

**BC Geological Survey
Assessment Report
40741**



Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: \$10,861.15

AUTHOR(S): Darcy Vis SIGNATURE(S): Darcy Vis

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A YEAR OF WORK: 2022

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5953857/Oct 18, 2022

PROPERTY NAME: Cowichan

CLAIM NAME(S) (on which the work was done): 1079850, 1077986, 1079726, 1077344

1077380 1079727, 1077355, 1079707, 1077741, 1080905

COMMODITIES SOUGHT: Au, Ag, Cu, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092C064, 092C042

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:

304-286 Wilfert Road

Victoria BC V9C 0H6

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

1) Darcy Vis 2) _____

MAILING ADDRESS:

304-286 Wilfert Road

Victoria BC V9C 0H6

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

Bonanza Volcanics, Wrangellia, Quatsino, Parsons Bay, Karmutsen, Cowichan Thrust Belt, advanced argillic, skarn, epithermal,

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 32689, 17164, 00642, 02163, 22155, 15821

39563

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	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt	7 Samples	1079707, 1080905	\$3620.38
Rock	12 Samples	1079850, 1077986, 1079726, 1077344	\$7240.77
Other	_____	1077380 1079727, 1077355, 1077741	_____
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:	\$10861.15

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: VIS, DARCY BEREND (280031) **Submitter:** VIS, DARCY BEREND (280031)
Recorded: 2022/OCT/18 **Effective:** 2022/OCT/18
D/E Date: 2022/OCT/18

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: 5953857

Work Type: Technical Work
Technical Items: Geochemical, Geological, PAC Withdrawal (up to 30% of technical work required)

Work Start Date: 2021/OCT/25
Work Stop Date: 2022/OCT/02
Total Value of Work: \$ 10800.00
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	Submission Fee
1077344	GD	2020/JUL/18	2022/DEC/15	2023/OCT/01	290	21.25	\$ 106.12	\$ 0.00
1077355	GD2	2020/JUL/19	2022/DEC/15	2023/OCT/01	290	106.24	\$ 529.16	\$ 0.00
1077358	GD3	2020/JUL/19	2022/DEC/15	2023/OCT/01	290	42.49	\$ 211.65	\$ 0.00
1077380	GD4	2020/JUL/20	2022/DEC/15	2023/OCT/01	290	21.25	\$ 105.55	\$ 0.00
1077569	CHANCE	2020/JUL/25	2022/DEC/15	2023/OCT/01	290	42.49	\$ 208.17	\$ 0.00
1077582	C2	2020/JUL/26	2022/DEC/15	2023/OCT/01	290	42.49	\$ 207.60	\$ 0.00
1077605	GAMBLE	2020/JUL/26	2022/DEC/15	2023/OCT/01	290	21.24	\$ 103.76	\$ 0.00
1077607	GAMBLE2	2020/JUL/26	2022/DEC/15	2023/OCT/01	290	106.21	\$ 518.87	\$ 0.00
1077664	GAMBLE3	2020/JUL/29	2022/DEC/15	2023/OCT/01	290	21.24	\$ 102.92	\$ 0.00
1077741	MUCKAWAY	2020/AUG/03	2022/DEC/15	2023/OCT/01	290	63.74	\$ 304.45	\$ 0.00
1077742	PILLAR	2020/AUG/03	2022/DEC/15	2023/OCT/01	290	21.25	\$ 101.49	\$ 0.00
1077887	IVAN	2020/AUG/09	2022/DEC/15	2023/OCT/01	290	42.53	\$ 199.65	\$ 0.00

1077986	GAMBIT	2020/AUG/14	2022/DEC/15	2023/OCT/01	290	148.74	\$ 688.13	\$ 0.00
1078722	AM	2020/SEP/17	2022/DEC/15	2023/OCT/01	290	106.23	\$ 442.25	\$ 0.00
1079707	ARCHER3	2020/NOV/23	2022/DEC/15	2023/OCT/01	290	786.11	\$ 3122.91	\$ 0.00
1079708	ARCHER4	2020/NOV/23	2022/DEC/15	2023/OCT/01	290	191.20	\$ 759.56	\$ 0.00
1079722		2020/NOV/24	2022/DEC/15	2023/OCT/01	290	42.48	\$ 168.76	\$ 0.00
1079726		2020/NOV/24	2022/DEC/15	2023/OCT/01	290	42.50	\$ 168.83	\$ 0.00
1079727		2020/NOV/24	2022/DEC/15	2023/OCT/01	290	106.25	\$ 422.09	\$ 0.00
1079769		2020/NOV/26	2022/DEC/15	2023/OCT/01	290	85.00	\$ 337.67	\$ 0.00
1079770	NIXON	2020/NOV/26	2022/DEC/15	2023/OCT/01	290	85.03	\$ 337.81	\$ 0.00
1079823		2020/NOV/30	2022/DEC/15	2023/OCT/01	290	21.25	\$ 84.41	\$ 0.00
1079850		2020/DEC/02	2022/DEC/15	2023/OCT/01	290	63.74	\$ 253.21	\$ 0.00
1079851		2020/DEC/02	2022/DEC/15	2023/OCT/01	290	85.00	\$ 337.68	\$ 0.00
1079852	NESSY	2020/DEC/02	2022/DEC/15	2023/OCT/01	290	318.83	\$ 1266.60	\$ 0.00
1079853	VICTOR	2020/DEC/02	2022/DEC/15	2023/OCT/01	290	21.26	\$ 84.45	\$ 0.00
1079854	TIPTOP	2020/DEC/02	2022/DEC/15	2023/OCT/01	290	21.25	\$ 84.43	\$ 0.00
1079855		2020/DEC/02	2022/DEC/15	2023/OCT/01	290	63.77	\$ 253.32	\$ 0.00
1079869		2020/DEC/03	2022/DEC/15	2023/OCT/01	290	85.01	\$ 337.72	\$ 0.00
1079897		2020/DEC/04	2022/DEC/15	2023/OCT/01	290	42.52	\$ 168.92	\$ 0.00
1080905	GD05	2021/FEB/01	2022/DEC/15	2023/OCT/01	290	446.15	\$ 1772.36	\$ 0.00
1081620		2021/MAR/11	2022/DEC/15	2023/OCT/01	290	63.72	\$ 252.67	\$ 0.00
1084991	INTER ZONE	2021/OCT/25	2022/OCT/25	2023/OCT/01	341	106.26	\$ 496.35	\$ 0.00
1084993		2021/OCT/25	2022/OCT/25	2023/OCT/01	341	127.51	\$ 595.63	\$ 0.00

Financial Summary:

Total applied work value: \$ 15135.15

PAC name: Darcy Berend Vis
Debited PAC amount: \$ 4335.15
Credited PAC amount: \$ 0

Total Submission Fees: \$ 0.0

Total Paid: **\$ 0.0**

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ASSESSMENT REPORT
on the
COWICHAN PROPERTY 2022

Event Number: 5953857/Oct 18, 2022

Claims Worked On: 1079850, 1077986, 1079726, 1077344, 1077380
1079727, 1077355, 1079707, 1077741, 1080905

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.Geo.
January 2022

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1 INTRODUCTION

The Cowichan Lake Property is situated south of Cowichan Lake on Vancouver Island, BC, Canada. The property consists of 32 claims blocks totaling roughly 3378ha. Historic work included diamond drilling, rock sampling, and soil sampling mainly on the Archer and Gold Dyke claims. Darcy Vis staked the claims starting in July 2020 after reviewing the historic Assessment Reports which mention the existence of large gossanous areas. The first site visit was completed on August 31, 2021 and resulted in the discovery of large gossanous zones that contained clay-sericite-pyrite alteration within the Bonanza Volcanics. Further geochemical rock and silt sampling occurred in 2022 and is outlined in this report.

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.

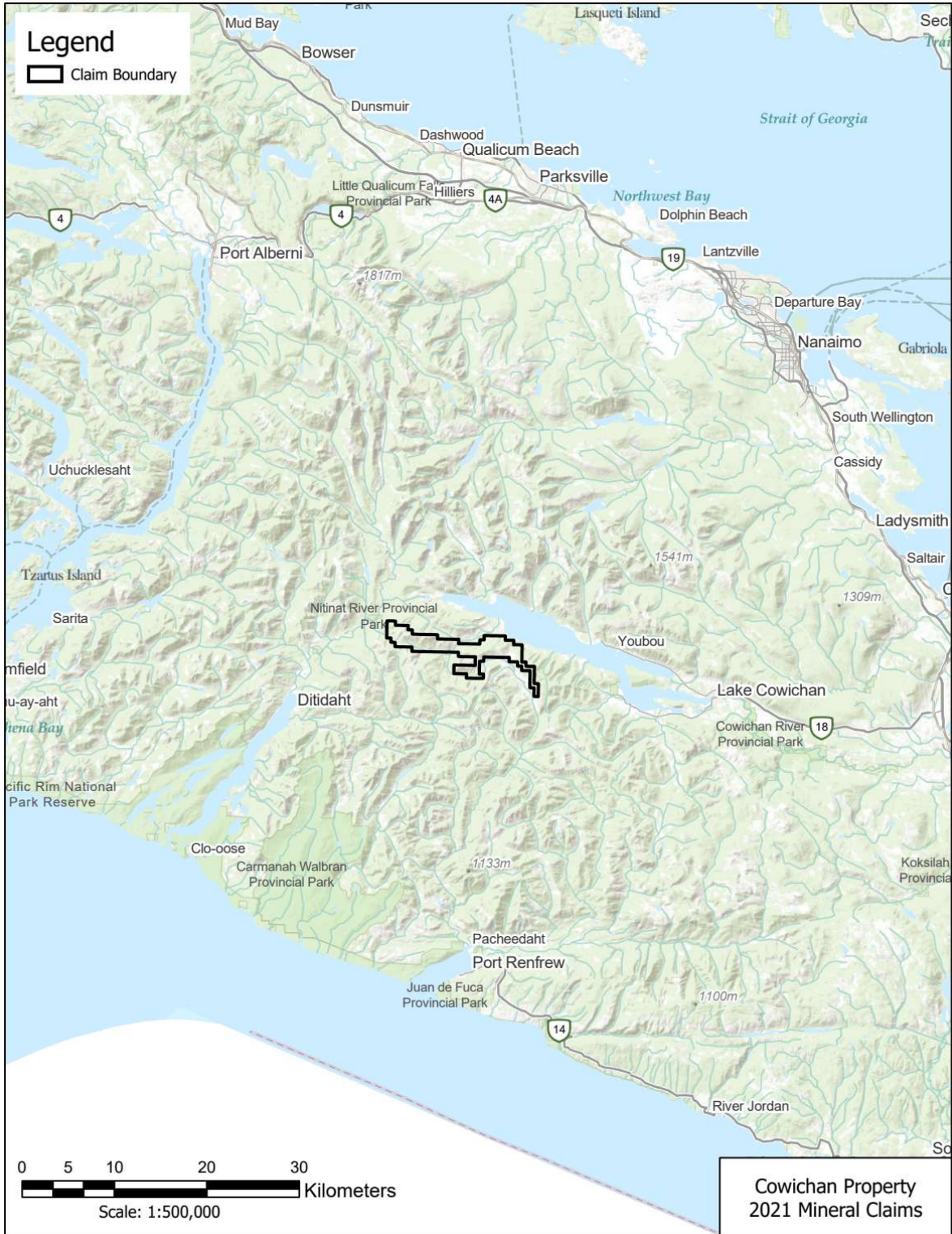


Figure 1. General location map of the property.

3 LAND TENURE AND CLAIM STATUS

The Cowichan Property is comprised of 32 claim blocks totaling 3505.98 hectares.

Table 1. Property claim list.

Title Number	Claim Name	Owner	Issue Date	Good To Date*	Status	Area (ha)
1077344	GD	280031 (100%)	2020/JUL/18	2023/OCT/01	GOOD	21.2482
1077355	GD2	280031 (100%)	2020/JUL/19	2023/OCT/01	GOOD	106.2414
1077358	GD3	280031 (100%)	2020/JUL/19	2023/OCT/01	GOOD	42.493
1077380	GD4	280031 (100%)	2020/JUL/20	2023/OCT/01	GOOD	21.2499
1077569	CHANCE	280031 (100%)	2020/JUL/25	2023/OCT/01	GOOD	42.4912
1077582	C2	280031 (100%)	2020/JUL/26	2023/OCT/01	GOOD	42.4931
1077605	GAMBLE	280031 (100%)	2020/JUL/26	2023/OCT/01	GOOD	21.2391
1077607	GAMBLE2	280031 (100%)	2020/JUL/26	2023/OCT/01	GOOD	106.2084
1077664	GAMBLE3	280031 (100%)	2020/JUL/29	2023/OCT/01	GOOD	21.2446
1077741	MUCKAWAY	280031 (100%)	2020/AUG/03	2023/OCT/01	GOOD	63.7398
1077742	PILLAR	280031 (100%)	2020/AUG/03	2023/OCT/01	GOOD	21.2482
1077887	IVAN	280031 (100%)	2020/AUG/09	2023/OCT/01	GOOD	42.5274
1077986	GAMBIT	280031 (100%)	2020/AUG/14	2023/OCT/01	GOOD	148.7352
1078722	AM	280031 (100%)	2020/SEP/17	2023/OCT/01	GOOD	106.2252
1079707	ARCHER3	280031 (100%)	2020/NOV/23	2023/OCT/01	GOOD	786.1116
1079708	ARCHER4	280031 (100%)	2020/NOV/23	2023/OCT/01	GOOD	191.1991
1079722		280031 (100%)	2020/NOV/24	2023/OCT/01	GOOD	42.48
1079726		280031 (100%)	2020/NOV/24	2023/OCT/01	GOOD	42.4998
1079727		280031 (100%)	2020/NOV/24	2023/OCT/01	GOOD	106.2497
1079769		280031 (100%)	2020/NOV/26	2023/OCT/01	GOOD	85.0009
1079770	NIXON	280031 (100%)	2020/NOV/26	2023/OCT/01	GOOD	85.0349
1079823		280031 (100%)	2020/NOV/30	2023/OCT/01	GOOD	21.2482
1079850		280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	63.7393
1079851		280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	85.0029
1079852	NESSY	280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	318.8333
1079853	VICTOR	280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	21.259
1079854	TIPTOP	280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	21.2543
1079855		280031 (100%)	2020/DEC/02	2023/OCT/01	GOOD	63.7668
1079869		280031 (100%)	2020/DEC/03	2023/OCT/01	GOOD	85.0114
1079897		280031 (100%)	2020/DEC/04	2023/OCT/01	GOOD	42.5215
1080905	GD05	280031 (100%)	2021/FEB/01	2023/OCT/01	GOOD	446.1463
1081620		280031 (100%)	2021/MAR/11	2023/OCT/01	GOOD	63.7249
1084991	INTER ZONE	280031 (100%)	2021/OCT/25	2023/OCT/01	GOOD	106.26
1094769		280031 (100%)	2022/MAR/31	2023/MAR/31	GOOD	21.25
Total Ha						3505.979

* Good to date pending government approval.

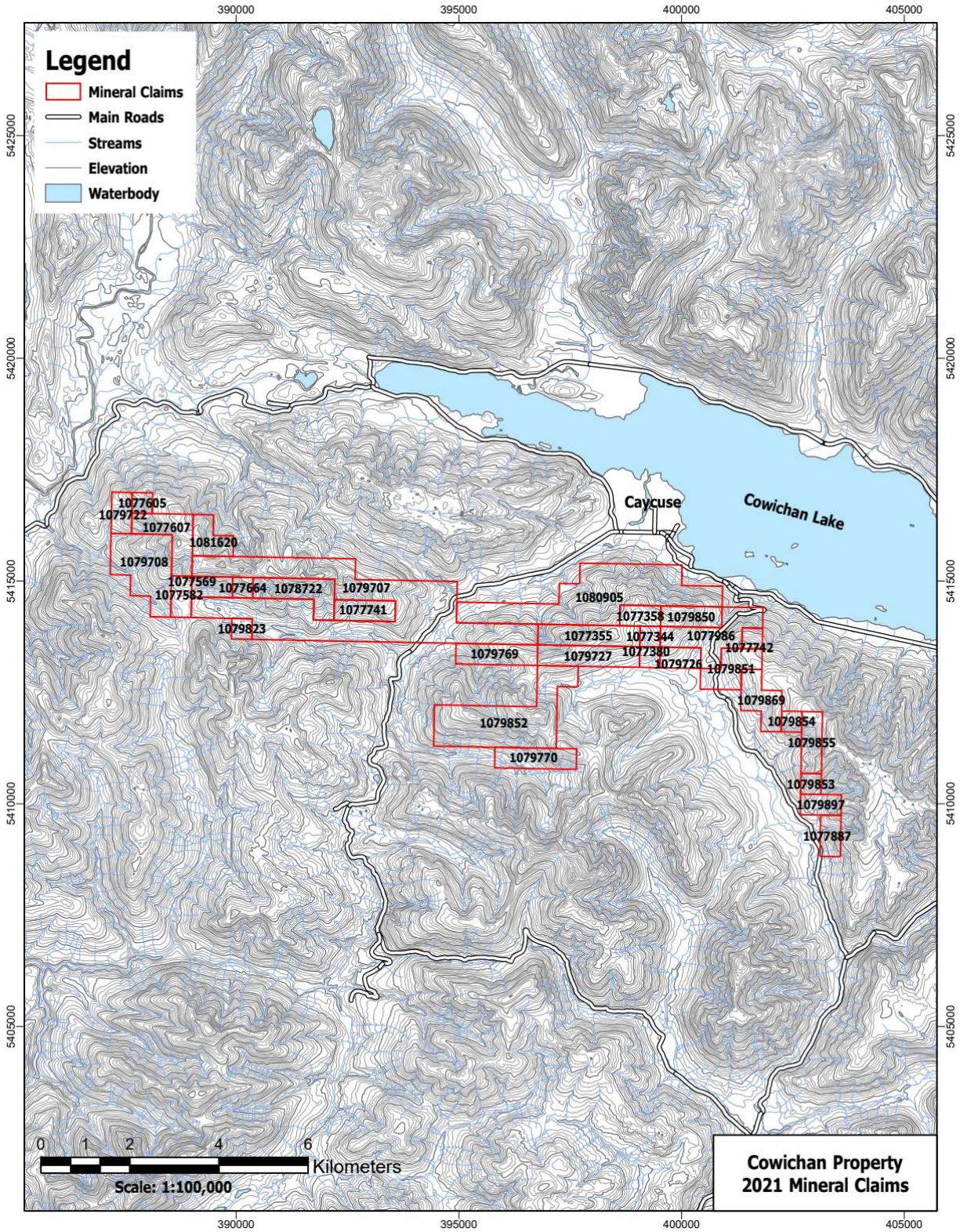


Figure 2. Property claim map.

4 EXPLORATION HISTORY

The Cowichan Lake property was first worked on in 1885 when three placer gold claims were staked along the northside of the Gordon River and worked between 1886-1889. In 1912 it is reported that gold and opal was found in the headwaters of the Gordon River (MINFILE 092C238). The Cowichan Lake 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 be approximately 27 meters long, with a bearing of roughly 110 degrees (Payne 1987), the adit has yet to be rediscovered.

In the mid-1960 a prospector named Wally Deans re-staked the Silver Leaf showing under the name of the May claims and carried out minor prospecting, no information is available (Payne 1987).

In 1964 Avallin Mines Ltd conducted a program of geological mapping and soiling sampling along Granite Creek. None of the soil sampling was completed on the Cowichan claims, however geological mapping was completed on the current claims north of Granite Creek. The mapping showed that the area was underlain by limestones, tuffs, fragmental volcanics, andesites and basaltic flows that had been intruded by granodiorite and feldspar porphyry plutons. High temperature chalcopyrite-magnetite replacements occurred within the limestones in proximity near 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 project over a large area west of Nixon Creek on their 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 Volcanics to the north, with Karmutsen Basalts to the south. Mineralization was found east of Granite Creek showing much pyrite with traces of chalcopyrite and molybdenum within the feldspar porphyry surface rocks (Malcolm 1969).

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 specimens 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 specimen 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 notes all of the rock exposed in the road cuts is "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, no locations were provided (Eastwood 1975).

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

In 1986 OrbeX Industries Inc re-staked the Silver Leaf Showing property, renaming it Gold Dyke, and carried out program of 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 meters. The soil sampling grid showed weak gold, silver, lead, and arsenic anomalies. Drilling intercepted altered pyritic, grey porphyritic volcanics and magnetic andesite. Within the altered volcanics two galena, sphalerite bearing quartz-carbonate veins were intercepted with widths of 3.4m and 6.48m respectively. Assays returned from the drilling showed intercepts of elevated gold, silver, lead, and zinc (Payne 1987).

Table 2. 1986 Drilling Collars (from Payne 1987)

Hole#	Latitude	Longitude	Elevation(m)	Total Depth(m)	Azimuth	Dip
213-1	100+06N	103+50E	695.70	92.40	180	-60
213-2	100+06N	103+50E	695.70	61.87	180	-45
213-3	100+25N	103+00E	685	57.30	180	-45
213-4	100+25N	103+00E	685	92.35	180	-60
213-5	100+12N	103+25E	690.49	122.83	180	-60

Table 3. 1986 Drilling Significant Intervals (from Payne 1987)

Hole#	From	To	Length(m)	Gold(ppb)	Silver(ppm)	Lead(ppm)	Zinc(ppm)
213-1	20	21	1	590	1.1	2081	5243
213-1	21	22	1	910	1.3	4491	7672
213-1	24	25	1	360	2.2	1994	6236
213-1	27	28	1	450	1.3	946	9054
213-1	86	87	1	3960	4.9	11183	40839
213-2	60	61	1	290	0.8	2434	8049
213-4	62	63	1	850	1.6	5257	1262
213-4	63	64	1	1250	2.0	4216	13877
213-4	64	65	1	960	3.8	10287	32735
213-4	65	66	1	1200	1.9	3873	12614
213-4	68	69	1	480	1.1	2446	8069
213-4	78	80.47	2.47	1389	2.0	14987	10404
213-5	80	81	1	65	1.1	1903	10384

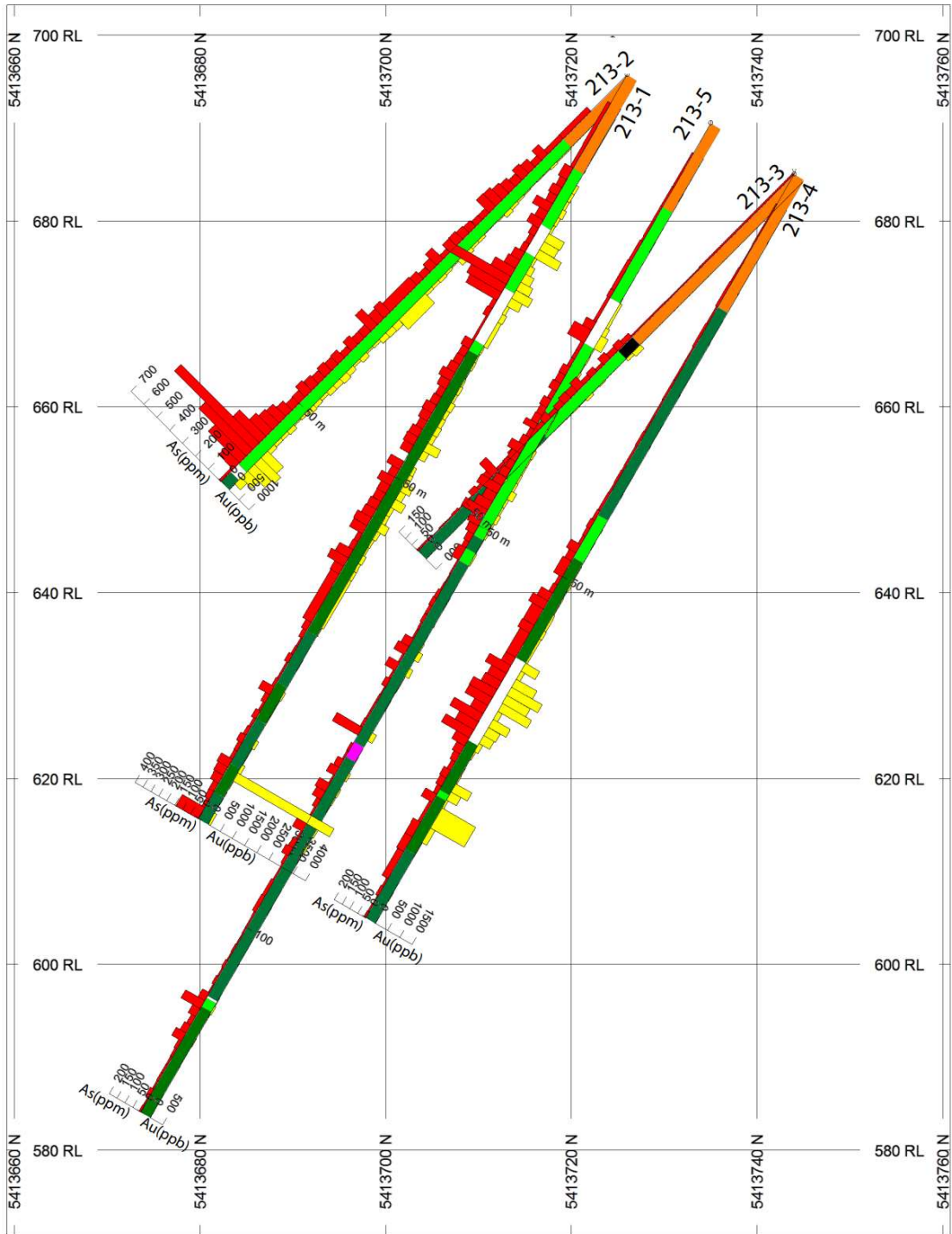


Figure 3. Drill Section from the 1986 Orbex Industries drilling on the Gold Dyke (data from Payne 1987).

In 1987 Nuspar Resources Ltd. completed geological mapping, trenching, and diamond drilling on their Archer I, Archer II, and TATTERS II mineral claims, known as the Mount Vernon mineral property, located just east of Granite Creek, and north of Raymond Creek. Five shallow EX sized drillholes were completed for a total of 113 meters and showed anomalous gold (up to 2ppm Au near surface in 87-1) and silver values. The geological mapping showed large alteration zones comprised of pyrite, hematite staining, and red soils over the Archer claims. Anomalous gold and silver values were intercepted within the drillholes and within rock chip samples collected along the road cuts (Fischl 1988). A news release dated November 5, 1987 stated that two 300lbs bulk samples were collected graded 0.39 oz/t gold, and a further ten 30lbs samples assayed between 0.014 to 0.061 oz/t gold (Nuspar Resources Ltd. 1987). A news release for Nuspar Resources Ltd. dated May 24, 1988 stated that up to 21 drillholes had been drilled, however the information for the further 16 holes has not been located, nor is available in publicly available assessment reports (Nuspar Resources Ltd. 1988).

Table 4. 1988 Drilling Collars (from Fischl 1988).

Hole#	Easting	Northing	Elevation(m)	Total Depth(m)	Azimuth	Dip
87-1	389680	5415034	726	44.8	000	-60
87-2	390010	5415039	786	15.24	286	-45
87-3	389540	5415032	732	32.0	015	-45
87-4	390070	5414903	716	9.15	045	-45
87-5	390050	5414932	716	12.2	045	-45

In 1991 RW Neil completed silt sampling up Raymond Creek on the Muckaway claims returning gold values ranging from 0.505 – 3.360ppm gold (Neil 1991).

In 1994 Arne Birkeland, a prospector, completed work on the Archer Claims as part of the Prospectors Assistance Program. Prospecting was completed on a 4km x 2km area on the south slope of Mount Vernon, as well as 60 soil samples, and 2 rock samples were collected. Soil sampling results range between 108 and 311ppm Copper with up to 60ppm Molybdenum (Birkeland 1994).

In 2011 Dean Arbic, a local prospector, collected 4 rock samples north of Raymond Creek and discovered zones of heavy gossan (Arbic 2011).

In 2021 Darcy Vis collected 28 rock samples and 8 soil samples over the property, the samples were sent for Assay along with some having Terraspec SWIR analysis. A series of gossanous surface zones were located (Vis 2021).

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).

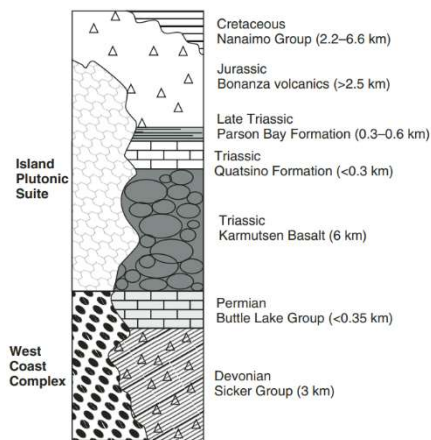


Figure 4. Stratigraphy for Wrangellia on Vancouver Island (figure copied from Canil et al. 2010)

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.

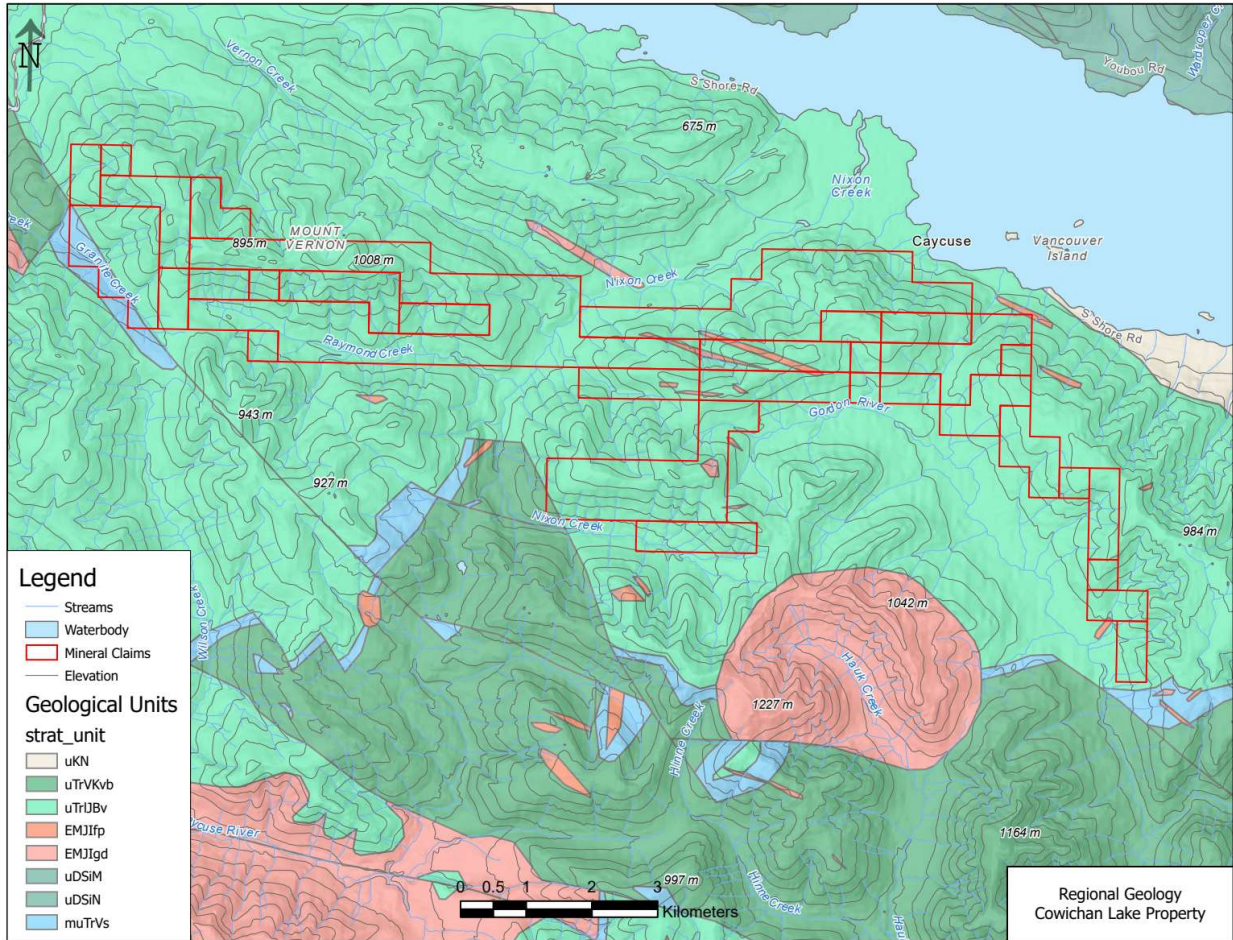


Figure 5. Regional Geology Map

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, Nassy, Gold Dyke West, Gold Dyke East, Pillar, and Ivan zones.

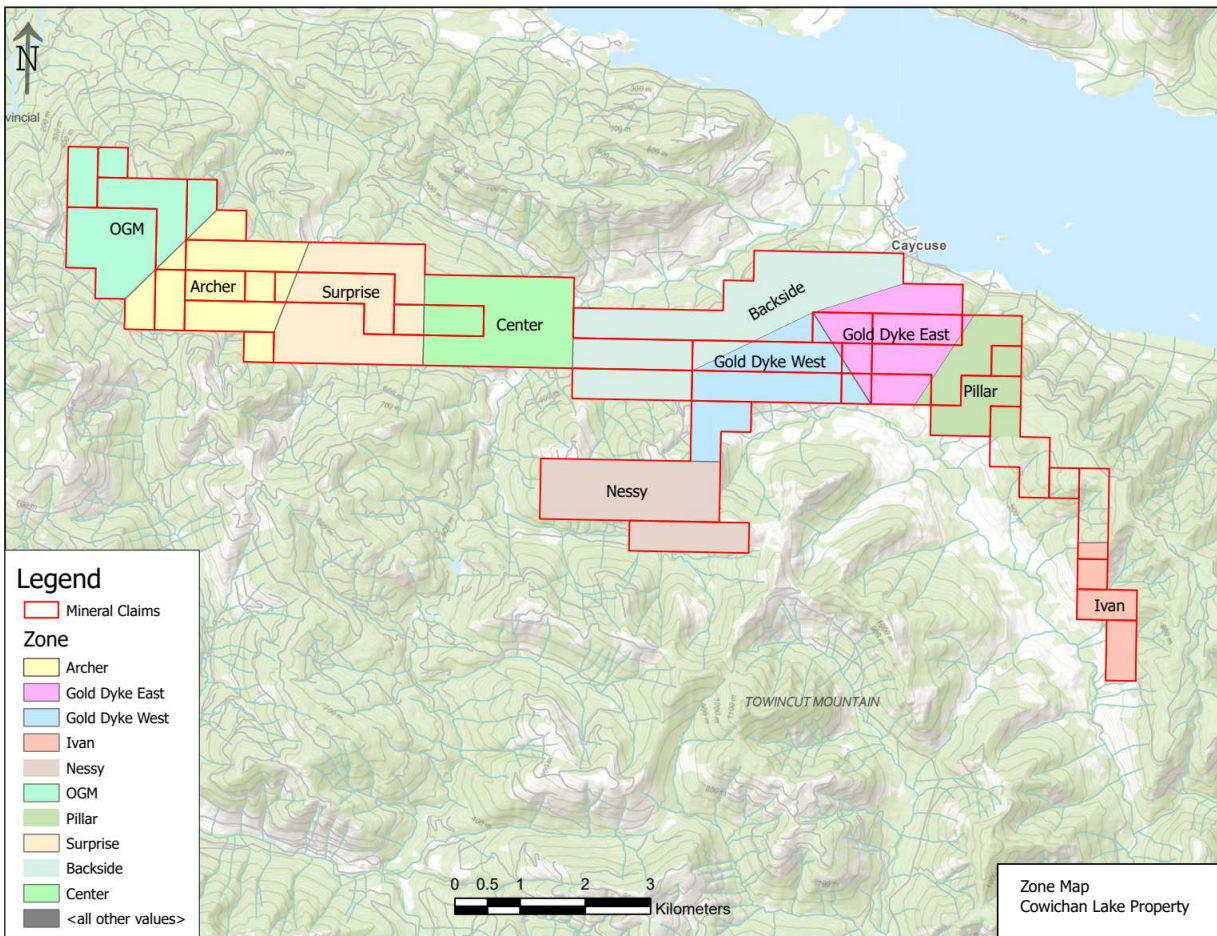


Figure 6. Cowichan Lake Zones

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.

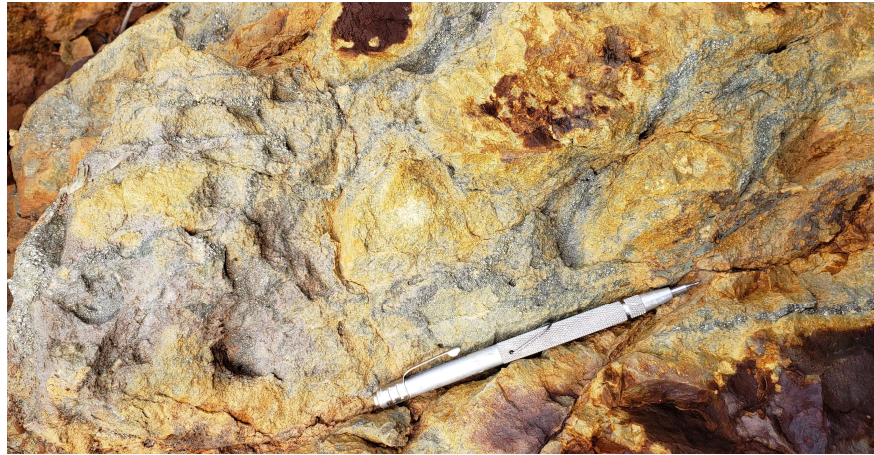


Figure 7. Pyrite stockwork on the Archer Zone

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

Nessy Zone

The Nessy Zone is located on the southern side of Caycuse Summit. The area has substantial cover but shows abundant red soils. A new road cut exposed three outcrops that were rusty in colour and showed stockwork quartz-carbonate veining and trace sulphides.

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, chalcopryrite, 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.

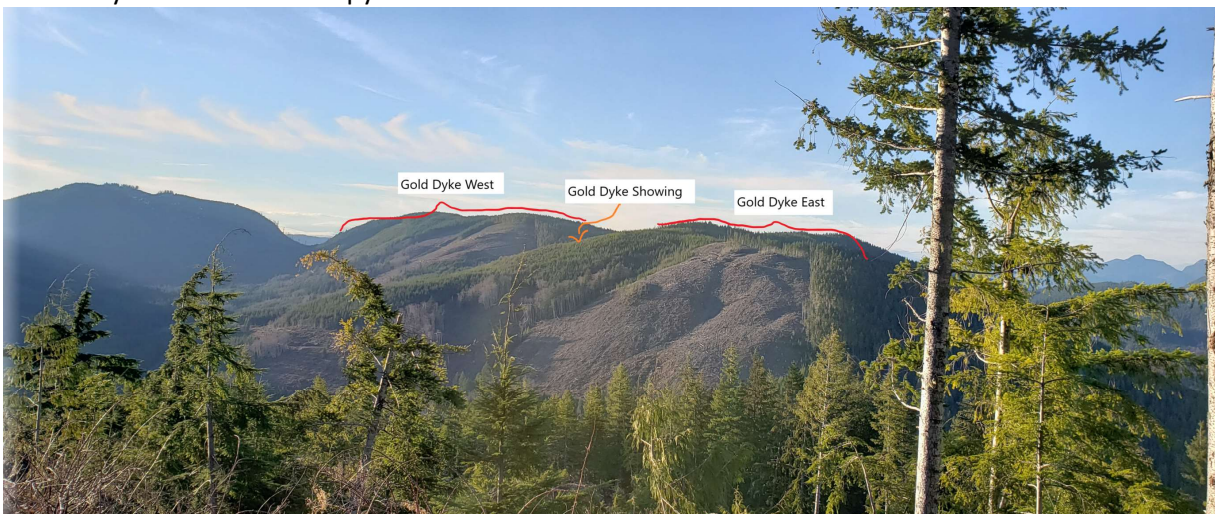


Figure 11. The Gold Dyke Zone (looking West from Pillar)



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 2021/2022 EXPLORATION PROGRAM

On October 23, 2021 Darcy Vis and Alfred Vis collected two rock samples over the Gold Dyke East zone. During sampling the 1986 Orbx Diamond Drill Pads, as well as the historic Gold Dyke adit, were located. On April 20, 2022 Darcy Vis and Michael Brinton collected 8 rock samples on the Gold Dyke East and West zones. On September 30, 2022 Darcy Vis and Alfred Vis collected 7 Silt Samples on the Creeks outflowing from Mt.Vernon, as well as 2 rock samples from the newly discovered Center Zone, a gossan on the southern slope of Mt.Vernon, above Raymond Creek.

7 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Rock Samples

Rock samples were collected from chips off outcrop and placed in clear plastic polyore bags, 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 a zip tie. When back from the field the bags were opened, the samples were cut using a rock saw, the samples were photographed, then they were repackaged and shipped to ALS Geochemistry in North Vancouver via Canada Post. The rock samples were prepped at ALS using PREP-31 and analyzed using Au-AA23 and ME-MS61.

Silt Samples

Silt was collected from sand bars using a plastic trowel 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, then

repackaged and shipped to ALS Geochemistry in North Vancouver via Canada Post. Due to the juvenile nature of the streams sampled not enough fine fraction was collected. The silts were pulverized using PREP-31, and analyzed using Aqua Regia code AuME-TL43.

8 PROGRAM RESULTS

In 2022 sampling focused mainly over the Gold Dyke East and West Zones, and Center Zone. A gossanous strip was located on the Center Zone and two rock samples were collected, one of quartz-carbonate vein material (W515673), and one of the immediate wall rock (W515674). The sample of the vein material showed elevated copper, with a notable absence of other base and precious metals. The wall rock material was the typical depleted clay altered volcanics as evidenced throughout the property. Five silt samples were collected with three on Raymond Creek, and Two on the creek north of Mount Vernon. The silt samples did not show any anomalous values.

A total of 10 rock samples were collected for assay over the Gold Dyke East and West Zone. Two samples were collected at the Gold Dyke adit, one of the vein material (W515914), one of the wallrock (W515913). The vein contained visible galena, pyrite, sphalerite and hosted anomalous gold, silver, lead, and zinc values. The wallrock material also hosted lower but still elevated gold, silver, and lead.

A further 8 outcrops were sampled on the Gold Dyke East (5 samples) and Gold Dyke West (3 samples) zones testing areas of visible clay hematite alteration. These samples show little to no precious and base metals, with weak iron (likely associated with pyrite), arsenic, and antimony anomalies, typical of the argillic alteration seen elsewhere on the property.

Two silt samples were collected along the north facing slope of the Gold Dyke Zone. Weakly elevated gold, copper, and zinc values were noted.

9 DISCUSSION AND CONCLUSIONS

The gossanous zone located on a logging road in the Center Zone was a pleasant surprise. The zone was approximately 150 metres wide, with a roughly E-W strike. In the center of the zone was a roughly 1m wide quartz vein that returned copper assays up to 1.10% (W515674). The anomaly is on strike of the Surprise Showing, which outcrops 1.2km to the west, and may be associated. Mapping points to the north of the zone shows a gradational contact with fresh unaltered volcanics. The five silt samples collected on the Central Zone showed weakly elevated Molybdenum values (up to 0.96ppm), but little else. The quartz-carbonate vein hosting gossanous zone shows promise to help crack the code on the association of quartz veining and alteration. Further work is recommended.

The Gold Dyke Adit was located and sampled proving the existence of the mineralized quartz-carbonate vein mined in the early 1900s, and intercepted by the 1986 Orbex Drilling. The vein is roughly 3m wide and appears to be brecciated in places with infill galena, sphalerite, and pyrite. The vein was measured with a dip/dip_direction of 175/60, and was associated with orange-clay-sericite-pyrite alteration in the immediate volcanoclastic wallrock. This proves the association of the veins with the alteration zone, and the potential for further veins to be located on the property. The adit itself was well hidden and due to the unsound nature of the adit roof no attempt was made to enter the workings.

Sampling along the Gold Dyke East zone shows relatively unaltered volcaniclastics along the base of the hill, with a gossanous zone located directly west of the Gold Dyke adit. No quartz veining was visible in outcrop, however the altered zone was quite weathered. It appears the gossan is limited to the higher topography of the slope, with narrow channels of gossan extending downslope. This could tie into the paleosurface/elevation of when the altering fluids were active.

Sampling along the Gold Dyke West zone showed similar rock types, and alteration patterns to the Gold Dyke East zone. The clay alteration intensified with increased elevation, with some alteration zones extending downslope, potentially due to structures.

On the backside of the hill the road was walked and two silt samples were collected. A road building blast pit was located and was comprised largely of unmineralized quartz veins in unaltered volcaniclastics of the Bonanza Formation. The silt sampling showed slightly elevated gold (up to 0.05ppm), antimony (up to 0.53ppm), arsenic (up to 15.2ppm), and silver (up to 0.11ppm). Cobbles in the streams were similar to the clay altered volcaniclastics on the Gold Dyke side of the mountain, meaning the alteration may extend to the northwest side of the ridge.

The Central zone presents a well-placed alteration zone that is cut perpendicular by a road cut. Further exploration of this zone is warranted and recommended to help define the association of the quartz-carbonate veining with alteration. The Gold Dyke zone continues to present as the best target on the property with known mineralization that matches with both surface investigation and historic drill logs. It appears the alteration has a preferential elevation (or possible bedding layer/lithology) that outcrops mid-slope of the Gold Dyke hill. Further sampling along elevation is recommended, with a particular focus on finding further quartz-carbonate veins.

10 RECOMMENDATIONS

Further exploration work is recommended on the property including:

- 1) Linear chip sampling along the Center Zone gossan with chips sent for assay, XRF, and SWIR analysis to determine the gradational alteration and mineralization surrounding the mineralized quartz-carbonate veins.
- 2) Soil sampling on Gold Dyke East and West utilizing different methods (conventional, Ah horizon, soil pH), to determine the most effective way to see through overburden.
- 3) Local scale alteration mapping using a SWIR ASD Device (Terraspec Halo).
- 4) Completing a tighter grid geomagnetic survey.

11 REFERENCES

- Arbic, D. (2011) Geochemical Sampling of Raymond Creek on Vancouver Island. BC Ministry of Energy and Mines, Assessment Report **32689**.
- Birkeland, A. (1994) 1994 Technical Report JAS and Archer Projects Vancouver Island, B.C. BC Ministry of Energy and Mines, Prospectors Report **1994-50**.
- Canil, D., Styan, J., Larocque, J., Bonnet, E., Kyba, J., (2010) Thickness and composition of the Bonanza arc crustal section, Vancouver Island, Canada. *Geol. Soc. Amer. Bull.*, 122, 1094-1105.
- Currie, L., and Grist, A.M., (1996) Diachronous low temperature Paleogene cooling of the Alberni Inlet area, southern Vancouver Island, British Columbia: Evidence from apatite fission track analyses: *Geological Survey of Canada Current Research*, v. 1996A, p. 119–125.
- Eastwood, G.E.P. (1975) RE: Showings on Claims of G.W. Horsman and Partners, Mt.Vernon. Geological Division, Mineral Resources Branch, Property File **PF005716**.
- England, T.D.J., and Calon, T.J., (1991) The Cowichan fold and thrust system, Vancouver Island, southwestern British Columbia: *Geological Society of America Bulletin*, v. 103, p. 336–362
- Fischl, P. (1988) Geological and Drilling Report on the Archer I&II and Tatters II Mineral Claims. BC Ministry of Energy and Mines, Assessment Report **17164**.
- Johnston, S.T., and Acton, S., (2003) The Eocene southern Vancouver Island orocline—A response to seamount accretion and the cause of fold-and-thrust belt and extensional basin formation: *Tectonophysics*, v. 365, p. 165–183
- Malcolm, D.C. (1965) Avallin Mines Limited Geological Report. BC Ministry of Energy and Mines, Assessment Report **00642**.
- Malcolm, D.C. (1969) Geological-Geochemical Report on the Tana Group. BC Ministry of Energy and Mines, Assessment Report **02163**.
- Mazzotti, S., Lambert, A., Courtier, N., Nykolaishen, L., and Dragert, H., (2007) Crustal uplift and sea level rise in northern Cascadia from GPS, absolute gravity, and tide gauge data: *Geophysical Research Letters*.
- Monger, J.W.H., (1997) Plate tectonics and northern Cordilleran geology: An unfinished revolution: *Geoscience Canada*, v. 24, p. 189–198
- Muller, J.E. (1977) Evolution of the Pacific Margin, Vancouver Island, and adjacent regions. *Can. J. Earth Sci.* 14. 2062-2085.
- Muller, J.E., Northcote, K.E., and Carlisle, D. (1974) Geology and mineral deposits of Alert Bay – Cape Scott map area, Vancouver Island, British Columbia. Geological Survey of Canada, Paper 74-8.
- Muller, J.E., (1983) Geology of Victoria: Geological Survey of Canada, Map 1553A.
- Neil, R.W. (1991) Stream Sediment Sampling and Assay Report on the Muckaway II. BC Ministry of Energy and Mines, Assessment Report **22155**.
- Nixon, G.H., and Orr, A.J., (2007) Recent revisions to the early Mesozoic stratigraphy of Vancouver Island and metallogenic implications, British Columbia, in *Geological Fieldwork 2006: British Columbia Ministry of Energy, Mines and Petroleum Resources*, Paper 2007-1, p. 163–177.

Nuspar Resources Ltd. News Release dated November 5, 1987. BC Ministry of Energy and Mines, Property File **PF902545**.

Nuspar Resources Ltd. News Release dated May 24, 1988. BC Ministry of Energy and Mines, Property File **PF006017**.

Paulson, B.D. (2010) Magmatic processes in the Jurassic Bonanza arc: insights from the Alberni region of Vancouver Island, Canada. WWU Graduate School Collection. 32.

Payne, C.W. (1987) 1986 Soil Geochemistry and Diamond Drilling Program Assessment Report. BC Ministry of Energy and Mines, Assessment Report **15821**.

Yorath, C.J., Green, A.G., Clowes, R.M., Sutherland Brown, A., Brandon, M.T., Kanasewich, E.R., Hyndman, R.D., and Spencer, C., (1985) Lithoprobe, southern Vancouver Island: Seismic reflection sees through Wrangellia to the Juan de Fuca plate: *Geology*, v. 13, p. 759–762.

APPENDIX A

STATEMENT OF EXPENDITURES

2022 Cowichan Property Statement of Costs

Project Planning

Personnel (Name)	Hours	Rate	Subtotal*
Darcy Vis	6	\$75.00	\$450.00
			\$450.00

Field Work

Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*
Darcy Vis/Geologist	Oct 23, 2021/April 19, 2022/Oct 2, 2022	3	\$750.00	\$2,250.00
Alfred Vis/Field Assistant	2021-10-23, October 2, 2022	2	\$550.00	\$1,100.00
Michael Brinton/Geologist	2022-04-19	1	\$750.00	\$750.00
				\$4,100.00

Post Field Cleanup

Personnel (Name)	Hours	Rate	Subtotal*
Darcy Vis	5	\$75.00	\$375.00
			\$375.00

Office Studies

Personnel (Name)	Hours	Rate	Subtotal*
General Research	15	\$75.00	\$1,125.00
Report Preparation	30	\$75.00	\$2,250.00
			\$3,375.00

Geochemical Surveying

Number of Samples	No.	Rate	Subtotal
Silt Samples (includes GST)	7.0	\$62.51	\$437.55
Rock Samples (includes GST)	12.0	\$68.86	\$826.33
			\$1,263.88

Transportation

	Subtotal
Truck Mileage	\$492.27
\$492.27	

Accommodation & Food

Meals (\$40/day/person)	\$240.00
\$240.00	

Equipment Rentals

Electric Bikes	\$420.00
\$420.00	

Shipping

Shipping	\$45.00
\$45.00	

Supplies

Consumable supplies (includes GST)	\$100.00
\$100.00	

TOTAL Expenditures

\$10,861.15

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 2022", relating to the Cowichan Property;
- 2) At the time of writing this report I am the claim holder of the Cowichan Claims;
- 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 have been involved in the mineral exploration of gold, silver, copper, and nickel in Canada and the United States since 2010; and
- 6) 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 January 18, 2023.



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

APPENDIX C

SAMPLE DETAIL TABLES

SiteID	SampleID	Zone	Date	Northing	Easting	Lithology	Structure	Dip_Dir	Dip	Description
DV062	W515913	Gold Dyke	2021-10-23	5413811	399195.2	Tuff	Vein	175	60	Outcrop. Adit Location. Large quartz vein (~3m wide) with galena/pyrite/sphalerite mineralization cutting through Tuff. Silica alteration near vein, with orange clay-sericite-pyrite alteration in wallrock. Wallrock sampled.
DV062	W515914	Gold Dyke	2021-10-23	5413811	399195.2	Tuff				Outcrop. Adit Location. Large quartz vein (~3m wide) with galena/pyrite/sphalerite mineralization cutting through Tuff. Silica alteration near vein, with orange clay-sericite-pyrite alteration in wallrock. Wallrock sampled.
DV063	D330653	Gold Dyke	2022-04-19	5413960	400300.9	Andesite				Light orange str clay alt feldspar phyrlic andesite. fresh surface is light Grey. 2% diss pyrite. fractured rubbly oc. bright orange weathered soil.
DV064		Gold Dyke	2022-04-19	5413996	400163.9	Tuff				unaltered Fragmental lapilli tuff no visible alt or sulph
DV065		Gold Dyke	2022-04-19	5413898	400058.3	Tuff				Weakly chl alt lapilli tuff outcrop
DV066		Gold Dyke	2022-04-19	5413425	400080	Tuff				light orange clay alt lapilli tuff with diss pyrite fractured possible shear zone
DV067	D330655	Gold Dyke	2022-04-19	5413469	400113.4	Tuff				milky white qrtz vein within silica alt lapilli tuff. qrtz veining is banded with milky and chalcedony. contains galena
22MB001		Gold Dyke	2022-04-19	5413607	400095.3	Tuff	Shear	336	89	lapilli-crystal tuff, 1-3mm scale, lapilli altered to epidote; 0.5% fg dis py. weathers rusty and
22MB002		Gold Dyke	2022-04-19	5413801	400231.4	Tuff	Shear	183	81	lapilli-crystal tuff with multiple weathered rusty shears.
22MB004	D330651	Gold Dyke	2022-04-19	5413928	400296	Tuff	Shear	160	88	Crystal-lapilli tuff cut by 15cm vuggy, banded, breccia-fill quartz veining with weathered clasts of host and weathered bands of vfg py. Py also occurs as vfg disseminations
22MB005	D330652	Gold Dyke	2022-04-19	5413943	400294.9	Tuff	Dyke	226	63	copy from 21-MB-S-004
22MB006		Gold Dyke	2022-04-19	5413984	400215.2	Tuff	Vein	291	58	m.g. crystal tuff with 3-5mm lapillis strongly altered to epidote. Groundmass is maroon.
22MB007		Gold Dyke	2022-04-19	5413994	400157	Tuff	Shear	305	72	grey-green crystal-lapilli tuff with minor kpar; forms resistive band along slope
22MB008		Gold Dyke	2022-04-19	5413879	400014.9	Tuff				grey crystal-lapilli tuff, weathers light grey; forms resistive band along slope
22MB009	D330654	Gold Dyke	2022-04-19	5413447	400087	Tuff				Intensely clay altered crystal tuff with 5% f.g. diss. py; 2 m wide zone. Deep red gossanous weathering on surface
22MB010		Gold Dyke	2022-04-19	5413453	399117.4	Tuff				Crystal tuff, crowded crystal fragments
22MB011		Gold Dyke	2022-04-19	5413435	399063.9	Tuff				Crystal tuff, crowded crystal fragments
22MB012		Gold Dyke	2022-04-19	5413430	398947.8	Tuff				crystal-tuff cut by 2m wide f.g. intrusive dyke; host experiences strong fracturing and parallel shearing with moderate FeOx radiating from intrusive
22MB013	D330656	Gold Dyke	2022-04-19	5413413	398885.4	Tuff				Crystal tuff cut by a narrow (1-5cm wide) undulating quartz vein exhibiting comb texture, banding, and minor brecciation though mostly rotten; minor epidotization of fragments in host and minor dis py. Host is solidified along vein boundary
22MB014	D330657	Gold Dyke	2022-04-19	5413389	398807.9	Tuff				Amygdaloidal crystal tuff with multiple rotten, strongly FeOx shears filled with vuggy, weathering quartz breccia.
22MB015	D330658	Gold Dyke	2022-04-19	5413759	398674	Tuff				Intensely clay-silica altered crystal tuff with trace f.g. dis. py; rare relic crystals replaced by clay. Bands of silica flooding and highly friable clay alteration shear-hosted(?)
DV069	W515673	Center	2022-09-30	5414409	392787.9	Tuff				Heavily gossan alt tuff with cly/py/silica alt, fryable
DV070	W515674	Center	2022-09-30	5414410	392787.9	Tuff				Heavily gossan alt tuff with cly/py/silica alt, fryable
DV071		Center	2022-09-30	5414918	392583.6	Tuff				Fresh crytal lithic tuff, not alt.
DV072		Center	2022-09-30	5414797	392455	Tuff				Siliceous fresh blocky tuff

SiteID	SampleID	Easting	Northing	Type
S001	W515915	393294.8	5413659	Silt Sample
S002	W515916	393217.8	5413732	Silt Sample
S003	W515917	393106.8	5413760	Silt Sample
S004	W515918	394947.8	5414720	Silt Sample
S005	W515919	394904.6	5414755	Silt Sample
S006	W515920	398342.6	5415373	Silt Sample
S007	W515921	397630.6	5414903	Silt Sample

APPENDIX D

ASSAY CERTIFICATES



ALS Canada Ltd.
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To: VIS, DARCY
 304-286 WILFERT ROAD
 VICTORIA BC V9C 0H6

Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-DEC-2022
 This copy reported on 6-JAN-2023
 Account: DARCVI

CERTIFICATE VA22290217

Project: Cowichan

This report is for 2 samples of Rock submitted to our lab in Vancouver, BC, Canada on 6-OCT-2022.

The following have access to data associated with this certificate:

DARCY VIS		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing 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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
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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 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-DEC-2022
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22290217

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	
		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
W515673		1.16	0.014	3.71	9.46	15.7	230	0.94	0.76	1.98	0.02	27.2	85.1	4	0.77	>10000
W515674		0.98	<0.005	0.18	6.24	8.7	140	0.63	0.31	0.32	<0.02	4.67	8.9	11	0.46	193.0

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



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 Finalized Date: 13-DEC-2022
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS	VA22290217
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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			
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	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
W515673					9.99	18.45	0.28	1.0	0.245	1.12	9.8	8.9	2.31	513	3.51	2.99	5.7	4.8	1720
W515674					6.42	10.10	0.16	1.8	0.013	0.70	2.1	3.8	0.84	183	4.61	2.97	5.1	1.6	730

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



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-DEC-2022
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22290217

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
W515673		2.7	17.8	0.003	8.28	0.75	17.2	29	2.1	355	0.31	1.84	2.00	0.477	0.14	0.6
W515674		1.5	22.6	0.003	1.15	0.34	16.0	8	0.9	172.5	0.30	0.84	2.78	0.245	0.10	0.9

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



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 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-DEC-2022
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22290217

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Cu-OG62
		V	W	Y	Zn	Zr	Cu
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
W515673		177	0.7	19.0	47	32.0	1.105
W515674		118	0.5	6.6	19	69.3	



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 13-DEC-2022
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22290217

	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> <td style="width: 15%;"></td> </tr> <tr> <td>DISP-01</td> <td>LOG-21</td> <td>ME-MS61</td> <td></td> <td>Cu-OG62</td> </tr> <tr> <td>PUL-31</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td>ME-OG62</td> </tr> </table>	Au-AA23	CRU-31	CRU-QC			DISP-01	LOG-21	ME-MS61		Cu-OG62	PUL-31	SPL-21	WEI-21		ME-OG62
Au-AA23	CRU-31	CRU-QC														
DISP-01	LOG-21	ME-MS61		Cu-OG62												
PUL-31	SPL-21	WEI-21		ME-OG62												



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To: **TRIPPOINT GEOLOGICAL SERVICES**
1460 JACKSON DRIVE
COMOX BC V9M 4E5

Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
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 This copy reported on
 25-MAY-2022
 Account: TRIPGEO

CERTIFICATE VA22107309

Project: Cowichan
 P.O. No.: COW-002
 This report is for 8 samples of Rock submitted to our lab in Vancouver, BC, Canada on 26-APR-2022.
 The following have access to data associated with this certificate:
 DARC Y VIS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
DISP-01	Disposal of all sample fractions
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

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

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

Signature: 
 Saa Traxler, Director, North Vancouver Operations



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To: **TRIPPOINT GEOLOGICAL SERVICES**
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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 19-MAY-2022
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22107309

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	
		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
D330651		1.16	0.007	0.03	1.39	2.9	80	0.38	0.03	0.11	0.40	35.6	9.0	30	0.37	28.3
D330652		0.84	<0.005	0.06	10.75	9.4	450	0.81	0.03	0.12	0.09	15.85	23.3	5	2.37	40.6
D330653		1.36	<0.005	0.06	9.97	11.9	720	0.58	0.18	0.25	0.50	39.6	4.0	5	0.87	31.4
D330654		1.00	<0.005	0.10	9.90	26.5	300	0.79	0.12	0.73	0.16	26.4	16.9	10	2.42	34.5
D330655		1.24	<0.005	0.17	2.29	10.8	1280	0.28	0.01	15.65	5.01	13.50	8.1	9	0.42	42.2
D330656		0.90	<0.005	0.10	8.99	23.9	510	0.85	0.11	3.35	0.61	29.7	23.6	10	0.44	39.0
D330657		0.98	0.013	0.32	9.41	21.1	360	0.91	<0.01	1.07	0.04	30.3	14.5	6	0.50	20.0
D330658		0.98	<0.005	0.07	7.68	2.0	110	0.21	0.01	0.18	0.07	24.1	0.7	11	0.08	22.1

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



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 Plus Appendix Pages
 Finalized Date: 19-MAY-2022
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS	VA22107309
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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units LOD	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	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
D330651		2.00	2.78	0.06	0.2	0.017	0.11	5.9	21.0	0.57	2800	3.72	0.01	0.7	3.5	250
D330652		6.92	21.2	0.09	2.1	0.067	2.46	6.6	12.3	0.62	397	3.29	0.85	6.4	3.4	930
D330653		6.97	19.30	0.09	3.4	0.074	1.37	22.3	10.8	0.81	151	2.06	2.29	9.4	1.0	1030
D330654		8.52	18.80	0.10	1.1	0.087	1.81	11.7	9.0	1.09	552	0.98	4.06	5.4	5.8	1090
D330655		3.40	3.63	0.07	0.4	0.051	0.43	6.6	19.8	1.77	2040	1.38	0.03	1.2	2.8	310
D330656		7.15	17.60	0.10	1.7	0.080	0.92	13.5	15.9	2.42	1415	0.70	3.26	6.2	6.5	1640
D330657		6.63	18.90	0.12	1.5	0.042	1.23	12.6	15.4	2.22	1155	0.69	3.86	6.5	3.2	1740
D330658		1.23	21.8	0.08	0.9	0.009	1.55	16.0	6.8	0.02	31	5.38	0.69	8.1	0.7	1110

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



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 Finalized Date: 19-MAY-2022
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22107309

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
D330651		8.8	4.6	<0.002	0.06	1.80	5.7	<1	0.2	9.5	<0.05	<0.05	0.41	0.048	0.05	0.3
D330652		17.3	39.7	<0.002	0.08	0.61	21.5	1	0.8	81.5	0.33	<0.05	1.28	0.621	0.33	0.9
D330653		16.2	36.2	<0.002	0.89	0.58	25.2	1	1.1	196.0	0.51	1.42	4.38	0.569	0.20	1.6
D330654		10.1	58.7	<0.002	4.94	0.76	30.2	3	0.9	351	0.26	1.41	1.23	0.700	0.48	0.7
D330655		40.6	12.7	<0.002	0.29	18.45	6.2	1	0.3	216	0.06	<0.05	0.50	0.125	0.11	0.2
D330656		9.1	9.6	<0.002	1.33	0.75	25.7	<1	0.9	679	0.33	0.16	2.07	0.614	0.11	0.9
D330657		14.9	30.8	<0.002	0.15	1.45	19.0	<1	0.7	510	0.34	<0.05	2.24	0.542	0.24	0.8
D330658		4.6	2.3	<0.002	4.39	0.19	6.1	1	0.5	941	0.39	<0.05	1.93	0.635	<0.02	0.4



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1460 JACKSON DRIVE
COMOX BC V9M 4E5

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 19-MAY-2022
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22107309

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
D330651		31	0.4	6.7	224	9.9
D330652		276	0.5	12.6	108	80.0
D330653		247	0.5	15.8	342	135.0
D330654		301	1.1	13.4	109	35.3
D330655		79	0.2	16.4	250	12.5
D330656		274	0.4	21.4	124	61.8
D330657		214	0.4	16.7	94	44.1
D330658		242	0.4	1.4	23	32.8



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 19-MAY-2022
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22107309

	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> <td style="width: 15%;">DISP-01</td> </tr> <tr> <td>LOG-21</td> <td>LOG-24</td> <td>ME-MS61</td> <td></td> <td>PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	Au-AA23	CRU-31	CRU-QC		DISP-01	LOG-21	LOG-24	ME-MS61		PUL-31	PUL-QC	SPL-21	WEI-21		
Au-AA23	CRU-31	CRU-QC		DISP-01												
LOG-21	LOG-24	ME-MS61		PUL-31												
PUL-QC	SPL-21	WEI-21														



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Page: 1
 Total # Pages: 2 (A - D)
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 Finalized Date: 22-DEC-2021
 This copy reported on
 23-DEC-2021
 Account: TRIPGEO

CERTIFICATE VA21294373

Project: Cowichan
 P.O. No.: COW-001
 This report is for 2 samples of Rock submitted to our lab in Vancouver, BC, Canada on 29-OCT-2021.
 The following have access to data associated with this certificate:
 DARCY VIS

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
DISP-01	Disposal of all sample fractions
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

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

Signature: 
 Saa Traxler, General Manager, North Vancouver



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

To: TRIPPOINT GEOLOGICAL SERVICES
 1460 JACKSON DRIVE
 COMOX BC V9M 4E5

Page: 2 - A
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 Plus Appendix Pages
 Finalized Date: 22-DEC-2021
 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA21294373

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
W515913		1.44	0.072	0.55	0.34	32.7	230	0.11	0.09	0.07	2.38	15.15	0.3	34	0.11	167.0
W515914		1.50	0.215	4.16	0.48	72.2	600	0.11	0.85	1.83	243	55.2	0.9	28	0.16	387

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



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To: TRIPPOINT GEOLOGICAL SERVICES
 1460 JACKSON DRIVE
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 Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA21294373

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
W515913		0.53	0.52	0.21	<0.1	0.009	0.05	7.0	24.4	0.01	51	3.77	0.01	0.1	2.0	30
W515914		1.25	1.63	0.16	<0.1	0.085	0.07	29.3	18.4	0.33	1340	4.32	0.02	0.2	1.6	100

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Project: Cowichan

CERTIFICATE OF ANALYSIS VA21294373

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
W515913		136.5	1.8	<0.002	0.08	63.3	0.2	<1	<0.2	17.2	<0.05	<0.05	0.05	0.006	0.03	<0.1
W515914		>10000	2.9	<0.002	1.63	228	1.0	2	0.2	53.9	<0.05	0.14	0.05	0.013	0.10	0.1

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Project: Cowichan

CERTIFICATE OF ANALYSIS VA21294373

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	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
W515913		4	0.1	1.4	> 229	0.9		
W515914		9	0.3	13.8	>10000	1.3	1.035	2.51



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Account: TRIPGEO

Project: Cowichan

CERTIFICATE OF ANALYSIS VA21294373

CERTIFICATE COMMENTS													
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REEs may not be totally soluble in this method. ME-MS61</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tbody><tr><td>Au-AA23</td><td>CRU-31</td><td>CRU-QC</td><td>DISP-01</td></tr><tr><td>LOG-21</td><td>ME-MS61</td><td>ME-OG62</td><td>Pb-OG62</td></tr><tr><td>PUL-31</td><td>SPL-21</td><td>WEI-21</td><td>Zn-OG62</td></tr></tbody></table>	Au-AA23	CRU-31	CRU-QC	DISP-01	LOG-21	ME-MS61	ME-OG62	Pb-OG62	PUL-31	SPL-21	WEI-21	Zn-OG62
Au-AA23	CRU-31	CRU-QC	DISP-01										
LOG-21	ME-MS61	ME-OG62	Pb-OG62										
PUL-31	SPL-21	WEI-21	Zn-OG62										



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To: VIS, DARCY
 304-286 WILFERT ROAD
 VICTORIA BC V9C 0H6

Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 9-JAN-2023
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CERTIFICATE VA22287104

Project: Cowichan

This report is for 7 samples of Silt submitted to our lab in Vancouver, BC, Canada on 6-OCT-2022.

The following have access to data associated with this certificate:

DARCY VIS		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
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
PUL-QC	Pulverizing QC Test

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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 Finalized Date: 9-JAN-2023
 Account: DARCVI

Project: Cowichan

CERTIFICATE OF ANALYSIS VA22287104

Sample Description	Method Analyte Units LOD	WEI-21	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		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
W515915		0.65	0.001	0.05	2.75	5.4	<10	80	0.35	0.07	0.66	0.11	13.20	19.0	11	0.17
W515916		0.64	0.001	0.06	2.83	6.0	<10	100	0.36	0.08	0.72	0.10	13.85	19.4	9	0.17
W515917		0.80	0.002	0.05	2.76	5.8	<10	80	0.37	0.08	0.61	0.11	12.20	18.4	9	0.17
W515918		0.75	0.002	0.04	3.42	7.2	10	170	0.50	0.12	1.18	0.14	21.6	28.9	10	0.30
W515919		0.68	0.002	0.04	3.41	6.8	10	170	0.51	0.04	1.11	0.15	22.8	30.0	10	0.32
W515920		0.73	0.005	0.03	3.55	3.6	10	130	0.55	0.03	1.44	0.07	23.0	30.4	16	0.26
W515921		0.63	0.003	0.11	2.87	15.2	<10	260	0.52	0.10	0.71	0.57	20.2	25.6	10	0.23

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CERTIFICATE OF ANALYSIS	VA22287104
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Sample Description	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
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
W515915		45.5	4.85	8.64	0.06	0.17	0.06	0.027	0.10	6.5	10.6	1.86	812	0.96	0.06	0.06
W515916		40.2	4.87	9.18	0.06	0.18	0.05	0.027	0.10	6.8	10.5	1.89	831	0.87	0.07	0.07
W515917		42.9	4.75	8.64	0.06	0.18	0.06	0.026	0.10	6.0	11.3	1.80	812	0.95	0.05	0.07
W515918		46.2	6.70	11.65	0.09	0.19	0.06	0.038	0.12	10.8	18.3	2.06	1055	0.50	0.07	0.10
W515919		47.9	6.81	11.75	0.09	0.17	0.05	0.039	0.12	11.2	19.0	2.08	1060	0.42	0.07	0.12
W515920		41.1	6.75	11.35	0.08	0.20	0.03	0.039	0.12	11.0	15.9	2.12	1030	0.35	0.07	0.12
W515921		42.6	6.57	9.12	0.07	0.10	0.09	0.034	0.14	9.7	13.9	1.72	1105	0.58	0.04	0.05

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CERTIFICATE OF ANALYSIS VA22287104

Sample Description	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	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
W515915		9.2	870	2.4	3.6	0.002	0.10	0.13	9.9	0.2	0.4	40.8	<0.01	0.10	1.0	0.113	
W515916		9.2	940	2.4	3.6	0.002	0.18	0.14	11.0	0.4	0.4	42.8	<0.01	0.11	1.1	0.116	
W515917		8.8	850	2.6	3.4	0.002	0.10	0.12	10.2	0.3	0.4	36.6	<0.01	0.11	1.1	0.098	
W515918		11.4	1190	4.5	4.3	0.002	0.06	0.18	13.6	<0.2	0.5	61.2	<0.01	0.07	1.5	0.149	
W515919		12.4	1200	4.7	4.5	0.001	0.05	0.19	14.0	0.2	0.5	57.3	<0.01	0.03	1.5	0.155	
W515920		17.4	1130	3.6	4.2	<0.001	0.01	0.15	14.0	0.2	0.5	64.1	<0.01	0.03	1.4	0.163	
W515921		10.0	1150	8.2	5.1	0.001	0.16	0.53	11.6	0.3	0.4	36.3	<0.01	0.26	1.2	0.072	

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Project: Cowichan

CERTIFICATE OF ANALYSIS VA22287104

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Tl	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
W515915		0.02	0.23	119	0.06	8.98	72	5.7
W515916		0.02	0.25	121	0.06	9.68	69	6.1
W515917		0.02	0.23	115	0.06	8.65	70	5.4
W515918		0.03	0.44	184	<0.05	13.30	97	9.0
W515919		0.03	0.44	186	<0.05	13.95	100	9.3
W515920		0.02	0.47	181	<0.05	13.50	89	10.4
W515921		0.05	0.32	151	<0.05	11.80	183	4.3



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CERTIFICATE OF ANALYSIS VA22287104

CERTIFICATE COMMENTS

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%;">AuME-TL43</td> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">DISP-01</td> <td style="width: 33%;">LOG-21</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	AuME-TL43	CRU-31	DISP-01	LOG-21	PUL-31	PUL-QC	SPL-21	WEI-21
AuME-TL43	CRU-31	DISP-01	LOG-21						
PUL-31	PUL-QC	SPL-21	WEI-21						

APPENDIX E

ANALYTICAL PROCEDURE AND METHOD DESCRIPTIONS



Sample Preparation Package

PREP-31

Standard Sample Preparation: Dry, Crush, Split and Pulverize

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. This method is appropriate for rock chip or drill samples.

Method Code	Description
LOG-22	Sample is logged in tracking system and a bar code label is attached.
CRU-31	Fine crushing of rock chip and drill samples to better than 70 % of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-31	A sample split of up to 250 g is pulverized to better than 85 % of the sample passing 75 microns.

Revision 03.03
March 29, 2012

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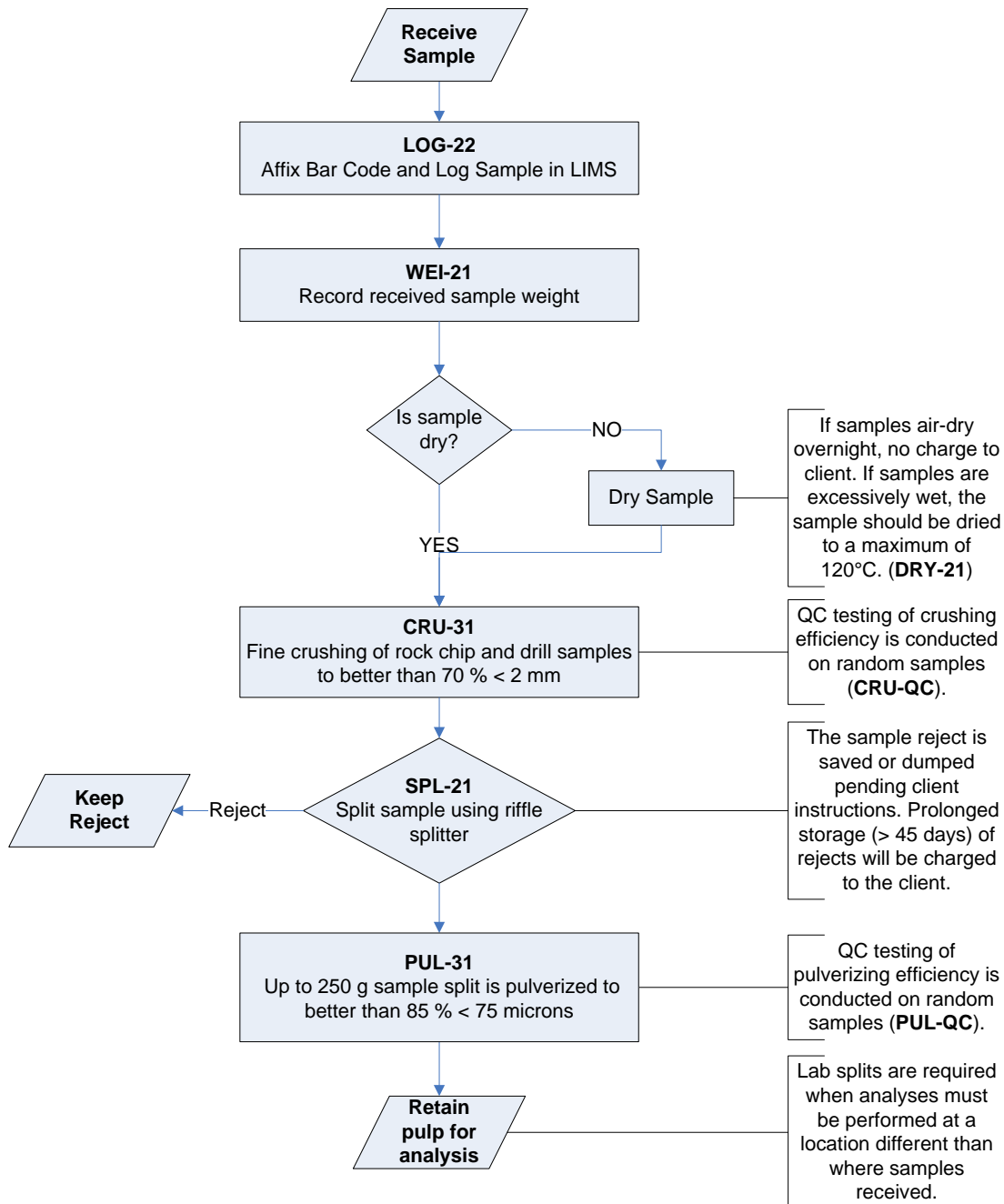
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Sample Preparation Package

Flow Chart -

Sample Preparation Package – PREP-31 Standard Sample Preparation: Dry, Crush, Split and Pulverize



Revision 03.03
March 29, 2012

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Au-AA23 & Au-AA24 – Fire Assay Fusion, AAS Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

A prepared sample is 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 precious metal bead.

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

List of Reportable Analytes:

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA22

ME-MS61: Ultra-Trace Level Method Using ICP MS and ICP-AES

Sample Decomposition:

HF-HNO₃-HClO₄ acid digestion, HCl leach (GEO-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP-AES)

Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

The ME-MS61 Ultra Trace method combines a four-acid digestion with ICP-MS instrumentation. A four acid digestion quantitatively dissolves nearly all minerals in the majority of geological materials.

A prepared sample (0.25 g) is digested with perchloric, nitric and hydrofluoric acids. The residue is leached with dilute hydrochloric acid and diluted to volume.

The final solution is then analyzed by inductively coupled plasma-atomic emission spectrometry and inductively coupled plasma-mass spectrometry. Results are corrected for spectral inter-element interferences.

List of Reportable Analytes:

Analyte	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	50
Arsenic	As	ppm	0.2	10000
Barium	Ba	ppm	10	10000
Beryllium	Be	ppm	0.05	1000
Bismuth	Bi	ppm	0.01	10000
Calcium	Ca	%	0.01	50
Cadmium	Cd	ppm	0.02	1000
Cerium	Ce	ppm	0.01	500
Cobalt	Co	ppm	0.1	10000
Chromium	Cr	ppm	1	10000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.1	500
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.5	10000
Lithium	Li	ppm	0.2	10000
Magnesium	Mg	%	0.01	50
Manganese	Mn	ppm	5	100000
Molybdenum	Mo	ppm	0.05	10000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.1	500
Nickel	Ni	ppm	0.2	10000

Analyte	Symbol	Units	Lower Limit	Upper Limit
Phosphorous	P	ppm	10	10000
Lead	Pb	ppm	0.5	10000
Rubidium	Rb	ppm	0.1	10000
Rhenium	Re	ppm	0.002	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10000
Scandium	Sc	ppm	0.1	10000
Selenium	Se	ppm	1	1000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10000
Tantalum	Ta	ppm	0.05	100
Tellurium	Te	ppm	0.05	500
Thorium	Th	ppm	0.01	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10000
Uranium	U	ppm	0.1	10000
Vanadium	V	ppm	1	10000
Tungsten	W	ppm	0.1	10000
Yttrium	Y	ppm	0.1	500
Zinc	Zn	ppm	2	10000
Zirconium	Zr	ppm	0.5	500

NOTE: Four acid digestions are able to dissolve most minerals. However, depending on the sample matrix, not all elements are quantitatively extracted. For example:

- This digestion may not be complete for minerals such as corundum (Al₂O₃), kyanite (Al₂SiO₅) and more complex silicates such as garnet, staurolite, topaz and tourmaline.*
- Potassium may bias low due to the formation of the insoluble perchlorate, which may not be completely decomposed during the leaching process.*
- Low recoveries of Al and Ca may occur if their insoluble fluorides are not completely decomposed during the leaching process.*
- Scandium may not be fully solubilized and may show lower recovery by this digestion. Sc-ICP06 (Lithium Metaborate Fusion, ICP-AES Finish), a method developed for Scandium, can be used as an alternative for this analyte.*
- Four acid digestions can also volatilize certain exploration pathfinder elements, in particular mercury. Mercury is better analyzed by an aqua regia digestion and can be added as a package to this analysis (Package: ME-MS61m).*

AuME-ST43, AuME-ST44, AuME-TL43 and AuME-TL44: Gold and Multi-Element from an Aqua Regia Digestion

Sample Decomposition:

GEO-AuAR01: 25g Aqua Regia Digestion

Or

GEO-AuAR02: 50g Aqua Regia Digestion

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP-AES)

Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

The determination of gold and multi-element in soils and stream sediments by aqua regia digestion offers very low detection limits, making it an attractive option for geochemical orientation surveys. Aqua regia effectively brings the portion of gold occurring natively and bound in sulphide ore minerals into solution.

Methods are available with a choice of a 25g or 50g sample aliquot; and Super Trace or Trace level detection limits. The advantage of analyzing for gold and multi-element simultaneously from the same representatively sized sample aliquot is best correlation between trace element geochemistry and Au.

- AuME-ST43: 25g Super Trace Level
- AuME-ST44: 50g Super Trace Level
- AuME-TL43: 25g Trace Level
- AuME-TL44: 50g Trace Level

A finely pulverized sample (25g or 50g) is cold digested with HNO₃, then HCl is added and the sample is heated at 130 °C for 40 minutes. Digestion is carried out in disposable plastic bottles to eliminate cross-contamination from digestion vessels and heated via graphite block for even heating.

Note: Roasting prior to dissolution is recommended for samples containing carbon or high concentrations of sulphides; otherwise low gold recoveries will result. Carbon, if present, will remove AuCl₃ ions from solution, leading to low recoveries being obtained.

AuME-ST43 and AuME-ST44 Super Trace Methods

The AuME-ST43 and AuME-ST44 super trace methods offer the lowest detection limits for gold and multi-element available. Analysis via ICP-MS instrumentation utilizing collision/reaction cell technologies provide these super trace detection limits.

AuME-TL43 and AuME-TL44 Trace Level Methods

The AuME-TL43 and AuME-TL44 methods are analyzed via ICP-MS and ICP-AES corrected for inter element spectral interferences

List of Reportable Analytes for AuME-ST43 and AuME-ST44 (Super Trace - Lowest Detection Limits)

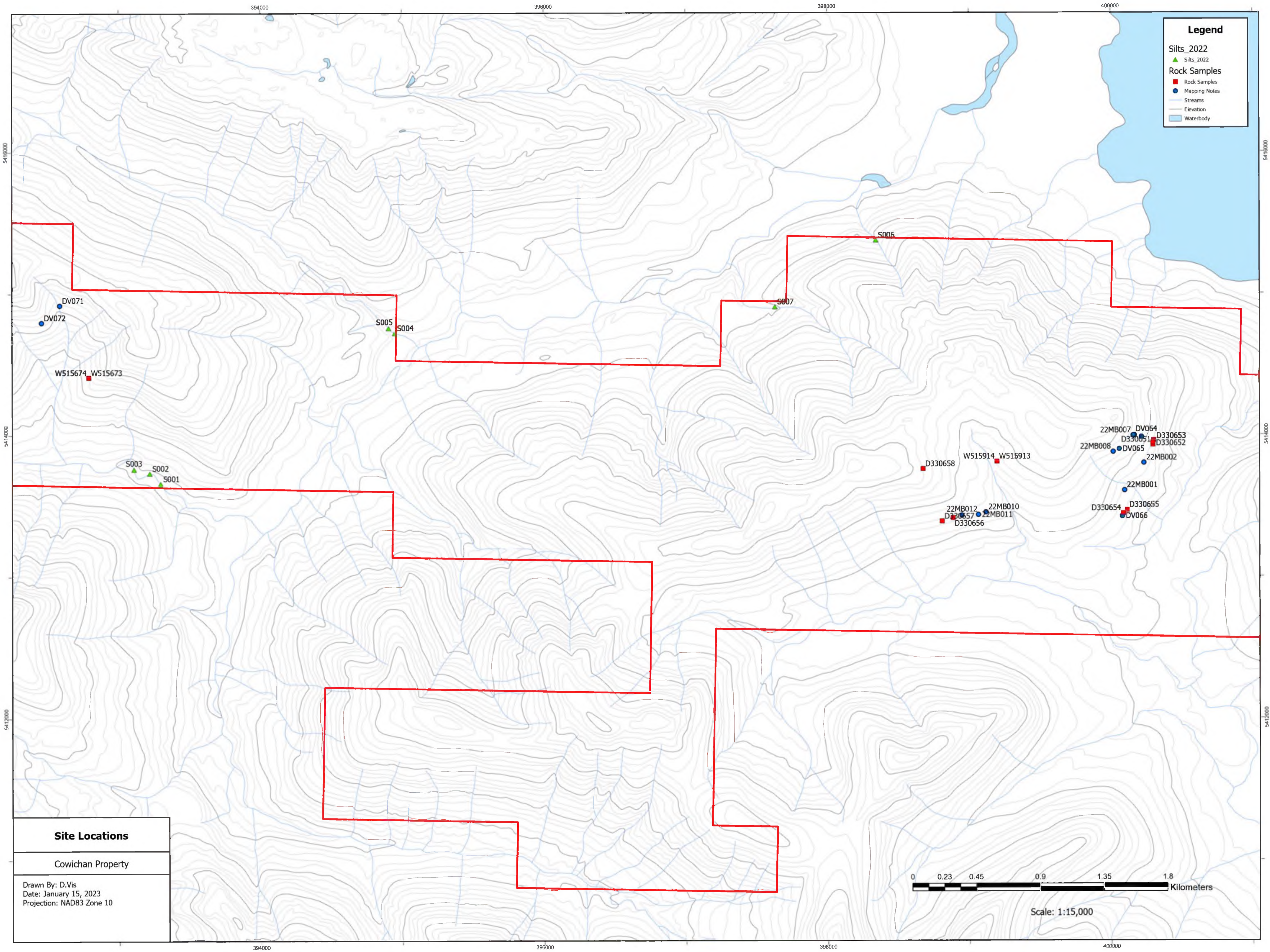
Analyte	Symbol	Units	Lower Limit	Upper Limit
Gold	Au	ppm	0.0001	1
Silver	Ag	ppm	0.001	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.01	10000
Boron	B	ppm	2	10000
Barium	Ba	ppm	0.05	10000
Beryllium	Be	ppm	0.005	1000
Bismuth	Bi	ppm	0.0005	10000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.001	1000
Cerium	Ce	ppm	0.001	10000
Cobalt	Co	ppm	0.001	10000
Chromium	Cr	ppm	0.01	10000
Cesium	Cs	ppm	0.001	500
Copper	Cu	ppm	0.01	10000
Iron	Fe	%	0.001	50
Gallium	Ga	ppm	0.004	10000
Germanium	Ge	ppm	0.005	500
Hafnium	Hf	ppm	0.002	500
Mercury	Hg	ppm	0.002	10000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.002	10000
Lithium	Li	ppm	0.1	10000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	0.1	50000
Molybdenum	Mo	ppm	0.002	10000
Sodium	Na	%	0.001	10
Niobium	Nb	ppm	0.002	500
Nickel	Ni	ppm	0.02	10000
Phosphorus	P	%	0.0005	1
Lead	Pb	ppm	0.005	10000
Palladium	Pd	ppm	0.001	100
Platinum	Pt	ppm	0.001	100
Rubidium	Rb	ppm	0.005	10000
Rhenium	Re	ppm	0.0002	50
Sulphur	S	%	0.002	10
Antimony	Sb	ppm	0.002	10000
Scandium	Sc	ppm	0.005	10000
Selenium	Se	ppm	0.002	1000
Tin	Sn	ppm	0.01	500
Strontium	Sr	ppm	0.01	10000
Tantalum	Ta	ppm	0.005	500
Tellurium	Te	ppm	0.001	500
Thorium	Th	ppm	0.0005	10000
Titanium	Ti	%	0.0001	10
Thallium	Tl	ppm	0.0005	10000
Uranium	U	ppm	0.0005	2500
Vanadium	V	ppm	0.05	10000
Tungsten	W	ppm	0.001	10000
Yttrium	Y	ppm	0.001	500
Zinc	Zn	ppm	0.1	10000
Zirconium	Zr	ppm	0.01	500

List of Reportable Analytes for AuME-TL43 and AuME-TL44 (Trace Level Detection Limits)

Analyte	Symbol	Units	Lower Limit	Upper Limit
Gold	Au	ppm	0.001	1
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10000
Boron	B	ppm	10	10000
Barium	Ba	ppm	10	10000
Beryllium	Be	ppm	0.05	1000
Bismuth	Bi	ppm	0.01	10000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1000
Cerium	Ce	ppm	0.02	10000
Cobalt	Co	ppm	0.1	10000
Chromium	Cr	ppm	1	10000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500
Mercury	Hg	ppm	0.01	10000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10000
Lithium	Li	ppm	0.1	10000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50000
Molybdenum	Mo	ppm	0.05	10000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10000
Phosphorus	P	ppm	10	10000
Lead	Pb	ppm	0.2	10000
Rubidium	Rb	ppm	0.1	10000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10000
Scandium	Sc	ppm	0.1	10000
Selenium	Se	ppm	0.2	1000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10000
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10000
Uranium	U	ppm	0.05	10000
Vanadium	V	ppm	1	10000
Tungsten	W	ppm	0.05	10000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10000
Zirconium	Zr	ppm	0.5	500

APPENDIX F

MAPS



Legend

- Silts_2022
 - Silts_2022 (Green triangle)
- Rock Samples
 - Rock Samples (Red square)
 - Mapping Notes (Blue circle)
- Streams (Blue line)
- Elevation (Grey contour line)
- Waterbody (Light blue area)

541000

5414000

5412000

541000

5414000

5412000

394000

396000

398000

400000

394000

396000

398000

400000

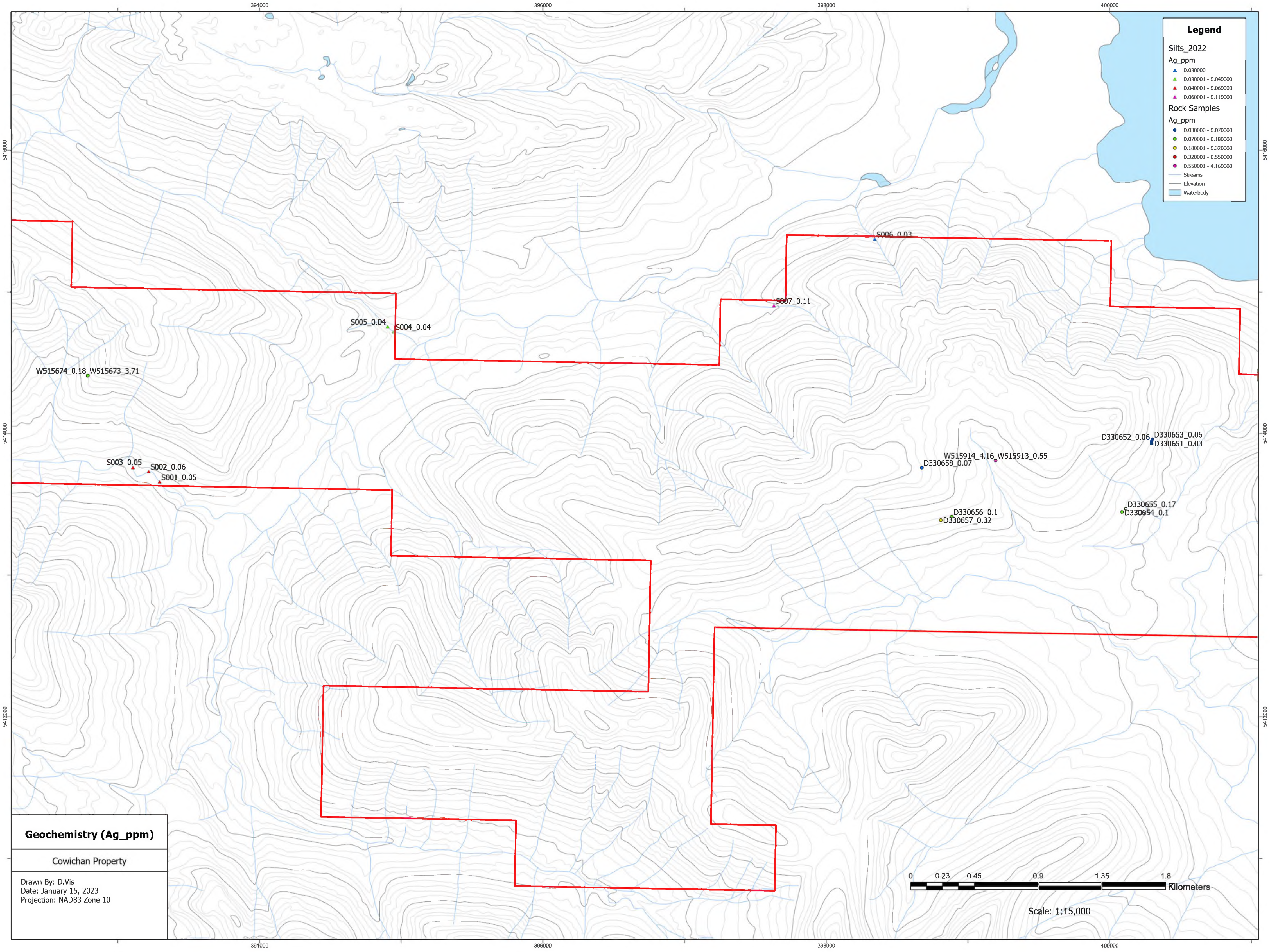
Site Locations

Cowichan Property

Drawn By: D.Vis
Date: January 15, 2023
Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

- ▲ 0.030000
- ▲ 0.030001 - 0.040000
- ▲ 0.040001 - 0.060000
- ▲ 0.060001 - 0.110000

Rock Samples

- 0.030000 - 0.070000
- 0.070001 - 0.180000
- 0.180001 - 0.320000
- 0.320001 - 0.550000
- 0.550001 - 4.160000

- Streams
- Elevation
- Waterbody

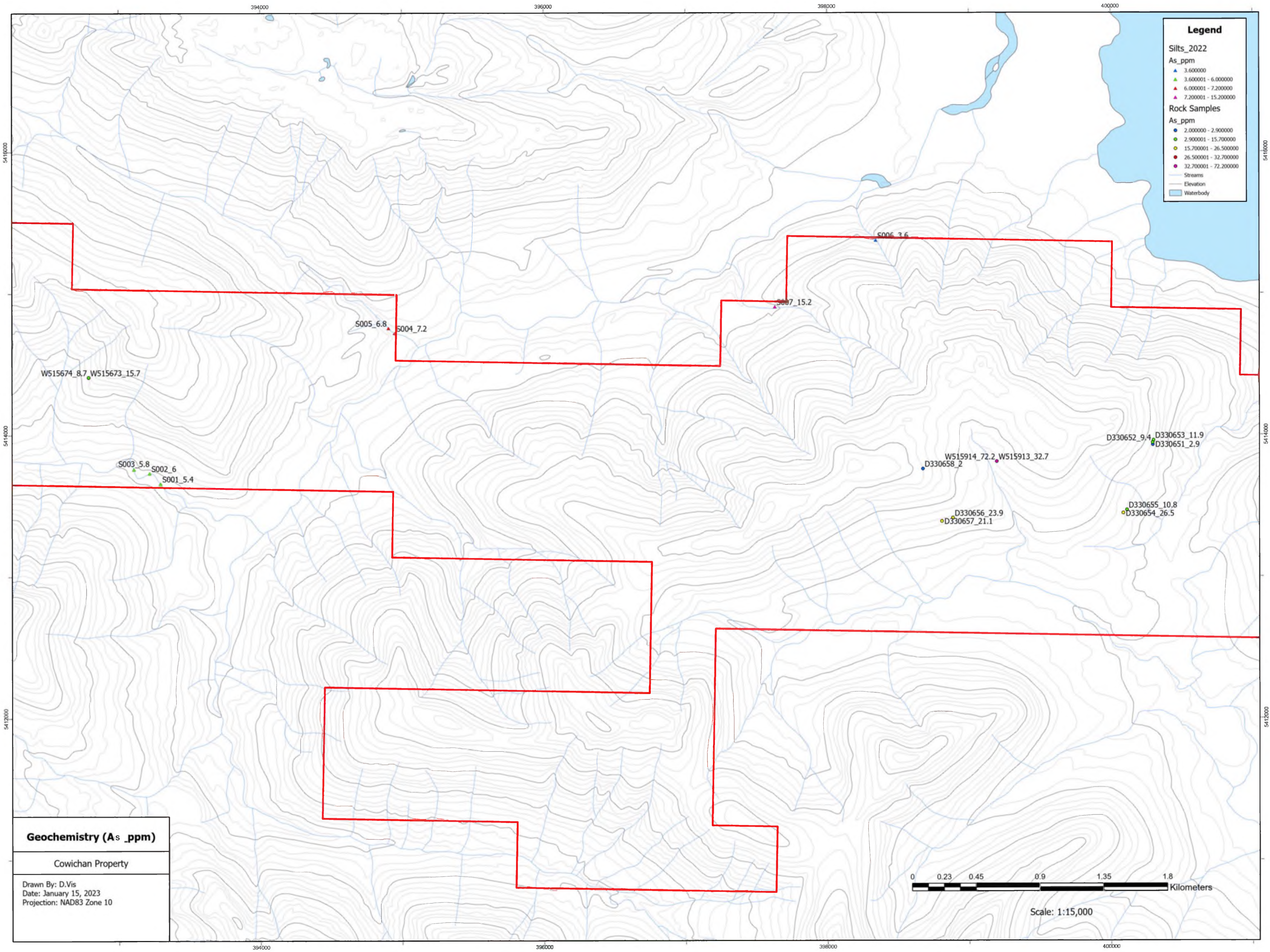
Geochemistry (Ag_ppm)

Cowichan Property

Drawn By: D.Vis
 Date: January 15, 2023
 Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

- 3.600000
- 3.600001 - 6.000000
- 6.000001 - 7.200000
- 7.200001 - 15.200000

Rock Samples

- 2.000000 - 2.900000
- 2.900001 - 15.700000
- 15.700001 - 26.500000
- 26.500001 - 32.700000
- 32.700001 - 72.200000

Streams
Elevation
Waterbody

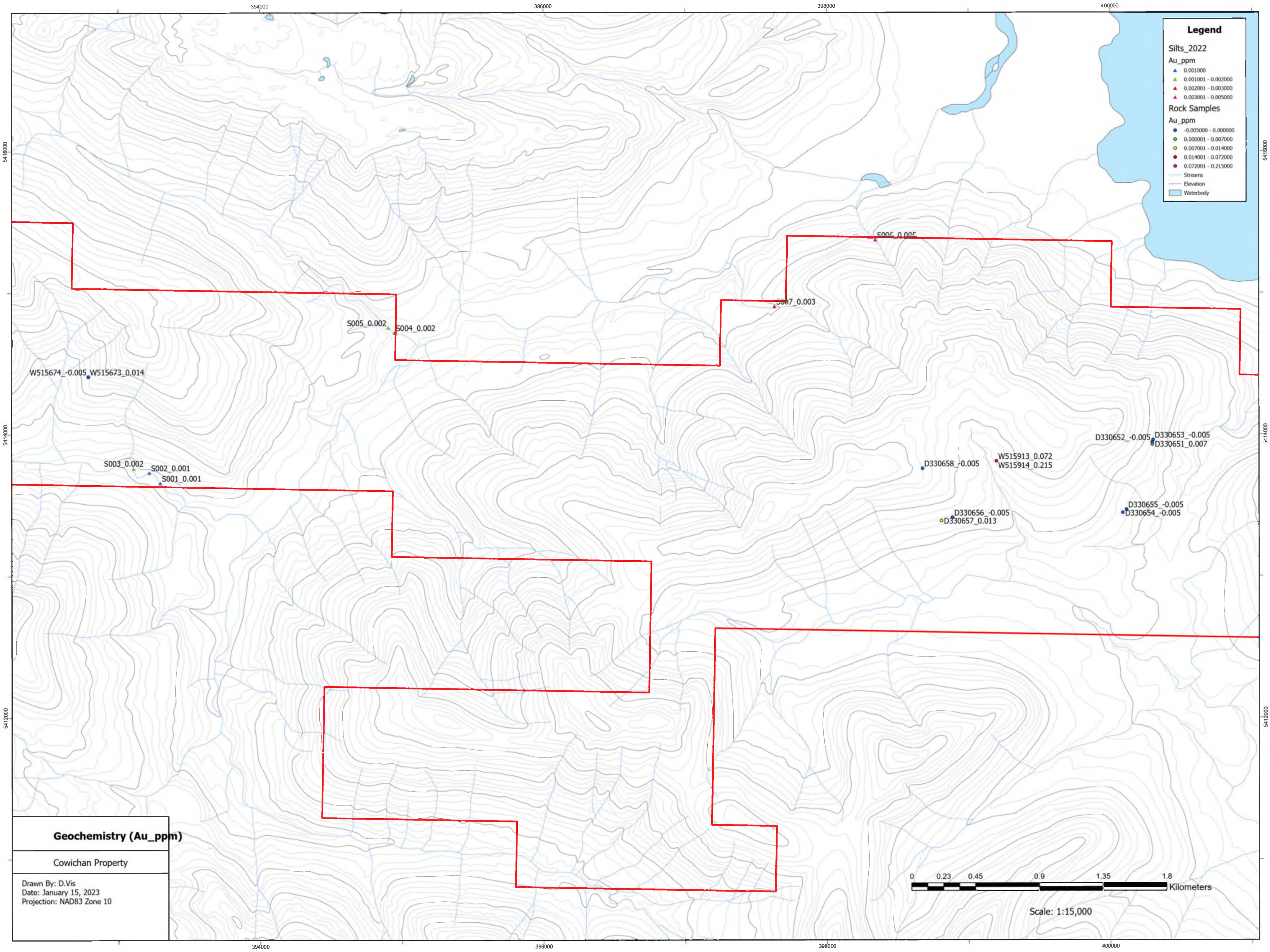
Geochemistry (As _ppm)

Cowichan Property

Drawn By: D.Vis
Date: January 15, 2023
Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

- ▲ 0.001000
- ▲ 0.001001 - 0.002000
- ▲ 0.002001 - 0.003000
- ▲ 0.003001 - 0.005000

Rock Samples

- -0.005000 - 0.000000
- 0.000001 - 0.007000
- 0.007001 - 0.014000
- 0.014001 - 0.020000
- 0.020001 - 0.215000

- Streams
- Elevation
- Waterbody

W515674_-0.005 W515673_0.014

S003_0.002 S002_0.001
S001_0.001

S005_0.002 S004_0.002

S006_0.005

S007_0.003

D330658_-0.005

W515913_0.072
W515914_0.215

D330652_-0.005 D330653_-0.005
D330651_0.007

D330656_-0.005
D330657_0.013

D330655_-0.005
D330654_-0.005

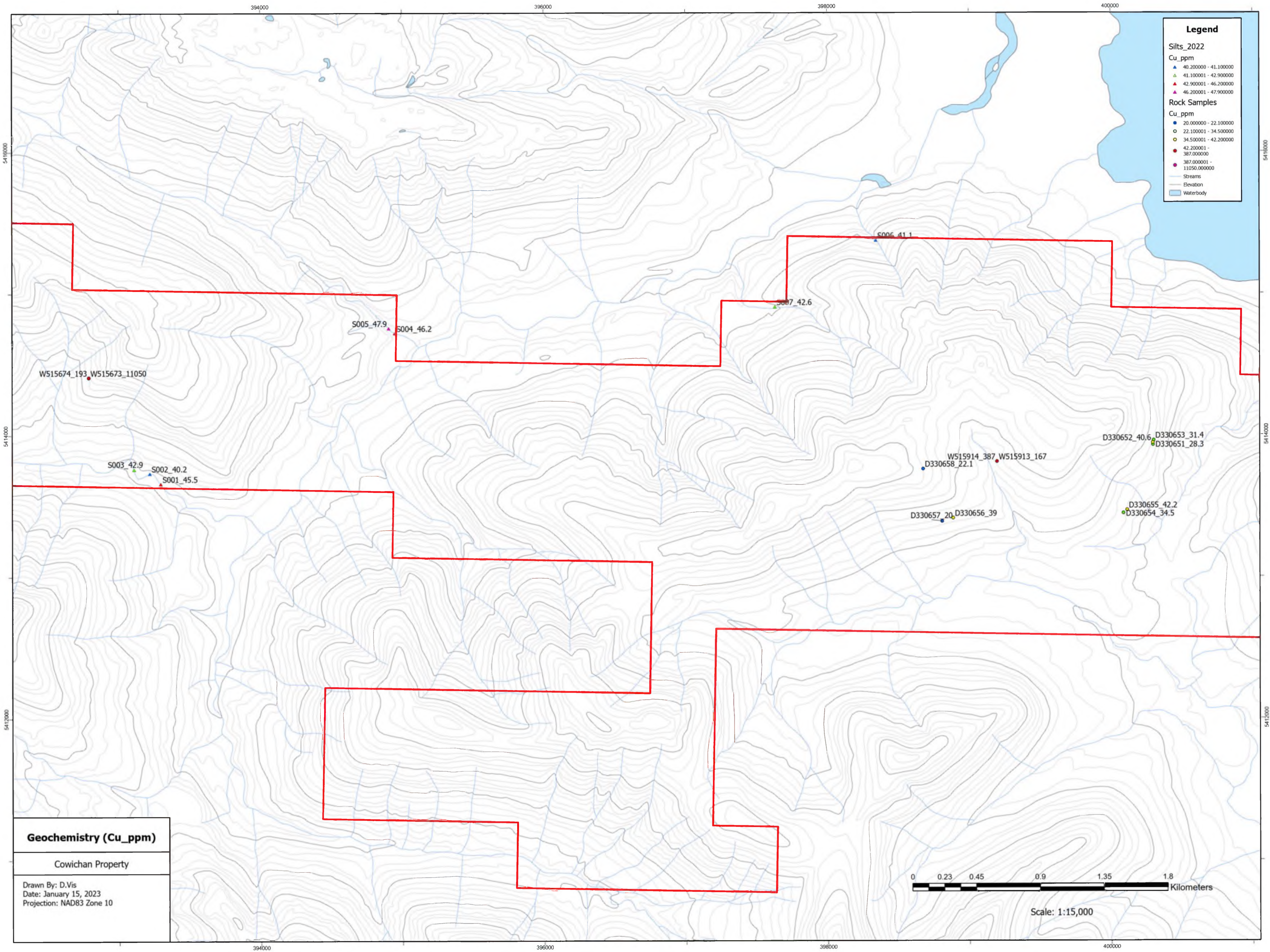
Geochemistry (Au_ppm)

Cowichan Property

Drawn By: D.Vis
Date: January 15, 2023
Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

- ▲ 40.20000 - 41.10000
- ▲ 41.10001 - 42.90000
- ▲ 42.90001 - 46.20000
- ▲ 46.20001 - 47.90000

Rock Samples

- 20.00000 - 22.10000
- 22.10001 - 34.50000
- 34.50001 - 42.20000
- 42.20001 - 42.20000
- 387.00000
- 387.00001 - 11050.00000

- Streams
- Elevation
- Waterbody

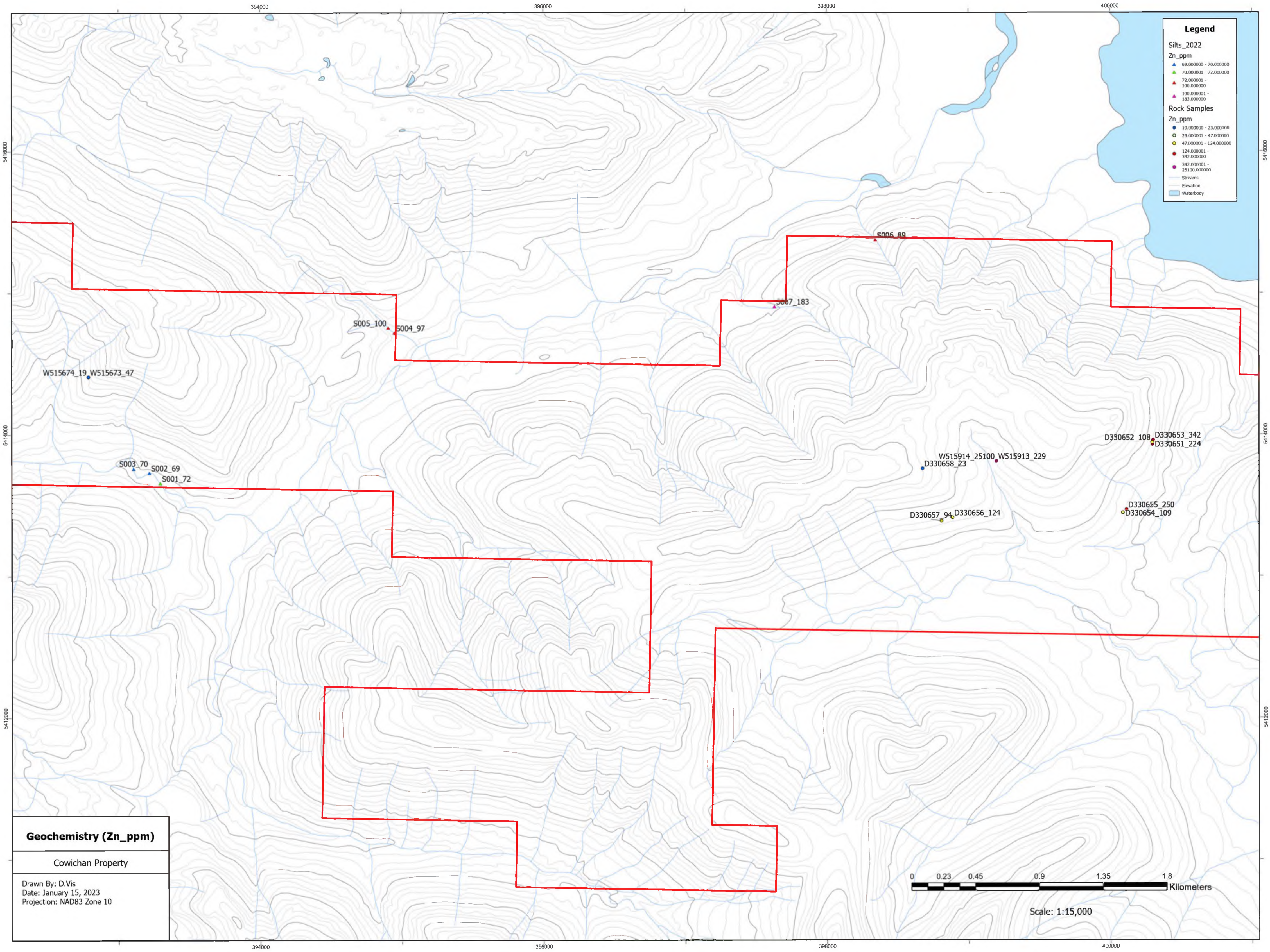
Geochemistry (Cu_ppm)

Cowichan Property

Drawn By: D.Vis
 Date: January 15, 2023
 Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

Zn_ppm

- ▲ 69.000000 - 70.000000
- ▲ 70.000001 - 72.000000
- ▲ 72.000001 - 100.000000
- ▲ 100.000001 - 183.000000

Rock Samples

Zn_ppm

- 19.000000 - 23.000000
- 23.000001 - 47.000000
- 47.000001 - 124.000000
- 124.000001 - 342.000000
- 342.000001 - 25100.000000

— Streams

— Elevation

— Waterbody

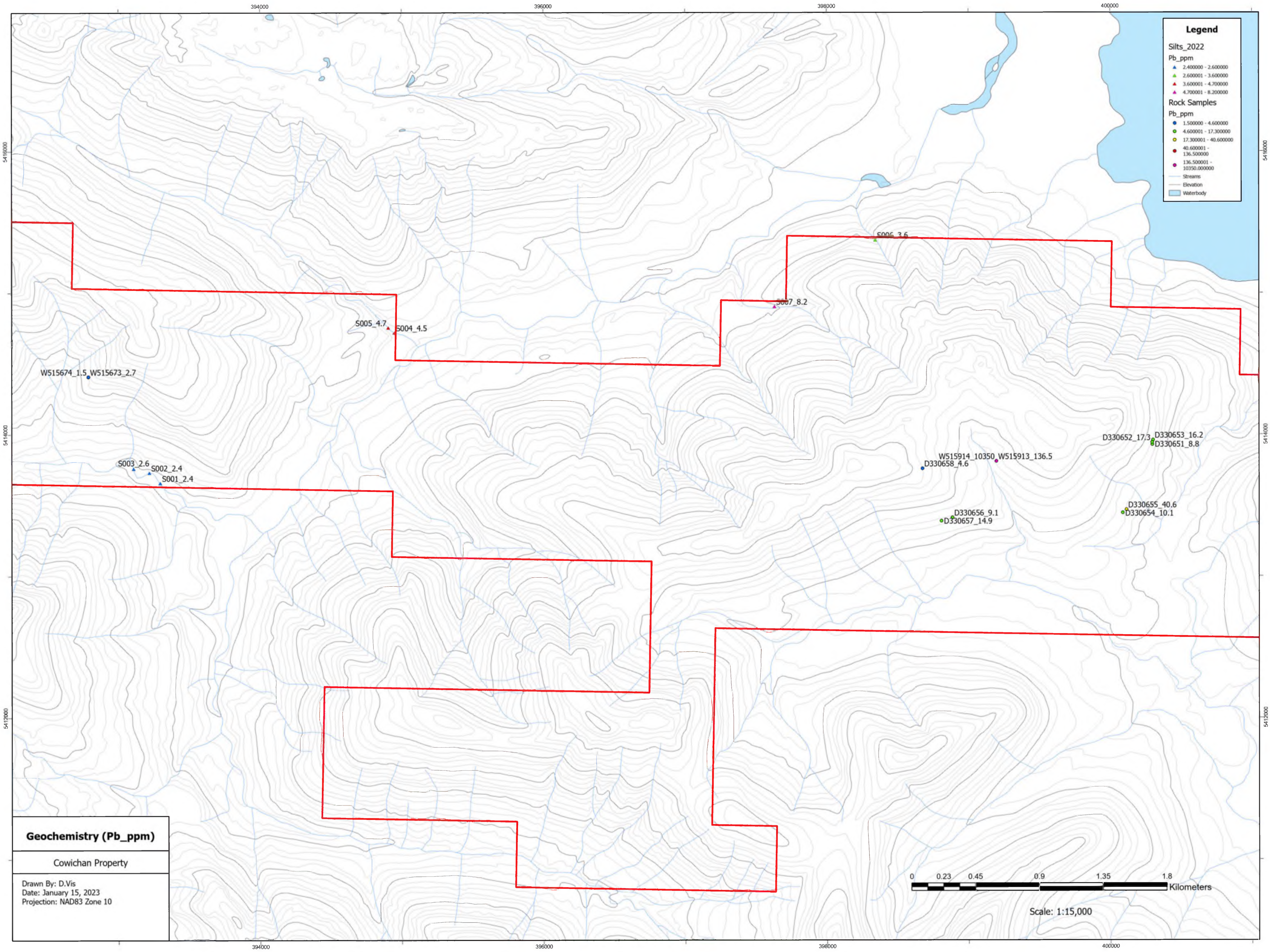
Geochemistry (Zn_ppm)

Cowichan Property

Drawn By: D.Vis
 Date: January 15, 2023
 Projection: NAD83 Zone 10



Scale: 1:15,000



Legend

Silts_2022

- ▲ 2.400000 - 2.600000
- ▲ 2.600001 - 3.600000
- ▲ 3.600001 - 4.700000
- ▲ 4.700001 - 8.200000

Rock Samples

- 1.500000 - 4.600000
- 4.600001 - 17.300000
- 17.300001 - 40.600000
- 40.600001 - 136.500000
- 136.500001 - 10350.000000

- Streams
- Elevation
- Waterbody

W515674_1.5 W515673_2.7

S003_2.6 S002_2.4
S001_2.4

S005_4.7 S004_4.5

S007_8.2

S006_3.6

W515914_10350 W515913_136.5
D330658_4.6

D330652_17.3 D330653_16.2
D330651_8.8

D330656_9.1
D330657_14.9

D330655_40.6
D330654_10.1

Geochemistry (Pb_ppm)

Cowichan Property

Drawn By: D.Vis
Date: January 15, 2023
Projection: NAD83 Zone 10



Scale: 1:15,000