid, with a Sb anomaly up slope of it (Vis, 2024).

Darcy Vis acquired the Jasper Property as the claims were allowed to lapse in February of 2025, incorporating Jasper into a greater Cowichan Property.

5 GEOLOGY

5.1 Regional Geology & Mineralization

Vancouver Island is the main component of the Insular Belt, the westernmost major terrane of the Canadian Cordillera (Monger 1997). The Insular Belt contains separate terranes including Wrangellia, Pacific Rim, and Crescent. Wrangellia is the largest terrane and is composed of middle Paleozoic and Jurassic volcanic-plutonic complexes, both underlain by gneiss-migmatite terrains and overlain by Permo-Pennsylvanian and Cretaceous clastic sediments (Muller 1977). The oldest rocks in the Cowichan Lake area belong to the Paleozoic Sicker Group, which contain volcanic and sedimentary units ranging from Late Silurian to Early Permian. These were intruded by mafic sills and overlain unconformably by the basaltic volcanics of the Late Triassic Karmutsen Formation. The Karmutsen was succeeded by the Quatsino and Parson Bay Formations, which together, with the Karmutsen Formation, form the Vancouver Group (Muller 1997). These units were then intruded or overlain by rocks of the Jurassic Bonanza Arc, which is composed of the West Coast Crystalline Complex, Island Plutonic Suite, and Bonanza Group volcanics (Canil et al. 2010). The Bonanza Arc is in turn unconformably overlain by the Late Cretaceous sedimentary rocks of the Nanaimo Group (Muller et al 1974).

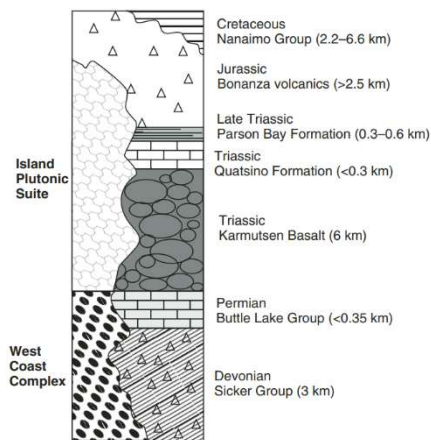


Figure 4. Stratigraphy for Wrangellia on Vancouver Island (figure copied from Canil et al. 2010)

Post Jurassic tectonism on Vancouver Island includes Cretaceous transpression and Eocene Extension (Muller et al 1974), which formed antiformal structures including the regional-scale Cowichan and Buttle Lake anticlinoria, which runs North-westerly along the length of the island (Yorath et al. 1985). On the eastern side of Vancouver Island, the Cowichan Fold and Thrust Belt forms a series of west-verging structures involving all pre-Late Cretaceous age rocks (England and Calon 1991). These major structures are related to accretion of the Pacific Rim and Crescent terranes in the Eocene (Johnston and Acton, 2003). Uplift in Wrangellia related to accretion of the Crescent Terrane occurred by 45Ma (Currie and Grist, 1996). Current subduction of the Juan de Fuca plate, which is outboard of Vancouver Island, today occurs at a rate of 5cm/year with related uplift of ~1-5 mm/year (Mazzotti et al. 2007).

The Karmutsen Formation is thought to have been formed by basaltic eruptions in a deep marine rift basin, then continued as aquagene tuff and breccias as the basin became shallower, and finally terminated with extrusion of subaerial basalt flows. The Quatsino and Parson Bay Formation was formed in near and offshore basins in the Karmutsen rift archipelago (Muller et al 1974).

The Jurassic Bonanza arc is divided into the West Coast Crystalline Complex, the Island Plutonic Suite, and the Bonanza Group volcanics. The West Coast Crystalline Complex has been interpreted as the deepest preserved levels of the Jurassic Arc (DeBari et al. 1999). The complex is composed of fine grained pegmatitic quartz diorite, granodiorite, and gabbro (Muller 1983). The Island Plutonic Suite occurs as a series of roughly northwest-aligned plutons ranging in composition from quartz diorite to alkali feldspar granite (Canil et al. 2010). The Bonanza volcanics form the upper most component of the Bonanza Arc and vary from pillowed and massive flows of aphanitic basalt, through plagioclase, pyroxene, and hornblende phyrlic andesite, to dacite. Pyroclastic deposits are abundant with aphanitic felsic and mafic ash flows, and tuffs containing blocks and bombs. The Bonanza Arc was active for ~40Ma between 202 and 168Ma (Nixon and Orr, 2007). The Bonanza volcanics on the south island are broken out into two distinct facies, the Red Bed Creek facies, and the Klanawa facies. The Red Bed Creek facies is composed of a coarse ash maroon tuff with a maximum thickness of 750m. Overlying the Red Bed Creek facies is the Klanawa facies, which is characterized by plagiophyrlic pyroclastic deposits and lesser flows of intermediate to felsic compositions (Paulson 2010).

The main important metallic ore deposits on Vancouver Island are massive sulphides of Zn, Cu, Pb, Au, Ag in the Sicker Volcanics (Mt. Myra Mine), Skarn Deposits of Cu and Fe in Quatsino limestones (Argonaut, Texada, Coast Copper, Merry Widow), and porphyry copper deposits surrounding and within high level Island Intrusions (Island Copper, NorthIsle) or in Sooke Intrusions (Mt. Washington, Catface). NorthIsle and Island Copper deposits are located in Bonanza Group Volcanics in a very similar environment to the Cowichan Property.

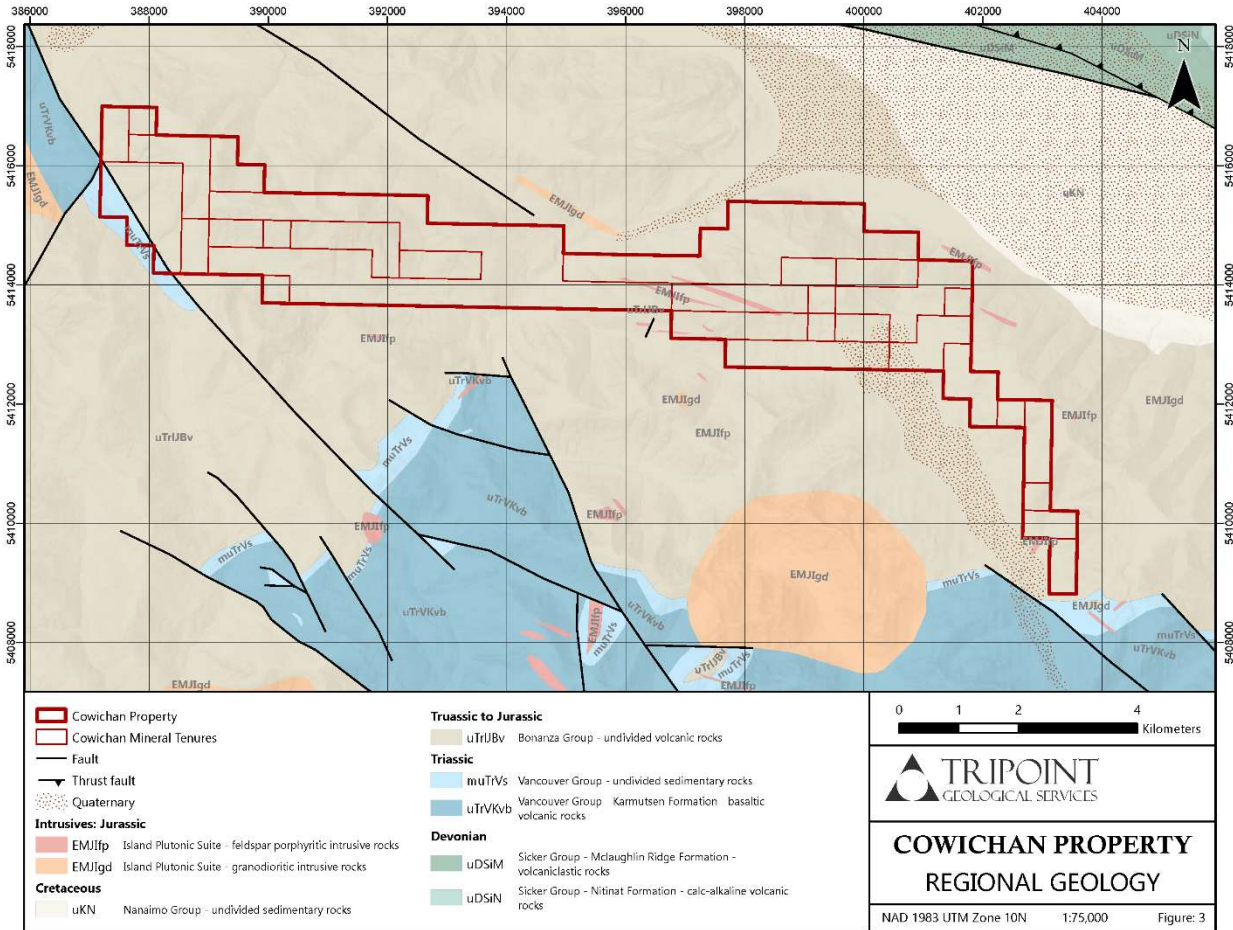


Figure 5. Regional Geology Map

5.2 Property Geology

The area south of Cowichan Lake is underlain by formations of the Vancouver Group (Late Triassic) and Bonanza Group (Early Jurassic). The ocean floor basalts and andesites of the Karmutsen Formation forms a southern contact boundary and makes up the majority of the Vancouver Group rocks located on the property. The Quatsino Formation overlies the Karmutsen and are composed of limestones varying from 25-500m in thickness. The succeeding Parson Bay Formation is in diachronous contact with the Quatsino Limestones and in places lies directly on top of the Karmutsen Formation rocks. The Bonanza Group volcanics dominates the main portion of the Cowichan Property and shows as an undifferentiated group of formations that contain argillites, cherts, tuffs, volcanic breccias, sandstones, and basaltic to rhyolitic flows. Throughout the property the Island Plutonic Suite is uncovered as granodiorite dykes and small batholiths.

Minor shears on the property trend roughly NW-SE, with larger fault zones trending NE-SW. Most of the minor shears contain sulphides and increased alteration, whereas the larger fault zones do not. It is currently theorized that the NW-SE trend structures are older, with the larger NE-SW faults forming post deposition (possibly Cretaceous during accretion of the Crescent Terrane). This theory will need to be further tested in the field. It is also theorized that the property is underlain by a NW trending anticline that has exposed the older Karmutsen Formation along Granite Creek and south of the property, if this theory is correct the Bonanza Group rocks should be younging to the northeast.

Karmutsen Formation (Upper Triassic)

The Karmutsen Formation consists largely of andesitic to basaltic flows on the property. Andesite is typically the dominant lithology and shows dark grey to dark greenish grey in colour. It is often amygdaloidal with amygdules ranging in size from 1-5mm in diameter and are typically filled with chlorite or calcite. Feldspar phenocrysts are also common with euhedral feldspars forming as lathes that range from 2-4mm long. They can form glomerocrysts as irregular masses, or with radial symmetry. Within the mafic volcanics thin beds of siliceous tuffs can be found, especially along contacts with Quatsino and Parsons Bay rocks.

Quatsino Limestone (Upper Triassic)

The Quatsino Limestones are found contacting the Karmutsen basalts and andesites. The unit is made up of light to medium grey micritic limestones. No fossils have been observed by the author however previous reports have observed thin bivalve shells. Skarn has been observed in contacts with the intrusives on the property.

Parsons Bay Formation (Upper Triassic)

Outcrops of Parson Bay Formation are found frequently near the Quatsino Limestones and are composed of calcareous to non-calcareous black to dark grey well bedded argillites.

Bonanza Group (Lower Jurassic)

The majority of the property is overlain by the Bonanza Group volcanics which consists of interbedded tuffs, volcanic breccias, sandstones, siltstones, mudstones, and basaltic to andesitic flows. Within the Bonanza Group there is variable alteration, namely clay-sericite-pyrite, carbonate, and silica alteration.

Igneous Intrusives

Igneous intrusives form as dykes on the property and consist of granitic to granodioritic rocks, multiple phases of intrusives are present on the property, however they have yet to be categorized.

5.3 Property Mineralization and Alteration

Much of the Bonanza rocks on the property have been altered showing large zones of intense clay, smectite, sericite, pyrite, and hematite alteration forming gossans. Clay alteration often destroys the protolith textures and is typically accompanied by abundant pyrite (up to 10%), which readily alters to hematite and forms gossanous staining and red soils. Within the gossanous zones areas of silica alteration are found typically in the form of vuggy residual quartz, and quartz-carbonate veining. Rock surrounding the gossanous zones range from fresh to chlorite-epidote alteration.

The Property is broken into eight zones of mineralization/alteration including the OGM, Archer, Surprise, Center, Gold Dyke West, Gold Dyke East, Pillar, and Ivan zones.

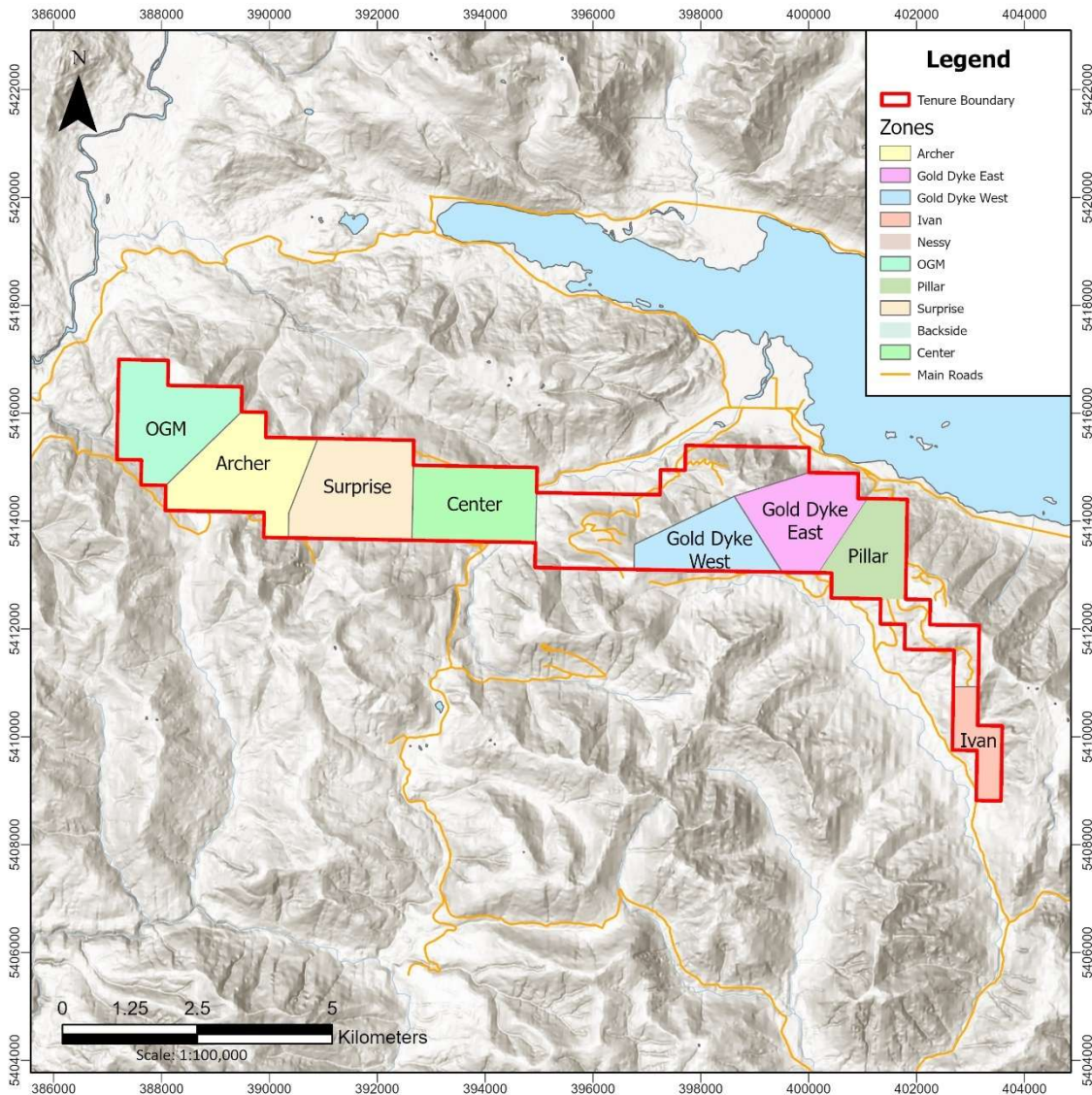


Figure 6. Cowichan Lake Zones

Archer Zone (MINFILE 092C064)

The Archer Zone is located on the southern side of Mount Vernon, and directly north of Raymond Creek. The area is dominated by clay-sericite-pyrite alteration which extends across the southern side of Mount Vernon. Within the clay-sericite alteration there exists abundant pyrite as disseminations, stringers, and shear fracture fill. Historically values up to 2.8 g/t Au and 11.5 g/t Ag were found near surface in drill core (Fischl 1988). In a news release from Nuspar Resources Ltd. (May 24, 1988) they reported surface chip sample values up to 47 g/t Au.

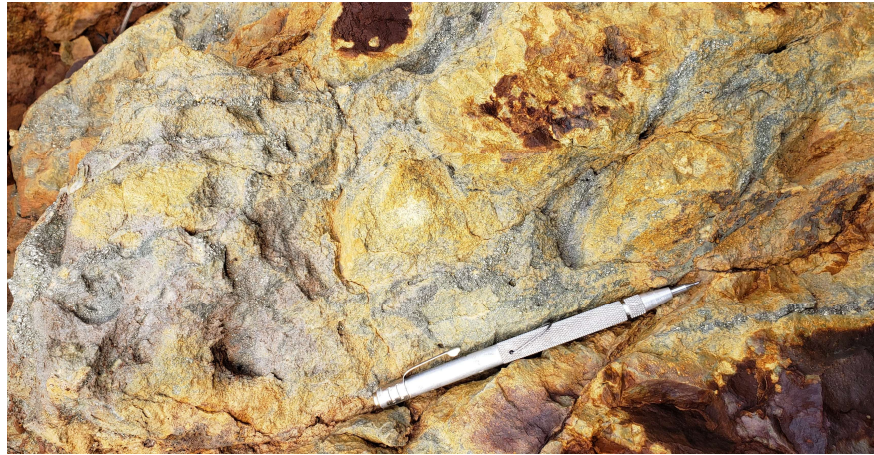


Figure 7. Pyrite stockwork on the Archer Zone

Surprise Zone

The Surprise Zone is located on the southern side of Mount Vernon, two kilometers further east than the Archer Zone. The area is dominated by the same clay-sericite-pyrite alteration as the Archer Zone and is potentially connected. Within the gossanous clay-sericite-zone there exists three distinct silica altered “dykes” that trend roughly NE-SW. The silica altered rocks are vuggy but barren.



Figure 8. Clay-sericite-pyrite alteration at the Surprise Zone

Center Zone

The Center Zone is located on the Southern side of Mount Vernon, approximately 1.2km west of the Surprise Zone. The area shows the same clay-sericite-pyrite alteration as the Archer and Surprise zones. Sampling done in 2022 shows quartz-carbonate veining with copper mineralization (up to 1.10% Cu).



Figure 9. Clay-sericite-pyrite alteration along road cut in the Center Zone

Gold Dyke West

The Gold Dyke West zone is located west of the Gold Dyke showing. It is dominated by intense clay-sericite-pyrite alteration that continues along the south-east facing slope for approximately 1.5km. Thin shears with increased pyrite are common.



Figure 10. Clay alteration at the Gold Dyke West Zone

Gold Dyke East (MINFILE 092C042)

The Gold Dyke East zone includes the Gold Dyke MINFILE showing and further east. Drilling in 1986 revealed pyrite, galena, sphalerite, chalcopyrite, and arsenopyrite within quartz-carbonate and quartz veins. A drill core sample assayed 3.9g/t Au, 4.9g/t Ag, 1% Pb, and 4% Zn (Payne 1987). On the surface where they drilled is the Gold Dyke showing, a coxcomb quartz vein with sphalerite, galena, and pyrite. Surrounding the vein is clay-sericite-pyrite alteration. The clay-sericite-pyrite alteration continues to the east at least 800m and is intense on the ridge, further south the alteration changes to be more dominantly silica altered with pyrite.



Figure 11. The Gold Dyke Zone (looking West from Pillar)

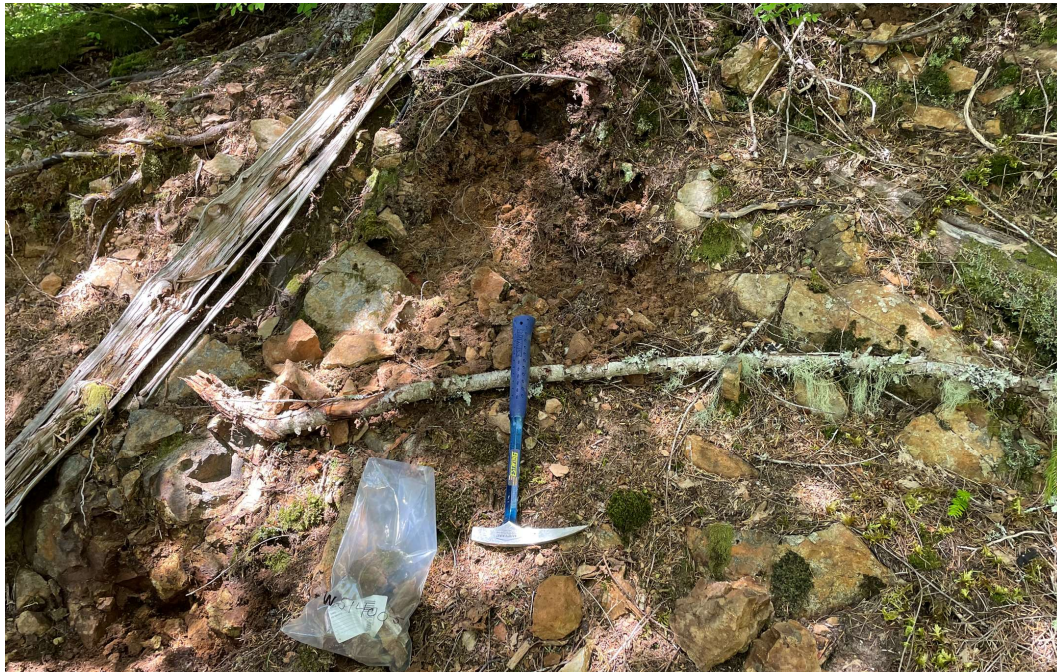


Figure 12. Gold Dyke Showing

Pillar Zone

The Pillar zone is located 2km east of the Gold Dyke East zone and shows a deep red ridge with silica alteration on the top of the ridge, and clay-sericite-pyrite alteration along the side slopes. Within the silica altered ridge top there is vuggy quartz veining with weak Arsenic.



Figure 13. Pillar Zone (looking east from Gold Dyke)



Figure 14. Silica alteration on the Pillar Zone

Ivan Zone

The Ivan zone is located 2.8km south-east of the Pillar Zone and centers around Ivan Creek. The area between the two zones has variable clay-sericite-pyrite alteration with increased alteration centering around shear zones. The Ivan zone shows increased clay-sericite-pyrite alteration.



Figure 15. Pillar and Ivan Zone looking North



Figure 16. Clay-Sericite-Pyrite alteration at the Ivan Zone

6 2024 EXPLORATION PROGRAM

Geochemical Sampling

On September 21, 2024 Darcy Vis, Lauren, and Gabriel Gibb travelled to the Gold Dyke Zone of the property and completed geochemical rock sampling over the newly logged and exposed bedrock resulting in 28 rock samples (plus 1 QAQC sample). These rocks were sent in for assay to ALS Labs in North Vancouver for analysis as well as photos were sent to Gregg Morrison for Quartz style review. On February 8, 2025 Darcy Vis and Gabriel Gibb completed geochemical rock sampling over the Frontside Zone resulting in 6 rock samples and 1 silt sample. The samples were sent for assay to ALS Labs in North Vancouver.

Ground Based Magnetic Survey

On October 23, 2024 Darcy Vis and Michael Brinton completed a ground based geomagnetic survey over the Gold Dyke zone using a GEMS GSM-19 Overhauser.

GEM GSM-19 Overhauser Magnetometer Specifications

Sensitivity: 0.022nT @ 1 Hz
Resolution: 0.01nT
Absolute Accuracy: +/- 0.1nT
Dynamic Range: 20,000 to 120,000 nT
Sampling Interval: 1 second
Operating Temperature: -40 to +50 Celsius

Soil pH Analysis

In the office pH soil analysis was completed on the soil samples collected over the Gold Dyke Zone in May 2024. A slurry was made of 5g soil to 10g of distilled water, the slurry was left for 30 minutes and tested with an Oakton EcoTestr pH 2+ Pocket pH Meter. The pH Meter was calibrated using a pH 4, 7, and 10 calibration standards. The resultant pH was recorded along with the slurry temperature into a table.

Oakton EcoTestr pH2+ Specifications

pH Range: 0.0 to 14.0pH
Temperature Range: 0.0 to 50.0 Celsius
pH Resolution: 0.1pH
Temperature Resolution: 0.1 Celsius
pH Accuracy: +/- 0.1 pH
Temperature Accuracy: +/- 0.5 Celsius
Calibration: 3 points (4, 7, 10 pH)

Lithochemistry and SWIR

The rock samples collected over the Gold Dyke Zone were analyzed using a Terraspec Halo ASD SWIR device as well as an Olympic Vanta XRF prior to being sent for Assay. Full processing information can be found in the Appendix.

Remote Sensing

The Remote Sensing program consisted of the collection of Sentinel-2 data from Q3 2024 over the Gold Dyke Zone. Data was chosen that was relatively cloud free with a good light angle. This data was subsequently processed using various classification techniques including Spectral Angle Mapper (SAM), Mixture-tuned Matched Filtering (MTMF), Spectral Feature Fitting (SFF), and Band Math.

Sentinel-2 Sensor Information

Sensor Type: 13-Band Multi-Spectral Instrument

Spectral Bands: 433-453nm, 458-523nm, 543-578nm, 650-680 nm, 698-713nm, 733-748nm, 773-793nm, 785-900nm, 855-875nm, 935-955nm, 1365-1385nm, 1565-1655nm, 2100-2280nm

Ground Resolution: 10-60 meters

7 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Soil Samples

Soil was collected from the “B” Horizon in sample pits and placed into a paper kraft bag, a sample tag was placed in the bag, and the sample ID was written in permanent marker on the outside of the bag. The bag was sealed with flagging tape. When back from the field the bags were left out to air dry. A 5g scoop of material was collected using clean plastic spoons into a clean plastic mini-cup on a calibrated weigh scale. 10g of distilled water added and the slurry was stirred. The slurry was left for 30 minutes using a timer. After 30 minutes pH and Temperature was recorded using a calibrated Oakton EcoTester pH2+ pH testing device.

Rock Samples

All rock sample data was collected on field tablets using ESRI Field Maps. At their respective sites, roughly 1kg worth of rock material was placed in a poly bag with their associated sample tag and labelled with the sample tag number. Sample locations were marked using metal butter tags and flagging labelled with its sample tag number and year, and coordinates were recorded on a handheld Garmin GPS for redundancy. Samples were securely packaged into rice bags, fastened with security tags, and shipped to North Vancouver for sample preparation and for assays and analyses.

Sample preparation (PREP-31A) was carried out where samples were dried and crushed until at least 70% passes a 2 mm (Tyler 10 mesh) screen. A split of up to 250 g was taken using a riffle splitter, pulverized until at least 85% passes a 75-micron (Tyler 200 mesh) screen and sent for analysis.

Sample analysis was carried out where each sample was sent for two tests. For Au values (Au-AA23), 30 g of a prepared sample was fused with a mixture of lead oxide, sodium carbonate, borax, silica, and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a metal bead. The bead is digested in 0.5 mL dilute nitric acid in a microwave oven, 0.5 mL concentrated hydrochloric acid is then added and further digested at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards. For non-Au multi-element values (ME-MS61), 0.25 g of a prepared sample undergoes a four-acid digestion, starting with a combination of nitric, perchloric and hydrofluoric acid followed by a final dissolution stage using hydrochloric acid. The digested sample is then analyzed using a combination of ICP-MS and ICP-AES for trace level elements.

8 PROGRAM RESULTS

Geochemical Sampling

Rock sampling over the Gold Dyke zone returned anomalous values for Gold (up to 8.17 g/t), Silver (up to 4.34g/t), Zinc (up to 9990ppm), and weak anomalies including Molybdenum (up to 18.65ppm), and Copper (up to 1515ppm). Field notes are in Appendix C, Assays in Appendix D, and Maps are in Appendix E of this report.

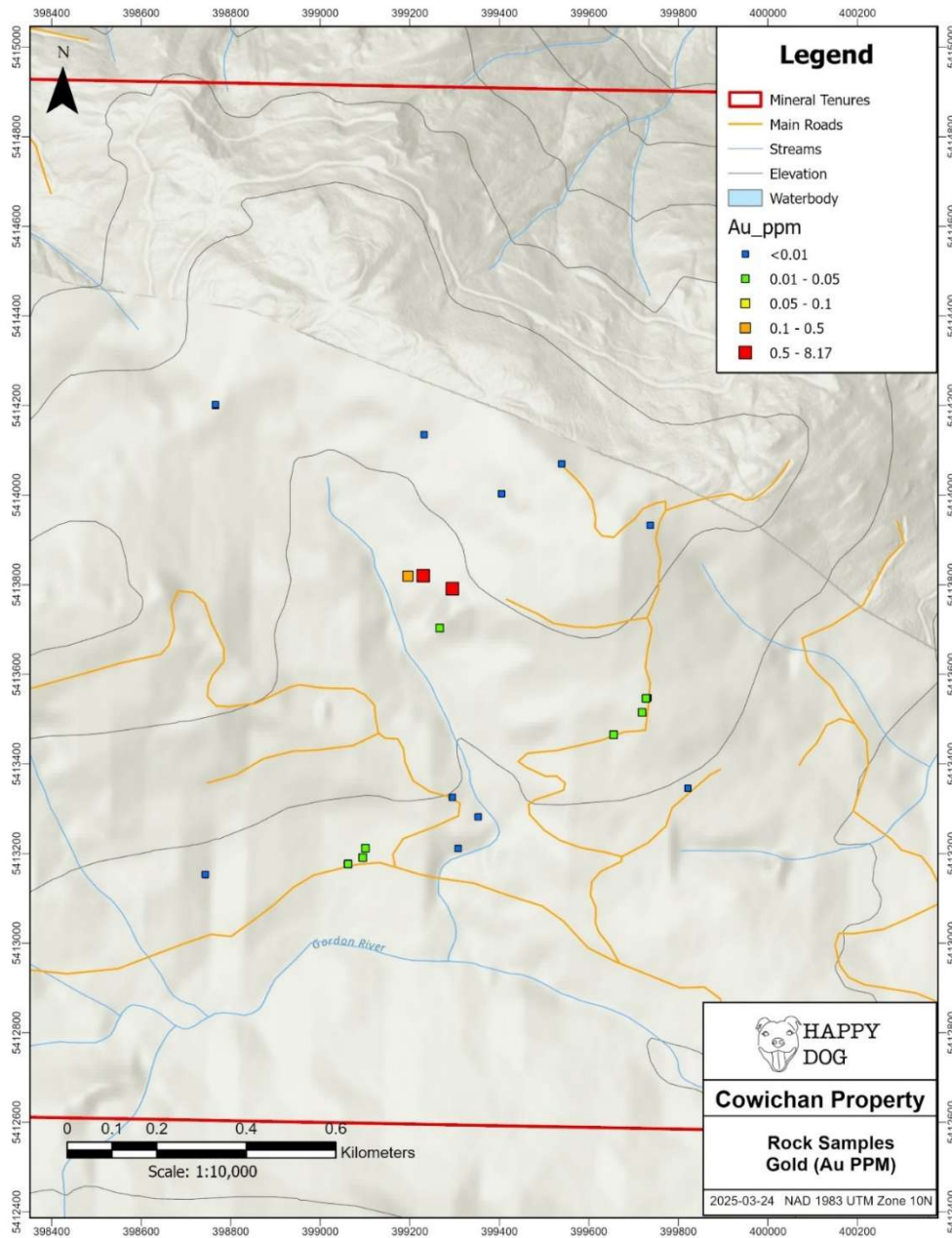


Figure 17. Gold Values in Rock over the Gold Dyke Zone

Quartz Texture Review

Limited infill textural variants including saccharoidal quartz after chalcedony, comb crystalline, rosette and cavity fill crystalline quartz. Crystalline veins appear to be late-stage hydrothermal breccia in or near a shear zone. Geochemically the zone appears to be more of an intermediate epithermal sulfidation or carbonate-base metal system. It is recommended to focus on the comb texture and hydrothermal breccias for further prospecting. The full report is available in Appendix F of this report.

Ground Based Magnetic Survey

Two North-South lines were completed over the Gold Dyke Zone showing thin magnetic lows within larger magnetic highs, these zones are interpreted to be roughly E-W trending faults/shears that may be important for mineralization.

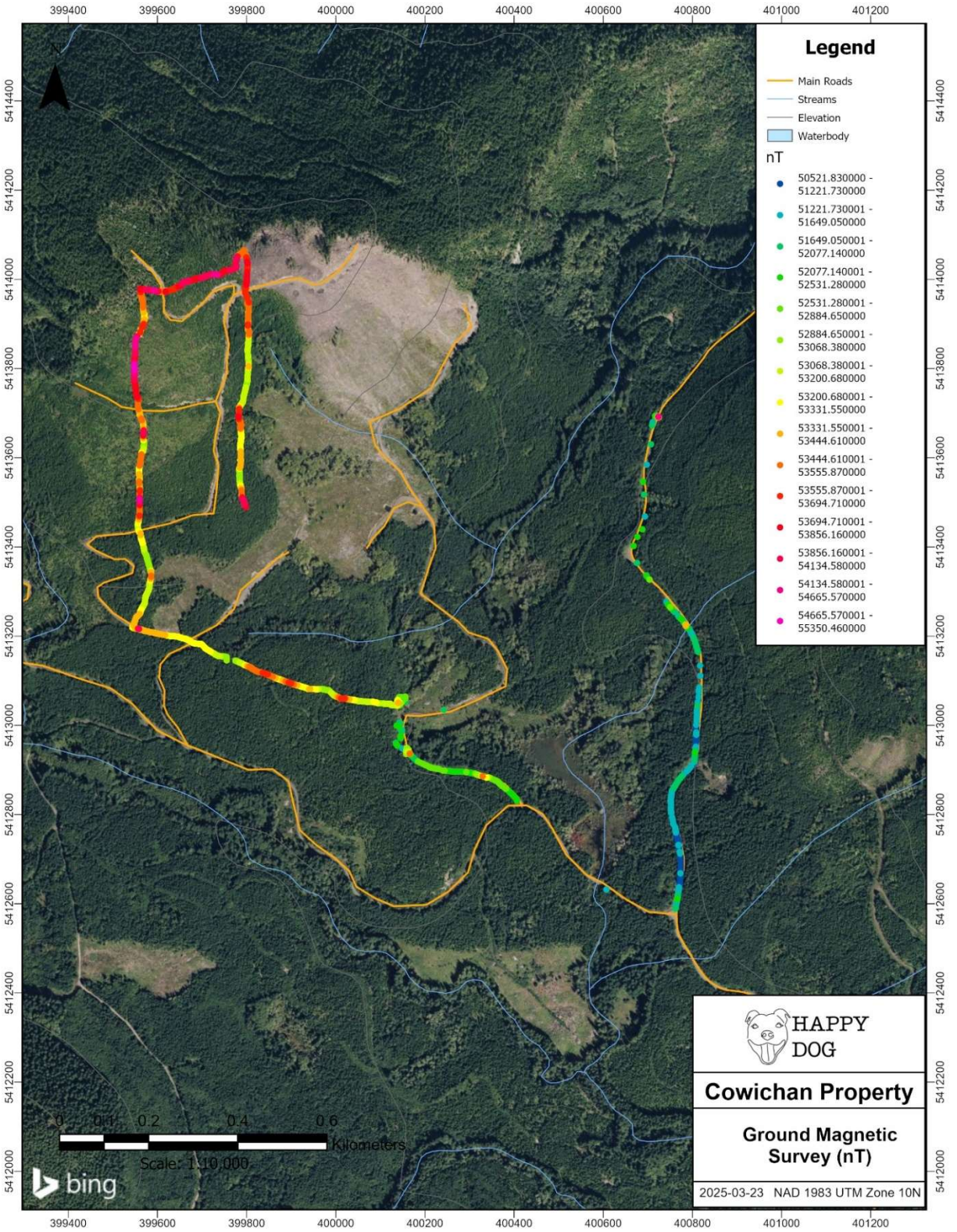


Figure 18. Ground Magnetics in nT

pH Soil Analysis

Oxidizing sulfides should produce a change in pH in the surface soil due to the presence of H⁺ ions, making pH lower over zones of buried sulphides (Smee 2009). The soils samples collected in May of 2024 show zones of low pH overlapping areas of previously identified alteration.

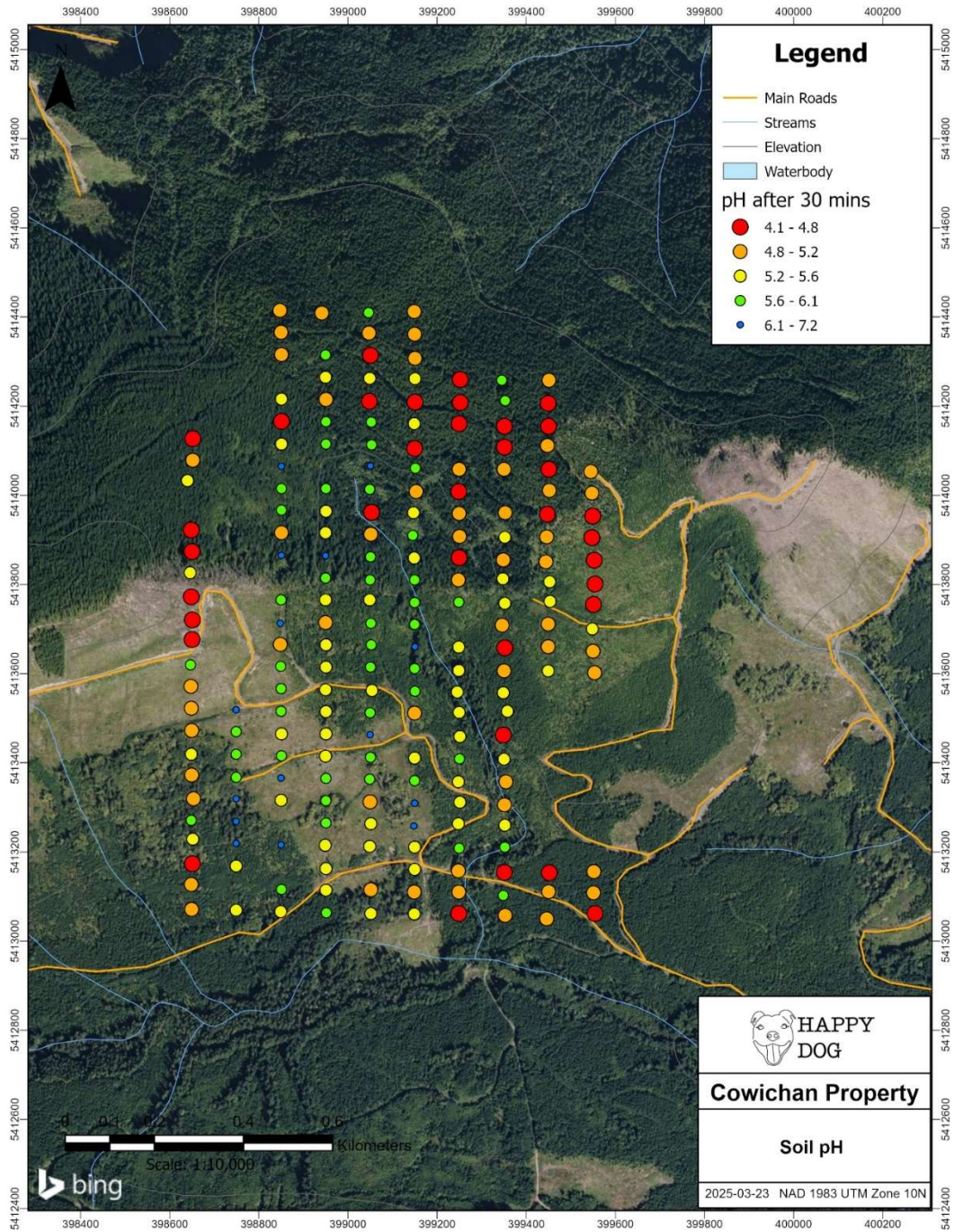


Figure 19. Soil pH

Lithochemical and SWIR

Spectral Mineralogies indicate a relatively warm and acidic hydrothermal environment perhaps exceeding 200°C. Preliminary alteration mapping based on spectral mineralogy shows Gold +/- Silver, Copper, Lead, and Zinc mineralization is coincident with dickite-bearing rocks. Local geology, ore metals, pathfinder geochemistry, and alteration indicate an epithermal Gold system. The full report is available in Appendix G of this report.

Remote Sensing

The remote sensing data was restricted by the abundant vegetation over the property. Only zones within existing cut blocks allowed for enough clearance for the satellites to pick up reflectance information. From that information Spectral Angle Mapper processing was able to determine zones of abundant Kaolinite, these zones match with the ground-based observations and extend the known alteration zones further east and west. Future work will include ground truthing these zones.

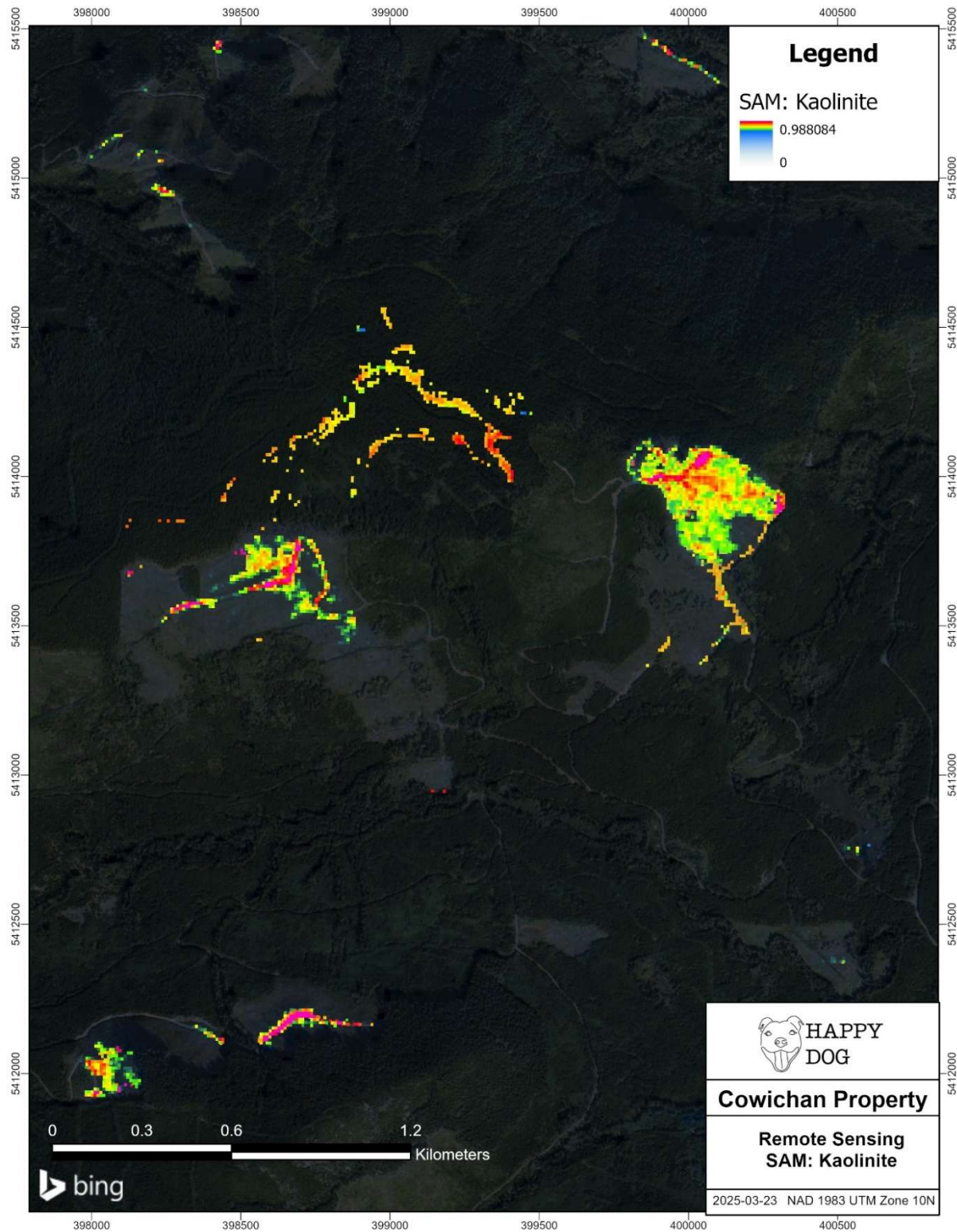


Figure 20. Spectral Angle Mapper Processing of Sentinel-2 Data showing Kaolinite

9 DISCUSSION AND CONCLUSIONS

The overlapping presence of decreased pH (increased H⁺ ions) in soil, clay-sericite alteration in rock samples (as shown by SWIR), Kaolinite/Dickite from satellite remote sensing, and ground magnetic low zones (in an areas of a regional magnetic high) all accumulates to form very good evidence for a large argillic alteration zone.

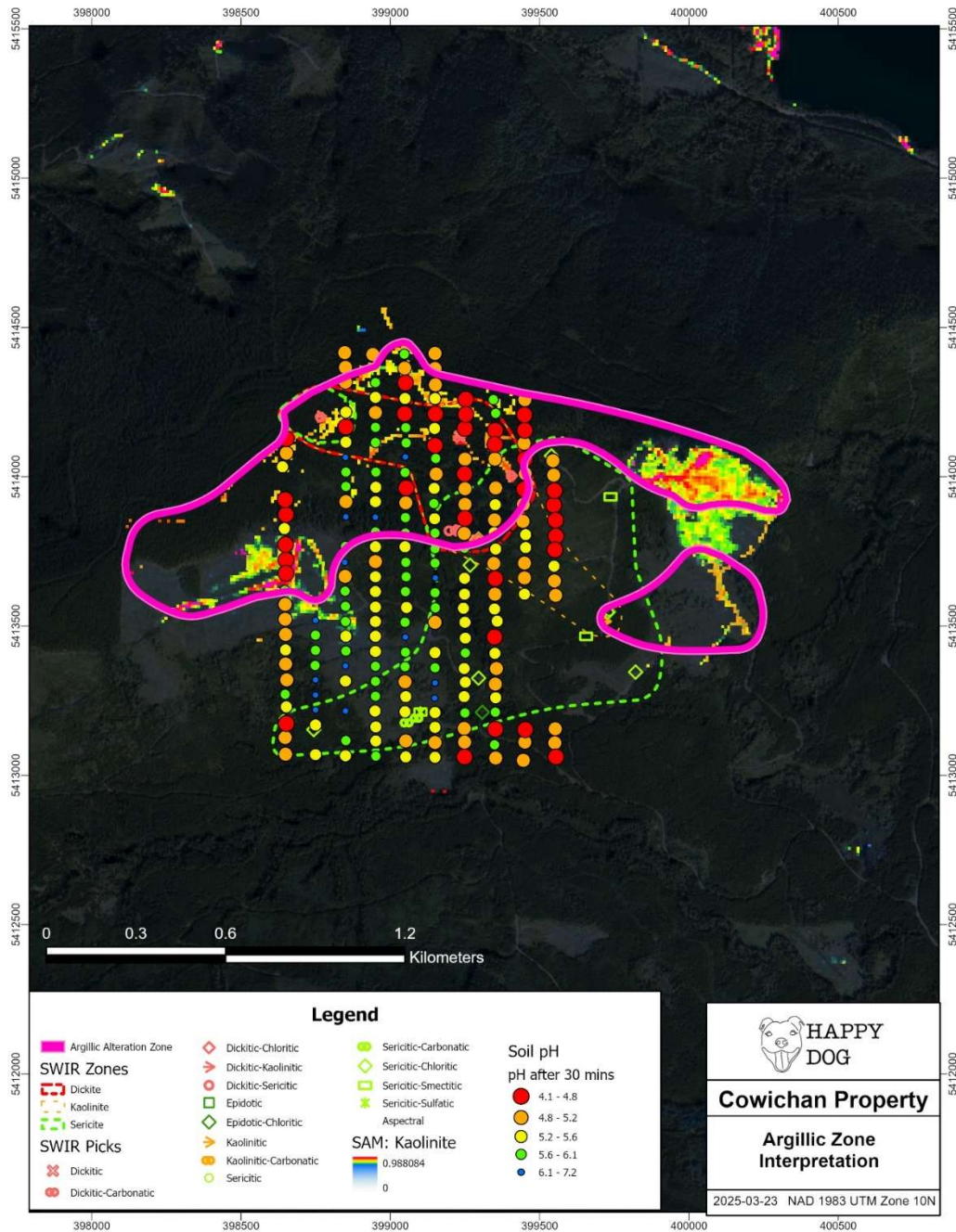


Figure 21. Overlapping results showing alteration zone

Evidence from the Quartz Texture analysis and geochemistry points to overlapping precious and base metal anomalies with overlapping quartz textures. The chalcedony texture along with anomalous Arsenic and Antimony indicate we are in the shallow portions of a Hydrothermal Magmatic System.

Taking the information together identifies the Gold Dyke Zone as an Intermediate Sulphidation Epithermal environment. Further work is required to determine the size and economics of the zone.

10 RECOMMENDATIONS

Further exploration work is recommended on the property including:

- 1) Sending the soil samples collected in for Aqua Regia assay
- 2) Tracing the quartz veins on surface to determine extent
- 3) Trenching and channel sampling over quartz veins on surface
- 4) Expanding the geomagnetic survey possibly with drones
- 5) Diamond Drilling

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APPENDIX A

STATEMENT OF EXPENDITURES

Project Planning					
Personnel (Name)		Hours	Rate	GST	Subtotal*
Darcy Vis		5	\$105.00	\$0.00	\$ 525.00
					\$ 525.00
Field Work					
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	GST	Subtotal*
Darcy Vis/Geologist	Sept 21, Oct 18, 2024, Feb 7/25	3	\$1,050.00	\$0.00	\$ 3,150.00
Gabriel Gibb/Geologist	2024-09-21, Feb 7/25	2	\$980.00	\$0.00	\$ 1,960.00
Michael Brinton/Geologist	18-Oct-24	1	\$1,050.00	\$52.50	\$ 1,102.50
Lauren /Field Assistant	21-Sep-24	1	\$580.00	\$0.00	\$ 580.00
					\$ 6,792.50
Post Field Cleanup					
Personnel (Name)		Hours	Rate	GST	Subtotal*
Matthew Temple	Soil pH Testing	20.4	\$78.00	\$79.64	\$ 1,672.40
Darcy Vis	Sample Organization/XRF	6	\$105.00	\$0.00	\$ 630.00
					\$ 2,302.40
Report Writing					
Personnel (Name)		Hours	Rate	GST	Subtotal*
Carter Grondahl	SWIR/Geochem	12.5	\$105.00	65.625	\$ 1,378.13
Gregg Morrison	Quartz Texture Review			0	\$ 340.00
Darcy Vis	Report Writing	30	\$105.00	\$0.00	\$ 3,150.00
					\$ 4,868.13
Assays					
Personnel (Name)		Number	Rate		Subtotal*
ALS Geochemistry	Rock Samples	34	\$63.08		\$ 2,144.70
ALS Geochemistry	Silt Sample	1	\$76.28		\$ 76.28
					\$ 2,220.98
Transportation					
Truck Mileage	488km @ \$0.71/km				\$ 346.48
					\$ 346.48
Accommodation & Food					
		Rate	Days		Subtotal
Meals		\$60.00	7		\$ 420.00
					\$ 420.00
Equipment Rentals					
		Rate	Days		Subtotal
Ground Magnetometer Rental	*Actual Costs				\$ 3,044.54
Terraspec Rental		\$310.00	2		\$ 620.00
XRF Rental		\$270.00	1		\$ 270.00
pH Meter Rental		\$30.00	2		\$ 60.00
					\$ 3,994.54
Supplies					
					Subtotal
Shipping	*Acutal Costs				\$ 133.68
					\$ 133.68
TOTAL Expenditures					\$21,603.70

APPENDIX B

STATEMENT OF QUALIFICATIONS

I, Darcy Vis, do hereby declare that:

- 1) I am the author of the report titled "Assessment Report on the Cowichan Property 2025", relating to the Cowichan Property;
- 2) At the time of writing this report I am the President of Tripoint Geological Services Ltd. of 148-2770 Leigh Road Victoria BC, V9B 4G1;
- 3) I hold a Bachelor of Science (B.Sc.) in Earth Sciences granted by the University of Victoria in 2017;
- 4) I am a Professional Geologist with the Engineers and Geoscientists British Columbia (EGBC), Member Number #52017;
- 5) I am the Responsible Registrant, and Responsible Officer of Tripoint Geological Services Ltd., which holds a Permit to Practice in good standing from EGBC (Permit Number: 1001503).
- 6) I have been involved in the mineral exploration of gold, silver, copper, and nickel in Canada and the United States since 2010; and
- 7) I am not aware of any material fact or material change with respect to the subject matter of this report.

Dated at Victoria, British Columbia with effective date of March 24, 2025


Darcy Vis, B.Sc., P.Geo.

APPENDIX C

SAMPLE DETAIL TABLES

Zone	SampleID	Site Type	UTM Datum	Easting	Northing	Altitude	Sample Type	QAQC ID	Rock Description	Outcrop Type
Gold Dyke	K479186	ROCK	NAD83 Zone 10	397824	5413604		Rock Sample		White soft mineral infilling breccia in a tuff host rock. relatively unaltered w/ky prop.	Outcrop
Gold Dyke	K479187	ROCK	NAD83 Zone 10	397740	5413592	823.86	Rock Sample		fragmental tuff brecciated with clay infill_ possible alunite. weak prop alt	Outcrop
Gold Dyke	K479188	ROCK	NAD83 Zone 10	397462	5413383	825.96	Rock Sample		breccia zones and veins within a hematite altered brecciated tuff. breccias are shallowly dipping east.	Outcrop
Gold Dyke	K479190	ROCK	NAD83 Zone 10	398766	5414200	743.36	Rock Sample		Tuff with thick zone of clay alteration. pyrite.	Outcrop
Gold Dyke	K479191	ROCK	NAD83 Zone 10	399405	5414003	731.62	Rock Sample		feldspar crowded intrusive unit. Clay/sericite altered. qtz veining. oxides. heavily oxidized.	Outcrop
Gold Dyke	K479192	ROCK	NAD83 Zone 10	399232	5414135	712.72	Rock Sample		heavily altered tuff_ clay alt. orange_ qtz breccia. calcite replacement textures.	Outcrop
Gold Dyke	K479193	ROCK	NAD83 Zone 10	399230	5413820	667.12	Rock Sample		massive quartz veins float w/ Galena_ pyrite. vuggy_ banded.	Float
Gold Dyke	K479194	ROCK	NAD83 Zone 10	399230	5413820	667.12	Rock Sample		massive quartz veins float w/ Galena_ pyrite. vuggy_ banded.	Float
Gold Dyke	K479195	ROCK	NAD83 Zone 10	399295	5413791	676.92	Rock Sample		Qtz veins with sulphides_ bright red infill_ coxcomb. B SAMPLE is wallrock material.	Outcrop
Gold Dyke	K479196	ROCK	NAD83 Zone 10	399295	5413791	676.92	Rock Sample		Qtz veins with sulphides_ bright red infill_ coxcomb. B SAMPLE is wallrock material.	Outcrop
Gold Dyke	K479197	ROCK	NAD83 Zone 10	399196	5413819	648.96	Rock Sample		Adit_ 2-4m massive chalcedony_ pods of massive pyrite_ Galena_ clay alt selvage in tuff.	Outcrop
Gold Dyke	K838151	ROCK	NAD83 Zone 10	399539.2045	5414069.892	736.7022	Rock Sample		strongly altered blue grey plagioclase phyric basalt(?). finelh disseminated sulfide pyrite or chalcopyrite at 0.3%	Outcrop
Gold Dyke	K838152	ROCK	NAD83 Zone 10	399727.5336	5413546.219	637.7	Rock Sample		pervasively iron oxide altered quartz vein_ minor pyrite 0.1%_15cm wide. minor vugs in vein.	Outcrop
Gold Dyke	K838153	ROCK	NAD83 Zone 10	399821.0696	5413345.621	554.46	Rock Sample		intensely clay altered pyroclastic in contact with another much less clay altered pyroclastic unit. pervaise iron oxide alteration. 1% pyrite. intently clay as altered zone approx 15cm wide	Outcrop
Gold Dyke	K838154	ROCK	NAD83 Zone 10	399095.0934	5413191.094	540.98	Rock Sample		strongly iron carb altered quartz stock work vein with calcite stringers_ minor pyrite in quartz vein material_ possible very minor chalcopyrite. vein dipping -48_ dip direction 265	Outcrop
Gold Dyke	K838155	ROCK	NAD83 Zone 10	399100.7077	5413211.649	544.62	Rock Sample		pervaise iron oxide alteration of light grey volcanic with finely disseminated pyrite	Outcrop
Gold Dyke	K838156	ROCK	NAD83 Zone 10	398765.9472	5414202.031	735.18	Rock Sample		strongly iron oxide altered sileeous pyroclastic rock_ with 15 cm wide zone of lightly foliated quartz veining that extends about 10m up out crop but pinches out at bottom of outcrop into a heavily clay altered zone. minor disseminated pyrite with in host rock associated with veins .	Outcrop
Gold Dyke	K838451	ROCK	NAD83 Zone 10	398743.3581	5413152.966	560	Rock Sample		Aquamarine coloured Tuff_ weakly silicified_ extensive manganese oxide on fracture surfaces. 2% pyrite disseminated	Outcrop
Gold Dyke	K838301	ROCK	NAD83 Zone 10	399352.7179	5413281.809	559.44	Rock Sample		Dark green_ medium grained_ silicified and chloritized ash-tuff flow_ beige feldspars and black lithics 1mm 15%_ 0.5m patch of deep red strong iron oxide alteration_ associated with silvery pyrrhotite disseminated up to 3% locally.	Outcrop
Gold Dyke	K838302	ROCK	NAD83 Zone 10	399718.6169	5413514.865	632.24	Rock Sample		Grey_ massive_ silicified ash tuff flow_ locally with strong iron oxide and moderate clay alteration with disseminated silvery pyrrhotite 5%_ milky beige quartz-calcite vein 282/78 7cm width discontinuous. Sample is vein material.	Outcrop
Gold Dyke	K838303	ROCK	NAD83 Zone 10	399737.0887	5413932.5	704.5	Rock Sample		Massive_ dark grey_ medium grained ash-lapilli tuff flow_ beige quartz/feldspar and black lithics 1mm 20%_ strong pervasive iron oxide and clay alteration_ parallel milky beige quartz calcite veins 135/40 15cm and 40cm width. Sample is vein material.	Outcrop

Zone	SampleID	Site Type	UTM Datum	Easting	Northing	Altitude	Sample Type	QAQC ID	Rock Description	Outcrop Type
Gold Dyke	K838304	ROCK	NAD83 Zone 10	399655.3555	5413465.144	621.16	Rock Sample		Dark green_ massive_ medium grained_ silicified ash-lapilli tuff flow_ with beige feldspar and black lithics 1mm 15%_ locally strong iron oxide and clay alteration_ milky white quartz vein 162/80 4cm width_ laminated along vein orientation with thin planes of red iron oxide_ cloudy grey quartz inclusions in surrounding host has pale yellow pyrite disseminated 1%.	Outcrop
Gold Dyke	K838305	ROCK	NAD83 Zone 10	399307.7881	5413211.101	515.78	Rock Sample		Dark grey_ massive_ fine grained_ silicified ash tuff flow_ strong iron oxide and moderate clay alteration along fractures_ large pale yellow to rusty brown cubic pyrite disseminated 10% and chalcopyrite 2%_ various intersecting fracture planes 240/22_ 031/71_ possibly thin rusted out veins.	Outcrop
Gold Dyke	K838306	ROCK	NAD83 Zone 10	399295.3218	5413325.428	576.38	Rock Sample		Dark green to dark grey_ massive_ fine to medium grained_ silicified ash tuff flow_ black lithics up to 1mm sometimes visible 15%_ silvery pyrrhotite and pyrite finely disseminated 5%_ wispy white to rusty orange quartz veinlets 5% with possible source 051/82 and 2mm width_ moderate iron oxide and weak clay alteration along fractures_ intersecting iron-carb chlorite veins 295/15 1cm width and 140/80 2cm width. Sample is mineralized host.	Outcrop
Gold Dyke	K838307	ROCK	NAD83 Zone 10	399266.9494	5413703.341	637.14	Rock Sample		Medium grey_ massive_ fine grained_ silicified ash tuff flow_ strong iron oxide and weak clay alteration along abundant fractures_ pale yellow pyrite disseminated 6% and as larger 1mm cubes in calcite inclusion voids 10%_ with lesser disseminated pyrrhotite and chalcopyrite each 2%_ milky white to rusty purple quartz-calcite vein with pull-apart comb texture 284/70 and 1-2cm width_ vein has black chlorite rims 1mm each and black chlorite center 2mm-1cm.	Outcrop
Gold Dyke	K838308	QAQC					Standard	CDN-CGS-30		
Gold Dyke	K838309	ROCK	NAD83 Zone 10	399062.2256	5413176.435		Rock Sample		Dark green_ massive_ fine to medium grained_ silicified ash-lapilli tuff flow_ beige feldspars 1mm 10% sometimes visible in areas of less intense silicification_ strong iron oxide alteration along fractures_ cloudy white quartz-calcite veinlets 1mm can blow out to 1.5cm patches and planes of clear calcite_ pale yellow to rusty brown pyrite disseminated 3% with lesser pyrrhotite 1% and chalcopyrite 1%.	Outcrop
Gold Dyke	K838310	ROCK	NAD83 Zone 10	399732.0481	5413547.493		Rock Sample		Dark grey to dark green_ massive_ fine to medium grained_ silicified ash-lapilli tuff flow_ with black angular lithics 1mm-1cm 10%_ strong iron oxide and weak clay alteration along abundant fractures_ silvery pyrrhotite disseminated 8%.	Outcrop
Frontside	D704575	ROCK	NAD83 Zone 10	403821.0542	5413300.118		Rock Sample		Light grey silica flooded possible sericite clay chlorite alt. coarse pyrite poss. enaegite. gossanous weathered surfaces. I'm outcrop, possible intrusive nearby or protolith. Rock is extremely hard.	Outcrop
Frontside	D704576	ROCK	NAD83 Zone 10	403806.1744	5413305.275		Rock Sample		heavily clay altered brecciated sample with orange weathered surfaces abundant pyrite	Outcrop
Frontside	D704577	ROCK	NAD83 Zone 10	403552.097	5413473.466		Rock Sample		heavily fractured clay altered silica intrusive. abundant pyrite. orange weathered surfaces	Outcrop
Frontside	D704578	ROCK	NAD83 Zone 10	403441.4522	5413538.191		Rock Sample		extremely altered and brecciated intrusive? andesite? clay alt. ab pyrite	Outcrop
Frontside	D704579	ROCK	NAD83 Zone 10	403334.7749	5413679.883		Rock Sample		clay altered andesite with abundant pyrite	Outcrop
Frontside	D704580	ROCK	NAD83 Zone 10	403003.3716	5413920.956		Rock Sample		Massive fg volcaniclastic tuff with silica sericite alt. ab pyrite	Outcrop

Zone	SampleID	Site Type	UTM Datum	Easting	Northing	Altitude	Sample Type	QAQC ID	Rock Description	Outcrop Type
Frontside	D990969	SILT	NAD83 Zone 10	403483	5413422		Silt Sample		Juvenile sediments, large clasts, some fg material. Heavy flow. Used Sediment Flotation Pan	N/A

Project	Sample Number	Sample Type	Sampler	Sample Depth cm	Soil Horizon	Colour Sh	Colour	Colour 2	Sediment	Sediment	Sediment	Moisture	Datum	Easting_NAD83	Northing_NAD83	Elevation	Weight of Dirt(g)	Weight of Water(g)	Total Weight (g)	Temp after 30 mins	pH after 30 mins
Cowichan	K838001	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		3 - Moist	UTM NAD83 Z10N	398951.3117	5413063.588	535.391102	5	10.9	15.9	15.4	5.8
Cowichan	K838002	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.6961	5413114.68	536.754883	5.1	11.9	17	15.4	5.4
Cowichan	K838003	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.8743	5413162.467	544.536897	5	10.3	15.3	15.1	5.4
Cowichan	K838004	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398949.2197	5413215.119	558.920975	5	9.9	14.9	15.8	5.3
Cowichan	K838005	Soil	Victor	30	B Horizon	Medium	Grey		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.6217	5413265.006	576.037502	5	10.7	15.7	15.6	5.8
Cowichan	K838006	Soil	Victor	65	B Horizon	Light	Brown		Silt	SND		4 - Wet	UTM NAD83 Z10N	398950.5566	5413314.774	586.722526	5.4	12.2	17.6	15.2	5.9
Cowichan	K838007	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.5589	5413365.007	609.680007	5.2	10.4	15.6	14	6
Cowichan	K838008	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398949.9786	5413415.273	630.032806	4.9	11	15.9	14	5.4
Cowichan	K838009	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.3748	5413465.041	647.326373	4.9	10.3	15.2	14.1	5.6
Cowichan	K838010	Soil	Victor	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.5823	5413514.611	662.785916	5.3	10.9	16.2	13.9	5.6
Cowichan	K838011	Soil	Victor	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398949.6159	5413563.773	664.655881	5.4	11.1	16.5	14	5.6
Cowichan	K838012	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.6245	5413615.108	667.608549	5.1	10.1	15.2	14	5.6
Cowichan	K838013	Soil	Victor	45	B Horizon	Medium	Brown		Silt	CLY		4 - Wet	UTM NAD83 Z10N	398950.4482	5413664.335	663.864295	6.3	11.3	17.6	14	5.6
Cowichan	K838014	Soil	Victor	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.0868	5413715.038	673.99298	5.7	10.2	15.9	14.1	5.2
Cowichan	K838015	Soil	Victor	30	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398949.6451	5413765.384	678.684865	4.9	12	16.9	14.1	5.5
Cowichan	K838016	Soil	Victor	30	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398950.0725	5413814.97	668.559493	5.4	11.6	17	15.5	5.7
Cowichan	K838017	Soil	Victor	40	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398949.5092	5413864.659	684.849326	6.5	9.9	16.4	15.3	6.3
Cowichan	K838018	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	398949.9542	5413915.854	660.682524	5.4	13.3	18.7	15.4	5.5
Cowichan	K838019	Soil	Victor	35	B Horizon	Dark	Orange		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398950.7696	5413964.738	681.4409	5	10.3	15.3	14.2	5.4
Cowichan	K838020	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.9423	5414014.961	666.804477	5.7	10.5	16.2	16	6
Cowichan	K838021	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.3344	5414114.944	685.92238	5.5	10.3	15.8	13.5	5.9
Cowichan	K838022	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.4361	5414164.941	708.818356	5.4	10.7	16.1	15.5	5.9
Cowichan	K838023	Soil	Victor	45	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398950.2262	5414215.296	714.735024	5	11.4	16.4	15.6	5.2
Cowichan	K838024	Soil	Victor	35	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398949.9111	5414265.105	715.800592	5.2	11.2	16.4	15.1	5.5
Cowichan	K838027	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398949.8858	5414314.842	734.742015	5.3	12.5	17.8	15.4	5.8
Cowichan	K838028	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398941.5055	5414408.984	666.804477	5.7	10.9	16.6	15.4	5.1
Cowichan	K838029	Soil	Victor	35	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398847.4016	5414414.817	758.044091	5	10.1	15.1	15.2	5.1
Cowichan	K838030	Soil	Victor	35	B Horizon	Medium	Grey		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.1912	5414365.693	745.079991	5.1	11.5	16.6	15.1	5.1
Cowichan	K838031	Soil	Victor	45	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.2531	5414316.184	739.728702	5.1	11.1	16.2	15.7	5.2
Cowichan	K838032	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398851.0024	5414215.609	738.658521	4.8	10.2	15.2	14.2	5.5
Cowichan	K838033	Soil	Victor	35	B Horizon	Light	Orange		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.4713	5414166.163	746.046568	5.4	10.3	15.7	15.2	4.7
Cowichan	K838034	Soil	Victor	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.7108	5414115.549	726.516113	5.2	10.5	15.7	15.5	5.3
Cowichan	K838035	Soil	Victor	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.2517	5414065.261	711.838525	5.4	10.2	15.6	16.9	6.6
Cowichan	K838036	Soil	Victor	55	B Horizon	Medium	Grey		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398850.599	5414015.643	709.503619	5.1	9.8	14.9	14.1	5.7
Cowichan	K838037	Soil	Victor	45	B Horizon	Medium	Grey		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398850.7056	5413966.706	696.353163	5.9	10.3	16.2	14	6
Cowichan	K838038	Soil	Victor	45	B Horizon	Medium	Grey		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398850.4341	5413916.327	685.102003	5.1	10	15.1	14.2	5
Cowichan	K838039	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.7863	5413865.539	697.167488	5.2	9.7	14.9	14.2	6.2
Cowichan	K838041	Soil	Victor	35	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398849.8652	5413765.866	696.585664	5.2	10	15.2	13.5	5.9
Cowichan	K838042	Soil	Victor	35	B Horizon	Medium	Grey		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398847.773	5413713.25	696.306411	5.4	10.3	15.7	13.8	6.2
Cowichan	K838043	Soil	Victor	35	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398847.829	5413665.698	702.174944	5.8	10.1	15.9	14	5.1
Cowichan	K838044	Soil	Victor	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398849.0568	5413616.047	700.127362	5.3	11	16.3	13.6	5.7
Cowichan	K838045	Soil	Victor	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398849.851	5413566.313	689.598809	4.8	10.1	14.9	13.6	6.1
Cowichan	K838046	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.1709	5413515.505	681.591107	4.8	12.4	17.2	13.7	5.8
Cowichan	K838047	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.6891	5413465.288	651.691684	5.3	9.9	15.2	15.9	5.4
Cowichan	K838048	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.5281	5413415.871	639.44653	5.3	12.2	17.5	13.6	6
Cowichan	K838049	Soil	Victor	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.0562	5413366.119	613.16415	5.1	11.2	16.3	13.6	6.2
Cowichan	K838050	Soil	Victor	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.1666	5413315.974	597.324634	5.3	12.1	17.4	15.2	5.4
Cowichan	K838053	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.1534	5413215.695	572.393417	5.2	11.8	17	13.8	7.2
Cowichan	K838054	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398850.3744	5413116.036	554.313017	4.9	12.6	17.5	13.5	5.8
Cowichan	K838055	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398849.2506	5413065.9	535.459446	4.8	9.9	14.7	13.6	5.6
Cowichan	K838056	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398749.2558	5413069.146	548.536998	5.4	10	15.4	13.5	5.6
Cowichan	K838057	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398749.143	5413168.806	570.80177	5.1	11.8	16.9	14.1	5.5
Cowichan	K838058	Soil	Victor	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398749.0102	5413219.325	580.679384	5	11.3	16.3	13.5	6.3
Cowichan	K838059	Soil	Victor	50	B Horizon	Dark	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398749.2893	5413268.356	622.035424	4.9	11.2	16.1	13.6	6.2
Cowichan	K838060	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398748.8358	5413319.103	613.488967	5	10.6	15.6	14	7.1
Cowichan	K838061	Soil	Victor	40	B Horizon	Medium	Brown		Clay	SLT		2 - Damp	UTM NAD83 Z10N	398748.6725	5413367.64	635.250872	5.4	9.5	14.9	13.7	5.9
Cowichan	K838062	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398749.2801	5413418.939	652.127014	5.3	9.7	15	13.6	6
Cowichan	K838063	Soil	Victor	45	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398748.8826	5413469.633	677.39169	5.1	10.1	15.2	13.5	5.7
Cowichan	K838064	Soil	Victor	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	398749.3784	5413518.749	692.624966	5.4	12.7	18.1	16.4	6.4
Cowichan	K838101	Soil	Liam	25	B Horizon	Dark	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399148.8465	5413060.649	504.252258	5	13	18	14.5	5.6
Cowichan	K838102	Soil	Liam	15	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399148.9315	5413110.453	521.689209	5	10	15	14.5	5
Cowichan	K838103	Soil	Liam	10	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399149.2785	5413160.873	530.213379	5.6				

Project	Sample Number	Sample Type	Sampler	Sample Depth cm	Soil Horizon	Colour Sh	Colour	Colour 2	Sediment	Sediment	Sediment	Moisture	Datum	Easting_NAD83	Northing_NAD83	Elevation	Weight of Dirt(g)	Weight of Water(g)	Total Weight (g)	Temp after 30 mins	pH after 30 mins
Cowichan	K838110	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399150.2427	5413560.408	533.347534	5.2	10.6	15.8	14	5.8
Cowichan	K838111	Soil	Liam	25	B Horizon	Dark	Brown		Silt	CLY	SND	5 - Saturat	UTM NAD83 Z10N	399149.4277	5413611.282	533.347534	5	10.4	15.4	14.1	5.9
Cowichan	K838112	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399150.3647	5413660.627	533.347534	6.2	11.1	17.3	14.1	6.3
Cowichan	K838113	Soil	Liam	15	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399149.8215	5413710.21	622.598145	5.3	12.8	18.1	14.4	5.7
Cowichan	K838114	Soil	Liam	20	B Horizon	Medium	Brown		Sand	SLT	CLY	3 - Moist	UTM NAD83 Z10N	399149.4276	5413759.458	623.606567	5.2	12.1	17.3	14.4	6.1
Cowichan	K838115	Soil	Liam	20	B Horizon	Light	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399149.5441	5413810.682	666.739746	6.4	11.2	17.6	14.4	5.8
Cowichan	K838116	Soil	Liam	15	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399148.6398	5413859.034	663.583008	5.2	10.9	16.1	14	5.6
Cowichan	K838117	Soil	Liam	20	B Horizon	Medium	Brown		Clay	SLT		3 - Moist	UTM NAD83 Z10N	399145.0734	5413910.437	663.506592	5.1	10.8	15.9	14.1	6.1
Cowichan	K838118	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	3 - Moist	UTM NAD83 Z10N	399147.3453	5413960.845	663.018433	5.1	11.3	16.4	14.9	5.5
Cowichan	K838119	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399153.0225	5414008.871	684.639282	5.4	11.9	17.3	14.1	5.2
Cowichan	K838120	Soil	Liam	40	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399151.3481	5414061.138	685.920776	5.5	10.8	16.3	15	5.8
Cowichan	K838121	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		3 - Moist	UTM NAD83 Z10N	399149.757	5414104.901	702.035889	5.3	11	16.3	14.9	4.8
Cowichan	K838122	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399148.6761	5414160.898	713.414673	5.1	10	15.1	14.9	5.3
Cowichan	K838123	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	3 - Moist	UTM NAD83 Z10N	399150.1157	5414209.334	726.016724	6.1	10.1	16.2	14.8	4.7
Cowichan	K838124	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY	SND	1 - Dry	UTM NAD83 Z10N	399150.0145	5414261.256	738.017334	5.4	10.9	16.3	14.5	5.6
Cowichan	K838126	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399150.8103	5414306.952	747.080566	5.1	9.9	15	14.2	5.1
Cowichan	K838127	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399149.6525	5414361.761	752.438965	5.3	12.3	17.6	14.3	5.2
Cowichan	K838128	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399148.7853	5414412.312	755.814087	5.3	11.7	17	14.8	4.9
Cowichan	K838129	Soil	Liam		B Horizon								UTM NAD83 Z10N	399046.0473	5414409.804		5.1	11.3	16.4	14.9	6
Cowichan	K838130	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399047.4267	5414363.675	750.193359	5.1	11.2	16.3	14.1	4.9
Cowichan	K838131	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399050.4798	5414314.38	734.893799	5.2	12.3	17.5	14.2	4.5
Cowichan	K838132	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399049.1973	5414262.089	721.918701	5.3	10.1	15.4	14.9	5.6
Cowichan	K838133	Soil	Liam	45	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399047.666	5414210.755	718.901855	5.1	10.2	15.3	14.9	4.8
Cowichan	K838134	Soil	Liam	30	B Horizon	Medium	Brown		Silt	CLY		3 - Moist	UTM NAD83 Z10N	399051.8304	5414164.57	716.112793	5.1	10.7	15.8	14.4	5.9
Cowichan	K838135	Soil	Liam	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399052.8901	5414113.127	673.723633	5.1	11.6	16.7	14.5	5.8
Cowichan	K838136	Soil	Liam	10	B Horizon	Medium	Brown		Sand	SLT	CLY	2 - Damp	UTM NAD83 Z10N	399050.2657	5414066.044	679.536885	5.5	12	17.5	14.2	6.6
Cowichan	K838137	Soil	Liam	15	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399049.0293	5414013.569	671.660889	5.2	10.7	15.9	14.2	5.7
Cowichan	K838138	Soil	Liam	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399052.9719	5413961.903	657.446289	5	10.2	15.2	14.1	4.1
Cowichan	K838139	Soil	Liam	35	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399051.2083	5413913.107	645.01001	5.3	10.1	15.4	14.2	4.9
Cowichan	K838140	Soil	Liam	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399050.5662	5413862.4	644.570557	5.1	12.6	17.7	14.8	5.8
Cowichan	K838141	Soil	Liam	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399049.7356	5413810.463	653.949707	5.1	10.9	16	14.9	5.9
Cowichan	K838142	Soil	Liam	25	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399048.9127	5413765.181	651.386719	4.9	11.2	16.1	14.8	5.3
Cowichan	K838143	Soil	Liam	25	B Horizon	Light	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399051.6428	5413712.82	648.972656	5.1	10.5	15.6	14.2	5.8
Cowichan	K838144	Soil	Liam	30	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399052.5592	5413664.325	644.319336	5.2	10.7	15.9	14.2	5.9
Cowichan	K838145	Soil	Liam	45	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399050.5085	5413614.875	648.957275	5.3	13.5	18.8	14.1	5.8
Cowichan	K838146	Soil	Liam	40	B Horizon	Medium	Brown		Silt	CLY	SND	1 - Dry	UTM NAD83 Z10N	399054.0213	5413562.266	647.196289	5.7	12.2	17.9	14.3	5.3
Cowichan	K838147	Soil	Liam	20	B Horizon	Dark	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399049.7114	5413512.434	628.921387	5.2	11	16.2	14.2	5.7
Cowichan	K838148	Soil	Liam	25	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399049.9635	5413462.825	628.076904	5.2	10.2	15.4	14.1	6.2
Cowichan	K838149	Soil	Liam	25	B Horizon	Dark	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399050.1027	5413412.592	618.945923	5.6	14.1	19.7	14.7	6.1
Cowichan	K838201	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399554.3204	5413061.588	522.232885	5.8	10.6	16.4	14.4	4.6
Cowichan	K838202	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399550.4472	5413108.449	522.232885	5.7	11	16.7	14.6	5.1
Cowichan	K838203	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399551.4645	5413155.611	522.232885	5.2	11.9	17.1	14.7	5.1
Cowichan	K838204	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399553.2638	5413602.258	662.204229	5.3	10.2	15.5	14.6	4.9
Cowichan	K838205	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399550.0641	5413650.73	522.232885	5.2	10.4	15.6	14.8	4.9
Cowichan	K838206	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399548.1523	5413700.465	688.80733	5.2	10	15.2	14.9	5.3
Cowichan	K838207	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399550.8221	5413755.531	702.026659	5.6	12.7	18.3	14.6	4.7
Cowichan	K838208	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399554.5266	5413800.829	714.501665	5.1	10.5	15.6	14.8	4.8
Cowichan	K838209	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399552.8111	5413854.364	729.445489	5.4	11	16.4	14.6	4.7
Cowichan	K838210	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399547.3487	5413904.842	729.13645	5.3	12.9	18.2	14.5	4.8
Cowichan	K838211	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399549.4085	5413953.06	738.765791	5.4	10.4	15.8	14.7	4.7
Cowichan	K838212	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399547.2764	5414004.744	750.737699	5.2	10.1	15.3	14.6	5
Cowichan	K838213	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399544.5426	5414053.024	746.866703	5.6	10.5	16.1	14.5	5
Cowichan	K838214	Soil	Victor	30	B Horizon	Medium	Brown		Sand			2 - Damp	UTM NAD83 Z10N	399450.398	5414154.545	741.157922	5.3	10.6	15.9	14.7	4.4
Cowichan	K838215	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399449.0266	5414206.61	732.495661	5.2	9.9	15.1	14.7	4.7
Cowichan	K838216	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399450.5977	5414257.901	730.561286	5.3	11.1	16.4	14.7	5.1
Cowichan	K838217	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399447.7964	5414111.822	744.042075	5	11.2	16.2	14.7	5.1
Cowichan	K838218	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399450.744	5414058.794	742.683318	5.8	11.3	17.1	14.6	4.7
Cowichan	K838219	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399451.4387	5414010.818	730.968085	5.1	10.4	15.5	14.6	4.9
Cowichan	K838220	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399447.8518	5413957.7	722.053488	5.4	10.9	16.3	14.5	4.7
Cowichan	K838221	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399445.8648	5413996.841	716.400677	5.1	10.8	15.9	14.5	5
Cowichan	K838222	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399444.2599	5413850.593	704.678832	5.1	11	16.1	14.8	5
Cowichan	K838223	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399452.6252	5413806.186	6					

Project	Sample Number	Sample Type	Sampler	Sample Depth cm	Soil Horizon	Colour Sh	Colour	Colour 2	Sediment	Sediment	Sediment	Moisture	Datum	Easting_NAD83	Northing_NAD83	Elevation	Weight of Dirt(g)	Weight of Water(g)	Total Weight (g)	Temp after 30 mins	pH after 30 mins
Cowichan	K838231	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	399445.4814	5413050.203	504.482658	5.1	11.5	16.6	14.8	4.9
Cowichan	K838232	Soil	Alex	30	B Horizon	Dark	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398649.169	5413070.931	556.419339	5.2	11.9	17.1	14.7	5
Cowichan	K838233	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398648.3137	5413126.695	562.711365	5.4	12.1	17.5	14.7	5.1
Cowichan	K838234	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398651.0344	5413173.735	582.475999	5.3	10.6	15.9	14.8	4.8
Cowichan	K838235	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398651.7148	5413228.86	585.741659	5.2	12.1	17.3	14.6	5.4
Cowichan	K838236	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398648.0721	5413270.799	603.462468	5.4	11.1	16.5	14.8	5.8
Cowichan	K838237	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398653.3778	5413318.948	613.758014	5.2	12.5	17.7	14.8	4.9
Cowichan	K838238	Soil	Alex	40	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398649.1343	5413372.195	636.122566	5.3	11.7	17	14.6	5.2
Cowichan	K838239	Soil	Alex	30	B Horizon	Medium	Brown		Clay	SLT		3 - Moist	UTM NAD83 Z10N	398648.4687	5413419.573	646.844638	5.4	10.8	16.2	14.7	5.4
Cowichan	K838240	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398649.3636	5413472.141	668.431212	5.2	10.3	15.5	14.7	4.9
Cowichan	K838241	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398647.9754	5413522.267	681.156946	5.8	10	15.8	14.5	5
Cowichan	K838242	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398647.4172	5413571.753	710.160439	5.3	11.8	17.1	14.8	5
Cowichan	K838243	Soil	Alex	15	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398646.7609	5413619.666	730.270972	5.1	9.8	14.9	14.5	5.8
Cowichan	K838244	Soil	Alex	5	B Horizon	Medium	Brown		Silt	SND	CLY	1 - Dry	UTM NAD83 Z10N	398649.7977	5413676.326	754.931089	5.1	10.3	15.4	14.7	4.6
Cowichan	K838245	Soil	Alex	20	B Horizon	Medium	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	398650.534	5413720.241	754.103856	5.2	11.3	16.5	14.6	4.8
Cowichan	K838246	Soil	Alex	10	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398648.7413	5413772.614	757.209729	5.6	12.5	18.1	14.6	4.6
Cowichan	K838247	Soil	Alex	10	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398645.8612	5413826.006	749.617819	5.3	11.7	17	14.8	5.7
Cowichan	K838248	Soil	Alex	30	B Horizon	Dark	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398649.8947	5413873.448	759.063835	5.2	11.4	16.6	14.6	4.4
Cowichan	K838249	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398648.2074	5413922.184	761.310456	5.6	10.5	16.1	14.8	4.3
Cowichan	K838251	Soil	Jerry	20	B Horizon	Medium	Brown		Sand	SLT		2 - Damp	UTM NAD83 Z10N	399348.8211	5413102.793	517.885049	5.2	11.7	16.9	14.3	5.7
Cowichan	K838252	Soil	Jerry	30	B Horizon	Medium	Brown		Sand	SLT		2 - Damp	UTM NAD83 Z10N	399352.9633	5413057.584	510.167834	4.9	10.3	15.2	13.8	5
Cowichan	K838253	Soil	Jerry	10	B Horizon	Light	Brown		Sand	SLT		1 - Dry	UTM NAD83 Z10N	399350.937	5413154.115	546.085943	5.4	11.3	16.7	14.2	5.8
Cowichan	K838254	Soil	Jerry	20	B Horizon	Medium	Brown		Sand	SLT		2 - Damp	UTM NAD83 Z10N	399351.9675	5413211.181	540.280381	6.3	11.3	17.6	14.3	4.7
Cowichan	K838255	Soil	Jerry	30	B Horizon	Medium	Brown		Sand	SLT		2 - Damp	UTM NAD83 Z10N	399352.0445	5413260.253	560.905303	5.1	10.6	15.7	13.8	5.5
Cowichan	K838256	Soil	Jerry	30	B Horizon	Medium	Brown		Sand	SLT		3 - Moist	UTM NAD83 Z10N	399351.4673	5413305.577	582.536244	5.4	10.7	16.1	13.6	5.2
Cowichan	K838257	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399354.747	5413357.621	581.606377	5.7	11.1	16.8	14.1	5
Cowichan	K838258	Soil	Jerry	25	B Horizon	Medium	Brown		Sand	SLT		2 - Damp	UTM NAD83 Z10N	399350.1035	5413407.891	591.212907	5.2	12.7	17.9	14.5	5.6
Cowichan	K838259	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399352.821	5414212.51	738.299189	5.2	10.4	15.6	13.8	5.8
Cowichan	K838260	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399345.438	5414258.159	740.335726	5.4	13.3	18.7	13.7	5.7
Cowichan	K838261	Soil	Jerry	40	B Horizon	Light	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399351.1779	5414155.114	740.802121	5.4	12.6	18.4	14.5	4.5
Cowichan	K838262	Soil	Jerry	40	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	399350.6409	5414108.409	741.421581	5.3	10.3	15.6	14.5	4.5
Cowichan	K838263	Soil	Jerry	15	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399350.3642	5414058.429	739.985627	5.8	11.2	17	14.5	5.2
Cowichan	K838264	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399352.4677	5413961.454	720.447052	5.5	11.1	16.6	13.6	5.2
Cowichan	K838265	Soil	Jerry	30	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399351.867	5413905.896	697.720483	5.2	13	18.2	14.8	5.6
Cowichan	K838266	Soil	Jerry	35	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399348.3745	5413855.122	700.476016	5	13.4	18.4	14.2	5.2
Cowichan	K838267	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399347.6291	5413812.751	694.758192	5.1	11	16.1	14.1	5.3
Cowichan	K838268	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399352.0786	5413757.782	673.818306	5.2	10.1	15.3	14.7	5.5
Cowichan	K838269	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399345.8774	5413708.875	651.575815	5.1	10.5	15.6	14.4	5
Cowichan	K838270	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399351.4794	5413658.073	637.814058	5.3	10.4	15.7	14.4	5.8
Cowichan	K838271	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399350.1894	5413606.366	631.619389	5	10.5	15.5	14.3	4.1
Cowichan	K838272	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399348.3869	5413557.258	630.223722	5.5	11.1	16.6	13.7	5.5
Cowichan	K838273	Soil	Jerry	30	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399357.6297	5413515.992	606.758328	5	10.4	15.4	13.6	5.3
Cowichan	K838274	Soil	Jerry	40	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399348.435	5413462.709	600.620751	5	11	16	13.6	4.7
Cowichan	K838276	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399247.7584	5413157.153	521.485024	5.2	11.4	16.6	14.2	5
Cowichan	K838277	Soil	Jerry	30	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399248.2627	5413110.546	511.413939	5.2	10.7	15.9	14.2	5
Cowichan	K838278	Soil	Jerry	30	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399248.517	5413061.553	507.870095	5.2	11.9	17.1	13.8	4.7
Cowichan	K838279	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399249.7946	5413208.769	536.874499	5	10.7	15.7	14.2	5.7
Cowichan	K838280	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399247.7768	5413263.764	551.83283	4.9	10.3	15.2	14.1	5.5
Cowichan	K838281	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399251.1514	5413312.032	584.069981	5.4	12	17.4	14.4	5.3
Cowichan	K838282	Soil	Jerry	40	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399247.7414	5413357.129	598.25293	5.9	11.8	17.7	14.6	5.4
Cowichan	K838283	Soil	Jerry	20	B Horizon	Light	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399250.5752	5413409.425	602.804728	5.3	9.7	15	13.6	5.7
Cowichan	K838284	Soil	Jerry	25	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399251.2706	5413458.708	598.551356	5.2	10.3	15.5	13.6	5.5
Cowichan	K838285	Soil	Jerry	15	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399249.4504	5413512.86	605.973794	5.1	10.5	15.6	14.1	5.5
Cowichan	K838286	Soil	Jerry	30	B Horizon	Dark	Red		Silt	SND		2 - Damp	UTM NAD83 Z10N	399245.1445	5413559.239	607.356535	5.4	10.6	16	13.5	5.4
Cowichan	K838287	Soil	Jerry	40	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399248.9556	5413606.824	615.747466	5.3	10.5	15.8	13.6	5.4
Cowichan	K838288	Soil	Jerry	20	B Horizon	Medium	Brown		Silt	SND		2 - Damp	UTM NAD83 Z10N	399248.2767	5413659.904	625.050544	5.2	9.8	15	13.6	5.5
Cowichan	K838351	Soil	Alex	20	B Horizon	Medium	Brown		Silt	SND	CLY	2 - Damp	UTM NAD83 Z10N	398639.5073	5414032.77	762.085344	5.2	10.2	15.4	14.4	5.6
Cowichan	K838352	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398651.4827	5414078.576	756.795884	6.4	10.3	16.7	13.6	5
Cowichan	K838353	Soil	Alex	30	B Horizon	Medium	Brown		Silt	SND	CLY	3 - Moist	UTM NAD83 Z10N	398651.7062	5414127.11	760.333326	5.2	10.6	15.8	14.2	4.8
Cowichan	K838401	Soil	Liam	30	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399048.619	5413363.485	601.620361	5.8	10.6	16.4	14.1	5.7
Cowichan	K838402	Soil	Liam	30	B Horizon	Dark	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399049.6835	5413312.617	582.037109	5.6	11.6	17.2	14	5.1
Cowichan	K838403	Soil	Liam	20	B Horizon	Dark	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399051.3309	5413262.986	564.794434	5.4	9.9	15.3	14.9	5.3</

Project	Sample Number	Sample Type	Sampler	Sample Depth cm	Soil Horizon	Colour Sh	Colour	Colour 2	Sediment	Sediment	Sediment	Moisture	Datum	Easting NAD83	Northing NAD83	Elevation	Weight of Dirt(g)	Weight of Water(g)	Total Weight (g)	Temp after 30 mins	pH after 30 mins
Cowichan	K838410	Soil	Liam	35	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399249.7626	5414058.393	700.990723	5.7	11.9	17.6	14	5.2
Cowichan	K838411	Soil	Liam	40	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399248.4153	5414008.628	698.073242	5.1	12	17.1	14.9	4.4
Cowichan	K838412	Soil	Liam	20	B Horizon	Medium	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399249.4537	5413959.484	689.303955	5.1	12.4	17.5	14.9	5.1
Cowichan	K838413	Soil	Liam	25	B Horizon	Medium	Orange		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399250.3557	5413908.009	685.520264	5	10	15	14	5.1
Cowichan	K838414	Soil	Liam	25	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399249.6957	5413860.681	668.599609	5.4	10.5	15.9	14.9	4.5
Cowichan	K838415	Soil	Liam	20	B Horizon	Light	Brown		Silt	CLY		2 - Damp	UTM NAD83 Z10N	399247.4317	5413809.955	676.315063	5.1	10.7	15.8	14.9	5
Cowichan	K838416	Soil	Liam	35	B Horizon	Dark	Brown		Silt	CLY	SND	2 - Damp	UTM NAD83 Z10N	399248.708	5413760.404	645.850586	5.1	11.7	16.8	14.2	5.7

APPENDIX D

ASSAY CERTIFICATES



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 2770 LEIGH RD #148
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 Plus Appendix Pages
 Finalized Date: 28-DEC-2024
 This copy reported on
 30-DEC-2024
 Account: TRIPGEO

CERTIFICATE VA24340458

Project: Cow
 P.O. No.: Cow-001
 This report is for 30 samples of Rock submitted to our lab in Vancouver, BC, Canada on 27-NOV-2024.
 The following have access to data associated with this certificate:
 TRIPOINT ASSAYS

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
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

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, Director, North Vancouver Operations



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Project: Cow

CERTIFICATE OF ANALYSIS VA24340458

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
K479186		1.59	0.016	0.18	8.29	29.2	90	0.92	0.03	6.30	0.19	21.0	24.4	19	0.75	43.0
K479187		1.79	0.006	0.13	8.26	8.1	170	0.77	0.05	2.63	0.10	23.2	22.9	13	0.49	39.2
K479188		2.08	0.018	0.37	8.59	17.2	270	0.94	0.03	2.60	0.14	27.9	19.6	16	1.58	51.2
K479189		0.62	0.016	0.23	9.60	15.3	450	0.89	0.35	1.47	<0.02	7.16	19.6	9	2.23	8.7
K479190		1.91	<0.005	0.60	7.86	54.0	410	0.60	0.06	0.90	0.40	28.3	27.6	7	1.53	66.0
K479191		1.21	0.007	0.57	6.87	22.6	190	0.44	0.03	0.15	0.19	27.6	23.6	6	1.01	38.4
K479192		2.04	0.007	0.30	3.34	5.8	2040	0.28	0.02	0.17	0.07	10.75	5.7	6	0.30	62.7
K479193		1.77	0.056	4.34	0.46	84.4	590	0.12	0.44	0.11	133.5	2.14	1.7	17	0.08	1415
K479194		1.62	0.571	1.56	1.07	428	400	0.15	0.42	0.21	12.60	4.94	2.0	14	0.18	121.0
K479195		1.31	8.17	3.56	1.33	265	440	0.29	0.40	0.04	1.18	2.70	1.5	14	0.27	167.0
K479196		0.85	0.346	0.52	7.98	398	480	0.45	0.06	0.15	0.26	16.55	9.7	12	1.30	17.5
K479197		1.45	0.277	2.27	1.26	846	160	0.15	0.77	0.06	11.80	35.8	2.3	12	0.29	49.6
K479198		2.51	0.034	0.43	8.30	41.9	40	0.77	0.25	7.76	0.08	24.1	25.0	63	0.17	611
K838151		0.90	<0.005	0.07	9.67	12.0	1890	1.07	0.07	2.46	0.17	35.2	20.0	4	2.56	39.8
K838152		0.55	0.034	0.58	1.47	31.3	750	0.31	0.01	0.07	0.63	3.19	2.5	12	0.35	86.0
K838153		0.63	0.008	0.13	9.91	29.8	1030	0.87	0.22	0.27	0.08	10.70	21.5	6	2.75	27.9
K838154		0.77	0.015	0.10	3.02	38.0	530	0.40	0.02	13.10	0.60	37.7	8.4	2	0.94	23.7
K838155		0.91	0.013	0.29	8.60	53.9	400	0.80	0.13	0.22	0.07	12.45	13.1	30	1.86	26.9
K838156		0.98	<0.005	0.03	9.12	19.6	570	0.90	0.02	1.86	0.18	31.7	26.4	9	0.83	37.3
K838451		0.60	0.006	0.13	8.87	25.5	580	1.40	0.03	0.70	0.29	31.9	24.9	4	1.60	39.9
K838301		0.51	<0.005	0.04	9.10	6.3	430	0.95	0.04	2.60	0.09	32.9	23.6	2	1.16	19.8
K838302		0.49	0.011	0.40	9.61	50.4	170	1.34	0.03	7.48	0.69	21.7	30.2	19	0.22	41.5
K838303		0.47	<0.005	0.83	8.98	22.4	860	1.24	0.07	0.11	0.13	9.72	19.0	6	1.96	37.1
K838304		0.49	0.015	0.72	7.82	30.0	1870	0.67	0.30	0.15	0.35	26.3	7.9	6	1.68	23.9
K838305		0.69	<0.005	0.09	8.90	111.0	310	1.13	0.27	4.20	0.19	42.5	29.1	32	0.51	64.9
K838306		0.56	<0.005	0.02	8.60	2.8	440	1.14	0.01	5.39	0.07	32.5	25.7	12	2.35	6.0
K838307		0.57	0.044	0.28	8.45	47.4	2790	1.14	0.05	0.69	4.42	31.2	15.6	2	1.70	66.9
K838308		0.13	0.373	8.80	6.79	19.5	260	1.07	15.80	2.44	11.40	60.1	27.1	48	1.43	1515
K838309		1.39	0.019	0.21	8.01	87.9	800	0.88	0.14	4.17	0.15	43.3	15.1	5	1.94	9.2
K838310		0.76	0.006	0.14	8.47	17.8	2720	0.51	0.03	1.07	0.14	24.2	12.6	19	0.66	80.7

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



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To: TRIPOINT GEOLOGICAL SERVICES
 2770 LEIGH RD #148
 VICTORIA BC V9B 4G1

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Project: Cow

CERTIFICATE OF ANALYSIS VA24340458

Sample Description	Method Analyte Units LOD	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	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
K479186		4.05	26.4	0.06	1.6	0.071	0.79	9.8	11.7	1.01	721	0.50	0.03	5.1	8.2	1280
K479187		6.20	19.50	0.10	1.6	0.066	0.65	9.9	26.1	2.56	1505	0.29	2.82	5.2	7.3	1630
K479188		5.18	18.05	0.10	1.7	0.060	0.92	14.2	18.3	1.49	1025	0.81	2.25	5.3	9.2	1240
K479189		5.29	19.10	0.10	0.6	0.027	3.02	2.8	11.3	2.49	758	1.56	1.91	2.5	6.0	470
K479190		6.53	17.40	0.05	1.8	0.047	1.57	14.7	16.1	0.36	251	1.23	0.45	4.8	7.4	880
K479191		4.13	13.65	0.05	1.2	0.032	1.11	14.2	22.4	0.16	304	0.89	0.02	3.5	5.4	880
K479192		1.09	6.11	<0.05	0.8	0.016	0.39	4.8	16.9	0.10	139	0.74	0.02	3.0	1.3	490
K479193		1.21	1.67	<0.05	0.1	0.040	0.08	1.0	16.2	0.04	855	1.99	0.01	0.1	2.1	40
K479194		3.86	3.57	<0.05	0.1	0.013	0.16	2.4	18.7	0.07	665	3.37	0.01	0.6	2.0	180
K479195		4.56	6.84	<0.05	0.1	0.013	0.36	0.9	24.3	0.22	551	1.50	0.03	0.4	1.8	170
K479196		6.35	19.05	0.08	0.8	0.033	2.13	7.5	14.9	1.99	1295	1.20	1.40	5.1	7.9	1300
K479197		3.92	2.97	0.09	0.1	0.012	0.42	18.3	16.9	0.07	57	18.65	0.02	0.6	1.9	80
K479198		7.84	21.6	0.09	1.6	0.095	0.19	10.8	15.2	2.91	2130	1.65	0.18	5.0	31.1	970
K838151		5.60	19.90	0.10	2.0	0.112	0.78	17.6	18.2	1.61	786	1.58	2.12	6.8	4.2	1600
K838152		1.38	2.93	<0.05	0.1	0.019	0.57	1.6	43.5	0.17	120	2.84	0.03	0.5	2.1	200
K838153		6.55	22.7	0.07	1.5	0.069	3.34	4.3	12.4	1.30	510	1.97	0.64	6.4	4.8	1100
K838154		5.94	6.19	0.08	1.0	0.024	1.22	20.1	7.5	3.60	2860	1.14	0.02	2.6	0.8	390
K838155		6.69	19.10	0.09	1.3	0.060	2.50	4.7	17.4	2.14	586	2.78	1.17	6.0	9.6	1640
K838156		7.07	16.45	0.07	2.2	0.068	0.91	14.3	9.8	1.53	1410	0.89	3.71	5.9	7.0	1280
K838451		6.30	18.85	0.13	2.1	0.059	2.52	22.3	20.4	2.94	1360	1.18	0.67	7.1	6.8	1540
K838301		6.59	20.1	0.14	1.5	0.057	1.99	16.2	17.8	2.40	1850	0.18	2.62	7.5	3.5	1610
K838302		5.45	26.4	0.10	0.8	0.062	0.22	10.1	15.4	0.96	883	29.8	2.34	5.1	13.5	1570
K838303		6.90	20.2	0.10	2.0	0.057	2.44	4.0	8.5	0.86	699	1.16	0.91	7.5	2.4	1550
K838304		5.05	12.45	0.08	1.5	0.041	2.98	15.6	8.6	1.04	483	2.74	0.20	5.0	1.9	850
K838305		8.04	21.7	0.16	1.2	0.116	1.13	20.7	16.8	2.26	1315	0.74	3.00	9.8	17.3	2760
K838306		5.90	20.1	0.12	1.8	0.059	2.37	16.1	31.2	2.25	1235	0.16	0.98	8.1	7.1	1810
K838307		4.81	17.05	0.12	2.2	0.053	4.42	17.9	15.4	2.05	2350	1.50	0.95	9.1	2.9	1610
K838308		8.12	18.90	0.17	4.4	0.587	1.87	28.9	26.1	2.22	872	12.50	1.30	10.6	47.5	440
K838309		5.01	19.60	0.14	2.5	0.074	3.21	21.7	33.8	0.98	885	1.44	0.54	10.0	3.0	1600
K838310		6.50	17.45	0.15	1.0	0.119	0.51	12.6	13.0	1.31	592	4.79	4.33	6.5	7.4	1370

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



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To: TRIPOINT GEOLOGICAL SERVICES
 2770 LEIGH RD #148
 VICTORIA BC V9B 4G1

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 Finalized Date: 28-DEC-2024
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Project: Cow

CERTIFICATE OF ANALYSIS VA24340458

Sample Description	Method Analyte Units LOD	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	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	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
K479186		12.6	9.8	<0.002	0.03	0.66	25.1	3	0.9	387	0.26	<0.05	1.14	0.547	0.20	0.6
K479187		3.7	10.6	<0.002	0.20	0.23	26.8	3	0.8	232	0.25	<0.05	1.34	0.569	0.13	0.7
K479188		8.7	23.2	<0.002	0.23	0.59	19.8	2	1.1	228	0.25	0.14	1.64	0.445	0.22	0.6
K479189		3.7	43.0	0.013	1.65	0.36	21.3	7	0.9	223	0.12	0.78	0.32	0.340	0.42	0.3
K479190		15.8	48.7	<0.002	4.64	39.8	20.9	2	1.0	118.5	0.26	0.56	2.03	0.448	0.33	1.0
K479191		13.4	30.9	<0.002	2.25	44.4	13.7	1	0.9	69.2	0.19	0.24	1.43	0.388	0.18	0.7
K479192		4.5	11.2	<0.002	0.17	27.5	3.9	1	0.3	2080	0.17	<0.05	0.87	0.150	0.07	0.4
K479193		9000	2.5	<0.002	0.50	199.5	0.7	3	0.3	16.1	<0.05	0.09	0.06	0.012	0.05	<0.1
K479194		1460	6.5	<0.002	0.17	40.7	1.9	<1	0.8	16.0	<0.05	0.32	0.24	0.053	0.12	0.1
K479195		711	19.0	<0.002	0.11	12.30	2.7	<1	0.6	13.8	<0.05	0.24	0.15	0.047	0.08	0.1
K479196		70.1	74.1	0.002	0.99	3.92	19.9	1	1.0	58.0	0.27	0.24	1.40	0.442	0.88	0.4
K479197		3110	15.4	0.016	4.18	61.4	1.9	<1	0.5	31.5	<0.05	0.16	0.23	0.058	12.00	0.2
K479198		20.6	3.4	<0.002	0.09	2.05	34.5	1	0.9	928	0.24	0.54	1.30	0.472	0.04	0.5
K838151		11.1	15.8	0.014	1.71	0.68	14.7	5	1.3	450	0.35	0.06	3.06	0.500	0.14	1.1
K838152		113.5	26.7	0.002	0.24	26.4	4.0	<1	0.2	1300	<0.05	0.15	0.21	0.081	0.13	0.1
K838153		13.3	98.3	<0.002	3.82	1.17	27.3	3	1.0	128.5	0.30	0.36	1.61	0.728	1.00	0.8
K838154		8.2	35.0	<0.002	0.82	2.40	7.2	<1	0.4	232	0.14	0.09	1.59	0.148	0.28	0.6
K838155		10.8	68.0	0.007	2.11	1.30	26.2	5	0.9	65.2	0.28	1.48	1.35	0.562	0.58	0.6
K838156		5.8	18.9	<0.002	2.42	0.40	26.6	1	0.8	613	0.30	0.62	2.69	0.508	0.12	1.0
K838451		7.5	39.6	<0.002	0.77	0.89	20.1	1	0.8	102.5	0.35	<0.05	2.62	0.531	0.61	1.2
K838301		5.1	47.8	<0.002	0.25	0.73	15.8	3	0.7	318	0.31	<0.05	2.15	0.480	0.32	0.8
K838302		42.5	3.2	0.002	0.02	1.75	23.1	4	0.8	121.0	0.26	0.05	1.32	0.605	0.39	0.5
K838303		33.5	52.0	<0.002	0.06	3.54	18.4	6	0.8	100.0	0.35	3.26	1.16	0.545	0.43	1.0
K838304		25.1	90.3	<0.002	0.22	7.96	14.4	4	0.6	59.6	0.26	1.41	2.41	0.396	0.77	0.8
K838305		11.4	25.8	0.002	5.32	3.20	23.6	4	2.2	479	0.40	0.75	2.10	0.621	0.27	0.8
K838306		3.4	50.6	<0.002	0.20	1.96	20.7	2	0.7	207	0.35	<0.05	2.24	0.543	0.44	1.0
K838307		267	160.0	0.002	1.55	2.74	13.2	2	0.7	144.5	0.43	0.24	2.80	0.461	1.50	1.1
K838308		1095	63.5	0.002	3.91	6.10	12.3	5	8.7	95.5	0.79	0.12	7.90	0.261	5.13	2.3
K838309		9.6	83.2	<0.002	2.68	1.53	12.2	3	0.7	85.3	0.47	0.88	4.22	0.362	1.03	1.4
K838310		22.4	13.4	0.179	1.96	3.83	23.4	11	1.4	390	0.30	0.32	2.12	0.605	0.14	0.7

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 2770 LEIGH RD #148
 VICTORIA BC V9B 4G1

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Project: Cow

CERTIFICATE OF ANALYSIS VA24340458

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
K479186		295	0.5	14.6	64	60.1
K479187		267	0.3	16.9	103	56.2
K479188		191	0.5	24.6	99	68.5
K479189		204	0.4	8.7	60	18.7
K479190		229	1.3	14.2	51	64.6
K479191		213	1.7	12.4	57	42.0
K479192		60	0.3	5.8	24	32.3
K479193		10	0.1	2.0	9990	1.6
K479194		32	0.5	2.2	1410	6.8
K479195		78	3.4	1.1	675	3.5
K479196		205	1.4	6.2	167	29.3
K479197		37	0.7	15.6	962	5.4
K479198		244	0.5	19.0	128	54.9
K838151		155	0.5	24.3	108	79.6
K838152		48	0.2	2.4	91	3.5
K838153		365	0.4	9.7	57	45.3
K838154		74	0.2	18.9	80	38.7
K838155		287	0.6	7.7	89	43.9
K838156		264	0.4	19.2	88	83.6
K838451		264	0.6	25.1	114	83.6
K838301		231	0.4	15.8	151	62.4
K838302		303	0.5	14.6	75	26.6
K838303		267	0.3	8.0	95	80.6
K838304		202	0.6	7.1	95	59.7
K838305		292	0.4	19.8	101	44.6
K838306		277	0.4	16.0	113	71.6
K838307		164	0.5	21.3	312	90.6
K838308		83	2.7	18.2	4640	157.5
K838309		157	0.5	16.3	94	108.0
K838310		252	0.6	9.8	57	33.6



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CERTIFICATE OF ANALYSIS VA24340458

	CERTIFICATE COMMENTS												
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REEs may not be totally soluble in this method. ME-MS61</p>												
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 15%;"></td> </tr> <tr> <td>LOG-21</td> <td>LOG-23</td> <td>ME-MS61</td> <td>DISP-01</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td>PUL-31</td> </tr> </table>	Au-AA23	CRU-31	CRU-QC		LOG-21	LOG-23	ME-MS61	DISP-01	PUL-QC	SPL-21	WEI-21	PUL-31
Au-AA23	CRU-31	CRU-QC											
LOG-21	LOG-23	ME-MS61	DISP-01										
PUL-QC	SPL-21	WEI-21	PUL-31										



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 This copy reported on
 24-MAR-2025
 Account: TRIPGEO

CERTIFICATE VA25053107

Project: Cowichan
 P.O. No.: COW_002
 This report is for 6 samples of Rock submitted to our lab in Vancouver, BC, Canada on 21-FEB-2025.
 The following have access to data associated with this certificate:
 TRIPOINT ASSAYS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
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
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

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, Director, North Vancouver Operations



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 Phone: +1 604 984 0221 Fax: +1 604 984 0218
 www.alsglobal.com/geochemistry

To: TRIPPOINT GEOLOGICAL SERVICES
 2770 LEIGH RD #148
 VICTORIA BC V9B 4G1

Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 16-MAR-2025
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA25053107

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
D704575		1.08	0.006	0.05	7.14	1.2	370	1.30	0.18	0.89	0.06	19.60	4.9	7	0.67	13.7
D704576		1.14	0.011	0.03	6.97	1.8	120	1.03	0.16	0.23	0.04	8.15	3.6	4	0.26	9.9
D704577		1.18	<0.005	0.02	9.21	1.9	460	0.82	0.02	0.61	0.03	42.2	8.3	4	0.82	131.0
D704578		1.32	0.022	0.03	8.51	4.1	80	0.77	0.17	7.92	0.06	22.5	16.0	5	0.06	9.0
D704579		1.36	0.011	0.05	9.59	1.8	680	0.85	0.08	4.29	0.03	24.5	25.1	4	0.25	44.7
D704580		1.54	<0.005	0.01	8.67	2.6	400	0.70	0.03	6.29	0.03	10.40	19.6	10	0.61	1.7

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Project: Cowichan

CERTIFICATE OF ANALYSIS VA25053107

Sample Description	Method Analyte Units LOD	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	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	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
D704575		4.11	11.55	0.07	1.6	0.008	0.56	10.0	7.0	0.23	156	6.11	3.64	5.2	2.7	490
D704576		4.60	9.25	0.07	1.6	0.005	0.29	4.5	4.7	0.16	113	2.87	4.65	5.5	2.2	480
D704577		2.89	21.0	0.07	1.7	0.040	1.29	21.6	18.3	1.27	374	5.10	2.31	6.2	2.7	540
D704578		6.57	25.9	0.09	0.9	0.045	0.13	9.2	3.1	1.19	704	1.23	2.03	6.2	5.8	1450
D704579		6.84	21.2	0.07	0.8	0.017	0.91	9.6	2.9	1.34	993	4.76	2.52	6.0	5.0	1180
D704580		5.70	22.0	0.07	1.5	0.063	2.05	4.2	35.2	0.85	1385	<0.05	0.04	6.8	7.2	1450

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



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CERTIFICATE OF ANALYSIS VA25053107

Sample Description	Method Analyte Units LOD	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	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	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
D704575		1.4	13.3	0.019	3.74	<0.05	3.9	2	0.4	459	0.33	1.14	1.65	0.157	0.05	0.7
D704576		<0.5	7.2	0.005	2.45	0.12	3.5	2	0.6	247	0.35	1.22	1.72	0.146	0.03	0.7
D704577		<0.5	19.4	0.019	1.23	<0.05	6.9	4	0.3	81.5	0.38	0.23	1.58	0.219	0.14	0.6
D704578		2.4	0.5	0.014	3.70	0.14	20.9	9	1.9	300	0.32	0.60	1.10	0.628	0.02	0.4
D704579		1.6	9.3	0.031	2.12	<0.05	23.8	3	1.2	544	0.33	0.23	1.58	0.640	0.12	0.5
D704580		1.1	24.4	<0.002	0.29	0.44	24.2	2	0.8	66.5	0.32	<0.05	0.75	0.709	0.29	0.6

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 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA25053107

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
D704575		18	1.8	9.0	12	65.0
D704576		20	1.3	5.2	10	53.4
D704577		69	0.4	21.2	37	63.0
D704578		280	0.9	15.0	44	25.1
D704579		292	0.4	21.5	57	21.4
D704580		332	1.5	9.2	125	41.8



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 2770 LEIGH RD #148
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Project: Cowichan

CERTIFICATE OF ANALYSIS VA25053107

	CERTIFICATE COMMENTS												
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REEs may not be totally soluble in this method. ME-MS61</p>												
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 15%;"></td> </tr> <tr> <td>LOG-21</td> <td>ME-MS61</td> <td>PUL-31</td> <td>DISP-01</td> </tr> <tr> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td>PUL-QC</td> </tr> </table>	Au-AA23	CRU-31	CRU-QC		LOG-21	ME-MS61	PUL-31	DISP-01	SPL-21	WEI-21		PUL-QC
Au-AA23	CRU-31	CRU-QC											
LOG-21	ME-MS61	PUL-31	DISP-01										
SPL-21	WEI-21		PUL-QC										



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 2770 LEIGH RD #148
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Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 11-MAR-2025
 This copy reported on
 24-MAR-2025
 Account: TRIPGEO

CERTIFICATE VA25053111

Project: Cowichan
 P.O. No.: COW_002
 This report is for 1 sample of Soil submitted to our lab in Vancouver, BC, Canada on 21-FEB-2025.
 The following have access to data associated with this certificate:
 TRIPOINT ASSAYS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AuME-TL43	25g Trace Au + Multi Element PKG	

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, Director, North Vancouver Operations



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CERTIFICATE OF ANALYSIS	VA25053111
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Sample Description	Method	Analyte	Units	LOD	WEI-21 Recvd Wt.	AuME-TL43 Au	AuME-TL43 Ag	AuME-TL43 Al	AuME-TL43 As	AuME-TL43 B	AuME-TL43 Ba	AuME-TL43 Be	AuME-TL43 Bi	AuME-TL43 Ca	AuME-TL43 Cd	AuME-TL43 Ce	AuME-TL43 Co	AuME-TL43 Cr	AuME-TL43 Cs
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
D990969					0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
					0.52	0.022	0.06	2.79	6.4	<10	110	0.57	0.21	0.43	0.19	16.35	28.7	10	0.63

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Project: Cowichan

CERTIFICATE OF ANALYSIS	VA25053111
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		AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
Sample Description	Method Analyte Units LOD	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
D990969		60.0	7.49	9.06	0.07	0.05	0.10	0.027	0.04	7.4	6.3	1.21	925	2.94	0.01	0.17

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CERTIFICATE OF ANALYSIS	VA25053111
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	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
Sample Description		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
D990969		6.7	890	3.4	3.0	0.005	0.14	0.41	8.7	1.3	0.3	36.0	<0.01	0.64	0.9	0.052

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CERTIFICATE OF ANALYSIS VA25053111

	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
Sample Description	Tl	U	V	W	Y	Zn	Zr
Method Analyte Units LOD	ppm	ppm	ppm	ppm	ppm	ppm	ppm
D990969	0.02	0.22	159	0.06	9.69	92	1.6

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Project: Cowichan

CERTIFICATE OF ANALYSIS VA25053111

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-TL43
WEI-21

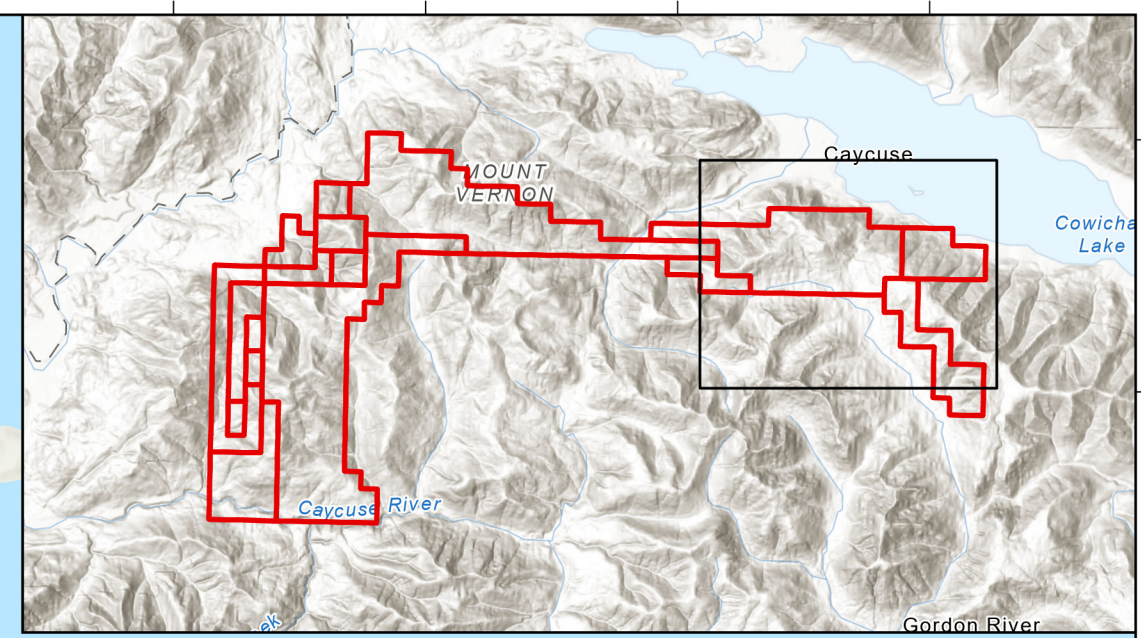
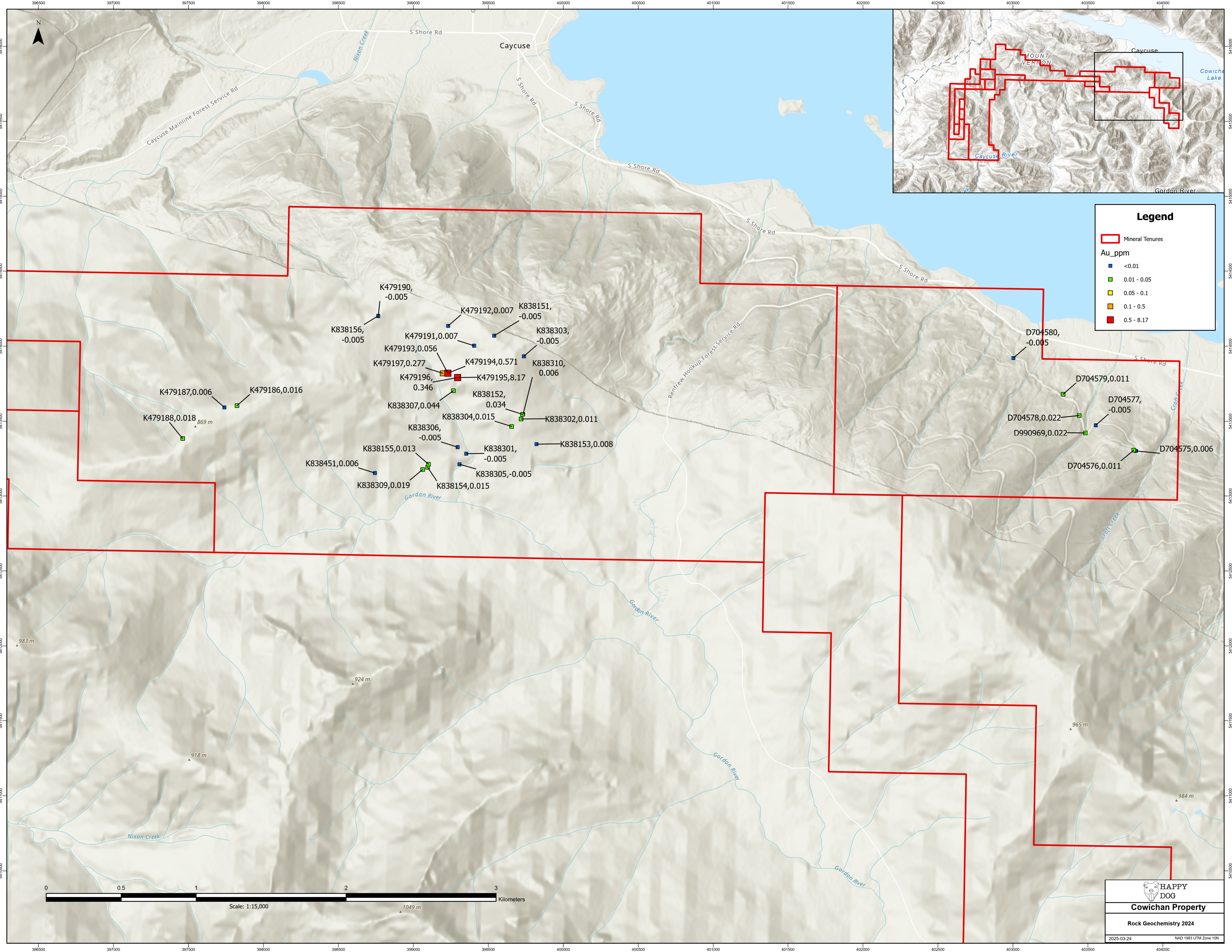
DISP-01

LOG-21

SCR-41

APPENDIX E

SAMPLE MAPS



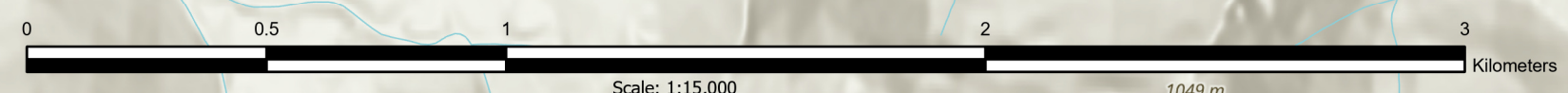
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- Mineral Tenures

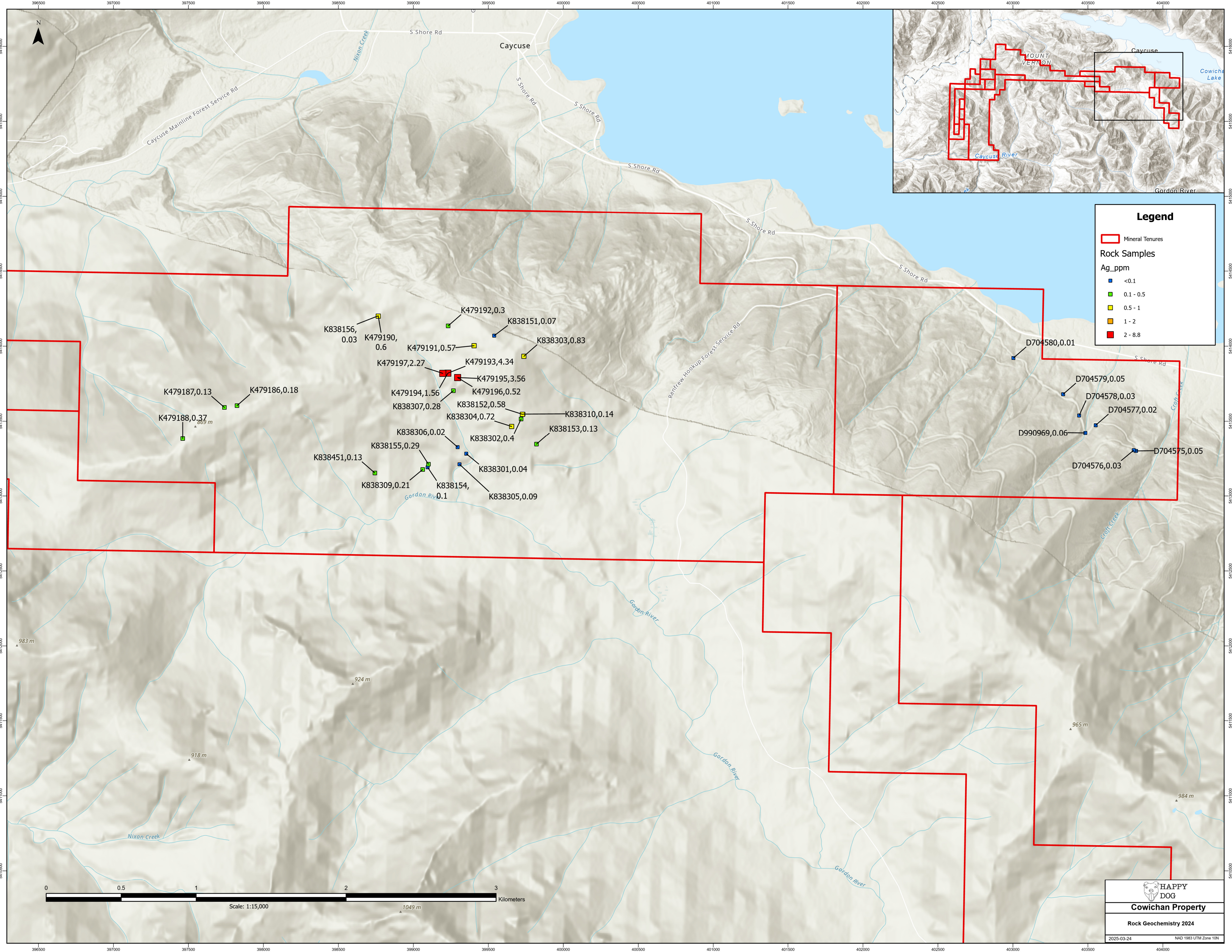
Au_ppm

- <0.01
- 0.01 - 0.05
- 0.05 - 0.1
- 0.1 - 0.5
- 0.5 - 8.17

ID	Au_ppm
K479190	-0.005
K838156	-0.005
K479192	0.007
K838151	-0.005
K479191	0.007
K838303	-0.005
K479193	0.056
K479194	0.571
K838310	0.006
K479197	0.277
K479196	0.346
K479195	8.17
K838307	0.044
K838152	0.034
K838304	0.015
K838302	0.011
K838306	-0.005
K838301	-0.005
K838153	0.008
K838451	0.006
K838309	0.019
K838154	0.015
K838305	-0.005
D704580	-0.005
D704579	0.011
D704578	0.022
D990969	0.022
D704577	-0.005
D704575	0.006
D704576	0.011



HAPPY DOG
Cowichan Property
 Rock Geochemistry 2024
 2025-03-24 NAD 1983 UTM Zone 10N



Legend

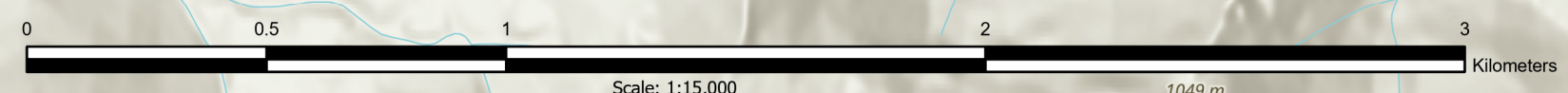
- Mineral Tenures

Rock Samples

Ag_ppm

- <0.1
- 0.1 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 8.8

Sample ID	Ag_ppm
K838156	0.03
K479190	0.6
K479191	0.57
K479192	0.3
K838151	0.07
K838303	0.83
K479197	2.27
K479193	4.34
K479187	0.13
K479186	0.18
K479188	0.37
K479194	1.56
K479195	3.56
K479196	0.52
K838307	0.28
K838152	0.58
K838310	0.14
K838304	0.72
K838302	0.4
K838153	0.13
K838306	0.02
K838305	0.09
K838451	0.13
K838155	0.29
K838309	0.21
K838154	0.1
K838301	0.04
D704580	0.01
D704579	0.05
D704578	0.03
D704577	0.02
D990969	0.06
D704576	0.03
D704575	0.05

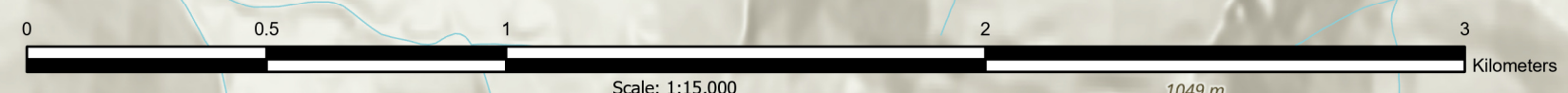
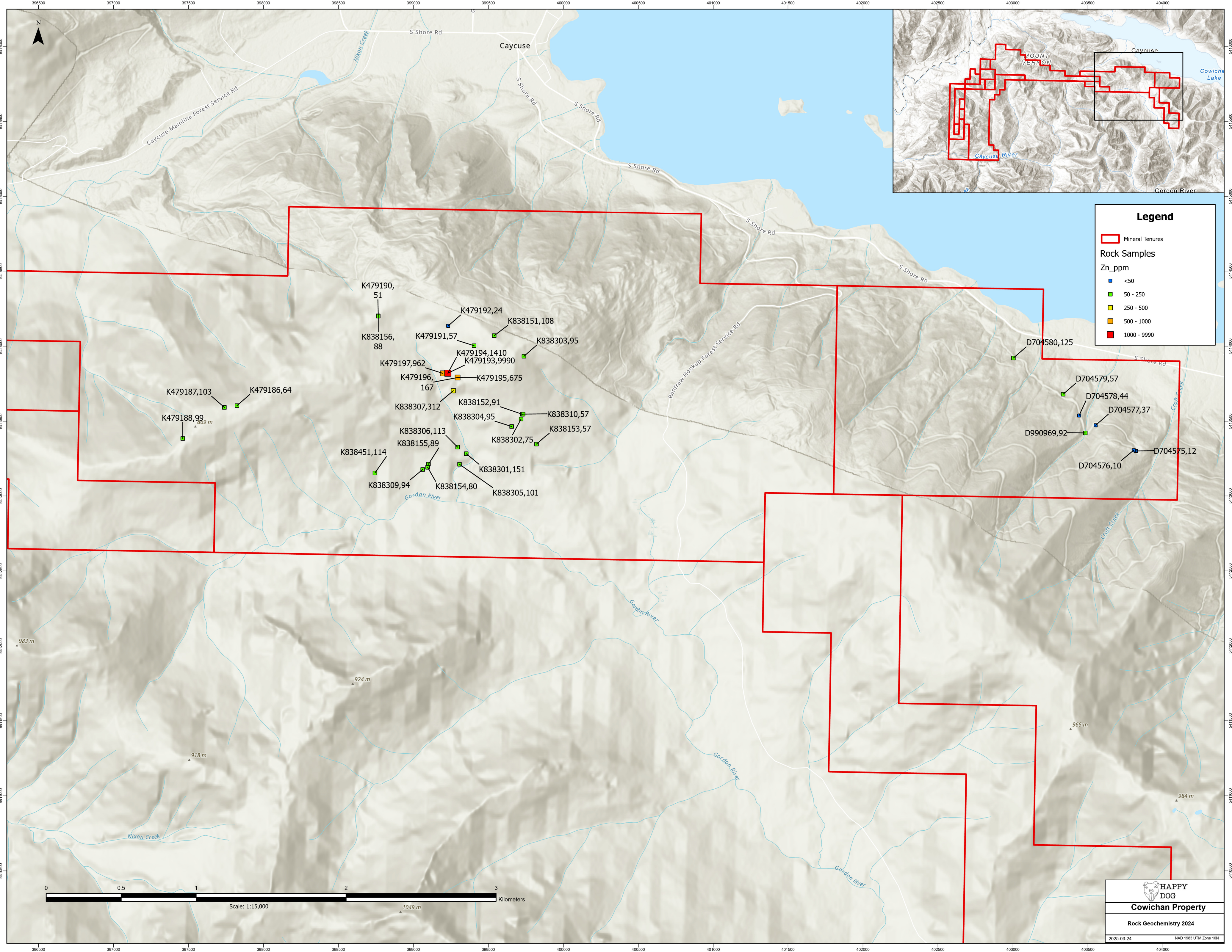


HAPPY DOG

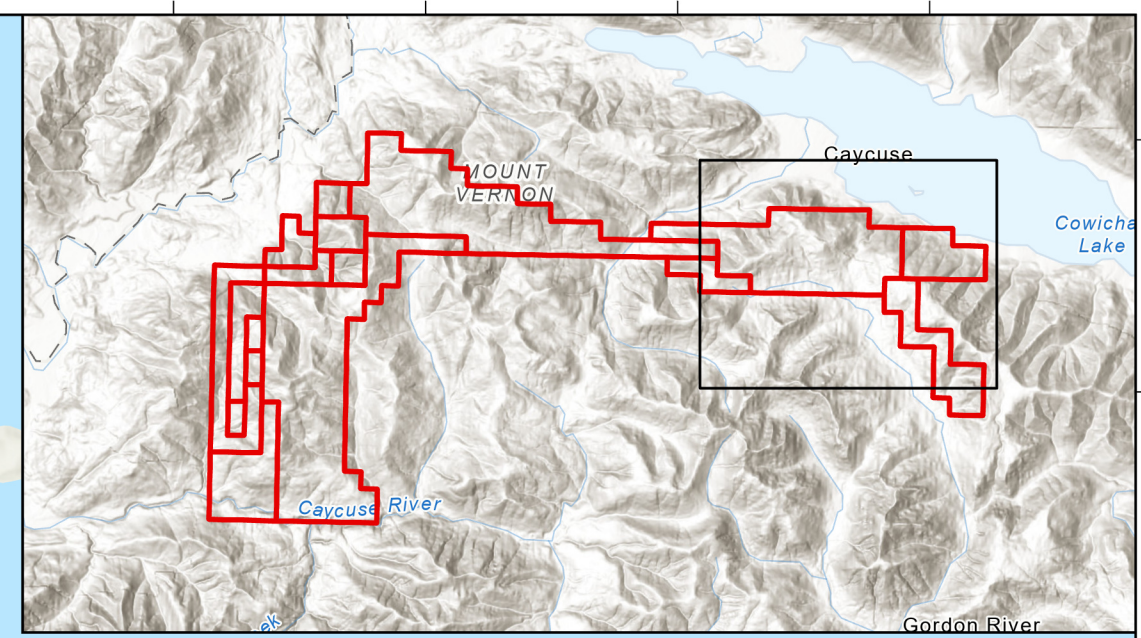
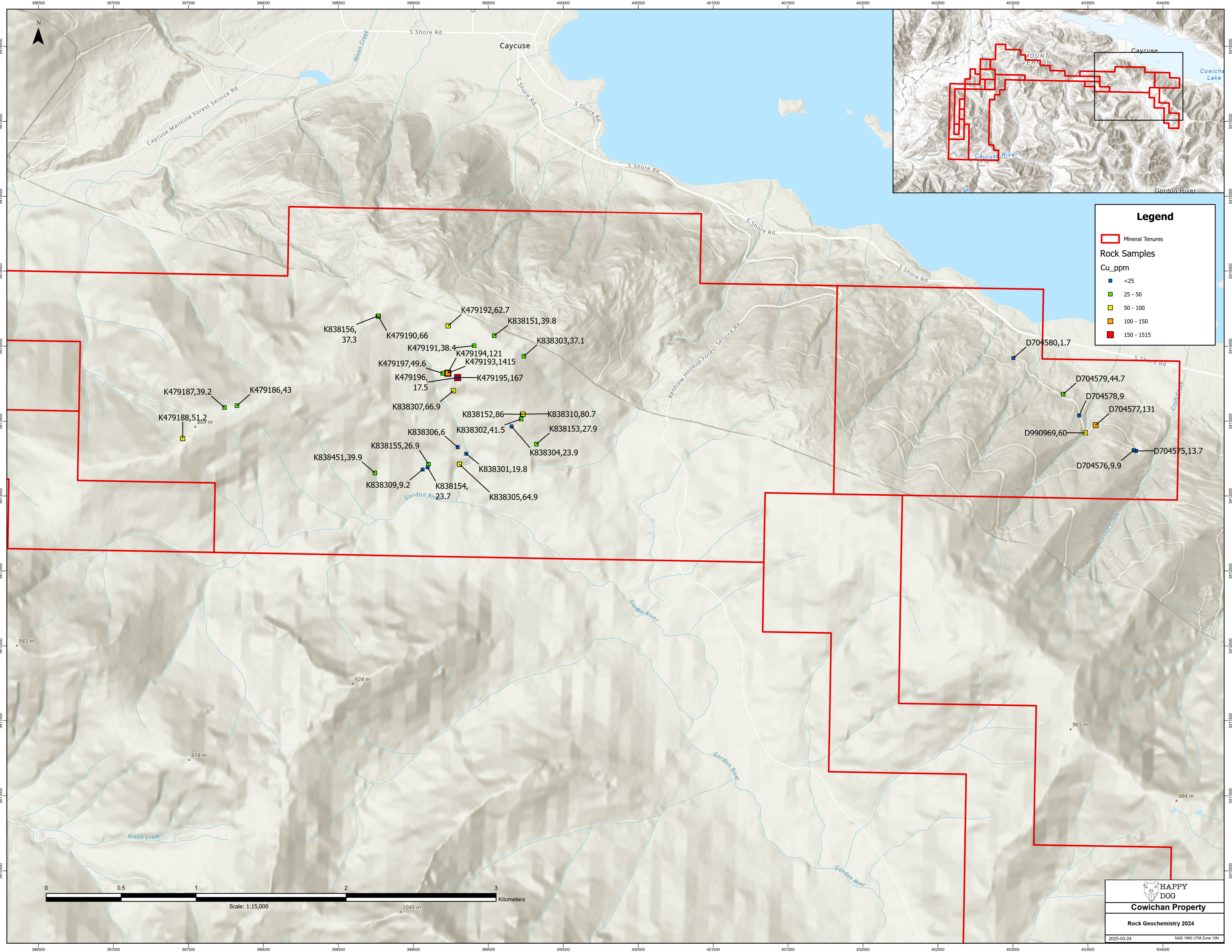
Cowichan Property

Rock Geochemistry 2024

2025-03-24 NAD 1983 UTM Zone 10N



HAPPY DOG
Cowichan Property
 Rock Geochemistry 2024
 2025-03-24 NAD 1983 UTM Zone 10N



Legend

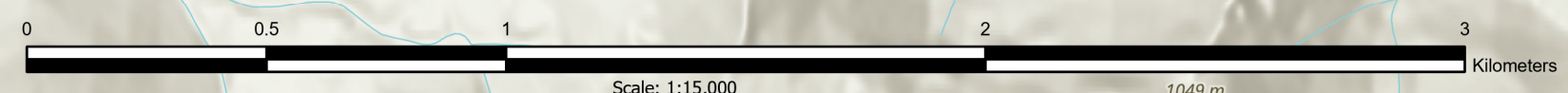
- Mineral Tenures


Rock Samples

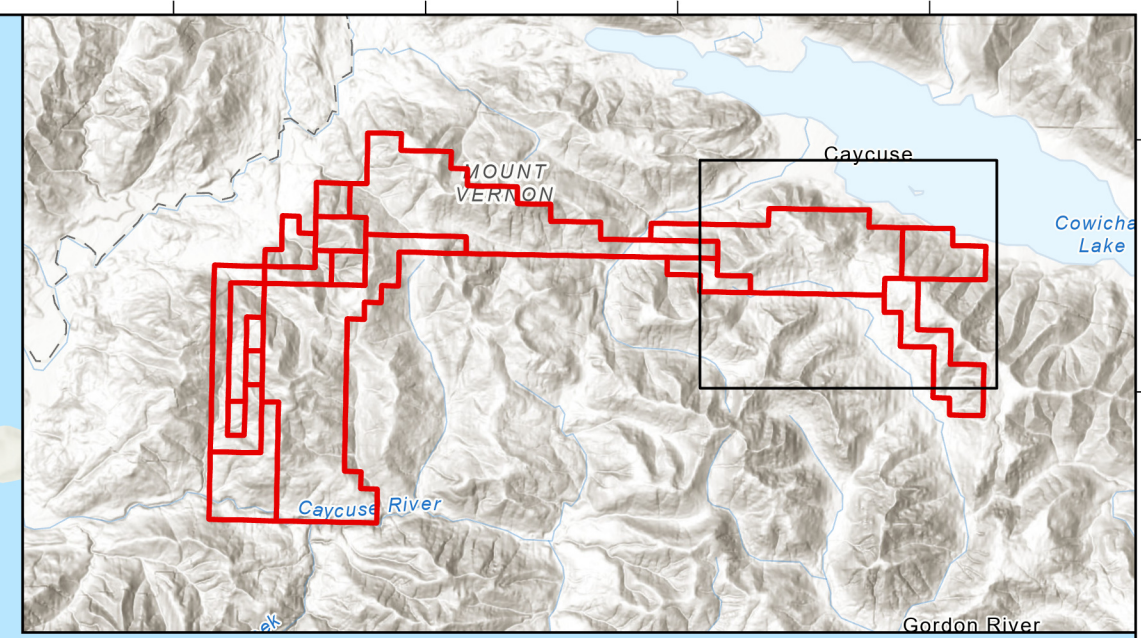
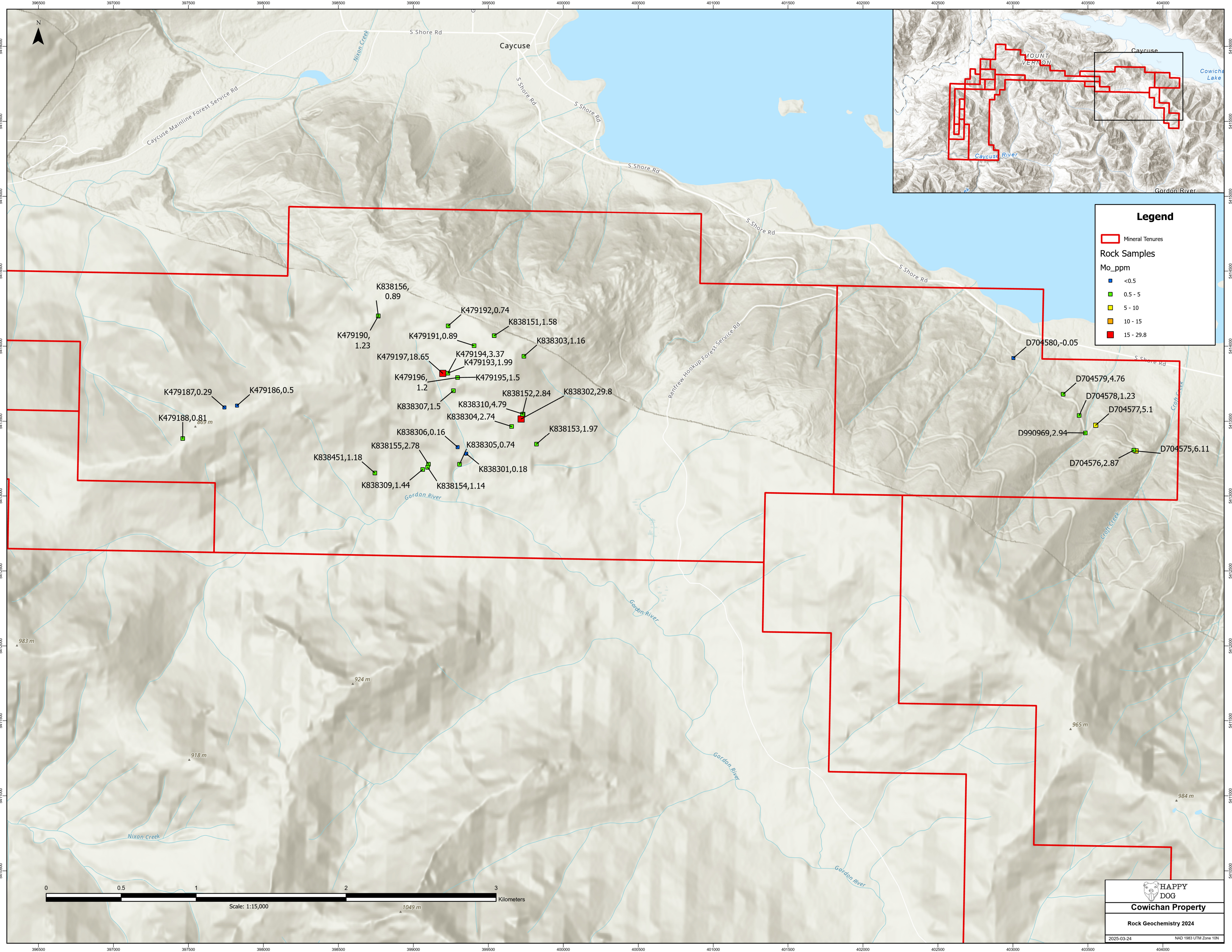
Cu_ppm

- <25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 1515

K838156, 37.3 K479190,66 K479192,62.7 K838151,39.8
 K479191,38.4 K479194,121 K838303,37.1
 K479197,49.6 K479193,1415
 K479196, 17.5 K479195,167
 K479187,39.2 K479186,43
 K479188,51.2
 K838307,66.9 K838152,86 K838310,80.7
 K838451,39.9 K838155,26.9 K838302,41.5 K838153,27.9
 K838309,9.2 K838154, 23.7 K838304,23.9
 K838301,19.8 K838305,64.9
 D704580,1.7
 D704579,44.7 D704578,9 D704577,131
 D990969,60 D704575,13.7
 D704576,9.9



 **HAPPY DOG**
Cowichan Property
 Rock Geochemistry 2024
 2025-03-24 NAD 1983 UTM Zone 10N



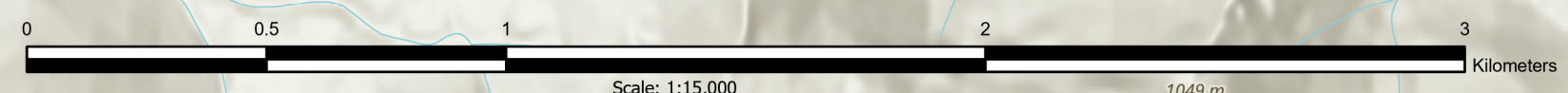
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- Mineral Tenures

Rock Samples

Mo_ppm

- <0.5
- 0.5 - 5
- 5 - 10
- 10 - 15
- 15 - 29.8

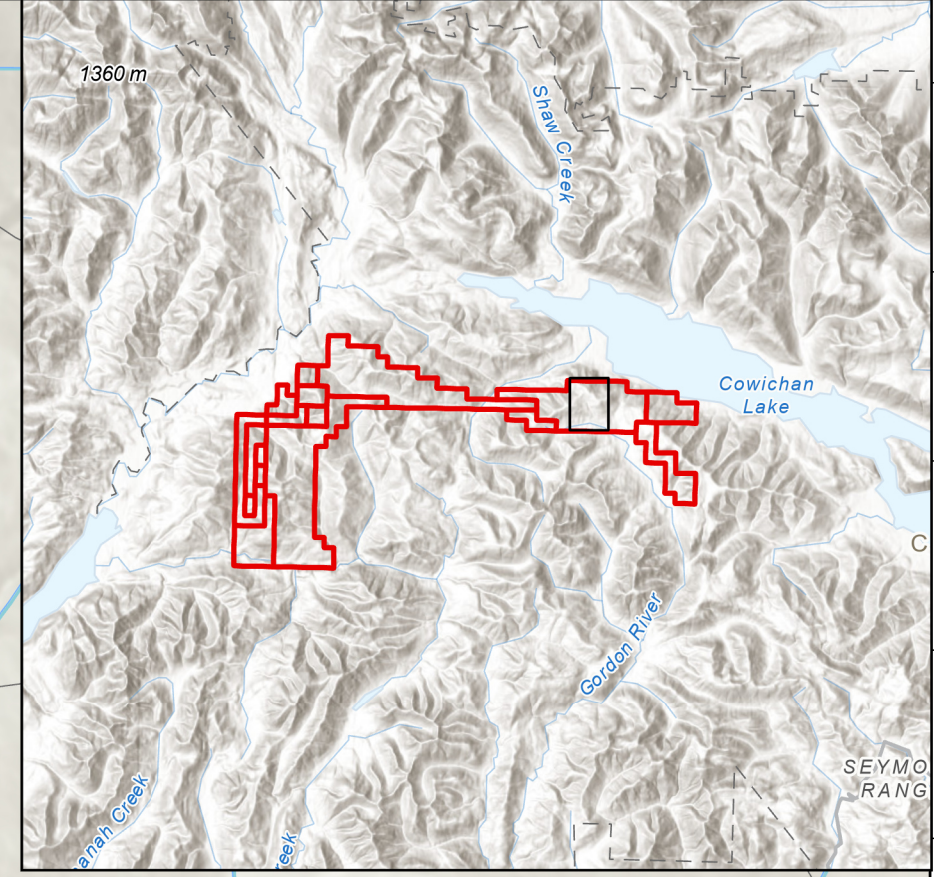
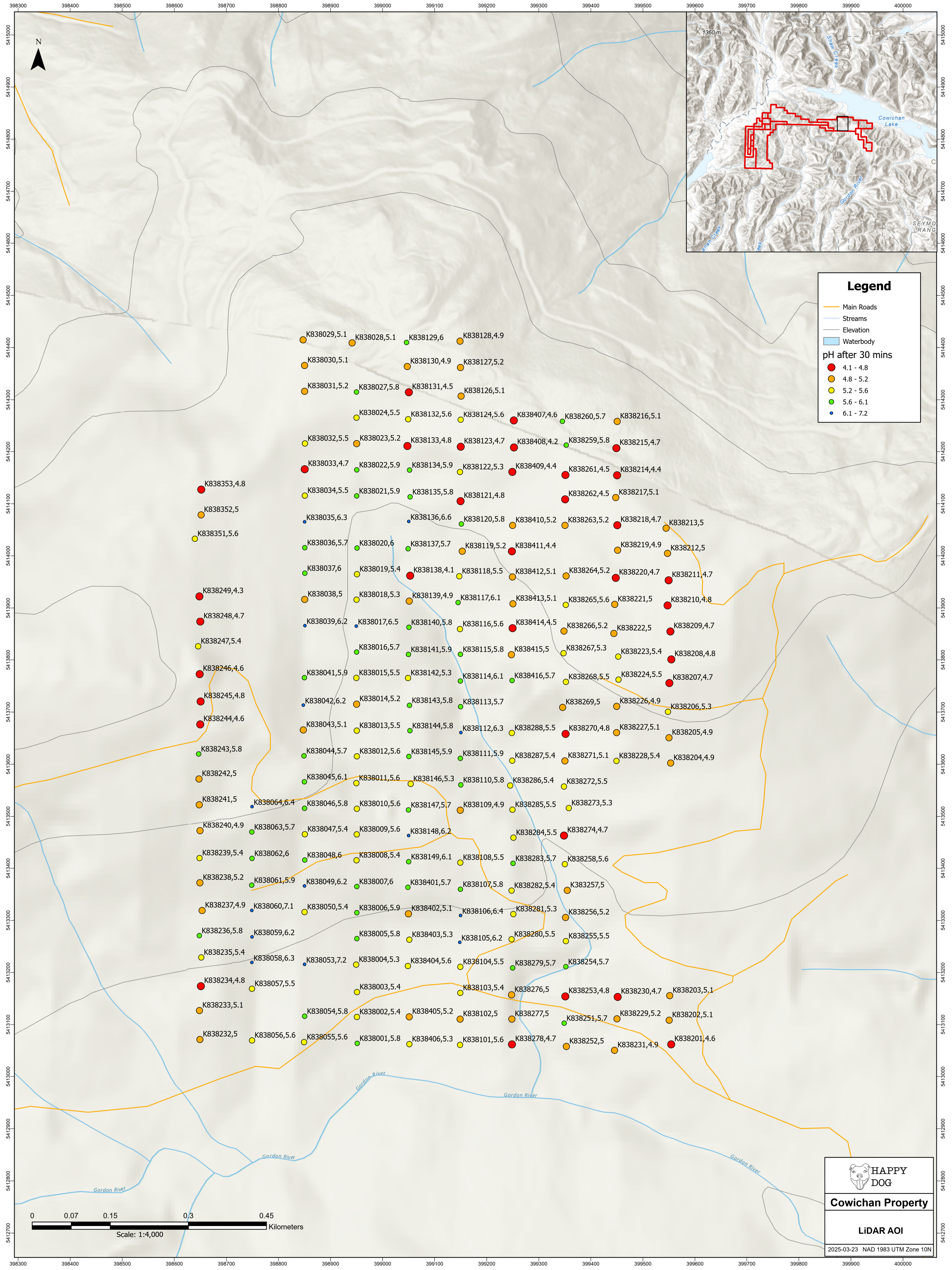


 HAPPY DOG

Cowichan Property

Rock Geochemistry 2024

2025-03-24 NAD 1983 UTM Zone 10N



Legend


- Main Roads
- Streams
- Elevation
- Waterbody

pH after 30 mins

- 4.1 - 4.8
- 4.8 - 5.2
- 5.2 - 5.6
- 5.6 - 6.1
- 6.1 - 7.2

- K838029,5.1 K838028,5.1 K838129,6 K838128,4.9
- K838030,5.1 K838130,4.9 K838127,5.2
- K838031,5.2 K838027,5.8 K838131,4.5 K838126,5.1
- K838024,5.5 K838132,5.6 K838124,5.6 K838407,4.6 K838260,5.7 K838216,5.1
- K838032,5.5 K838023,5.2 K838133,4.8 K838123,4.7 K838408,4.2 K838259,5.8 K838215,4.7
- K838033,4.7 K838022,5.9 K838134,5.9 K838122,5.3 K838409,4.4 K838261,4.5 K838214,4.4
- K838034,5.5 K838021,5.9 K838135,5.8 K838121,4.8 K838262,4.5 K838217,5.1
- K838035,6.3 K838136,6.6 K838120,5.8 K838410,5.2 K838263,5.2 K838218,4.7 K838213,5
- K838036,5.7 K838020,6 K838137,5.7 K838119,5.2 K838411,4.4 K838219,4.9 K838212,5
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- K838038,5 K838018,5.3 K838139,4.9 K838117,6.1 K838413,5.1 K838265,5.6 K838221,5 K838210,4.8
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- K838044,5.7 K838012,5.6 K838145,5.9 K838111,5.9 K838287,5.4 K838271,5.1 K838228,5.4 K838204,4.9
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- K838055,5.6 K838001,5.8 K838406,5.3 K838101,5.6 K838278,4.7 K838252,5 K838231,4.9 K838201,4.6



 **HAPPY DOG**

Cowichan Property

LiDAR AOI

2025-03-23 NAD 1983 UTM Zone 10N

APPENDIX F

QUARTZ TEXTURE REPORT

KLONDIKE EXPLORATION SERVICES

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7 Mary St., Townsville, Queensland, 4810, Australia
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VANCOUVER ISLAND EPITHERMAL - DARCY VIS

Gregg Morrison Comments 01 10 24

My overall impression from a 'stream of consciousness' review of the sample pix is that this is a fault-related replacement and infill occurrence with silicified rock, shear hosted silica-pyrite and cavity fill crystalline quartz-basemetal sulfides and carbonate.

The infill textural variants are quite limited: saccharoidal (sugary granular) quartz possibly after chalcedony, comb crystalline, rosette and cavity fill crystalline quartz and some molds (casts) after crystalline carbonate and gossan after sulfides and carbonate. The cavities and crystalline veins with sulfide infill seem to relate to late-stage hydrothermal breccia in or near the shear/cataclasite zone.

In this sample suite there is no obvious crustiform or colloform bands, ginguro sulfide bands or bladed carbonate replacement that might typify a boiling zone low sulfidation epithermal system. If the basemetal sulfides are associated with the bulk of mineralisation here, then geochemically this is more typical of intermediate sulfidation or carbonate-basemetal systems.

If the bulk of gold mineralisation here is associated with the basemetal sulfides I would focus on the comb texture quartz and hydrothermal breccia for prospecting. If there is some gold with the streaky pyrite (like sample 3) I would be more open about exploring the whole shear zone and looking for replacement mineralisation adjacent to the shear zone especially if there are any calcareous rocks or porous tuffs.

Maybe just because it is on Vancouver Island these samples brought to mind the Cinola epizonal vein replacement deposit in the Queen Charlotte Islands of which I carry a vague recollection after ~40years!

Background DV: I have a property on Vancouver Island in British Columbia, Canada that I have been exploring in my spare time over the past 5 years. What drew me to the property was purely alteration; there was zones of intense clay alteration that seemed hydrothermal in nature. Last weekend I went back up to the property and they had logged a large new timber cut block over what I consider to be the main zone of the deposit. We were able to locate an old adit and sampled a number of quartz veins with varying textures and sulphides. I suspect we are in the upper part of a low sulphidation epithermal system, there is dominantly chalcedony with some bladed replacements and the beginnings of more crystalline quartz, the veins seem to follow structure that is perpendicular to the dominate deformation vector.

Geochemically its pretty subdued. Historic drilling returned a 1m interval of 3.96g/t Au, 5g/t Ag, 1% Pb, 4% Zn, they were drilling BQ sized core back in the 80s with only 5 drillholes on the property up to 70m depth along 100m of strike, so not very complete.

I was wondering if you could take a look at the photos and let me know your thoughts about the quartz textures (as much as can be deduced from photographs). You have likely seen more quartz veins than I have, and definitely more epithermal quartz veins, so any input would be invaluable at this early stage. I am happy to pay for your time.

Annotated_Drone_Image.jpg – Panoramic drone photo of the zone with rough vein trace, and numbers on the image that correspond to the other photos.

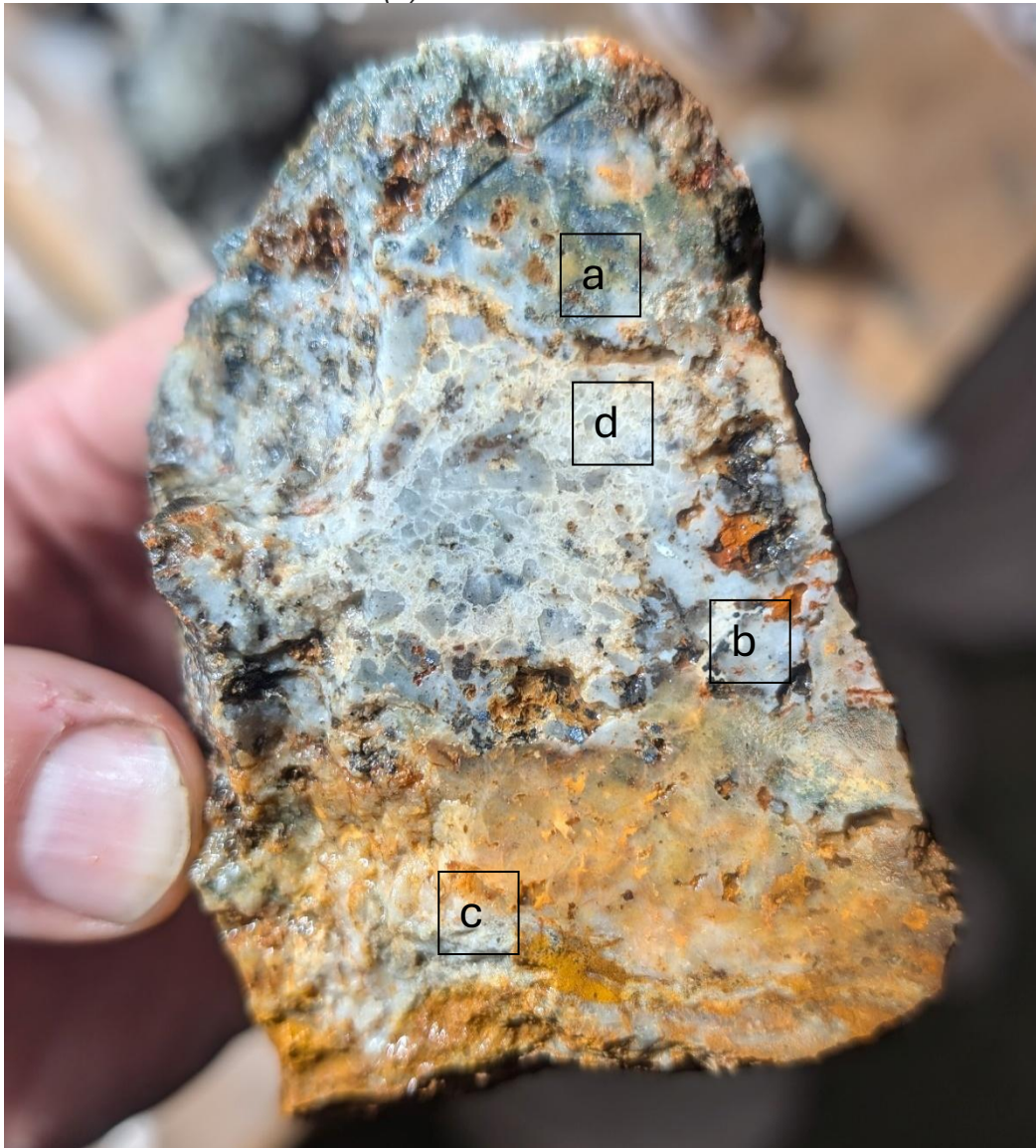


1 – Adit – Adit photo, faulted on the left side, massive quartz on the left.
? *Cataclasite/hydrothermal breccia in fault zone, sedimentary host?*



2 – Brecciated Quartz with calcite infill

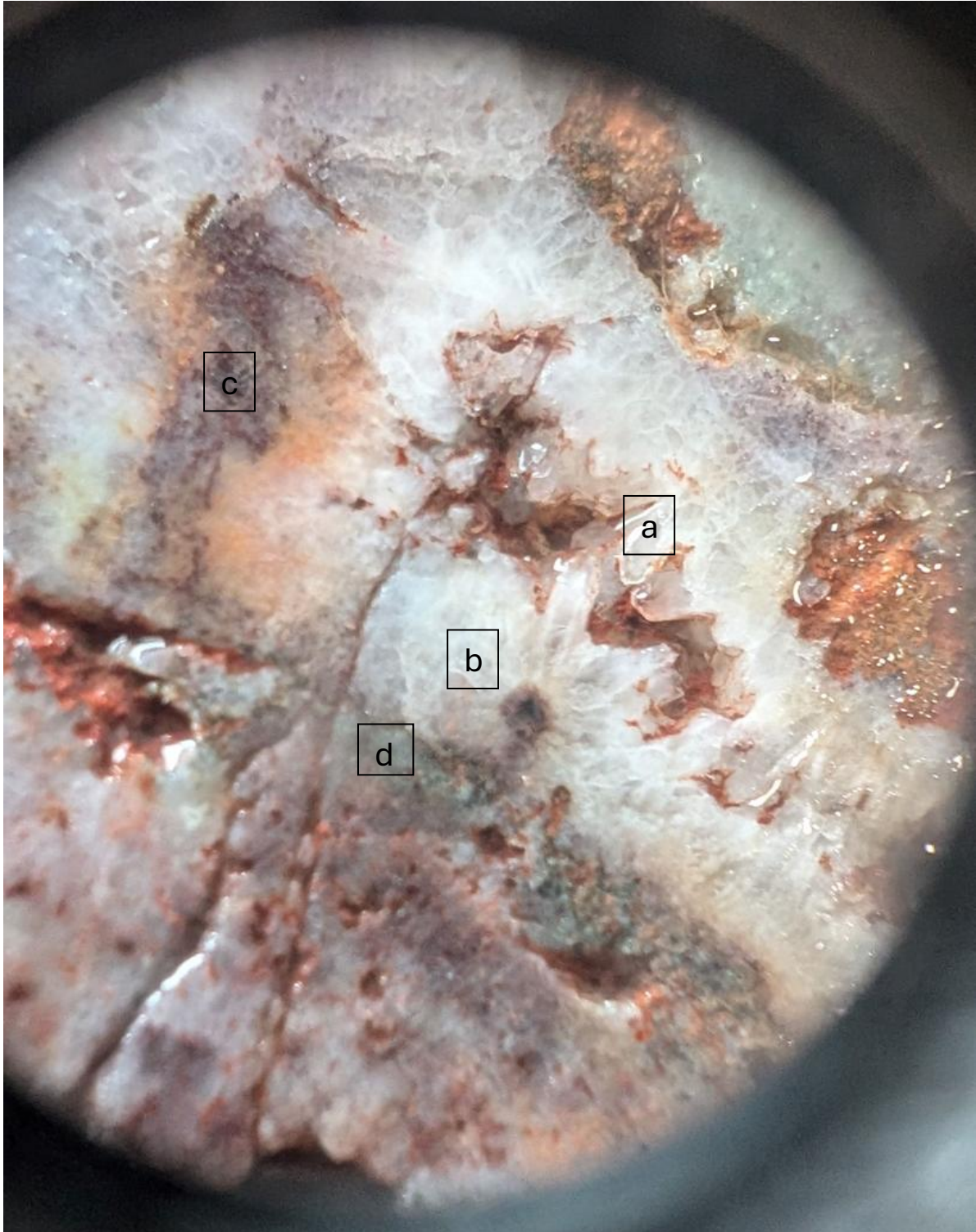
Tectonic breccia/cataclasite with clasts of silicified rock (a), partly recrystallized chalcedony (b), comb crystalline quartz (c) carbonate matrix (d). N.B. sea green celadonite in silicified rock (a).



3 – Massive quartz with chunky pyrite from adit
Early saccharoidal quartz(a) brecciated(b) with shear hosted fine pyrite replacement including stylolite margins (c) & infill(d). Syn-tectonic replacement & infill



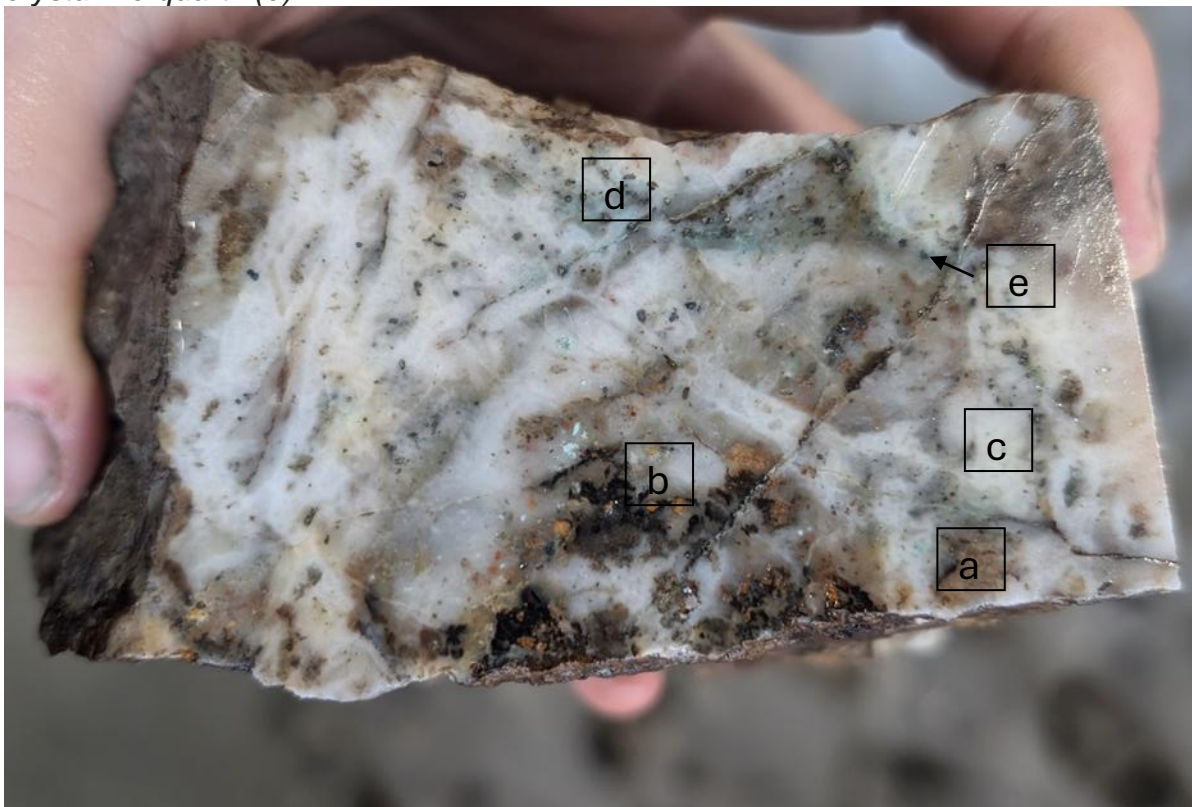
4 – Crystalline quartz from downslope of the adit, contains hematite. Zoned clear crystalline quartz cavity fill(a) with interstitial hematite-goethite fill after Fe carbonate or sulfides(b). There are finer crystalline quartz rosettes(c) and a fine crystalline marginal phase against celadonite(?) altered volcanic or clastic (d).



5 – Quartz boulder from upslope of the adit.
Cataclastic texture in quartz with sulfide → oxide shears, veins & cavity fill.

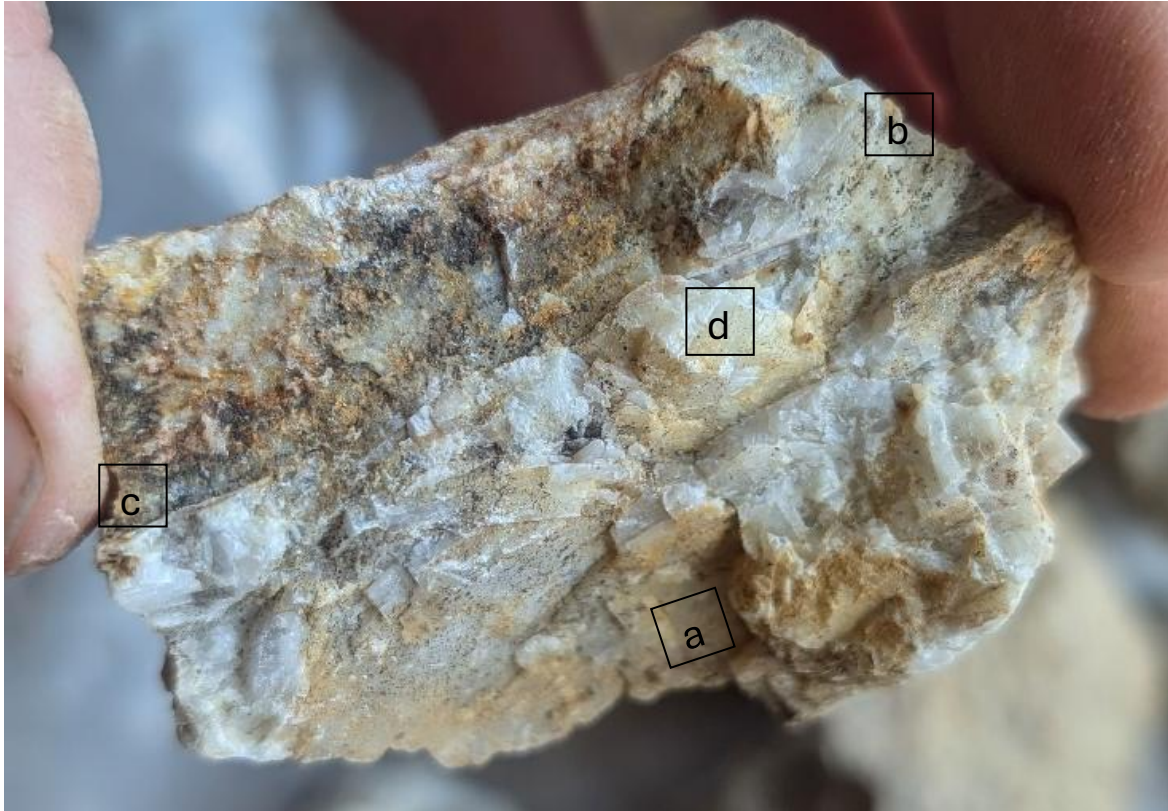


5a. second photo shows cut specimen with chalco, arseno, galena, and sphalerite.
Tectonic/hydrothermal breccia: relict clasts of silicified (a) and leached (b) host rock with vein network with crude banding of saccharoidal(c) and crystalline quartz(d) and spots, bands of fine crystalline sulfide mostly between the saccharoidal and clear crystalline quartz (e).



6 – Quartz with calcite crystal habit

Moulds after crystalline carbonate (a), quartz replacement on cleavage of crystalline carbonate (b), veins of comb texture quartz(c) on mainly saccharoidal quartz that may be mainly carbonate replacement (d).



7 – Sinter? Comes from the top of the ridge

Folded shear bands (a) in saccharoidal quartz (b) that may be largely a replacement of sedimentary rock. Crystalline quartz (c) with interstitial gossan after sulfides as cavity-fill in gapes in shears(d). Impression of this sample without context shear bands in silicified rock.



8 – Clay altered tuff

Weathering related goethite Liesegang bands in clay altered tuff. Clay maybe kaolinite with some illite.



9 – Quartz breccia with galena, 1.5g/t Au

Hydrothermal breccia with silicified rock and chalcedony veined host rock clasts in a matrix of crystalline comb quartz with goethite limonite gossan after sulfides and carbonate.



APPENDIX G

LITHOGEOCHEMICAL REPORT

**SPECTRAL AND LITHOGEOCHEMICAL
REPORT**

on the

COWICHAN PROPERTY 2024

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1402822 Ltd.

Prepared by:

Carter Grondahl, PhD, PGeo

TRIPOINT GEOLOGICAL SERVICES LTD.

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January 10, 2025



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This work was reviewed by Darcy Vis, EGBC Professional Geologist #52017.

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1 INTRODUCTION

The Cowichan Property is a mineral exploration property located on southern Vancouver Island, BC, approximately 80 km northwest of Victoria and extending east from the south shore of Cowichan Lake. The Property tenures total 3292 ha and are solely held by Darcy Vis.

In 2024, Tripoint Geological Services Ltd. was retained to review the results of spectral and lithogeochemical analyses of rocks sampled earlier in the year. A total of 29 rock samples and accompanying assays are complemented by 52 short wavelength infrared (SWIR) spectral measurements. This study includes 3 off-property rock samples, from open ground nearby to the south in the headwaters of Gordon River, upstream of Upper Gordon River Placer MINFILE occurrence (092C 238). These were unmineralized and have no meaningful influence on the interpretations presented herein, other than to provide additional useful context for the property.

The study results outline a prospective epithermal Au target, highlighted by an ~800 m long zone of dickite alteration and up to 8.17 g/t Au. Historic working in this area is recorded as the Gold Dyke MINFILE occurrence (092C 042).

The program of rock sampling, assaying, and spectral analysis should be continued and paired with detailed mapping in the future.

2 SUMMARY GEOLOGY

The Cowichan Property is dominantly underlain by an upper Triassic to lower Jurassic volcanic arc assemblage referred to as the Bonanza Arc (Figure 1).

The Jurassic-aged Bonanza units on Vancouver Island record a maturing intraoceanic volcanic arc (Canil et al., 2013; Canil and Morris, 2024). The Bonanza Arc is traditionally subdivided into deep to mid-crustal (West Coast Complex) and mid- to upper-crustal (Island Plutonic Suite) intrusive and cumulate units, with complementary overlying volcanics (Bonanza Volcanics). Collectively these igneous arc rocks span mafic through felsic compositions and have minor associated sedimentary units, and the Island Plutonic Suite and the Bonanza Volcanics are the dominant units in the Gold Dyke area. The Island Plutonic Suite is typically observed as unfoliated quartz dioritic to granitic intrusions. The Bonanza Volcanics typically include basaltic through dacitic massive flows (with or without pillows).

Abundant important mineralization associated with the Bonanza Arc includes the past-producing Island Copper porphyry Cu-Au-Mo deposit (Perelló et al., 1995), as well as various base and precious metal skarns (e.g., Bird, 2023) especially where Island Plutonic Suite intrusions interact with older limestone.

In the Gold Dyke area, quartz-carbonate veins utilize and fill faults and adjacent wall rock and carry pyrite ± galena-sphalerite-chalcopyrite-arsenopyrite. The veins are spatially associated with a series of dykes presumably assigned to the Bonanza Arc. The Gold Dyke occurrence is the currently most likely source for the historic placer workings downstream on the Gordon River.

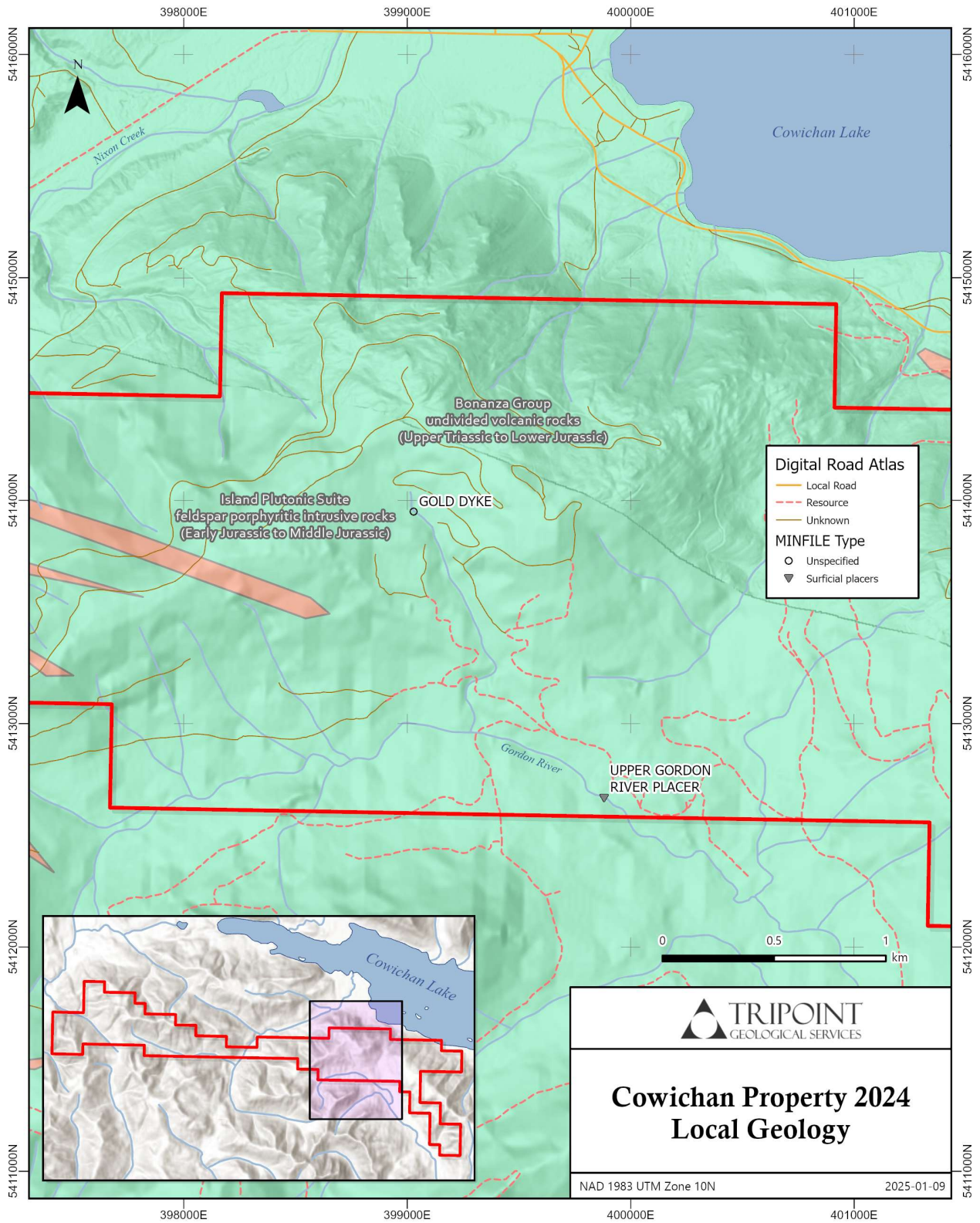


Figure 1. Local geological map of the Cowichan Property. Geology from Cui et al. (2017).

3 DATA COLLECTION AND TREATMENT

3.1 LITHOLOGY

To aid interpretation, a new lithology field ('Lith_CG') was created based on in-field sample descriptions. The resulting fields are used throughout this report and summarized below in Table 1.

Table 1. Summary of new lithology field Lith_CG.

Lith_CG	n	Comment
TUFF	6	Tuff
TUFF-L	3	Lapilli tuff
TUFF-VN	3	Tuff with emphasized veining
TUFF-L-VN	1	Lapilli tuff with emphasized veining
TUFF-BRX	4	Brecciated tuff
PYRO	1	Pyroclastic
PYRO-VN	1	Pyroclastic with emphasized veining
VOLC	2	Volcanic
INT-CF	1	Crowded feldspar intrusive
CHLD	1	Chalcedony pods
VN-E	1	Epidote veining
VN-Q	5	Quartz veining

3.2 LITHOGEOCHEMISTRY

Prior to interpretation, assay values less than the lower limit of detection were replaced by a value of ½ LOD. The percentages of analyses for each element where this was done are shown in Table 2.

Table 2. Percent of analyses with a given element below LOD, and so replaced by ½ LOD.

Element	% <LOD	Element	% <LOD	Element	% <LOD
Au	23.3	Hf	0	Sb	0
Ag	0	In	0	Sc	0
Al	0	K	0	Se	16.7
As	0	La	0	Sn	0
Ba	0	Li	0	Sr	0
Be	0	Mg	0	Ta	16.7
Bi	0	Mn	0	Te	20
Ca	0	Mo	0	Th	0
Cd	3.3	Na	0	Ti	0
Ce	0	Nb	0	Tl	0
Co	0	Ni	0	U	3.3
Cr	0	P	0	V	0
Cs	0	Pb	0	W	0
Cu	0	Rb	0	Y	0
Fe	0	Re	63.3	Zn	0
Ga	0	S	0	Zr	0
Ge	16.7				

3.3 SPECTRAL ANALYSIS

3.3.1 Spectral Measurements

The short wavelength (SWIR) and near (NIR) infrared (350–2500 nm) reflectance spectra of chip samples from the 2023 exploration program were acquired via an ASD TerraSpec Halo, and resulting spectra were inspected using CSIRO software The Spectral Geologist (TSG). This method allows the identification (and pseudo-quantification) of minerals that are classically very challenging to distinguish, including important common hydrothermal alteration minerals relevant to magmatic-hydrothermal ore-forming environments (Thompson et al., 1999). In brief, the software compares measured spectra to a reference library and matches to characteristic reflectance patterns of minerals, including via mineral mixtures. Additional spectral values were calculated within TSG and used as proxies for geochemical and crystallographic properties of the relevant minerals. Example spectra and sample photos for each group are compiled at the end of this report.

3.3.2 Spectral Processing

Spectral data were processed to yield spectral mineralogy and key spectral features in CSIRO's The Spectral Geologist (TSG) software.

3.3.2.1 Spectral Mineralogy

Depending on the spectrum, TSG's mineralogy matching algorithm The Spectral Assistant (TSA) may provide many possible minerals and mineral mixtures that could replicate the measured spectrum with varying degrees of success. Therefore, the spectral mineralogy for each sample spectrum as suggested by TSA was individually reviewed for quality of match, with special attention paid to the reproduction of key absorption features. This care is needed because these features were sometimes of small local or overall magnitude, and could be de-emphasized by TSA's attempt to minimize the total error of fit over the full spectrum. Additionally, certain minerals (e.g., Fe-carbonates, tourmaline, zoisite, Mg-rich chlorite, and diaspore) received heightened scrutiny because of a tendency for TSA to erroneously prefer their involvement in modeled mineral mixtures (Halley, 2016).

Where the initial TSA mineralogy was considered poor, it was manually replaced by a better alternative selected from the available possibilities whenever possible. The finalized mineral mixtures were grouped into mineral assemblages based on the dominant mineralogy for further interpretation and integration with the rest of the available data.

3.3.2.2 Spectral Features

In addition to generating a likely mineralogy, spectral data can act as proxies for geochemical and crystallographic information. This approach was implemented through two methods. First, descriptive parameters of a key absorption feature (Table 3) were quantified using a Hull Quotient (i.e. background removed) spectrum. These parameters include the exact wavelength at a feature's maximum depth (labelled 'Hqw' in Appendix B), the relative depth (strength) of the feature ('HQRd'), and the relative width of the feature at half the maximum depth ('HQRwd'). These were used in the second method, involving simple calculations and ratios of the spectral feature data to yield information on mineral composition, relating to degrees of hydration, crystallinity, etc. Some calculated spectral parameters are presented in Table 4. The calculated parameters were individually compared to their spectra and spectral mineralogy to assess their validity. Highly suspicious values (such as those from feature depths of <0.01) were not considered further.

Table 3. Some key spectral absorption features (e.g., Doublie et al., 2010).

Wavelength (nm)	Radius (nm)	Molecular proxy
1400	50	OH
1900	50	H ₂ O
2200	20	AlOH
2250	30	FeOH
2350	30	MgOH

Table 4. Spectral calculation equations (e.g., Doublier et al., 2010).

Name	Equation	Possible interpretations
Illite Spectral Maturity (ISM)	$\frac{d2200}{d1900}$	<p>Related to relative hydration. Higher = less hydrous and possibly higher temperature.</p> <p><i>Uses Hull Quotient Depths.</i></p>
Kaolinite Crystallinity (Kx)	$\frac{r2184}{r2190} - \left(\frac{r2160}{r2177} - \frac{r2184}{r2190} \right)$	<p>Based on shape of Kaolinite doublet. Kx > 1 suggests relatively greater crystallinity. <i>Uses Hull Quotient Reflectances.</i></p>
Fe-Chlorite Spectral Maturity (CSM_F)	$\frac{d2250}{d1900}$	<p>Related to relative hydration, based on H₂O feature. Higher = less hydrous and possibly higher temperature. Appropriate for Fe-chlorite.</p> <p><i>Uses Hull Quotient Depths.</i></p>
Mg-Chlorite Spectral Maturity (CSM_M)	$\frac{d2350}{d1900}$	<p>Related to relative hydration, based on H₂O feature. Higher = less hydrous and possibly higher temperature. Appropriate for Mg-chlorite.</p> <p><i>Uses Hull Quotient Depths.</i></p>

4 PROGRAM RESULTS

4.1 LITHOGEOCHEMISTRY

There are two main geochemical sample populations. The first corresponds to vein or otherwise hydrothermal material in which most element concentrations are very low due to variable rock leaching and dilution by hydrothermal silica. The second population corresponds to more 'typical' igneous rock compositions. Within the latter, incompatible trace elements suggest possible geochemical sub-populations that may help map the property geology if this can be substantiated with more data (Figure 2).

Gold mineralization appears to be most closely accompanied by Ag-As ± Bi-Sb enrichment, as is typical of epithermal systems (Figure 3).

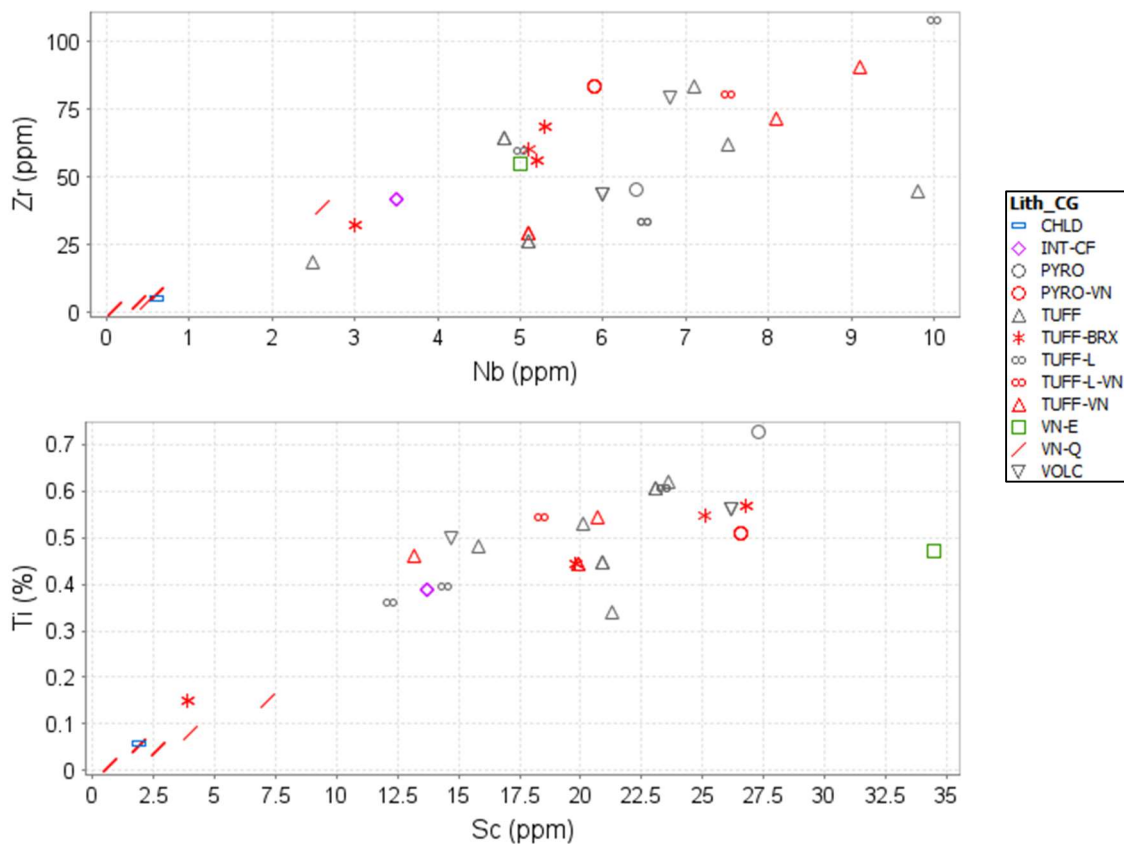


Figure 2. Geochemistry may be able to aid mapping as additional samples are collected, for example in the context of Ti and Sc (top), or Zr/Nb ratios (bottom).

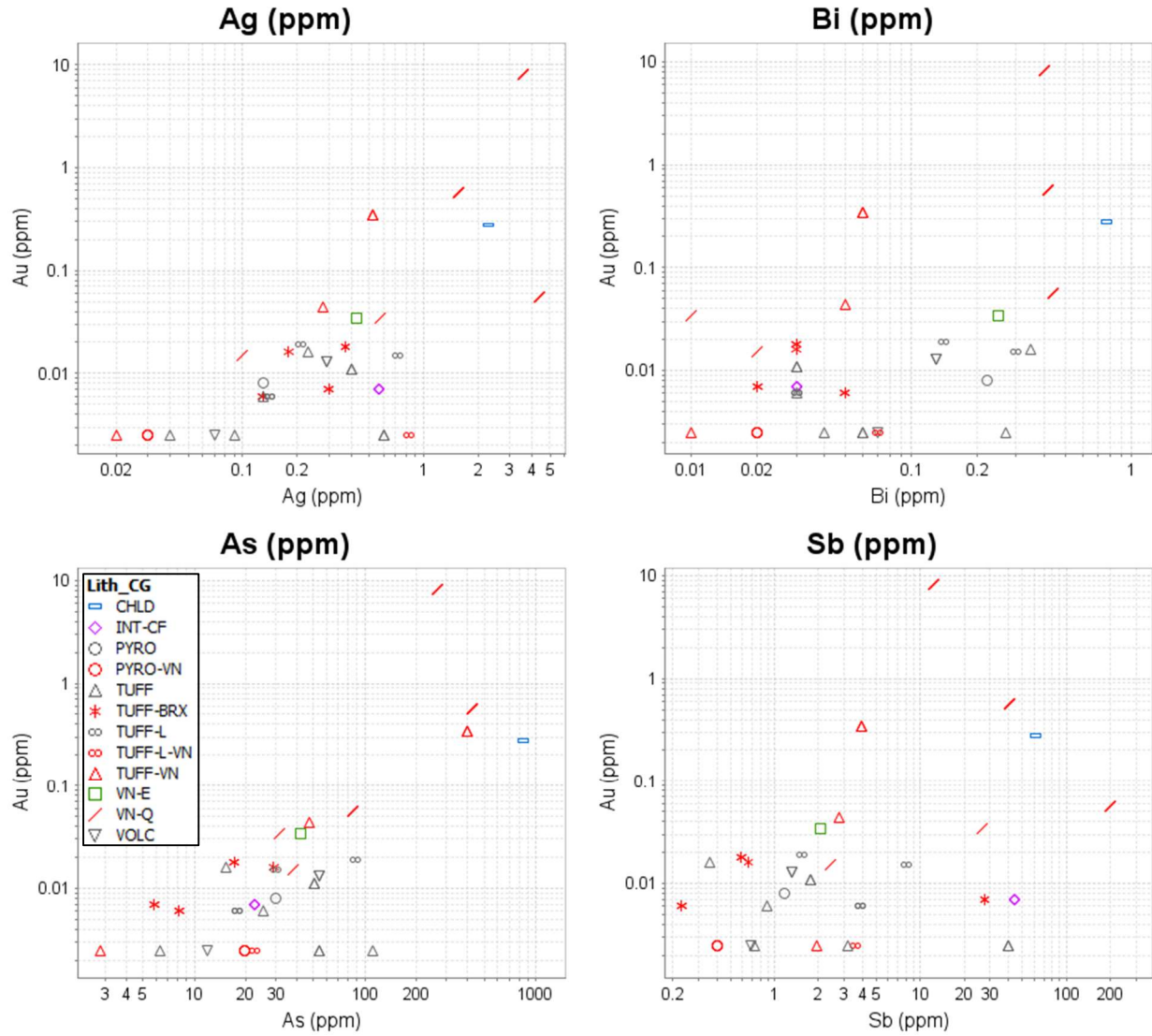


Figure 3. Gold mineralization appears to be most closely related with Ag-As ± Bi-Sb enrichment.

4.2 SPECTRAL MINERALOGY

Although 29 rock samples were collected, spectral analysis was often performed at different spots on a single sample. As such, there are 52 spectral analyses reported here.

The derived spectral mineralogies were grouped according to their first- and second-most abundant spectral minerals to yield spectral mineralogy classes (e.g., Halley, 2016; Figures 4–6).

The most abundant spectral mineral was sericite (including white micas and illite; observed in 28 analyses), followed by chlorite (15 analyses), dickite (11 analyses), and kaolinite (10 analyses).

The 2200 nm feature wavelengths in sericitic samples were overall low to moderate, ranging from 2197 to 2210 nm. Kaolinite-bearing analyses (dickite-free) returned moderate Kx values between 1 and 1.007. Sericitic samples (dickite- and smectite-free) had a range of ISM values, dominantly between 0.3 and 1.

The spectral analyses were used to outline preliminary alteration zones on the property, including dickite, kaolinite, and sericite areas (Figure 7). Dickite and kaolinite are found near the Gold Dyke occurrence, show a strong spatial overlap, and are somewhat offset from the larger sericite area. The sample count is very small and so these areas are approximate, based only on currently available spectral analyses, and will likely evolve after future work.

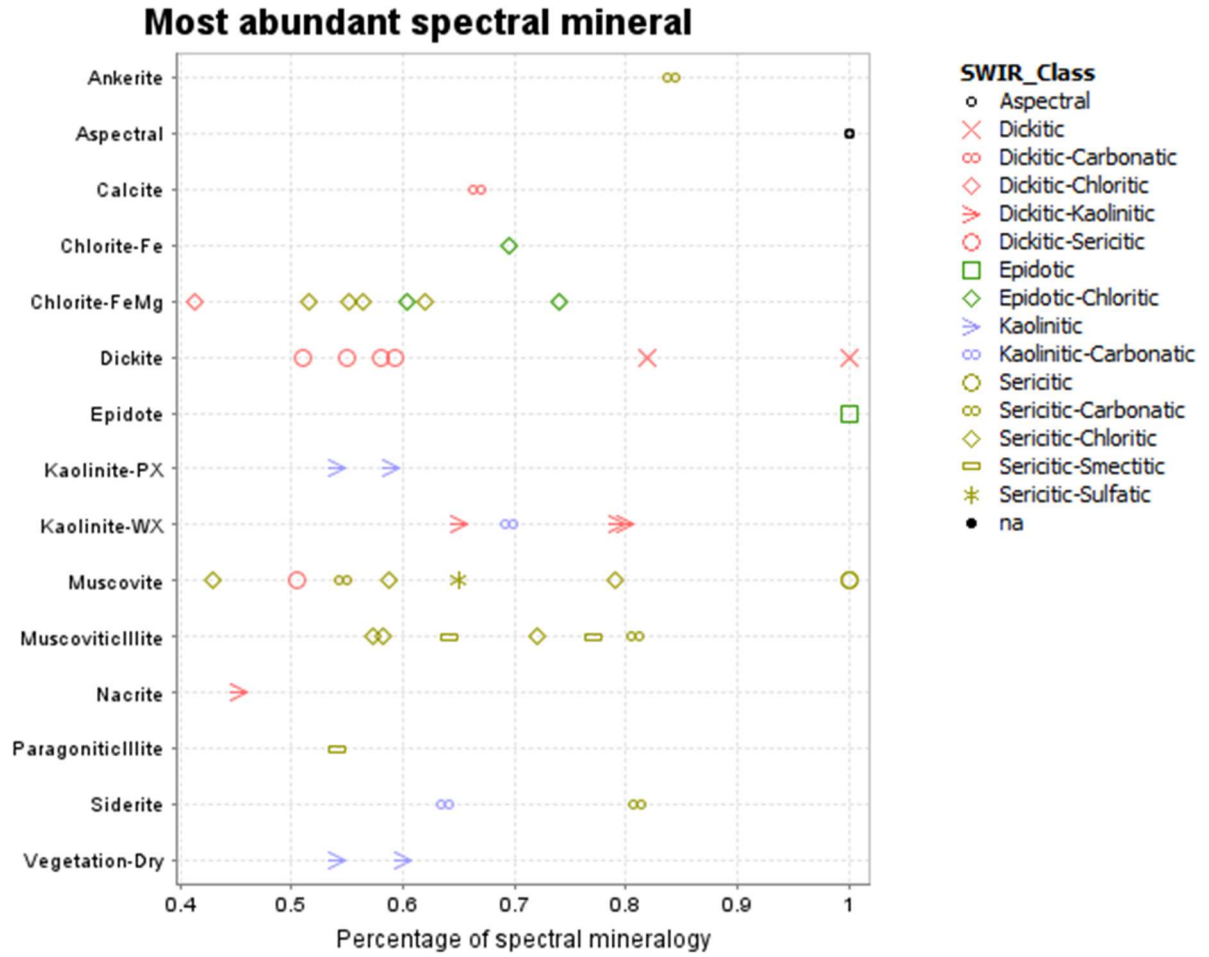


Figure 4. Most abundant spectral mineral.

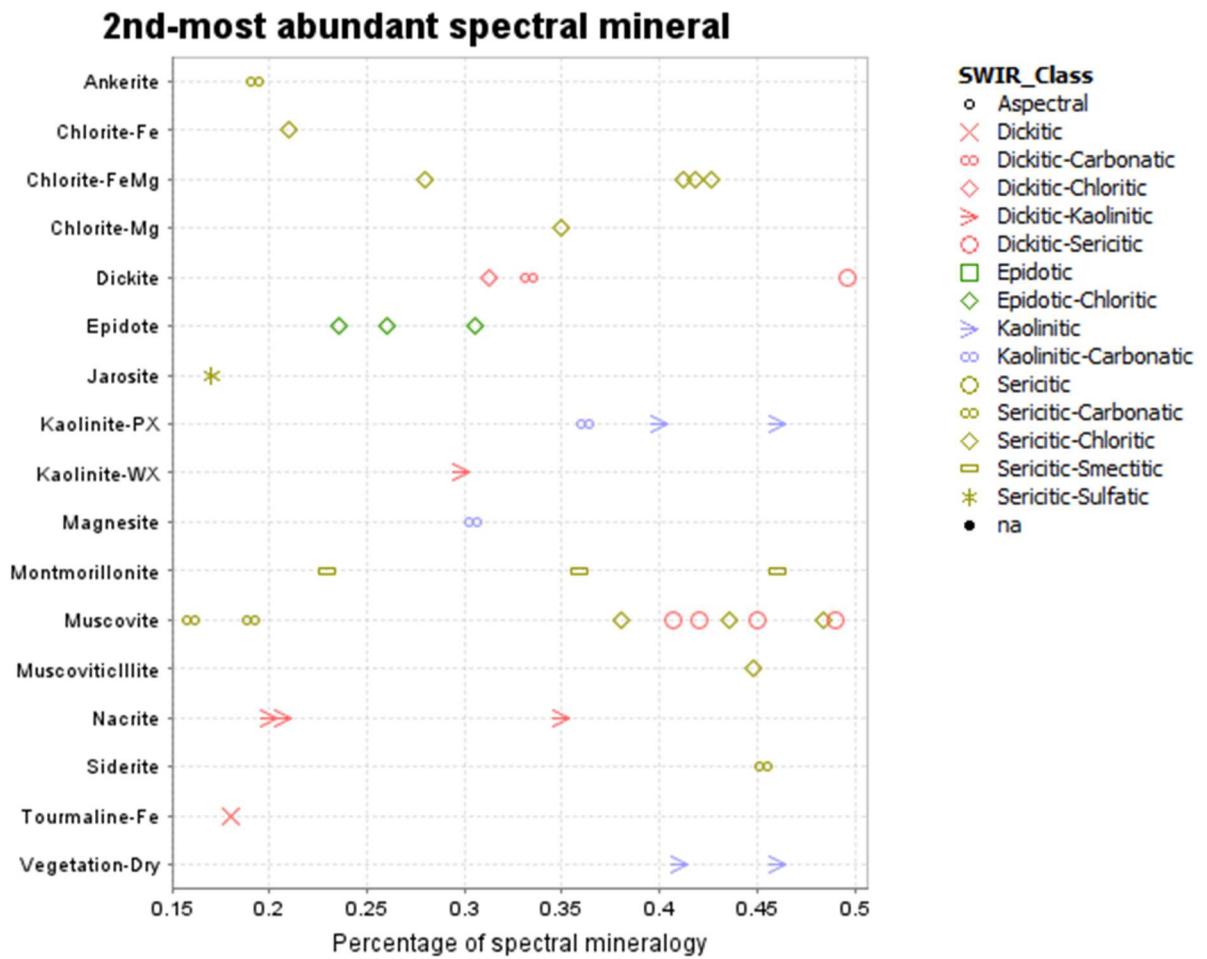


Figure 5. Second-most abundant spectral mineral.

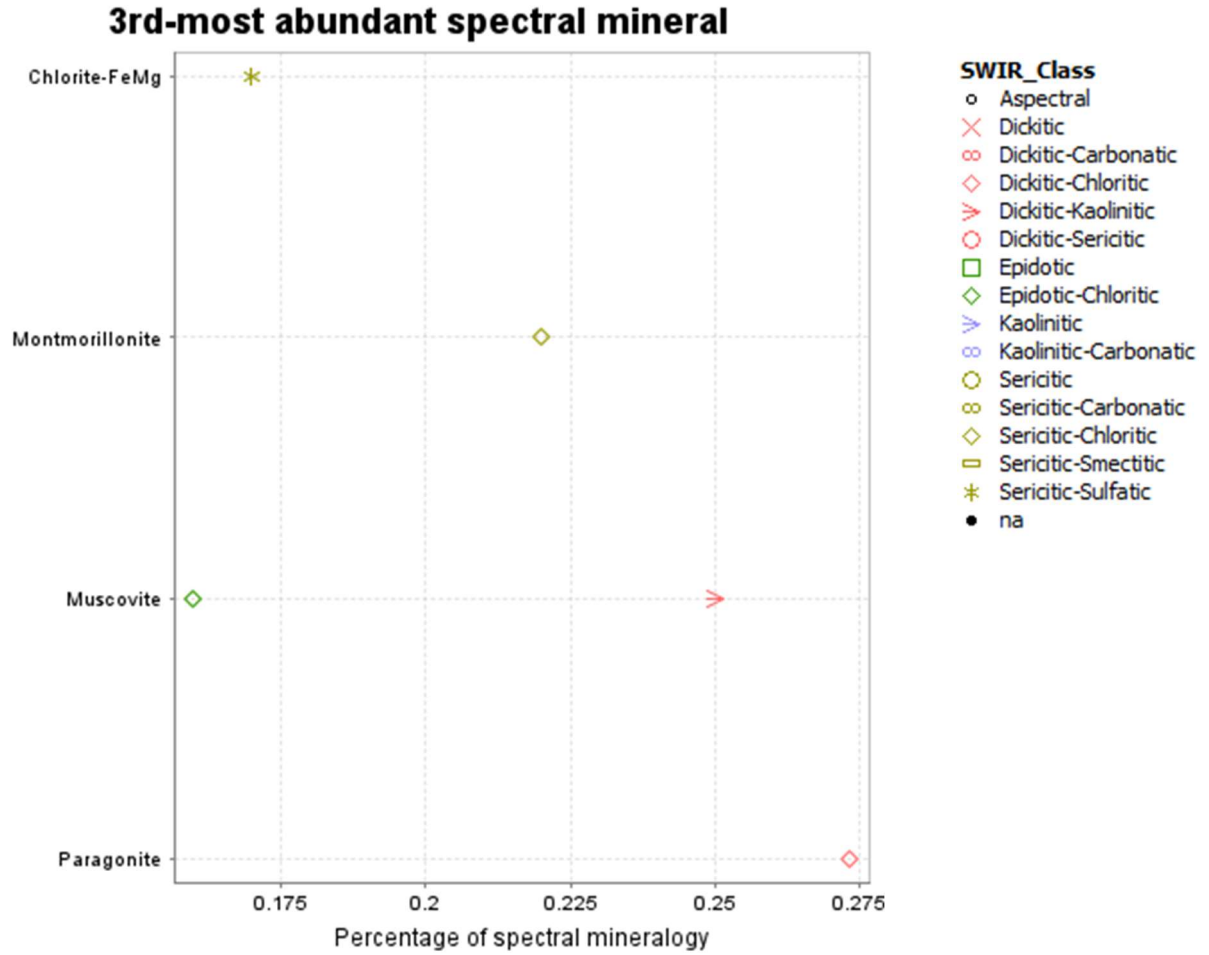


Figure 6. Third-most abundant spectral mineral.

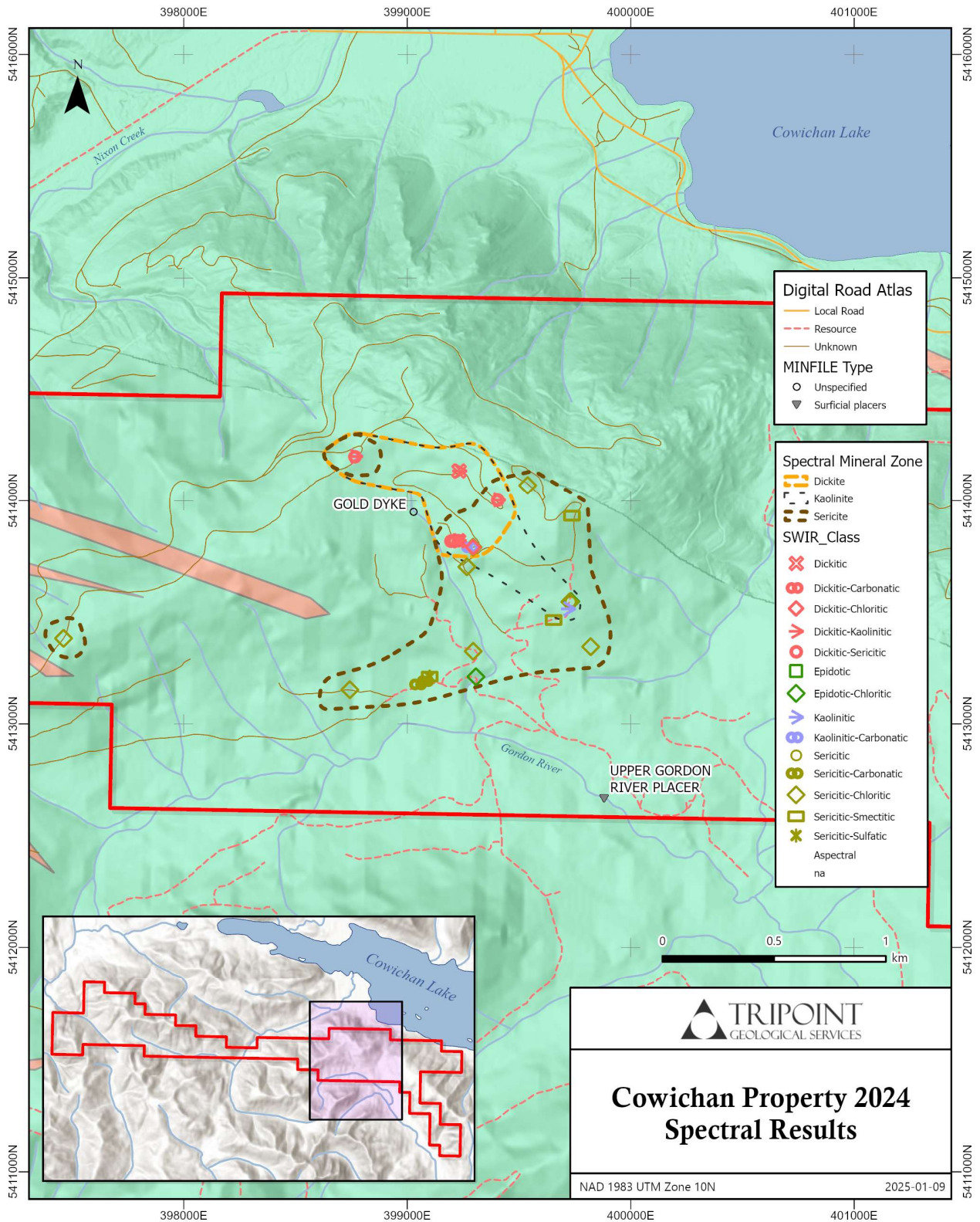


Figure 7. Spectral mineralogy and resulting alteration zones. Geology as in Figure 1.

4.3 SPECTRAL AND LITHOGEOCHEMICAL SYNTHESIS

Spectral mineralogies and geochemical alteration proxies both indicate overall moderate to low-temperature hydrothermal alteration.

Samples described as containing mostly igneous material demonstrate geochemical alteration proxies reflecting their sericitic or dickitic spectral mineralogies. Figures 8 and 9 show geochemical evidence of warm variably acidic hydrothermal fluids stripping Na (\pm K) from the host rock as these alteration minerals develop.

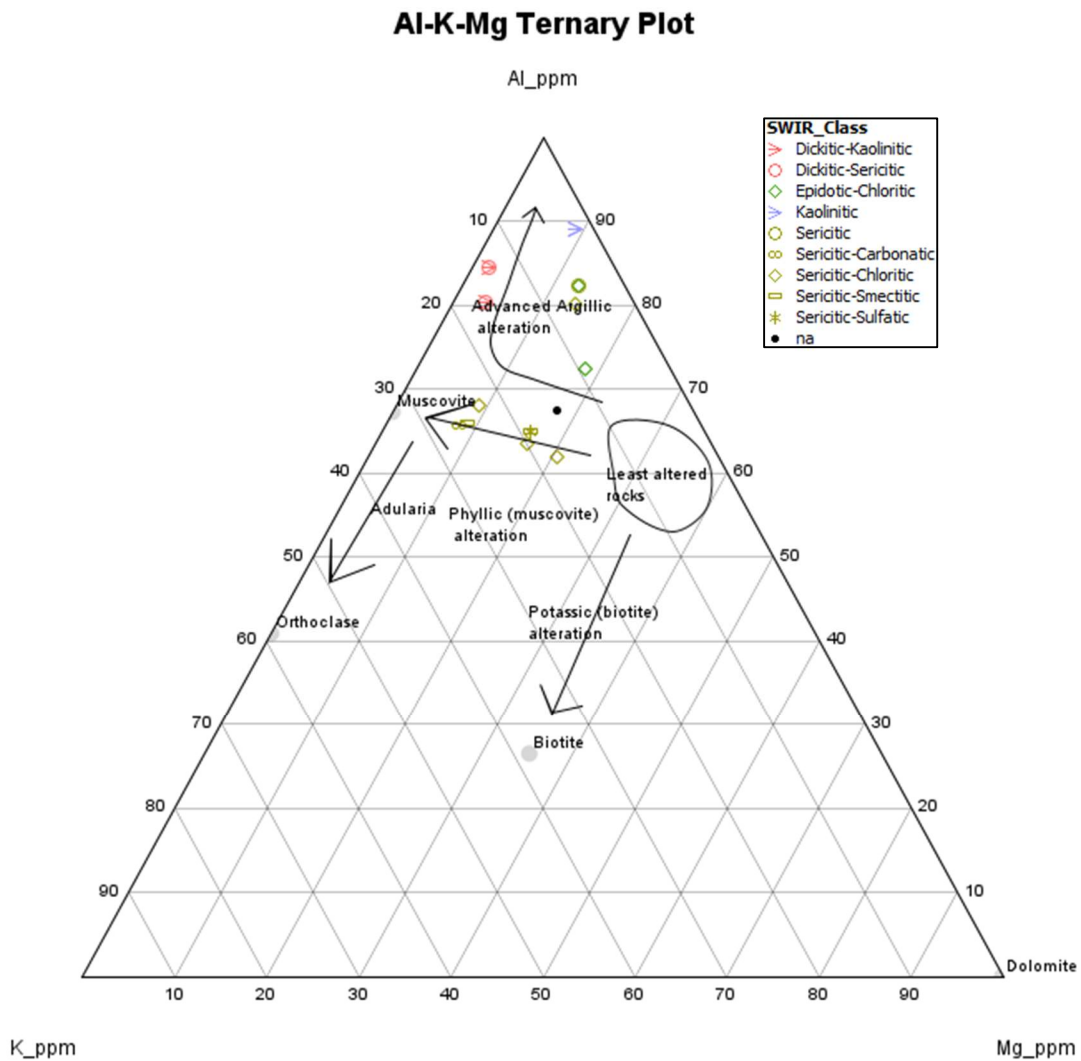


Figure 8. Ternary diagram showing illustrative geochemical alteration pathways (Halley, 2020). Samples shown are igneous and non-heavily veined.

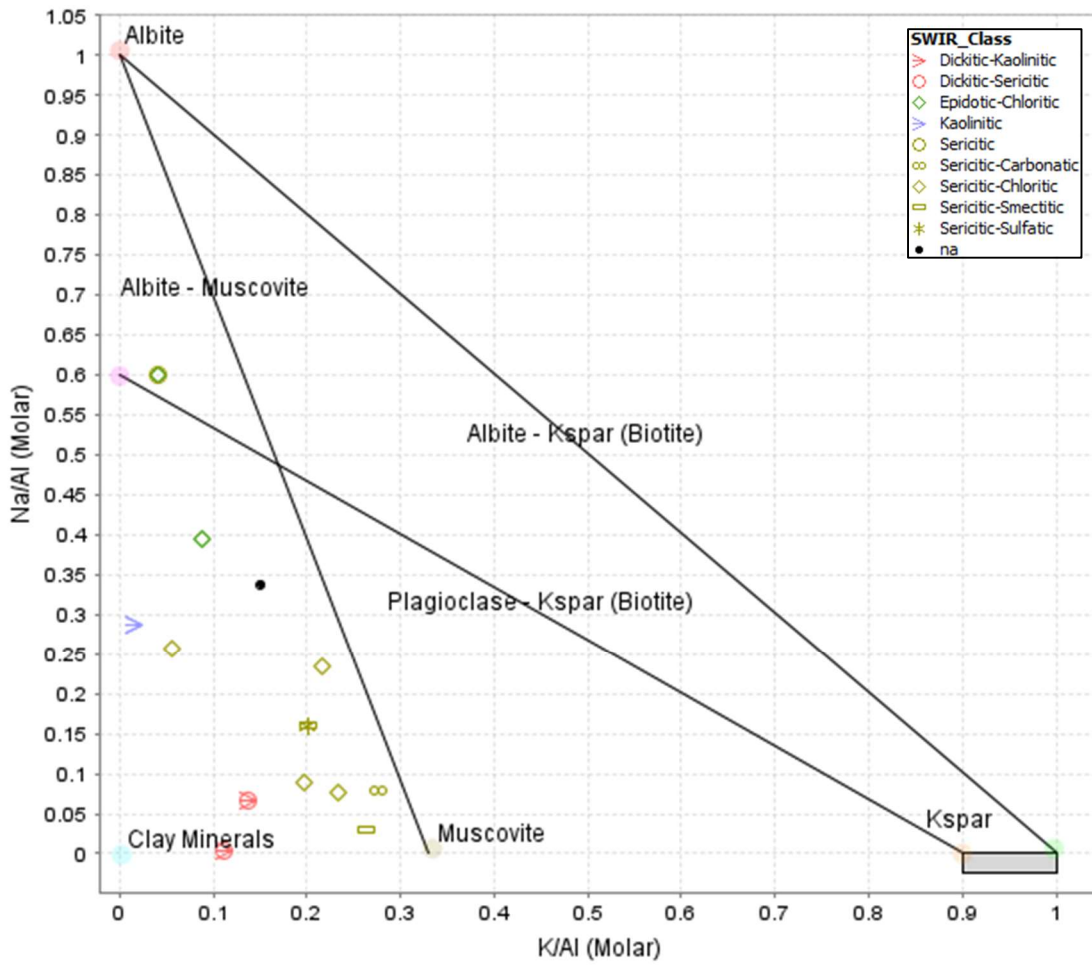


Figure 9. Molar alkali-alumina ratios (e.g, Davies and Whitehead, 2010) showing spectral mineralogy in the context of geochemical mineralogy proxies. Samples shown are igneous and non-heavily veined.

4.3.1 Empirical Geochemical Vectors MPIx and MPIx_L

During studies of mineral exploration properties in the Toadogone region of BC that have a similar geologic setting as the Cowichan Property, Bouzari et al. (2019; 2022) developed two empirical geochemical vectors based on the general behaviour of some key ore metals and pathfinder elements in porphyry-epithermal systems. The first, MPIx, assesses vertical proximity whereas the second, MPIx_L, assesses lateral proximity. In both, a higher score is considered more prospective for porphyry Cu potential. The vectors are defined as follows:

$$MPIx = \frac{\frac{Cu}{10} + Mo + (10xW) + (20xSn)}{(5xSb) + (20xTl) + Ag + As + Li}$$

$$MPIx_L = \frac{(5xSb) + (20xTl) + As}{\frac{Zn}{10} + \frac{Mn}{50}}$$

The observed variation in MPIx_L (Figure 10) is primarily driven by Sb enrichment and Zn-Mn depletion. However, the distribution of MPIx_L values is so far bimodal. The Sb enrichment and Zn-Mn depletion in the dickite-bearing samples strongly accounts for the high MPIx-L values (>20), whereas the remaining samples are generally sericitic with lower MPIx_L values (≤5) and may show a more uniform contribution to MPIx_L values from Sb, Tl, and As.

The MPIx values are all low (e.g., <1; Figure 11).

In this context, the indices suggest that Cowichan samples are from relatively shallow parts of a magmatic-hydrothermal system, albeit with prospective lateral proximity. The presence of dickite-bearing spectral mineralogies in samples with high MPIx_L values supports this interpretation.

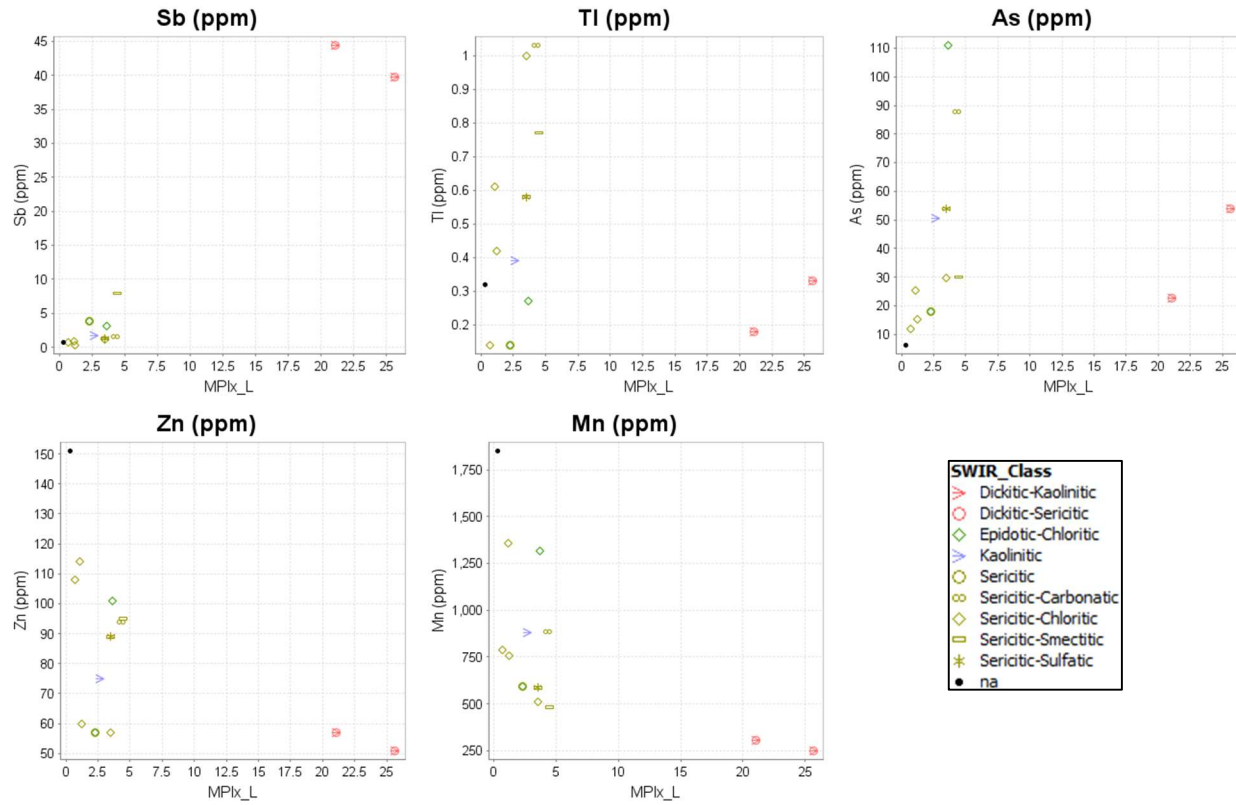


Figure 10. Influence of component elements on MPIx_L values. Samples shown are igneous and non-heavily veined.

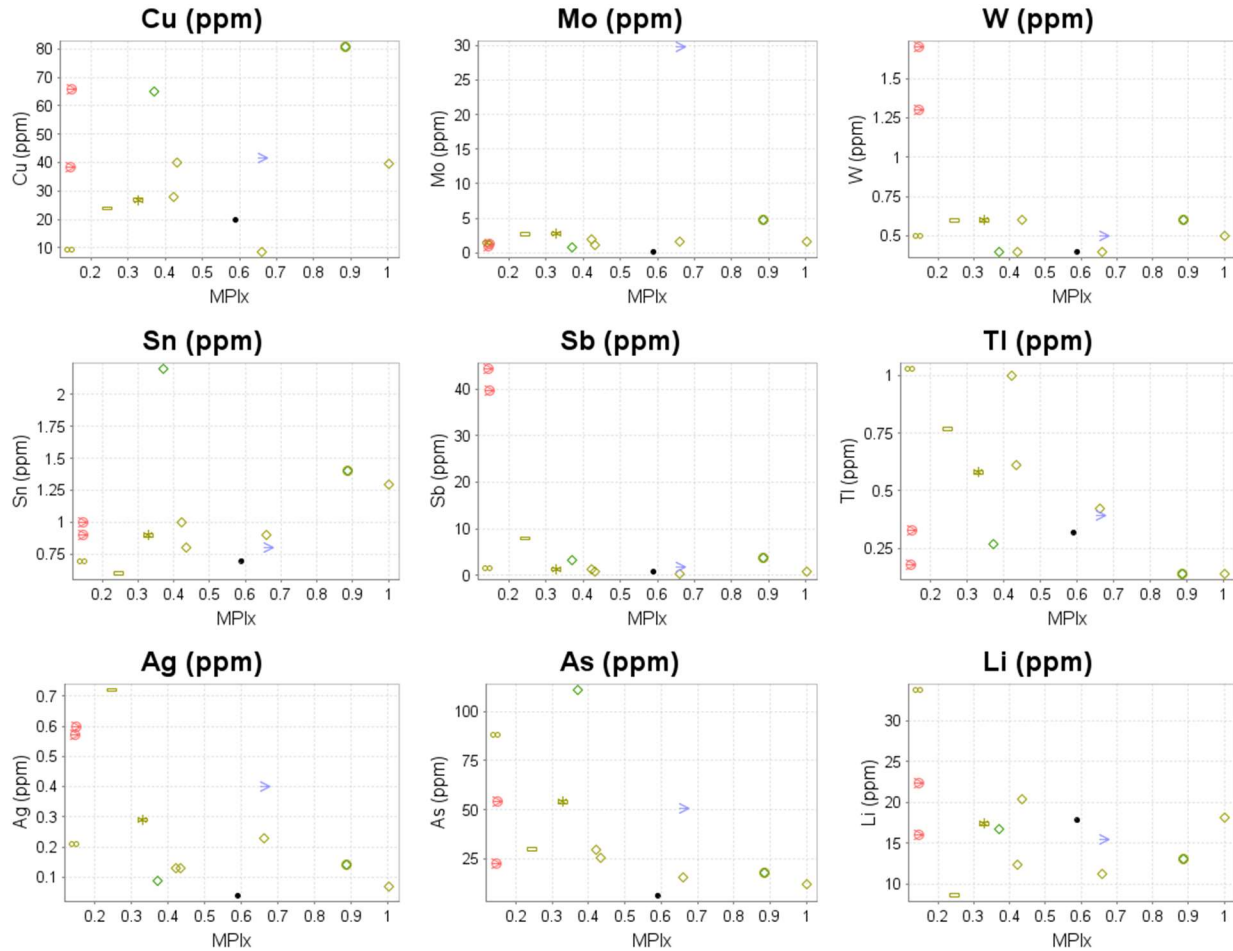


Figure 11. Influence of component elements on MPIx values. Samples shown are igneous and non-heavily veined. Symbols as in Figure MPIx_L.

4.3.2 Other Potential Vectoring Aids

Samples K479195 and K479196 represent a vein and wall rock pair, respectively, from near the Gold Dyke historic workings. Considered together, they are an example of target mineralization as well as the geochemistry of nearby alteration that could help vectoring towards unknown mineralization. The mineralized quartz vein (K479195) has a high Au grade (8.17 g/t) and high Au/Ag ratio (~2.3), whereas the wall rock has a moderate Au grade (0.356 g/t) but little Ag. Spectral mineralogies for both were sericite-bearing (muscovite) ± carbonate-chlorite, and the vein sample notably contained dickite (analysis K479195y). The 2200 nm feature wavelengths from sericite-bearing spectral mineralogies were somewhat lower in the vein (~2204 nm) than the wall rock (~2207–2210 nm), however a potential relationship between 2200 nm feature wavelengths and Au grade among other samples was not clear (Figure 12).

Potential pathfinder elements enriched in the Au-mineralized vein material that were also anomalous in the wall rock sample include Pb, As, Sb. Based on 2024 results, additional elements that may indicate immediate proximity to unknown Au mineralization include Bi and W.

See Table 5 for a summary of exploration characteristics for the best samples from the 2024 exploration program, and Figure 13 for the relationship between mineralization and alteration zones.

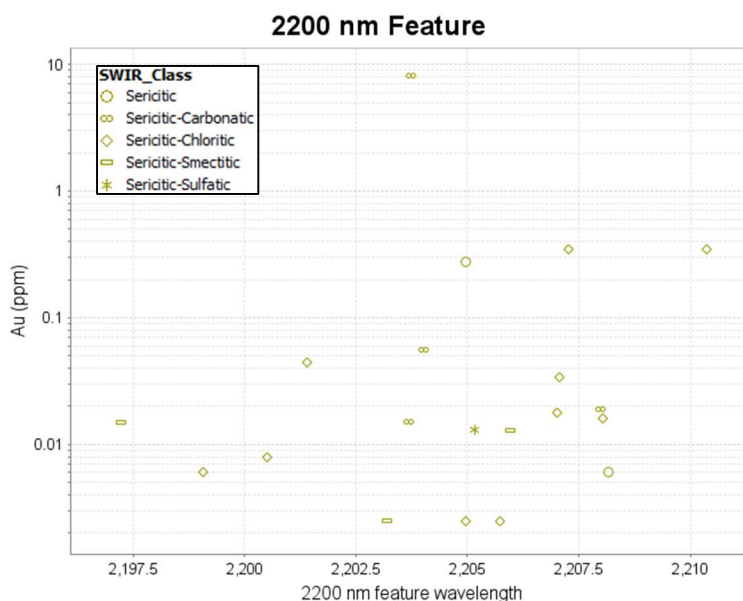


Figure 12. Gold grades in the context of 2200 nm feature wavelengths for applicable samples.

Table 5. Summary information for the best samples from the 2024 exploration program. Element concentrations are via assay.

Sample ID	K479193	K479195	K479196		K479197
SWIR ID	K479193y	K479195b	K479196b	K479196y	K479197g
Sample Description	Massive quartz veins float w/ galena, pyrite. Vuggy, banded.	K479195 - Qtz veins with sulphides, bright red infill, coxcomb. K479196 – Wall rock material.		Adit, 2–4m massive chalcedony, pods of massive pyrite, galena. Clay alt selvage in tuff.	
Lith_CG	VN-Q	VN-Q	TUFF-VN		CHLD
Sericitic SWIR Class 2200 nm	Sericitic-Carbonatic 2204.0	Sericitic-Carbonatic 2203.7	Sericitic-Chloritic 2207.3	Sericitic-Chloritic 2210.4	Sericitic 2205.0
Au (ppm)	0.056	8.17	0.346		0.277
Ag (ppm)	4.34	3.56	0.52		2.27
Cu (ppm)	1415	167	17.5		49.6
Pb (ppm)	9000	711	70.1		3110
Zn (ppm)	9990	675	167		962
Mn (ppm)	855	551	1295		57
As (ppm)	84.4	265	398		846
Sb (ppm)	199.5	12.3	3.92		61.4
Bi (ppm)	0.44	0.4	0.06		0.77
W (ppm)	0.1	3.4	1.4		0.7
MPIx_L	1.1	4.2	10.2		14.3

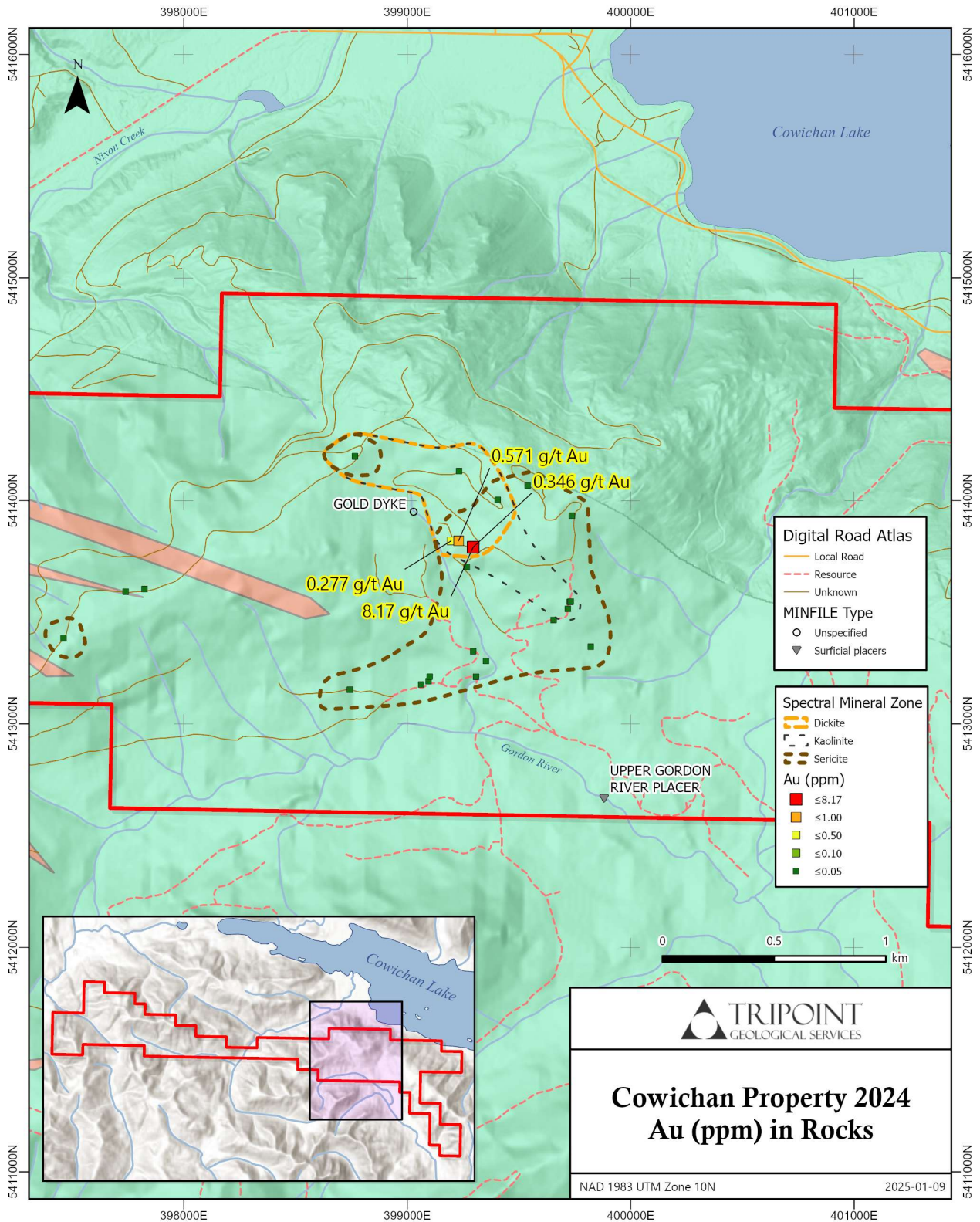


Figure 13. Gold grades in the context of alteration zones. Geology as in Figure 1.

5 DISCUSSION AND CONCLUSIONS

Despite a relatively small number of samples, this study yielded several promising insights about the Gold Dyke area.

- 1) Historic mineralization at the Gold Dyke occurrence was confirmed, including high grade Au (8.17 g/t) and broadly similar Au-Ag-Pb-Zn ratios as encountered in historic drill intercepts (e.g., Payne, 1987).
- 2) Spectral mineralogies (e.g., dickite) indicate a relatively warm and acidic hydrothermal environment perhaps exceeding 200 °C.
- 3) Preliminary alteration mapping based on spectral mineralogies shows Au ± Ag-Cu-Pb-Zn mineralization is coincident with the dickite-bearing rocks. The dickite area (~800 m strike length) is associated with variably coincident kaolinite and sericite areas, based solely on the 2024 rock samples.
- 4) Results further establish the likely influence of local intrusive activity on the local hydrothermal systems.
- 5) Local geology, ore metals, pathfinder geochemistry, and alteration indicate an epithermal Au system.

Rock sampling, multi-element assaying, and spectral analysis should be expanded in future programs to delineate prospective hydrothermal systems and test and strengthen interpretations from this report.

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APPENDIX A

EXAMPLE SPECTRA AND SAMPLE PHOTOS FOR EACH SPECTRAL MINERALOGY CLASS

Measured spectra in black, TSA modeled mineralogy in colour.

When present, sample ID suffixes correspond to coloured spots on photos as follows:

b – blue

g – green

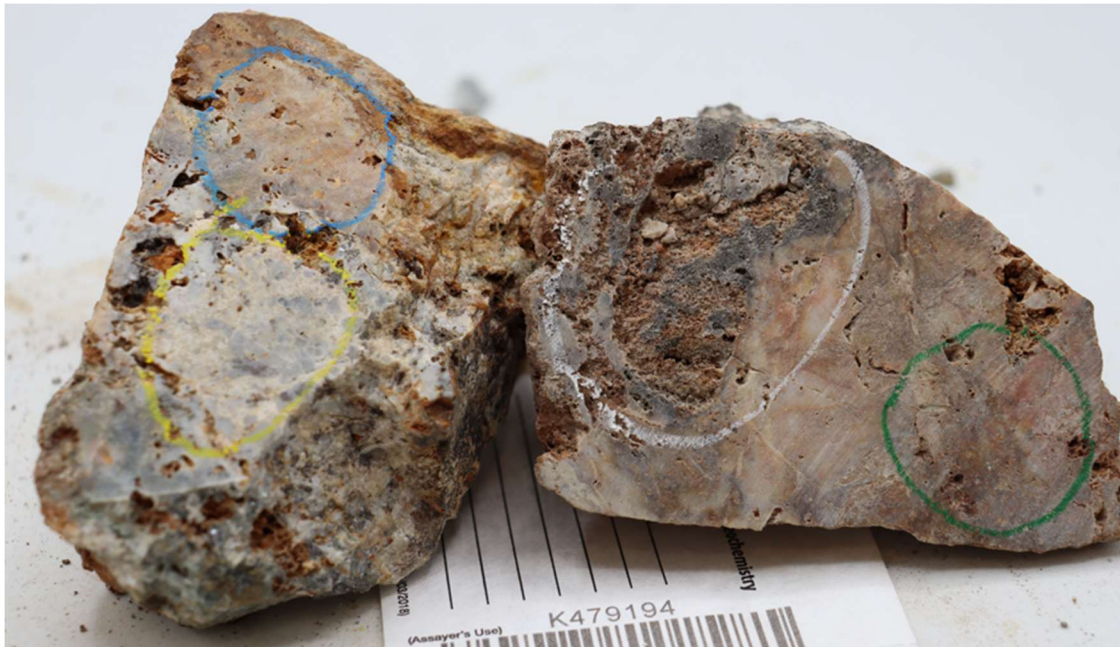
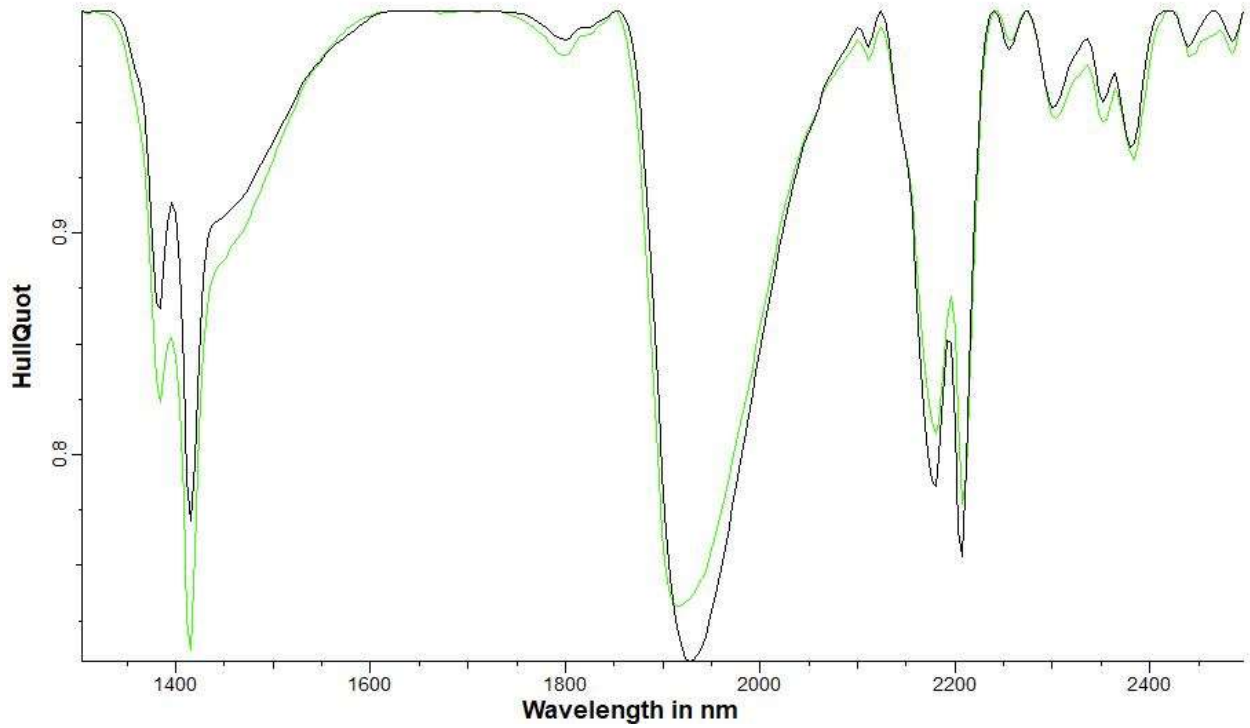
w – white

y – yellow

Dickitic

Sample K479194b

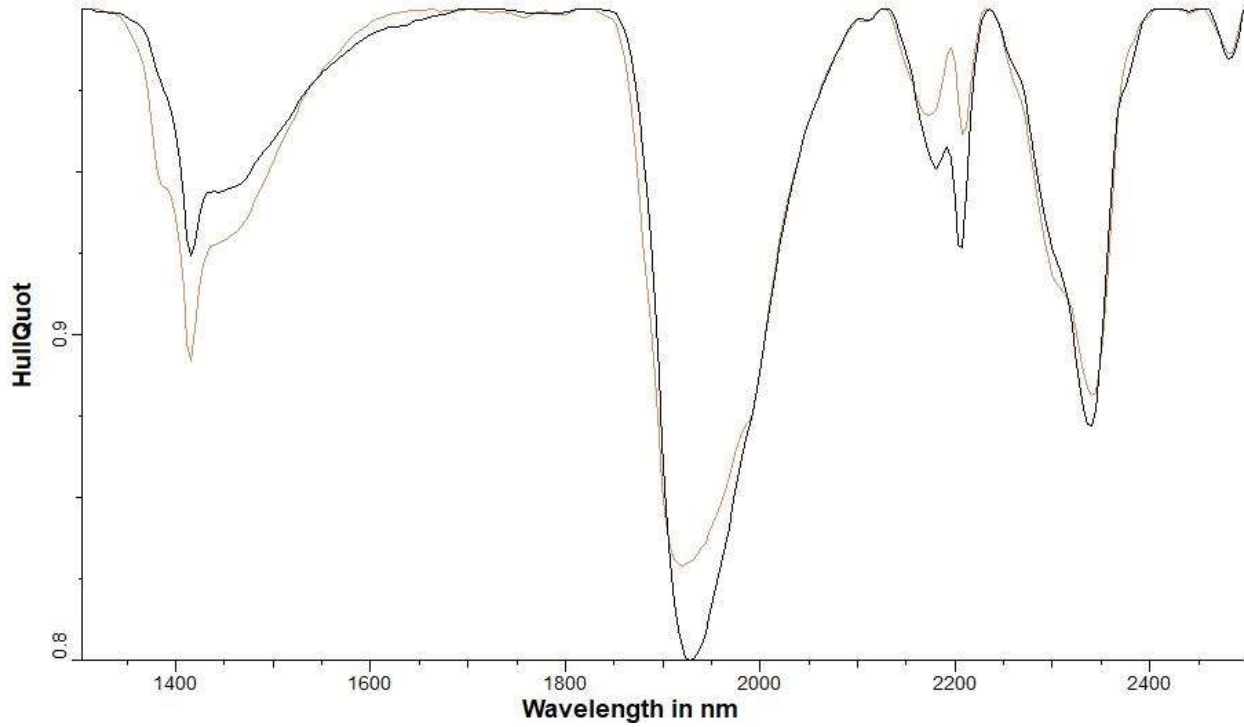
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Dickitic-Carbonatic

Sample K479194y

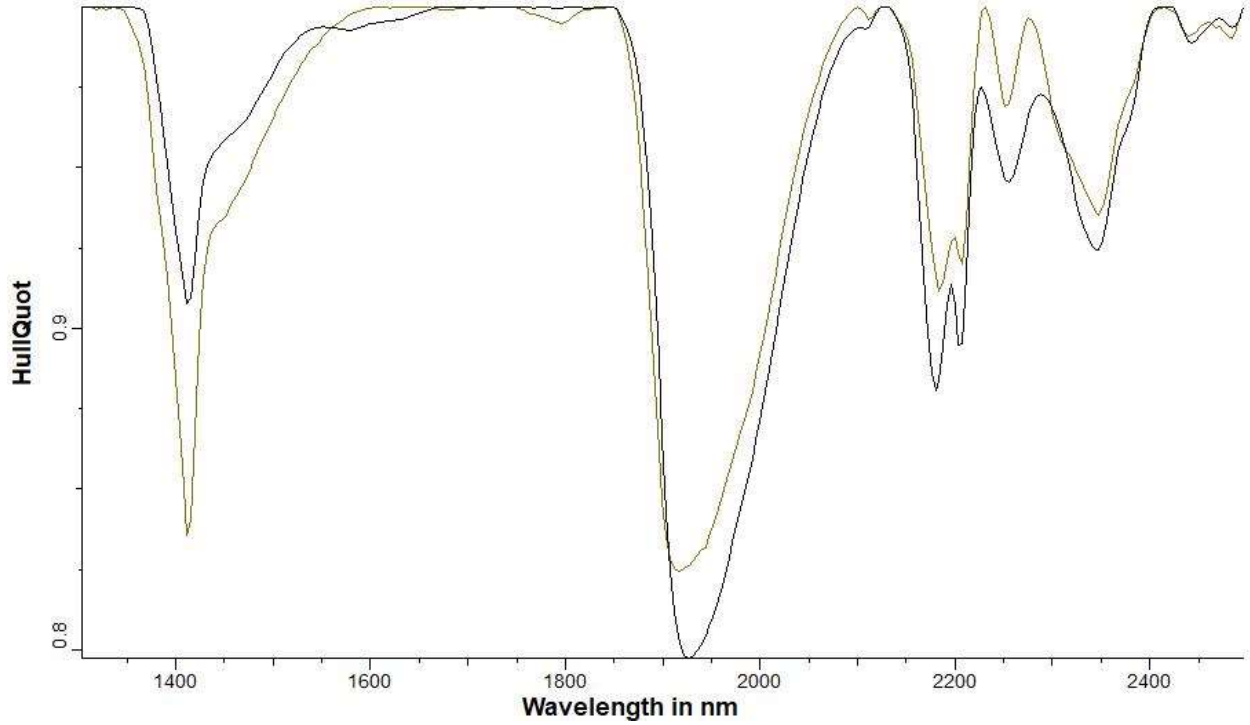
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Dickitic-Chloritic

Sample K479195y

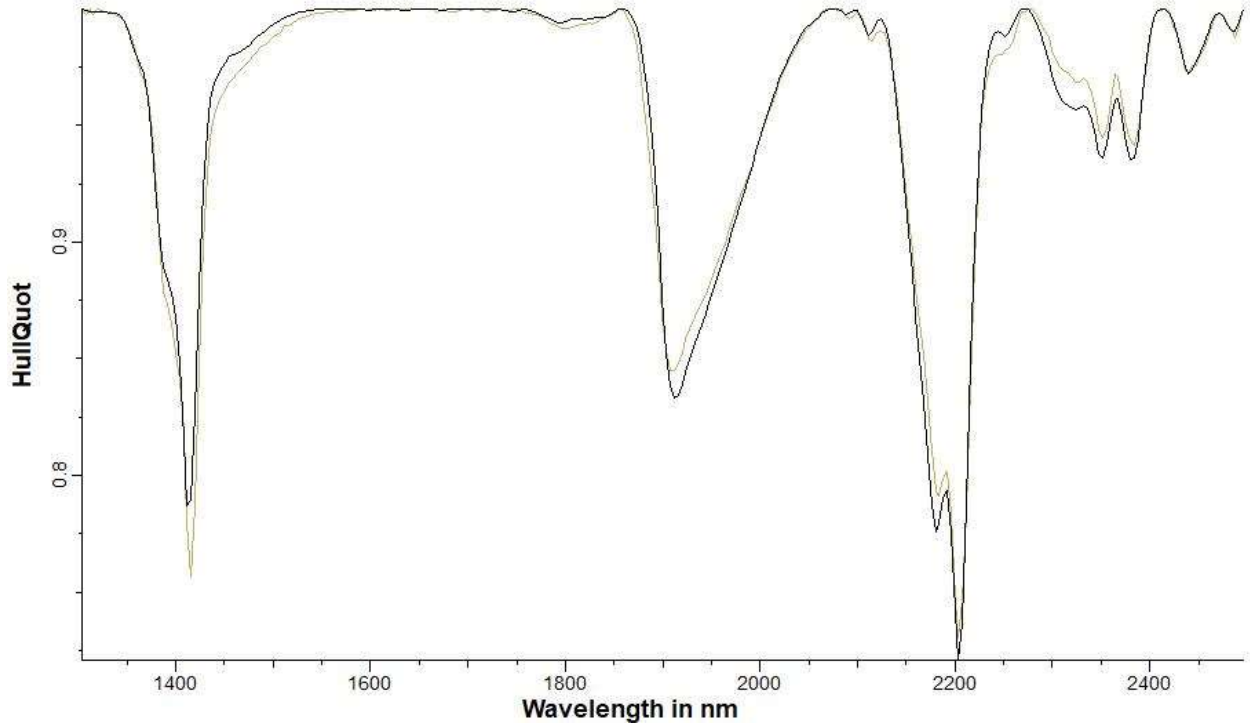
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Dickitic-Kaolinitic

Sample K479191y

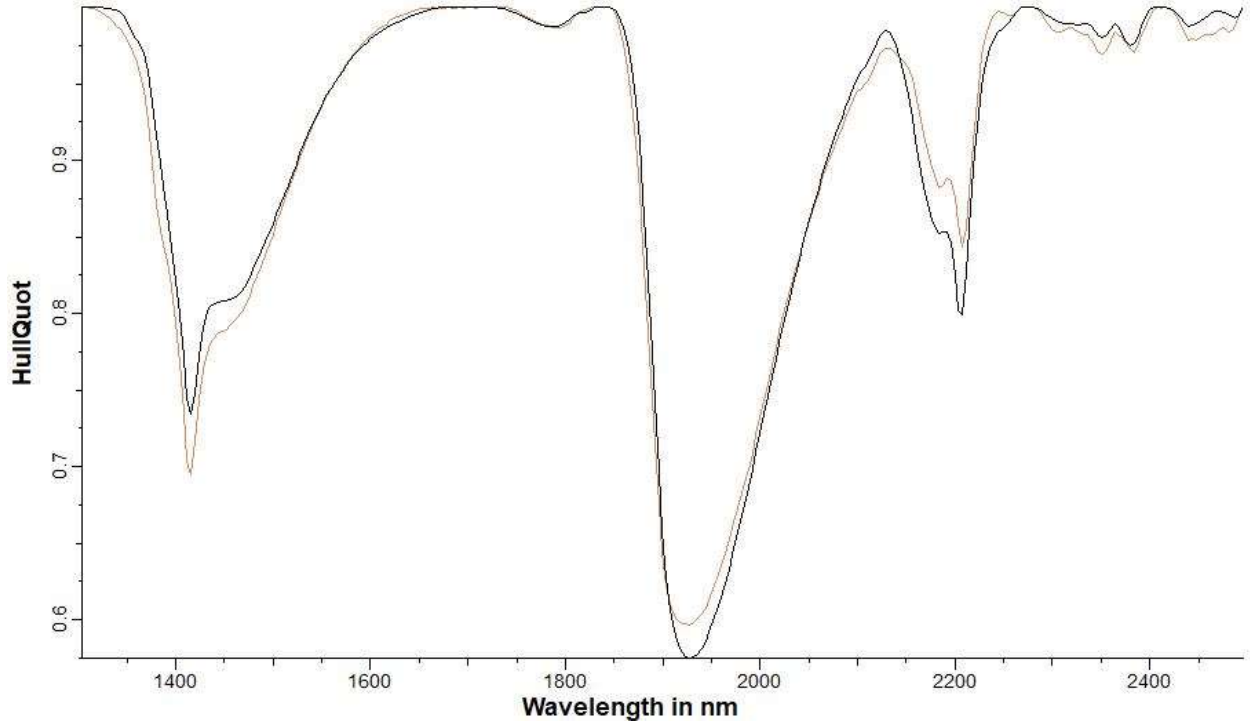
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Dickitic-Sericitic

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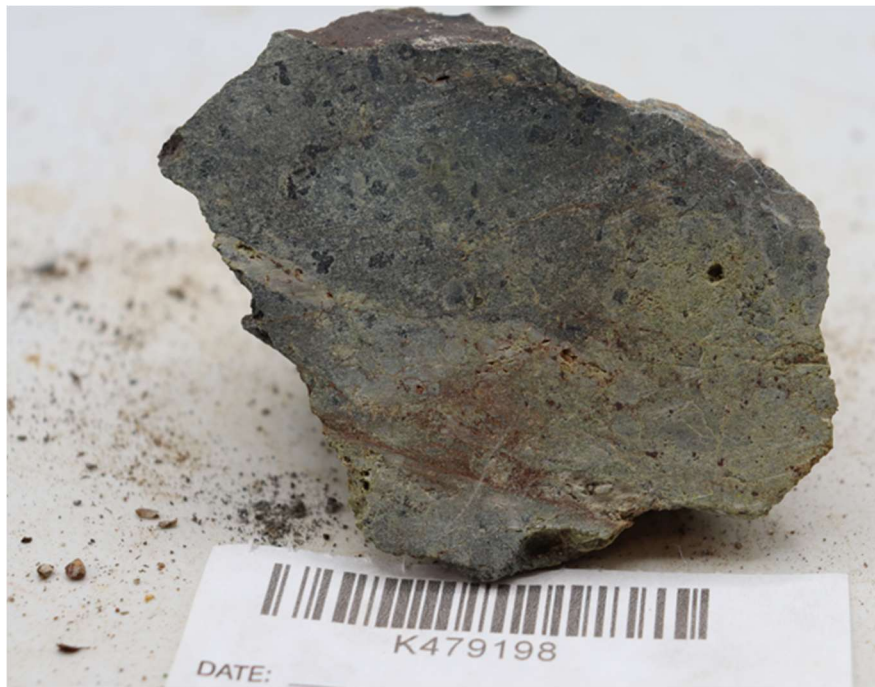
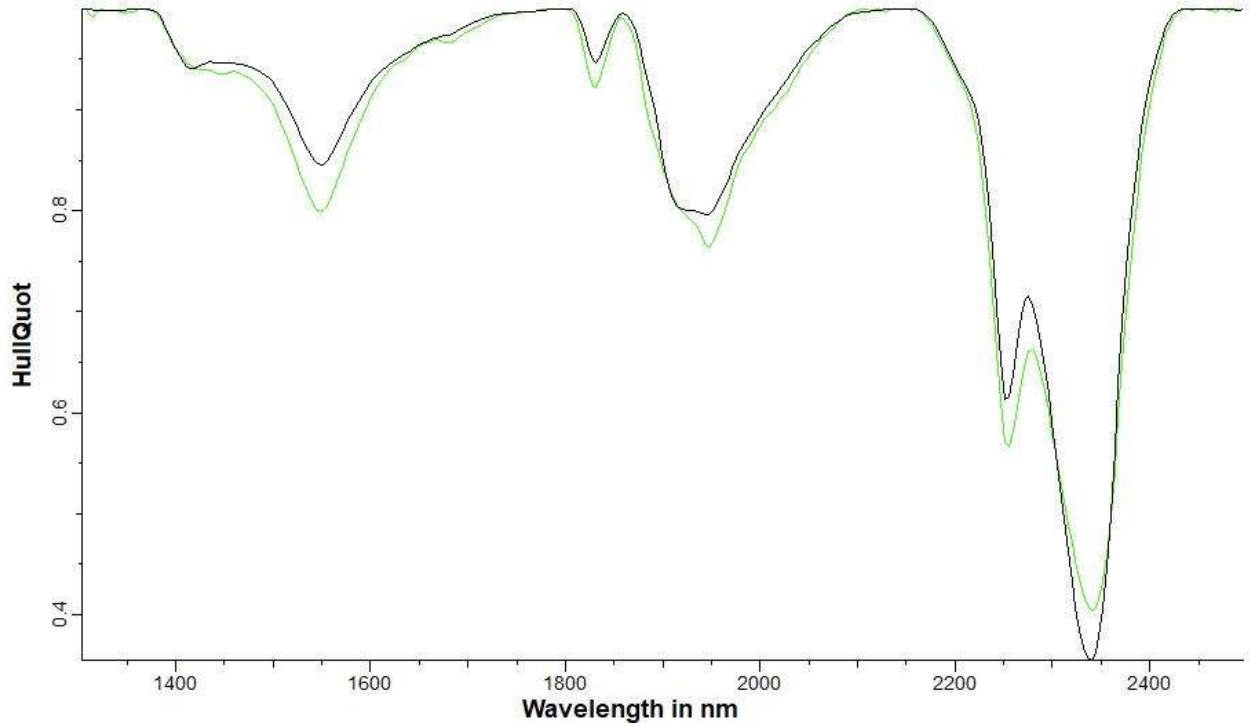
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Epidotic

Sample K479198b

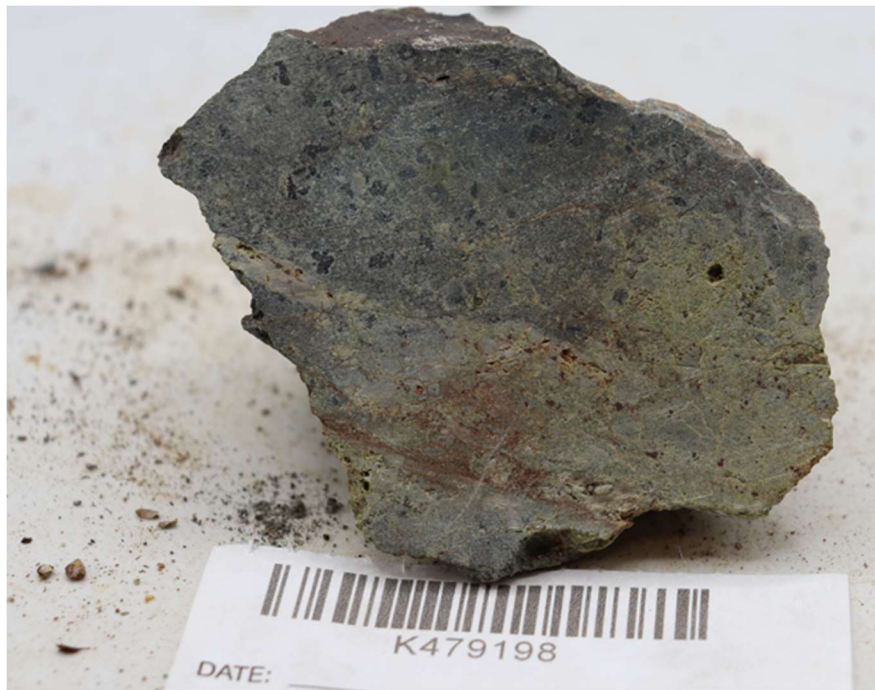
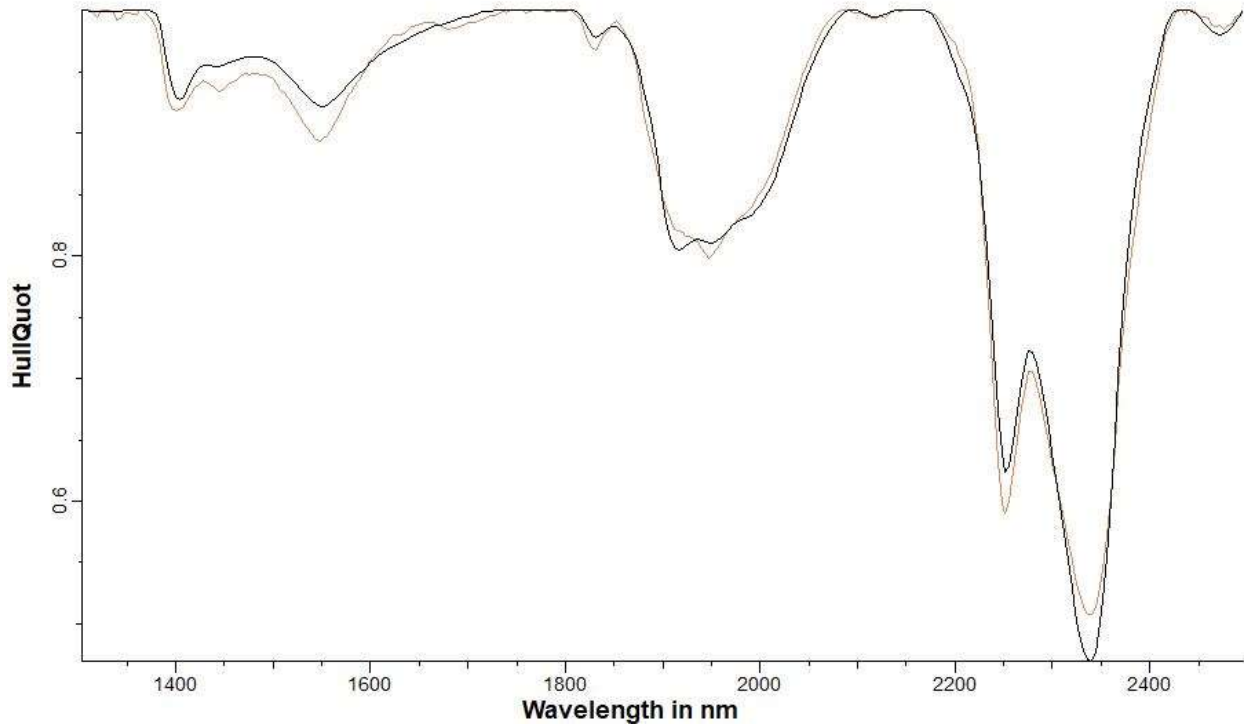
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Epidotic-Chloritic

Sample K479198y

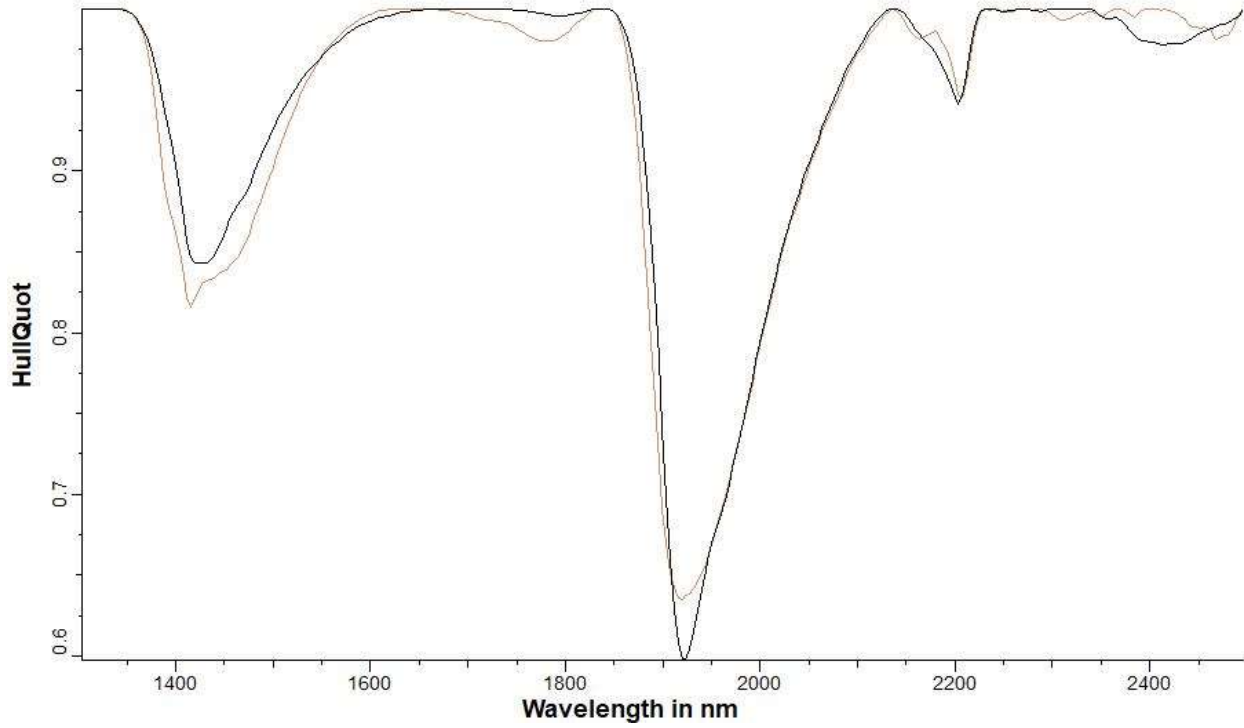
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Kaolinitic

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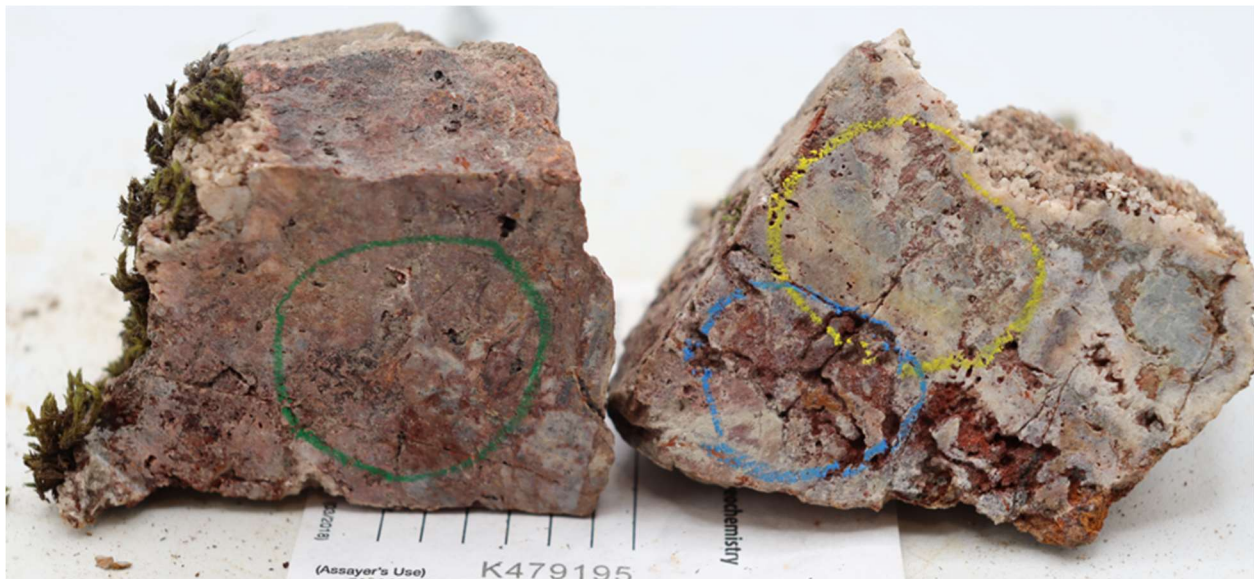
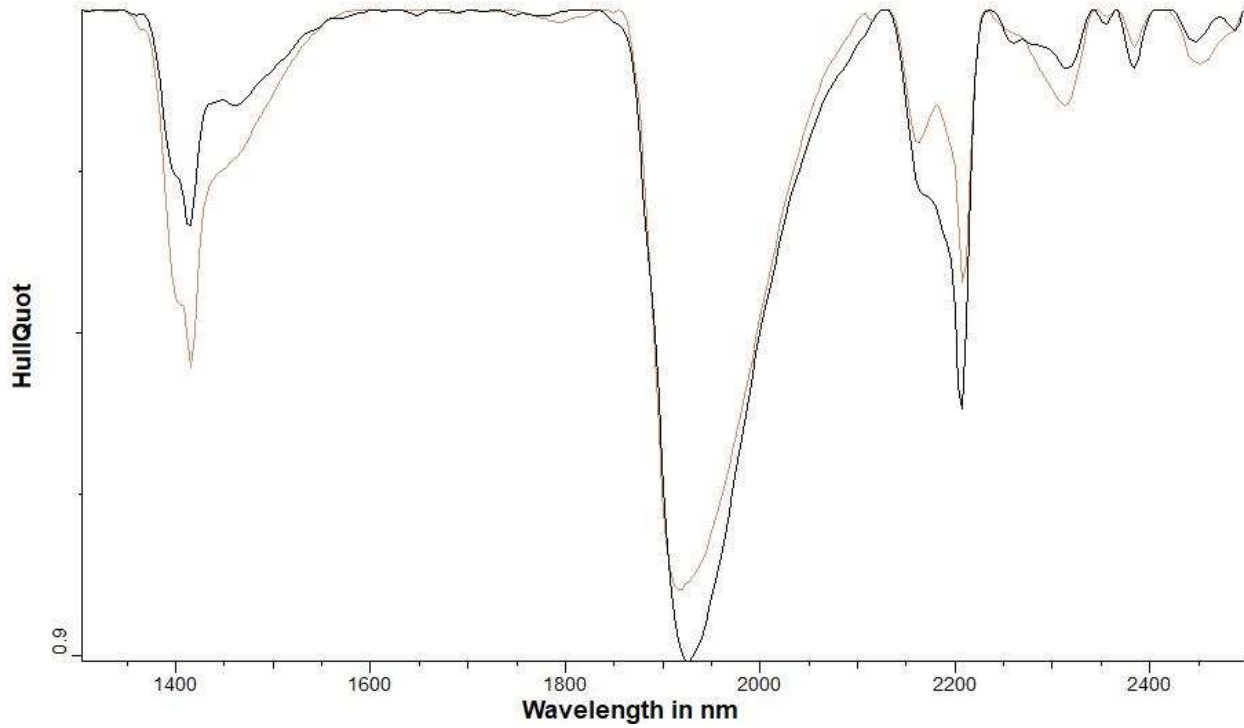
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Kaolinitic-Carbonatic

Sample K479195g

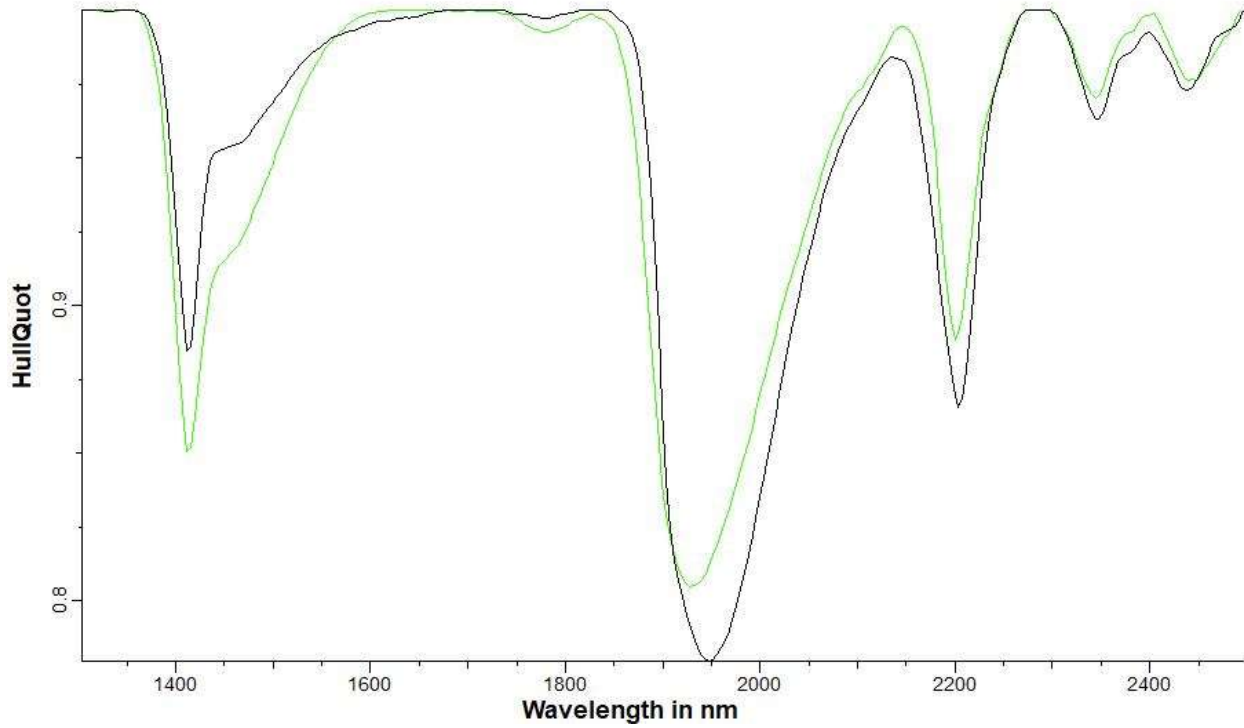
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Sericitic

Sample K479197g

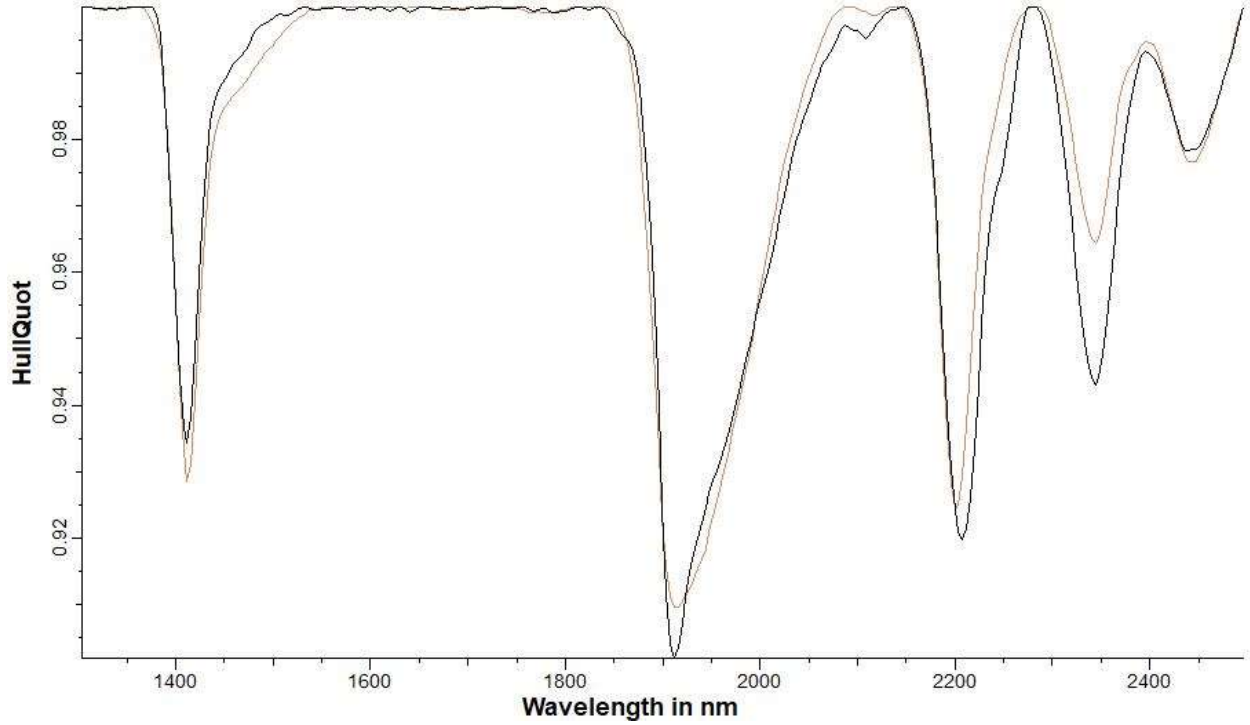
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Sericitic-Carbonatic

Sample K838309y

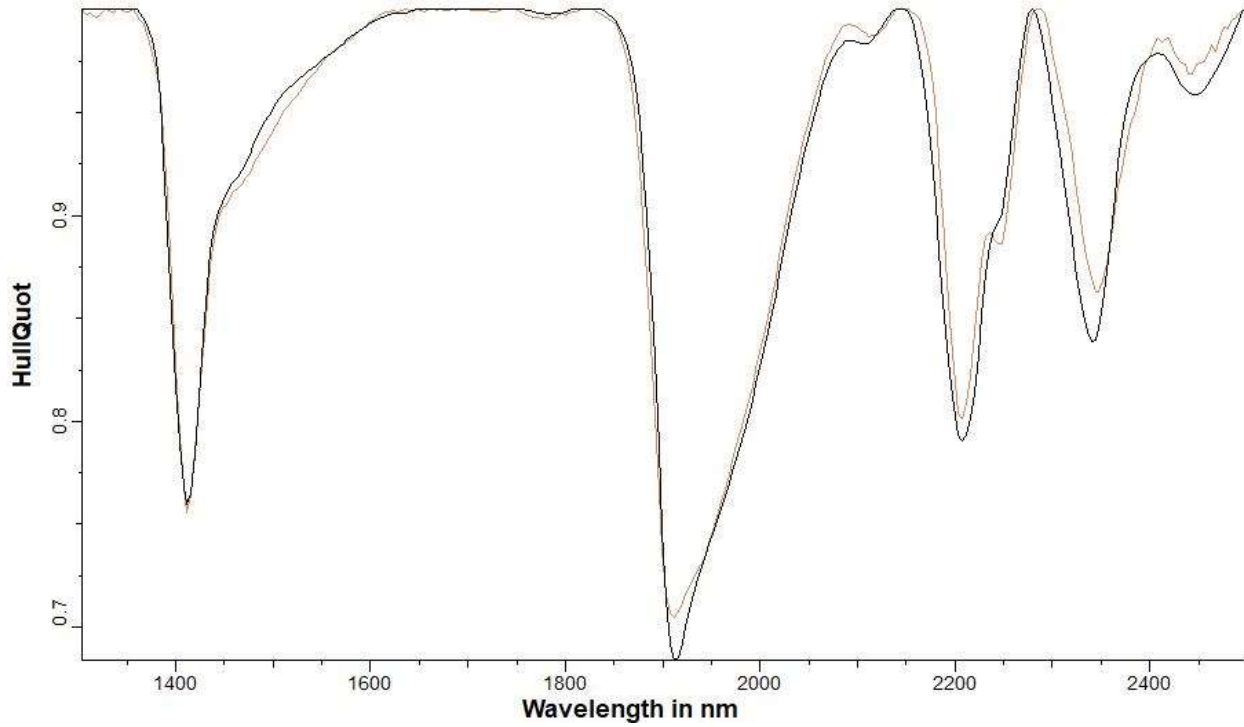
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Sericitic-Chloritic

Sample K479189y

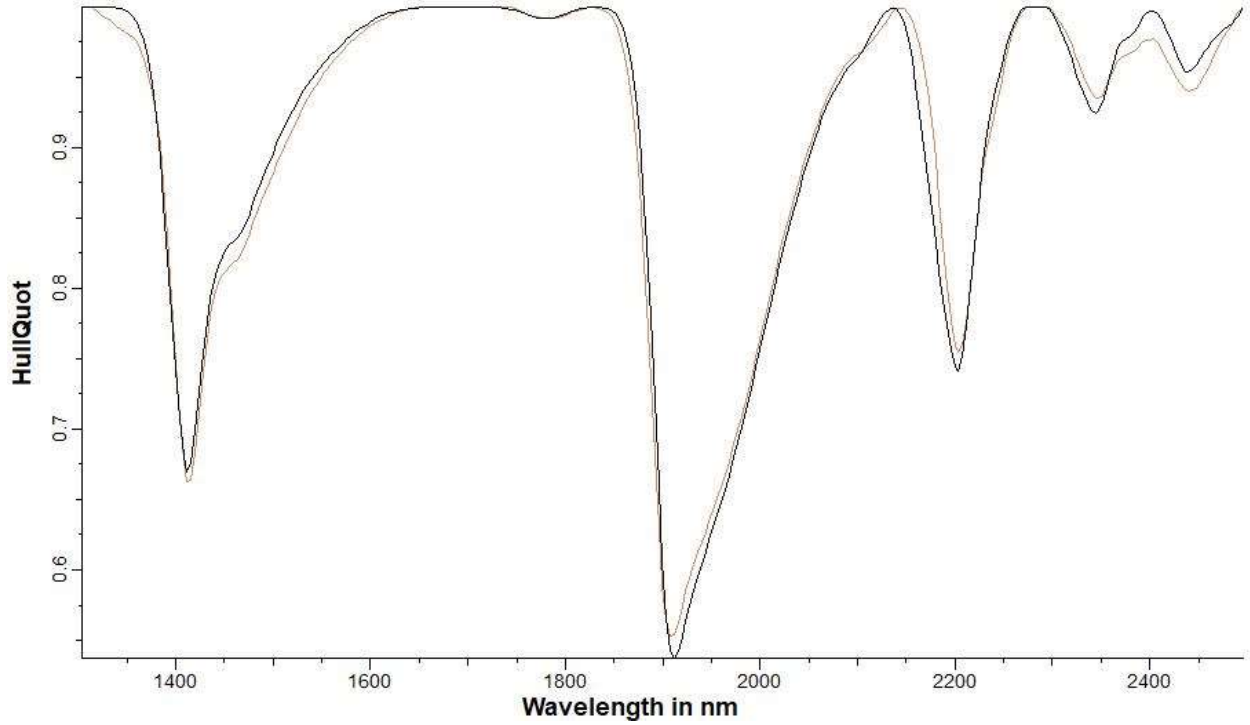
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Sericitic-Smectitic

Sample K838303y

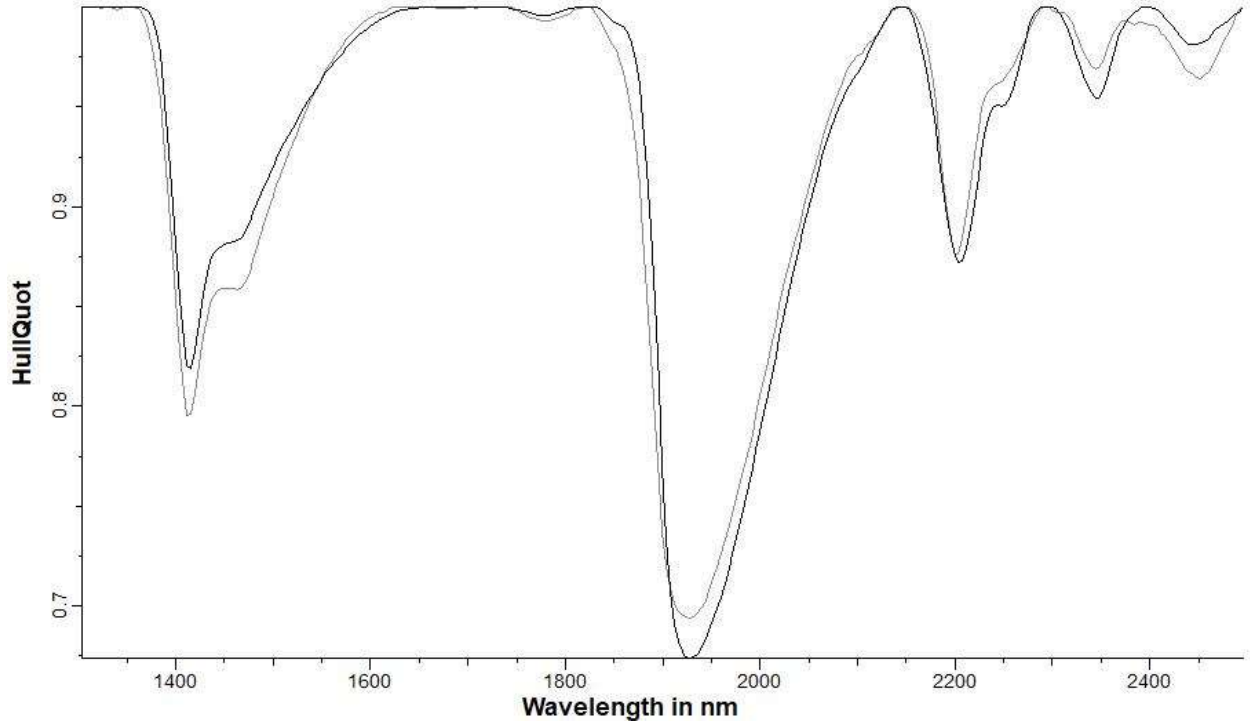
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Sericitic-Sulfatic

Sample K838155b

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APPENDIX B

SPECTRAL AND ASSAY DATA

