BC Geological Survey
Assessment Report
39966

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: **92,932.59**

AUTHOR(S): Andy Randell

SIGNATURE(S):

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

YEAR OF WORK: 2021

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):

PROPERTY NAME: Koocanusa

CLAIM NAME(S) (on which the work was done): 1081505, 1076884, 1078861, 1076873, 1077233, 1081520, 1078139, 1078138, 1076872, 1078762

COMMODITIES SOUGHT: Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082GSW022, 082GSW034, 082GSW076, 082GSW090

MINING DIVISION: Fort Steele

NTS/BCGS: 82G03, 04, 05, 06/082G013, 014, 022, 023

LATITUDE: 49 ° 12 '34 " **LONGITUDE:** -119 ° 24 '36 " **(at centre of work)**

OWNER(S):
1) Aeonian Resources Ltd. 2)

MAILING ADDRESS:
330-470 Granville Street
Vancouver BC, V6C 1V5

OPERATOR(S) [who paid for the work]:
1) As above 2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Mesoproterozoic,
Purcell Subgroup, Aldridge Formation, Rift Fill, Van Creek, Nicol Creek, Kitchener Formation
Siliciclastic, Carbonate, Mafic Volcanics, Limestone, Siltstone, Argillite, Breccia, Gabbro, Basalt
Sediment Hosted Copper, Bornite, Digenite, Chalcocite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 18748, 19822, 19965, 21082, 21726, 21294, 28482, 28483, 33867

Next Page

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		See Attached	37700
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic		See Attached	6482.62
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil		See Attached	4648.32
Silt			
Rock		See Attached	
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			45394.66
		TOTAL COST:	**92,932.59**

Print Form

Type of Work in This Report	Extent of Work (Metric) Units	On Which Claims
Ground, Mapping		1078138, 1076872
Soil Geochemistry		1078138, 1076872
Rock Geochemistry		1081505, 1076884, 1078861, 1076873, 1077233, 1081520, 1078139, 1078138, 1076872, 1078762
Ground Magnetic		1078138, 1076872

Assessment Report

2021 Exploration Program on the Koocanusa Property
Fort Steele Mining Division
British Columbia, Canada

Prepared for:
Aeonian Resources Ltd.

330 – 470 Granville Street
Vancouver, British Columbia
Canada V6C 1V5

Property Location:
NTS 82G/03, 04, 05, 06; BCGS 82G/013, 014, 022, 023
Latitude 49º12'34"N, Longitude -119º24'36"W
UTM Zone 10: 615815E, 5451970N (NAD83)

Prepared by:
Andy Randell, P.Geo

SGDS Hive
330 - 470 Granville Street
Vancouver, British Columbia
V6C 1V5

March 15, 2022

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1.0 INTRODUCTION

The Koocanusa Project lies within an area of widely open ground on the western shore of Lake Koocanusa, and approximately 35km south of the town Cranbrook. Historically the area has been explored for gold and silver, with the former lending its name to Gold Creek which runs down the eastern side of the project.

Work was completed during several campaigns between May and November 2021, with the primary task to execute a "proof of concept" soil, mapping, and ground magnetic survey grid along a portion of the eastern trend. A total of 98 soils samples were sent to the lab and highlighted a 780m long copper-in-soil trend that infilled areas between historical rock samples. The trend remains open at both ends. Where the soil anomaly cut across the forestry road, copper mineralization was found throughout a 130m road cut, presenting as malachite and azurite with rare chalcopyrite. Mapping revealed that the copper-rich horizons were hosted in a sandstone unit between two thin dolomite layers. A garnetiferous sandstone runs parallel to the copper zones and could be a marker horizon.

Mapping elsewhere on the property was limited, but sulphide growth within sedimentary rocks was common, with some chalcopyrite observed in the west.

The 2021 program was successful in proving that Koocanusa does have sedimentary-hosted copper deposits and should be explored with this model in mind.

Recommendations for future work include expanded soil grids, mapping, trenching and stream-sediment sampling.

2.0 PROPERTY DESCRIPTION AND LOCATION

The Koocanusa Property consists of 21 mining claims covering an area of 13,382 hectares (133.8 km2). The property is currently 100% owned by Aeonian Resources Ltd.

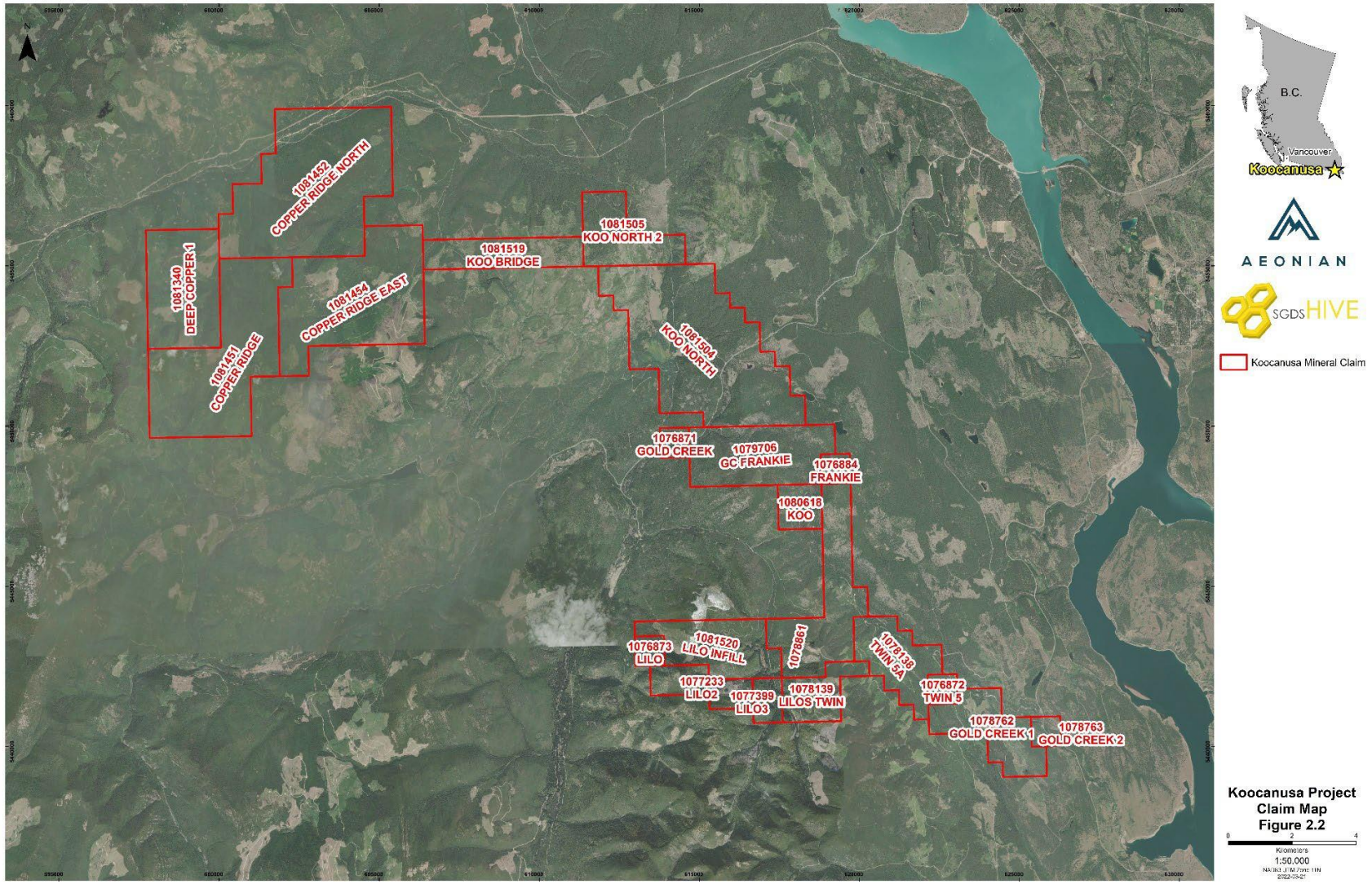

1081452
COPPER RIDGE NORTH
1081340
DEEP COPPER 1
1081454
COPPER RIDGE EAST
1081451
COPPER RIDGE
1081519
KOO BRIDGE
1081505
KOO NORTH 2
1081504
KOO NORTH
1076871
GOLD CREEK
1079706
GC FRANKIE
1076884
FRANKIE
1080618
KOO
1076873
LILO
1081520
LILO INFILL
1078861
1078138
TWIN 5A
1077233
LILO2
1077399
LILO3
1078139
LILO5 TWIN
1076872
TWIN 5
1078762
GOLD CREEK 1
1078763
GOLD CREEK 2
B.C.
Vancouver
Koocanusa
AEONIAN
SGDSHIVE
Koocanusa Mineral Claim
Koocanusa Project
Claim Map
Figure 2.2
Kilometers
1:50,000

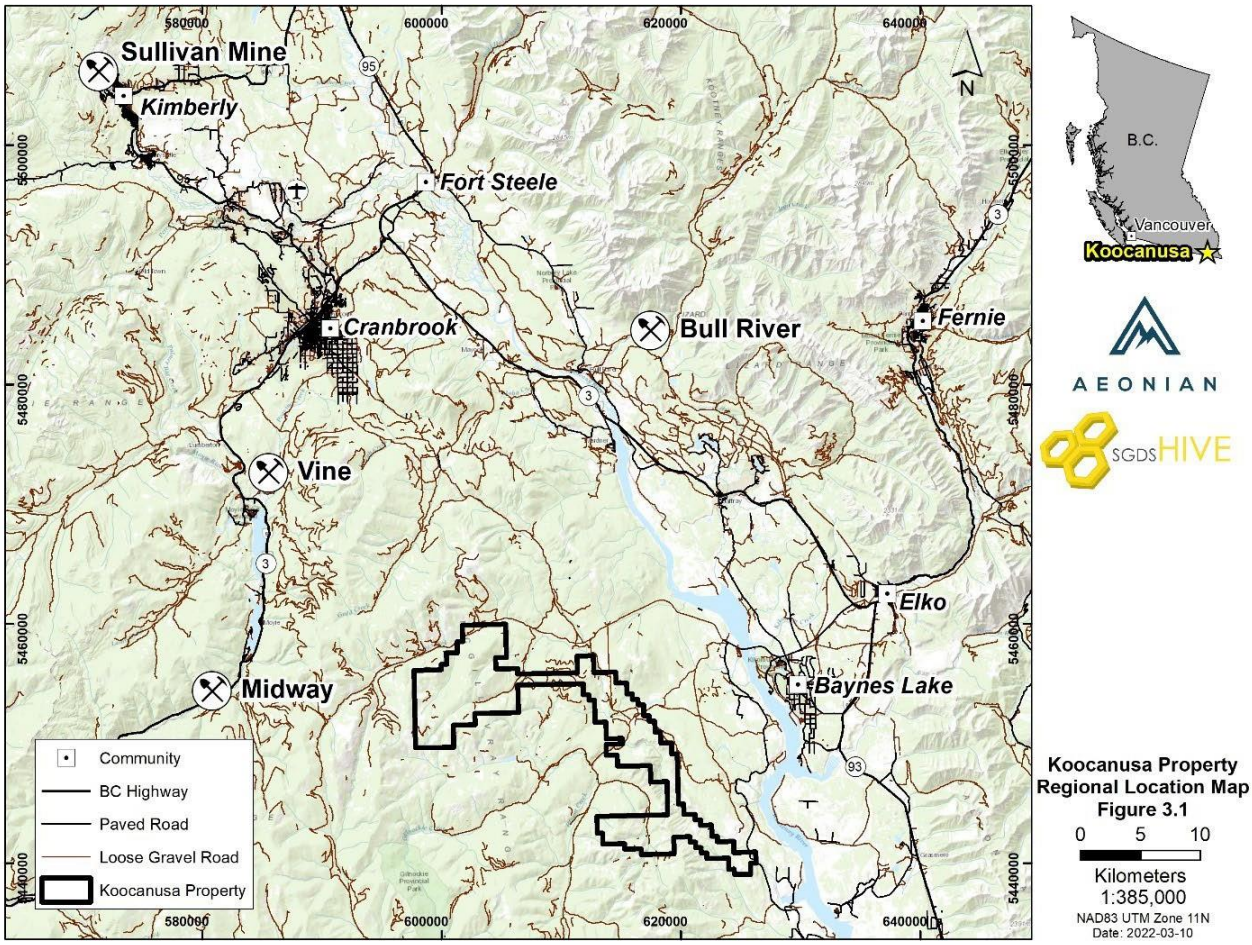
Table 2.1: Koocanusa Claims

Tenure Number	Claim Name	Owner	Issue Date	Good to Date	Area (ha)
1076871	Gold Creek	Aeonian Resources Ltd.	20th June 2020	1st January 2024	84.45
1076872	Twin 5		20th June 2020		84.58
1076873	Lilo		20th June 2020		84.55
1076884	Frankie		20th June 2020		84.46
1077233	Lilo2		15th July 2020		296.00
1077399	Lilo3		20th July 2020		126.87
1078138	Twin 5A		22nd August 2020		507.37
1078139	Lilos Twin		22nd August 2020		317.16
1078762	Gold Creek 1		18th September 2020		528.73
1078763	Gold Creek 2		18th September 2020		84.60
1078861	-		25th September 2020		845.32
1079706	GC Frankie		23rd November 2020		802.32
1080618	Koo		16th January 2021		190.09
1081340	Deep Copper		22nd February 2021		843.74
1081451	Copper Ridge		2nd March 2021		1519.34
1081452	Copper Ridge North		2nd March 2021		1939.50
1081454	Copper Ridge East		2nd March 2021		1476.63
1081504	Koo North		4th March 2021		2004.58
1081505	Koo North 2		4th March 2021		485.02
1081519	Koo Bridge		5th March 2021		463.98
1081520	Lilo Infill		5th March 2021		613.02

3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

3.1 Accessibility

The Project property has good year-round access from Cranbrook, British Columbia, via the main Gold Creek and Tepee Creek gravel forest roads (Figure 3.1). Southeastern parts of the Property can also be accessed via BC 93 and the Kikomun-Newgate and Linklater Forest Service Roads. The southwestern portion of the Property has access via Wickman Creek Forest service road. Smaller temporary logging roads provide additional access to various sections of the property via 4wd truck or ATV.



3.2 Climate

The Project area lies within a region of humid continental climate. Daily average temperatures range from -7.2° C in December to 18.7° C in July. The average annual precipitation is 280mm of rainfall and 125 cm of snow. Snowfall is the primary form of precipitation in the winter (November to March), with a median snow depth of 16 cm in January.

3.3 Local Resources and Infrastructure

The city of Cranbrook, B.C., had a recorded population of just over 20,000 (Statistics Canada Census, 2016). Cranbrook is the largest urban center in southeastern British Columbia, with 4.9% of the workforce engaged in the “mining, quarrying and oil and gas sector” and 18.8% of the workforce list their occupation as “trades, transport and equipment operators and related occupations” (Statistics Canada Census, 2016). The Canadian Rockies International Airport is located 10km north of Cranbrook and has daily flights to Vancouver and

Calgary. The Crowsnest Highway (B.C. Highway 3) passes through Cranbrook as runs east-west through southern British Columbia, from Hope, B.C., to the Alberta border.

A second north-south highway system (B.C. HWY 93/95) passes through Cranbrook and links the city with the Trans-Canada HWY in the north and the U.S. border with Montana in the south. The Canadian Pacific Railway has a railway yard in Cranbrook and rail connections that run to the Port of Vancouver and southwest to the U.S. The Trans-Canada Natural Gas Pipeline runs along the northwestern edge of the Koocanusa Property.

3.4 Physiography

The Property ranges in elevation from about 800m to 2000m above sea level and lies within the McGillivary Range of the Purcell Mountains. The topography could be considered moderate with a variety of creeks, including Teepee and Cavan, feeding east into Gold Creek which then flows southeast through the Project area and into Lake Koocanusa which is created by a dam on the Kootenay River south in Montana. The majority of the Project area has been logged and is in various stages of re-growth.

4.0 HISTORY

Portions of the Koocanusa Project area have seen prior work, most of which occurred between 1988 and 1991 and which resulted in the discovery of several B.C. MINFILE mineral occurrences:

- Gold Creek - MINFILE #082GSW022
- Twin 5 - MINFILE #082GSW090
- Lilo – MINFILE #082GSW076
- Frankie - MINFILE #082GSW034

These MINFILE occurrences are all found in the southeastern portion of the project (Figure X) and the work to discover them is included in the following work descriptions.

1989-1991 Exploration along Gold Creek

Gold was first discovered in the region in 1863 along the Wild Horse River, 10 km northeast of Cranbrook (Holland, 1980). The provincial government completed stream sampling across many parts of the province and the current database can be found as part of the Regional Geochemical Survey (RGS) (Han and Rukhlov, 2020). The regional resolution and of this database limit the usefulness of this sample set for exploration purposes with only a small number

of stream sediment samples collected from within the Project area. Despite the limited sampling in the area, elevated gold values (>90% percentile) can be seen in RGS stream sediment samples just south of the Project area. However, RGS stream sediment samples were generally not collected from the larger streams like Gold Creek.

Klewchuck (1991a) reported that fine placer gold in Gold Creek, as well as surface alteration zones and anomalous mercury in bedrock, led South Kootenay Goldfields Inc. to commence an exploration program for lode gold in the area. The work on the Gold Creek property in 1989 included prospecting and rock geochemistry, analysis of heavy mineral and panned concentrate from stream samples, soil sampling, 9km of line cutting and IP geophysics, and diamond drilling (Klewchuck and Ryley, 1990; Ryley et al., 1990). Heavy minerals and pan concentrates were collected from within Gold Creek and returned anomalous values along most of the sampling length and some samples returning over 10 ppm Au (Klewchuck and Ryley, 1990). Chalcopyrite and malachite staining was reported from a number of samples including both float and bedrock. Anomalous Cu values (up to 143ppm) were identified in soil sampling from two lines south of, and running parallel to, Gold Creek. The Gold Creek MINFILE occurrence is described as consisting of disseminated copper sulfide mineralization occurring in the Nicol Creek, Gateway and Rooseville formations. “Chalcopyrite is disseminated and occasionally concentrates as blebs. Malachite and azurite are less common, occurring in quartz veinlets and fracture planes.” (B.C. MINFILE #082GSW022). Twenty-three diamond drill holes were attempted across the property in 1989 and 1990. Most of the drill holes were targeted on geophysical anomalies. The highlight of this drilling was hole G90-1 which passed through tuffaceous sediments and volcanic flows. Three samples of mineralized quartz veining were sampled and returned values of 0.65%, 0.20%, and 0.43% copper (Samples 45361, 45362 and 45364; Ryley et al, 1990). This drill location is the BC MINFILE Twin 5 occurrence (#082GSW022). A second hole drilled about 60m to the NE (G90-19) did not identify significant copper mineralization. The overall focus of exploration in this program was gold, and no significant gold results reported from this drilling. Important conclusions from the work include “Both the Nicol and Gateway formations contain disseminated chalcopyrite which may be stratabound” and “opportunity exists for stratiform copper deposits” (Ryley et al., 1990).

The focus of work in the second season was to identify gold mineralization through an exploration program of soil geochemistry, geological mapping, and an airborne magnetic and VLF-EM surveys (Klewchuck, 1991a; 1991b). The anomalous gold and copper values from the confluence of Cavan Creek and Gold Creek were targeted with a detailed soil geochemical grid made up of 1153 samples taken over a 12 km2 area. The soil sampling grid consisted of a 5km cut baseline and 100m spaced sample lines with a sample spacing of 100m along the lines. Samples were collected from the ‘B’ horizon and results were presented in a map format without contouring or shading. A copper anomaly detected by soil sampling led to the discovery of at least one new bedrock occurrence of copper (Klewchuck, 1991a). However, no new gold occurrences were discovered, and no additional drilling was completed in the second season. The helicopter borne magnetic and VLF-EM survey was conducted over the course of 2 days at the end of August 1990. The survey work included 614-line kilometers and covered 4 different areas which partly

cover the Koocanusa property. One primary conclusion from this work was that geophysics is useful for indicating the presence of undetected structural breaks (Klewchuck, 1991a).

The main recommendation was that further work would be required to combine the geophysical survey information collected at the end of the 1990 season with the known geological and geochemical data to establish targets for more detailed exploration (Klewchuck, 1991).

Frankie

The Frankie showing (BC MINFILE #082GSW034) is reported as a mercury showing located on a ridge east of Gold Creek and ~2km south of Chains Lake. This showing has seen various prospecting, geological work and drilling. Klewchuck (1989, BC ARIS 18748) reported results from a 4-hole drilling program. The highlight was 0.31% mercury in a 0.6 m long sample of drill core (BC ARIS 18748). Assay results on a grab sample from the area returned 4.9% mercury (BC ARIS 19965). Mercury mineralization at this location is likely unrelated to the sediment hosted-copper mineralization on the property as it has been described as hydrothermal epigenetic of an unknown type (BC MINFILE #082GSW034). Kennedy (2006a, BC ARIS 28482) conducted a brief two-day prospecting and mapping work project in 2005 on the area around the Frankie showing. Work consisted of prospecting and the creation of a prospecting map of alteration, veining, and mercury and copper occurrences. A second two-day prospecting and mapping work project by Kennedy (2006b, BC ARIS 28483) focused on the potential for mercury mineralization in sediments just south of Tepee Creek, towards the north end of the Koocanusa Project area. Cinnabar was reported to occur as coatings on pyrite cubes as well as in narrow breccia zones (Kennedy, 2006b). However, no sample descriptions, photographs, or assay results were provided in either of these assessment reports

Lilo

The Lilo showing (BC MINFILE #082GSW076) lies on the southwestern portion of the Koocanusa Project. The Lilo Property was originally staked in 1990 after reconnaissance work identified alteration, limonitic staining, malachite, and disseminated chalcopyrite in logging road cuts (Bapty, 1991). Work on this property included 5 days of prospector mapping of roadcuts and outcrops, and the collection of grab samples for assay. Bapty (1991) reported azurite and chalcopyrite in narrow bedding-parallel fractures in black argillaceous siltstones as well as calcite veins with two grab samples returning assay values of 0.24% (Sample #2487) and 0.25% Cu (Sample #2487). A sample of limonitic calcite breccia (Sample #52211) returned assay values of 0.98 % Cu and 3.4 ppm Ag (Bapty, 1991).

2012 – Geological mapping of NNW and NE trending Faults

Anderson (2013) conducted a mapping project on an area within the north central portion of the Koocanusa Project (Mineral Title #108159, Koo Bridge) to examine the area for gold potential. This area was recorded as one with low relief and little outcrop, but recent logging had improved access and added new road-cuts. A series of hard white alteration zones were found in the Gateway formation aligned along a NNW trend with a fault (Anderson, 2013). Minor galena and pyrite were noted as well as quartz vein float that was identified downslope of a fault. A detailed 1:20,000 geology, alteration, and structural map was created, but no follow up work was reported. The structural complexity of the Anderson (2013) geological map is instructive, as detailed geological mapping work will likely be required in the Project Area to trace out prospective strata and structures.

5.0 GEOLOGICAL SETTING AND MINERALIZATION

5.1 Regional Geology

The Koocanusa Property lies within the Purcell Mountains and is underlain by rocks of the Mesoproterozoic (~1.4 Ga) Purcell Supergroup (Figure 5.1). The Purcell Supergroup was deposited in an extensional basin and is primarily made up of siliciclastic and carbonate clastic rocks with minor amounts of mafic volcanic rocks. The basin extends from southeastern British Columbia into Idaho, western Montana and eastern Washington. This sedimentary basin is termed the 'Belt Basin' or the 'Belt Supergroup' in the United States and the Purcell Supergroup in Canada. Details of the Belt-Purcell Basin tectonic setting are still debated, but most models involve intracontinental rifting (Chandler, 2000; Sears et. al., 2004; Lydon, 2007).

Rocks of the Purcell Supergroup in Canada have been stratigraphically subdivided based on changes within the basin (Höy, 1993; Lydon, 2007; Gardner and Johnston, 2007). These changes in the basin have led workers to commonly split rocks into four informal groups: the Basal, the lower, the Middle Carbonate, and the upper Purcell (Gardner, 2008). In the United States these four units are referred to as the lower, the Ravalli, the Middle Carbonate, and the Missoula (Figure x).

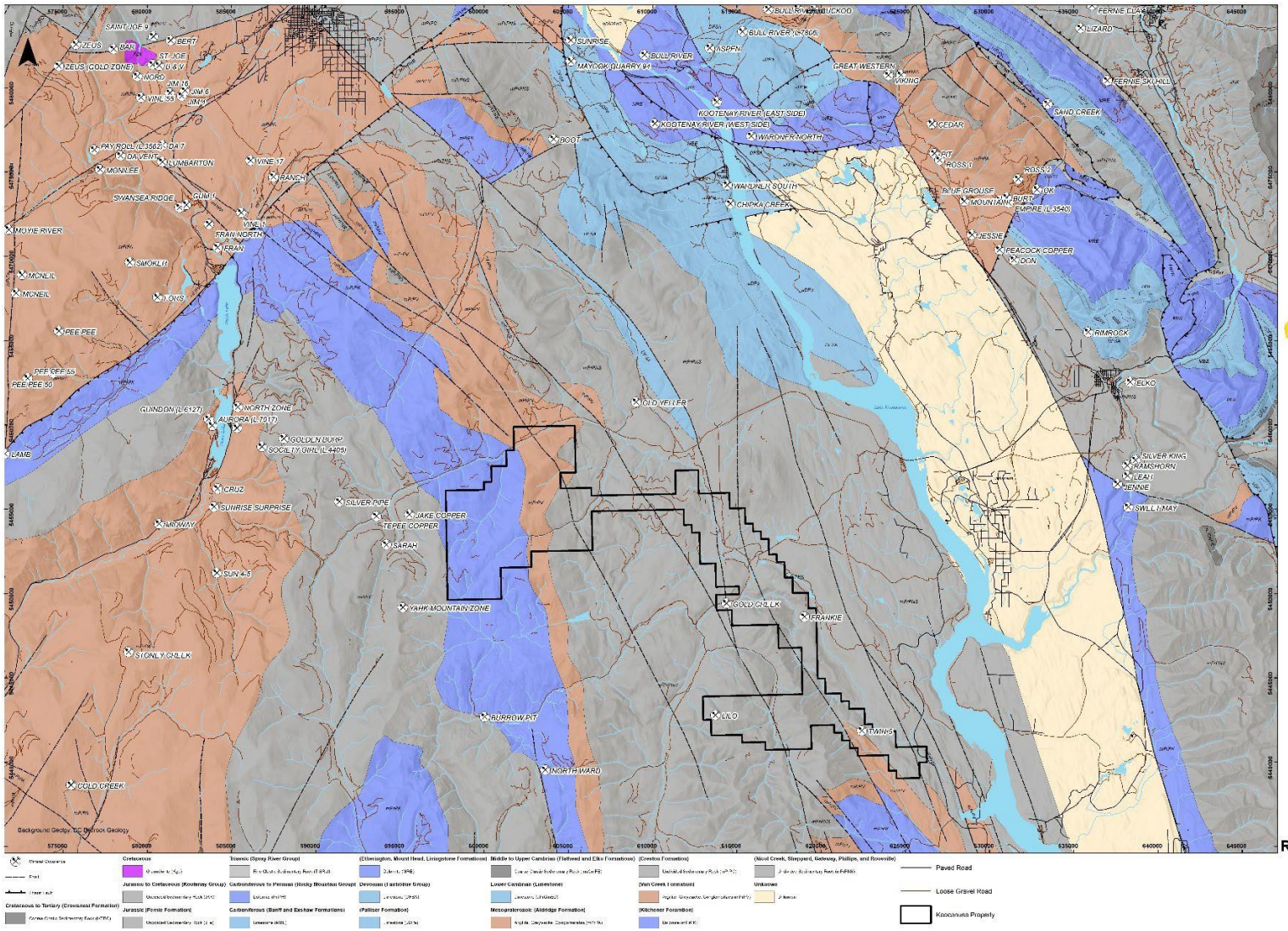
The rift system that created the Belt-Purcell basin is interpreted to have been active in two stages; the first of which was underway by 1470 Ma and involved an accumulation of 10 km of fine-grained turbidites and intercalated mafic sills (Price and Sears, 2000). These turbidite 'rift-fill' rocks are termed the Aldridge Formation and host the world-class Sullivan SEDEX Zn-Pb deposit (Lydon, 2007). The second phase of basin rifting led to the deposition of approximately 6 km of shallow water sediments (Price and Sears, 2000). These shallow-water sediments are made-up of fine-grained clastic and carbonate rocks that were deposited in mud flat, lagoonal, fluvial, and playa environments and are interpreted to represent a 'riftcover'

sequence (Lydon, 2007). It is the 'rift-cover' portion of the basin that contains sediment-hosted CuAg deposits in Montana (Hayes and Einaudi, 1986; Boleneus et al., 2005). The upper 'rift-cover' portion of the Purcell Supergroup has recently been interpreted to represent a transpressional pull-apart basin (Ross et. al., 2003; Gardner, 2008).

The 'rift-cover' sequence starts with siltstones and sandstones of the Creston formation, overlain by carbonates of the Kitchener Formation and then fine clastic rocks of the Van Creek Formation. A thick package of distinctive flood basalts, termed the Nicol Creek Formation, overlies these rocks. Coarse clastic and stromatolitic carbonate rocks of the Sheppard Formation locally sit on top of the Nicol Creek Formation. Shallow-water, fine-grained clastic rocks of the Gateway, Phillips and Roosville formations overlie the Sheppard formation (Höy, 1993).

Regional deformation has folded the Purcell Supergroup into a large north plunging anticlinorum with the oldest rocks of the Aldridge Formation at the core (Höy, 1993). The Purcell anticlinorium was formed as the Purcell Supergroup was thrust eastwards onto the cratonic margin of western North America in the late Mesozoic and Early Cenozoic (Price, 1981). A large number of thrust faults were created at this time, many of which were later reactivated at normal Faults (Höy, 1993).

The Rocky Mountain Trench lies to the east of the Project area and represents a broad structurally controlled valley that extends from Montana to the Yukon Territory and is floored by a thick sequence of Quaternary and Recent sand and gravel deposits (Höy, 1993). This trench separates the Purcell Mountains on the east from the Rocky Mountains on the west.



AEONIAN

SGDSHIVE

Koocanusa Project Regional Geology Map
Figure 5.1

Kilometers
1:100,000
NAD83 UTM Zone 11N
2022-01-21

5.2 Property Geology

The Koocanusa Project area was mapped by Leech (1960) and Höy and Carter (1988) and included in a compilation of the Purcell Supergroup by Höy et. al. (1995). It should be noted that the government sponsored geological mapping was regional in nature and is not in sufficient detail for use in exploration targeting of strata-bound mineralization. All of the rocks in the Project consist of the upper "Rift Fill" component of the Purcell Group Stratigraphy. This aspect is important because rocks of the Aldridge Formation in the lower Purcell Supergroup are reduced in nature and unlikely to host sediment-hosted Cu type deposits. The western and northwestern portion of the Property is underlain by the Kitchener and Van Creek formations (Figure x) with rocks of the Creston Formation exposed just west of the property boundary. The remainder of the Project area is underlain by the Upper Purcell, including rocks of the Van Creek, Nicol Creek, Sheppard, Gateway, and Phillips formations (Figure 5.2.1 and 5.2.2). A regional study of the Upper Purcell (Gardner and Johnston, 2007; Gardner. 2008) included measurement of sections and detailed unit descriptions. None of the measured sections from this study lie within the Property boundaries.

Kitchener Formation

The Kitchener Formation is a thick horizon of carbonate rocks that include oolitic limestone and dolomitic siltstone (Höy, 1993). This unit is informally referred to as the Middle Carbonate in the Belt-Purcell Basin.

Van Creek Formation

The Van Creek Formation consists of maroon or green interlayered siltstone and argillite. The unit is thinly bedded to laminated and locally fissile. Mud-chip breccias, ripple marks and desiccation cracks indicate that this unit was deposited in shallow water. Gabbro dikes and sills are relatively common near the top of the Van Creek Formation and may be interpreted as feeder dykes to the Nicol Creek Formation.

Nicol Creek Formation

The Nicol Creek Formation is a distinctive grey-green flood basalt unit (Höy, 1993) that is termed the 'Purcell lavas' where it exposed in Montana. The Purcell lavas are commonly used as a marker horizon within the basin due to their distinctive nature and relatively widespread occurrence. The Nicol Creek basalts have not been dated but a rhyolite to quartz latite flow from the Purcell lavas in Montana has an age of 1443 ±7 Ma age (Evans et al., 2000). The Nicol Creek Formation is dominated by vesicular and

amygdaloidal flows with vesicles and gas chambers locally providing well-defined top indicators to the flows. Plagioclase-porphyritic flows are also relatively common and are typically interlayered with the vesicular lavas. A general lack of pillow structures combined with the stratigraphic setting have led workers to interpret a subaerial eruption environment for these rocks (McGimsey, R., 1985; Höy, 1993). The Nicol Creek volcanic rocks have a subalkaline to alkaline, within-plate geochemical signature (Höy, 1993).

Sheppard Formation

The Sheppard Formation directly overlies volcanic rocks of the Nicol Creek Formation and is distinctive due to the local presence of well-developed stromatolitic rocks. The unit is reported as a calcareous sandstone and siltstone interspersed with stromatolitic and oolitic dolomitized limestone beds as well as massive non-calcareous sandstones by Gardner (2008). The Sheppard Fromation was originally mapped by Leech (1960) as the lower part of Gateway Formation but was later adopted as a separate formation by McMechan (1981). An unconformable relationship between the Sheppard and Nicol Creek formations has been suggested by Höy (1993) due to missing Nicol Creek strata and local presence of conglomerate at the base of the Sheppard.

Gateway Formation

The Gateway Formation appears to make up the majority of the bedrock on eastern and southern portion of the Property. The Gateway is comprised of fine-grained light grey and green siltstone and sandstone with minor dolomitic limestone (Gardner, 2008). The base of the Gateway was marked by Höy (1992) as the first appearance of rip-up clasts, desiccation cracks and salt casts. The presence of salt casts has been considered distinctive of the stratigraphically equivalent unit in Montana (O'Brien, 1968). The Gateway Formation fines upward with predominantly sandstone at the base and fine-grained siltstone and argillite near the top (Höy, 1992). The unit ranges from thin to thick bedded and ripple marks are common. Odd buff dolomite sequences have also been reported from this unit and the depositional environment is considered to be lagoonal (Gardner, 2008).

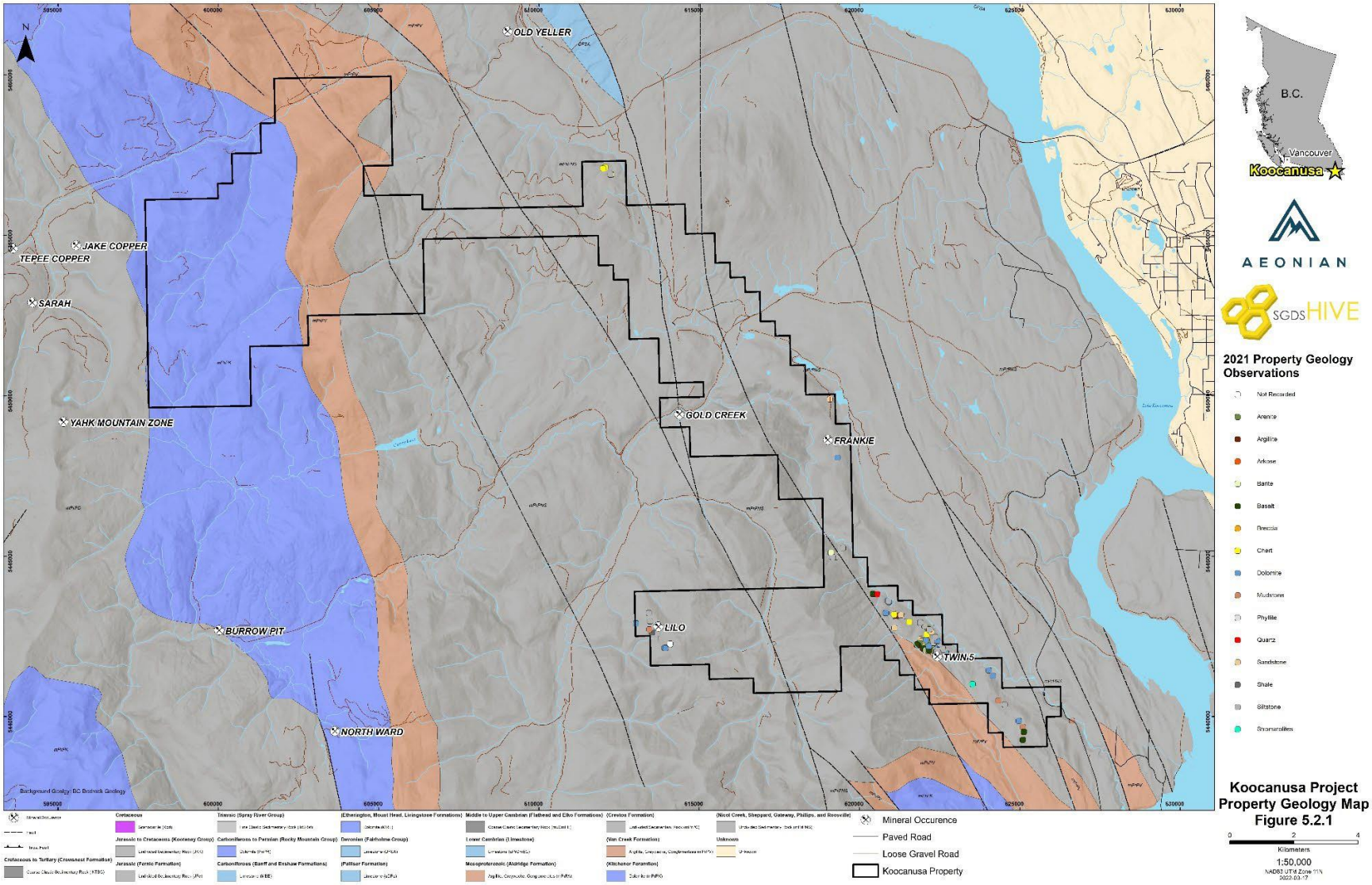
Phillips Formation

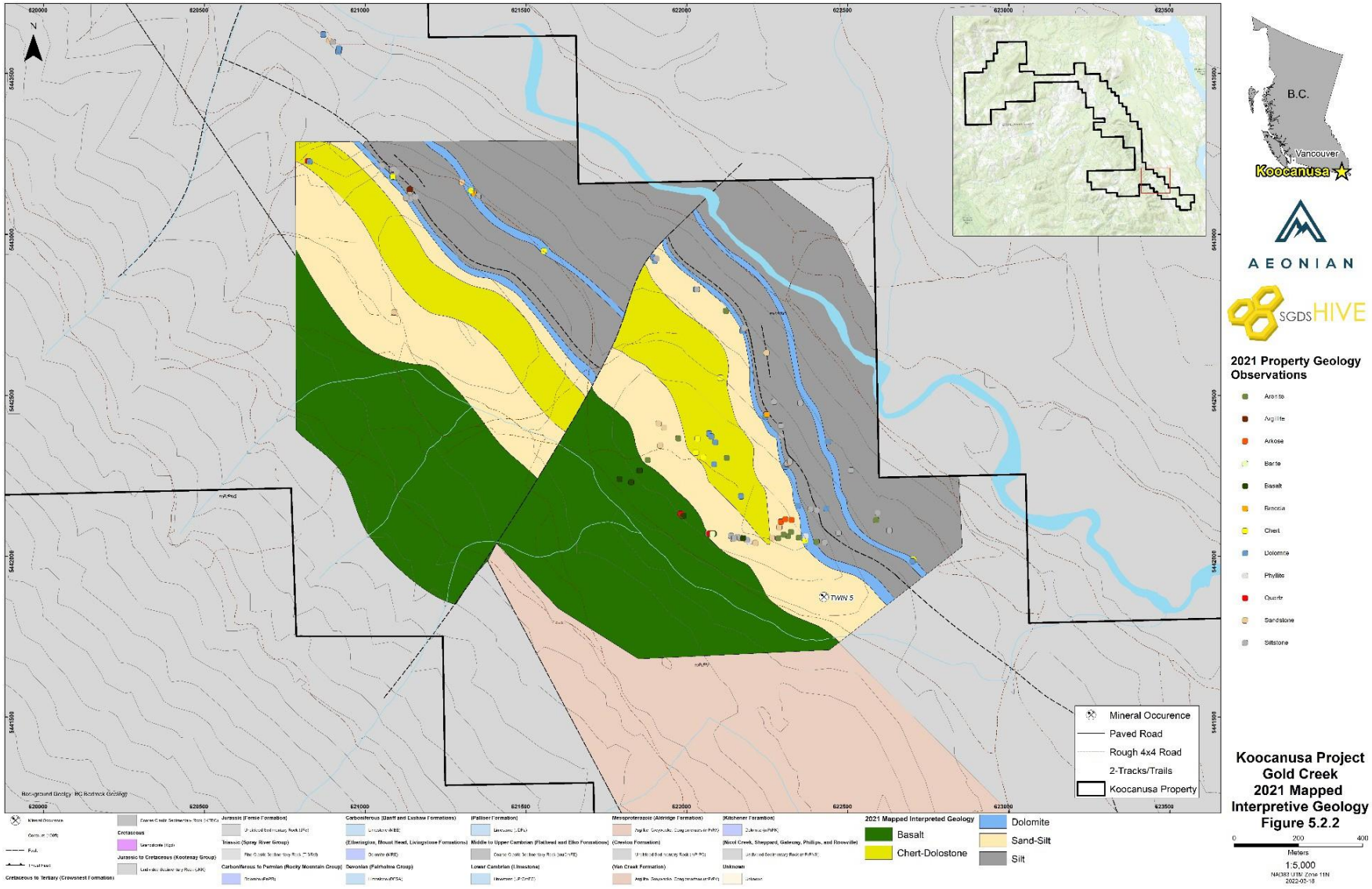
The Gateway is separated from the overlying Roosville Formation by a distinctive maroon siltstone and sandstone that is rich in muscovite and termed the ‘Phillips Formation’. Without this marker formation, it may

be impossible to identify the contact between the upper Gateway and the lower Roosville (Gardner and Johnston, 2007).

Roosville Formation

The Roosville Formation is described as a dark grey to green argillite and siltstone with fine to medium grained dolomitic sandstone that was deposited in a tidal flat lagoonal environment (Gardner, 2008). Gardner (2008) marks the base of the Roosville Formation as the first appearance of massive stromatolite beds within finely laminated dark grey to black argillite and siltstone.


OLD YELLER
JAKE COPPER
TEPEE COPPER
SARAH
YAHK MOUNTAIN ZONE
GOLD CREEK
FRANKIE
LILO
TWIN 5
BURROW PIT
NORTH WARD
B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
2021 Property Geology Observations
Not Recorded
Arenite
Argillite
Arkose
Barite
Basalt
Breccia
Chert
Dolomite
Mudstone
Phyllite
Quartz
Sandstone
Shale
Siltstone
Stromatolites
Mineral Occurence
Paved Road
Loose Gravel Road
Koocanusa Property
Koocanusa Project
Property Geology Map
Figure 5.2.1
Kilometers
1:50,000


B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
2021 Property Geology Observations
Arenite
Argillite
Arkose
Barite
Basalt
Breccia
Chert
Dolomite
Phyllite
Quartz
Sandstone
Siltstone
TWIN 5
Mineral Occurence
Paved Road
Rough 4x4 Road
2-Tracks/Trails
Koocanusa Property
2021 Mapped Interpreted Geology
Basalt
Chert-Dolostone
Dolomite
Sand-Silt
Silt
Koocanusa Project
Gold Creek
2021 Mapped
Interpretive Geology
Figure 5.2.2
0 200 400
Meters
1:5,000
NAD83 UTM Zone 11N
2022-05-18

6.0 DEPOSIT TYPES

Siliciclastic sedimentary rocks contain significant copper (Hitzman, 2000, 2010) and large cratonic basins filled with immature clastic sediments are, consequently, good source regions for this important resource. The Belt-Purcell basin has a thickness of at least 19 km in the central part of the basin in B.C. (Cook and van der Velden, 1995) and up to 18 km in the U.S. (Winston and Link, 1993). Sediment-hosted copper deposits are a major global source of copper and two of the three largest copper projects in the world that are currently in development are sediment-hosted (Mining, 2021). The majority of deposits are formed within Proterozoic-aged continental rift basins due to movement of moderately low pH oxidized fluids within permeable, shallow-water sedimentary and, more rarely, volcanic rocks (Brown, 1992; Cailteux et al., 2005). The largest and most prolific region for these deposits is the Central African Copper Belt of Zambia and the DRC, but deposits are found throughout the world (Cailteux et al., 2005; Hitzman et al., 2010). Canada hosts several known regions of sediment hosted copper mineralization, including the Belt-Purcell Basin in B.C. and the Janice Lake area (Delaney et al., 1995; Wheatley and Mazur, 2018) of Northern Saskatchewan.

Exploration for sediment-hosted copper mineralization in the upper Belt-Purcell Supergroup was spurred by the major discovery of the Spar Lake Deposit in 1963 by Bear Creek Mining in the Revett Formation (Hayes and Einaudi, 1986). The delineated deposit consisted of 58 million tonnes of 0.76% Cu and 54g/t Ag. Mining of the deposit, later known as the Troy Mine, commenced in 1981 by the room and pillar method (Hayes and Einaudi, 1986). Numerous additional sediment-hosted stratabound Cu-Ag deposits, including Rock Creek and Montanore, have been identified in the upper Belt-Purcell Basin in Montana (Boleneus et al., 2005). The entire Belt-Purcell Basin was more recently reported by the USGS to host at least 11 deposits and 36 occurrences of sediment hosted copper (Zientek et al., 2015). The principal ore minerals at the Troy Mine in Montana are native silver and three argentiferous copper sulfides noted as bornite, digenite and chalcocite (Hayes and Einaudi, 1986). Ore minerals were found to be intergranular, located between the clastic silicate grains. A major US Geological Survey of global sediment-hosted copper potential identified the Creston Formation of B.C. as having significant potential (Zientek et al., 2015). The same study identified copper mineralization in overlying strata including the Snowslip, Shepard, Mt. Shields, and Bonner Formations, equivalent to the exposed units on the Koocanusa property. This is consistent with the prior work in the Project area that has identified several sediment-hosted copper occurrences and recent work on adjacent properties.

Form of Mineralization

Sediment hosted Copper mineralization can take a variety of forms and may be accompanied by significant silver and/or cobalt. Deposits are less than 30 m thick, and more commonly less than 3 m thick, in sulfide-bearing zones

that are roughly concordant with the strata (Hitzman, 2010). Mineralization can be hosted in a variety of sedimentary rock types and the deposits may range from sheetlike, to tabular, to roll-front geometries (Hitzman, 2010). Mineralization is generally diagenetic with epigenetic mineralization also common (Cailteaux et al., 2005; Hitzman, 2010; Sillitoe, 2010). Copper, silver, cobalt, lead, and other metals are leached from minerals within the sedimentary and/or igneous rocks, carried through aquifers and precipitated. Syn-sedimentary faults may provide convenient conduits for the movement of mineralizing fluids (Mauk et al. 1992). Deposits are commonly dominated by chalcocite but have strong lateral and vertical zonation to bornite, then chalcopyrite, then pyrite (Cox et. al., 2003).

Mineralization may be accompanied by sulfide-bearing quartz-carbonate veins and veinlets (Sillitoe, 2010). Deposits in the Revett Formation of Montana are hosted in quartz-rich sandstone and a reductant in the form of pyritic sand bodies, or hydrocarbon fluids, is believed to have localized copper and silver mineralization (Boleneus et al., 2005; Hayes et al. 2012).

7.0 EXPLORATION

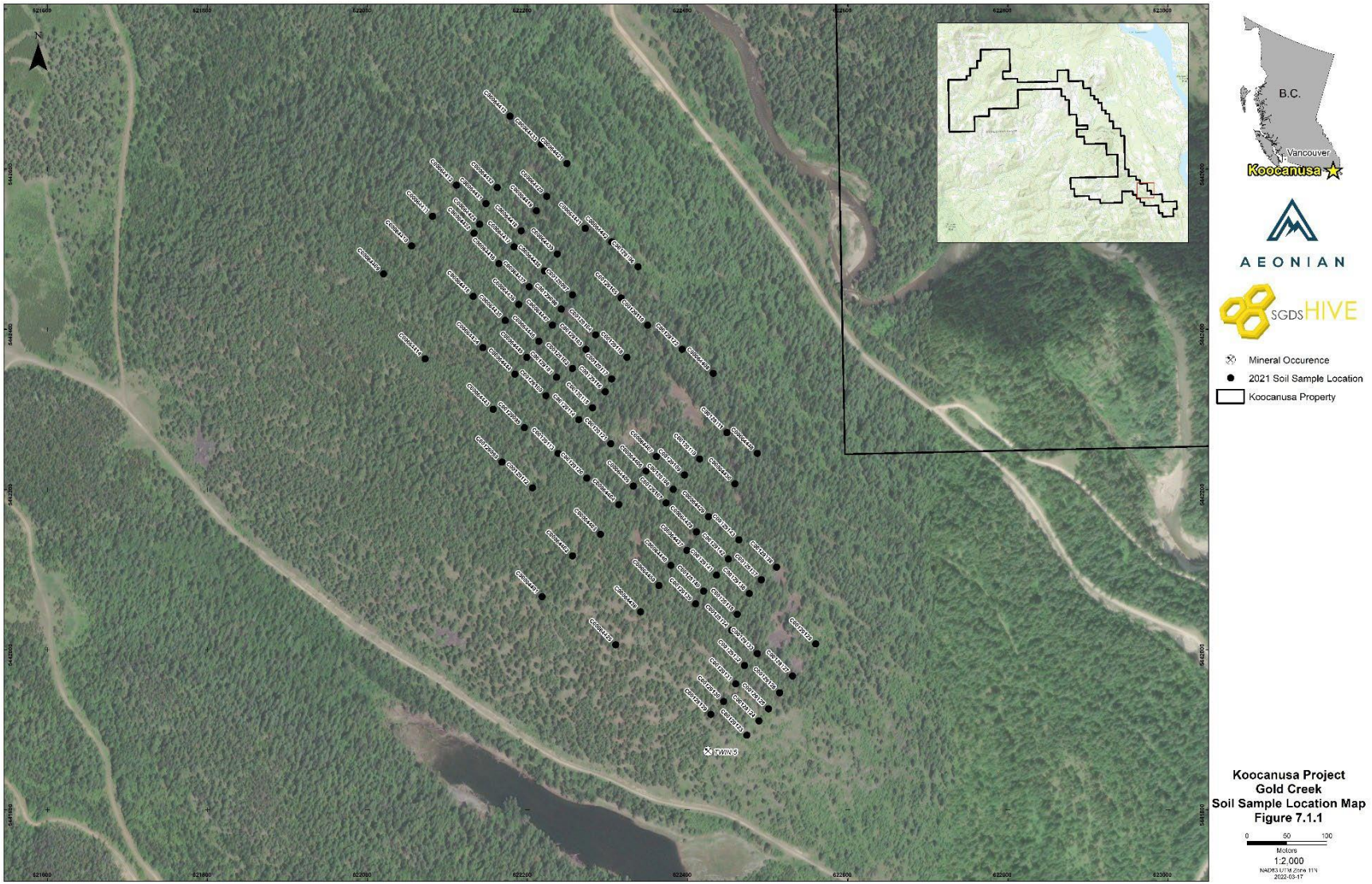
7.1 Soil Sampling

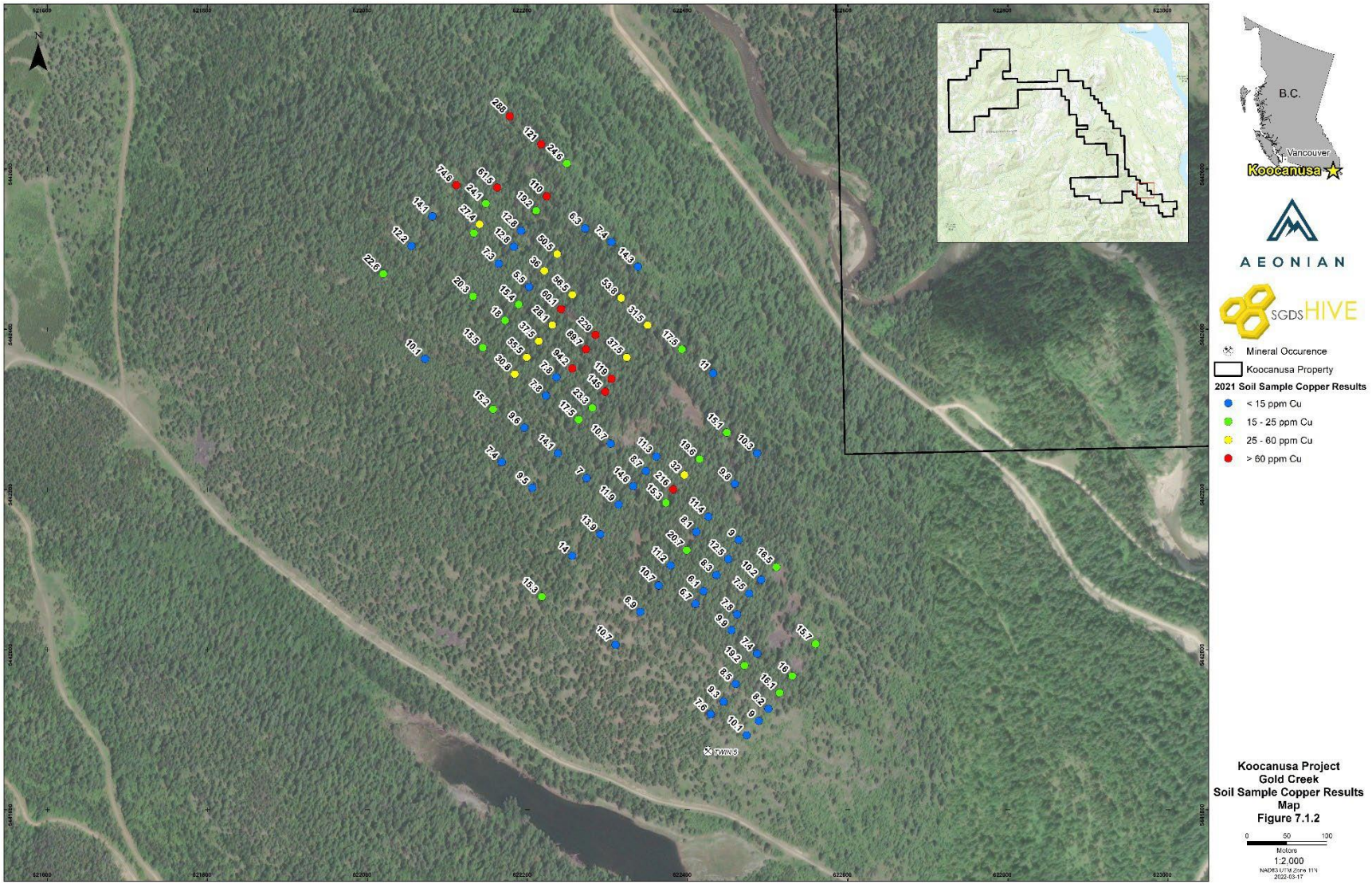
A soil sampling grid was established over a small section of the larger easterly trend as a “proof of concept” exercise. This grid corresponded with the area mapped and covered by ground magnetics during the same time period. The soils were collected during a single campaign in June 2022.

The soil grid was on a north-easterly facing slope that had recently been logged. Some areas of ground were disturbed and therefore not sampled, but the area of the projected copper trend was intact and readily sampled. The final grid covered 720m of strike length over the copper trend.

A total of 98 samples (including one quality control standard) were collected and sent to the lab for analysis.

Results from the grid returned up to 288ppm copper (0.03%), and clearly falls within the regional northwest to southeast trend that modern and historical rock samples have hinted at.


N
B.C.
Vancouver
Koocanusa
AEONIAN
SGDSHIVE
Mineral Occurence
2021 Soil Sample Location
Koocanusa Property
Koocanusa Project
Gold Creek
Soil Sample Location Map
Figure 7.1.1
0 50 100
Meters
1:2,000
NAD83 UTM Zone 11N
2022-03-17


B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
Mineral Occurence
Koocanusa Property
2021 Soil Sample Copper Results
< 15 ppm Cu
15 - 25 ppm Cu
25 - 60 ppm Cu
> 60 ppm Cu
Koocanusa Project
Gold Creek
Soil Sample Copper Results
Map
Figure 7.1.2
0 50 100
Meters
1:2,000
NAD83 UTM Zone 11N
2022-03-17

7.2 Rock Sampling

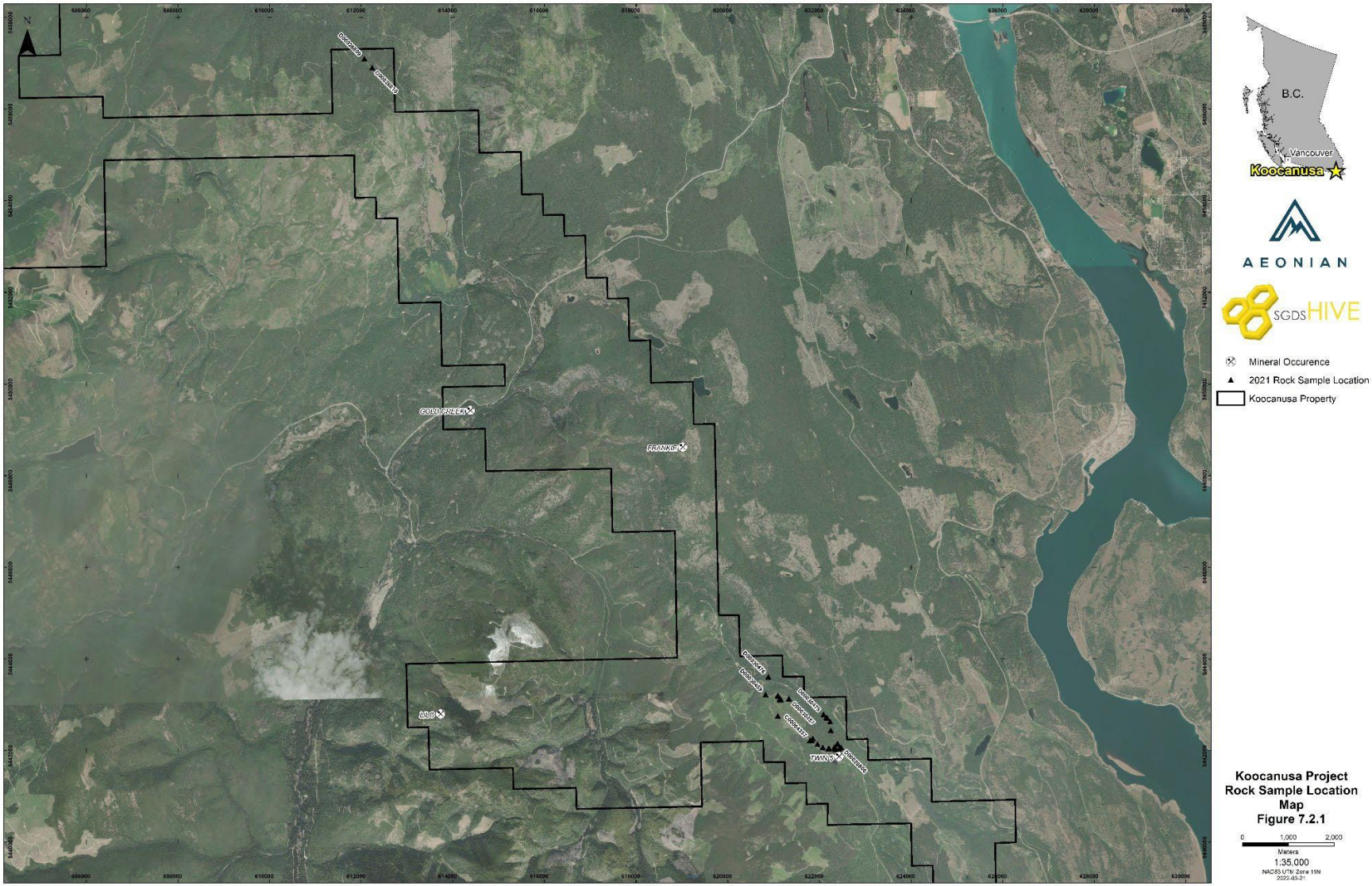
Rock samples were collected from project the site during several visits, initially focused on the "proof of concept" area with soils and ground magnetic surveys.

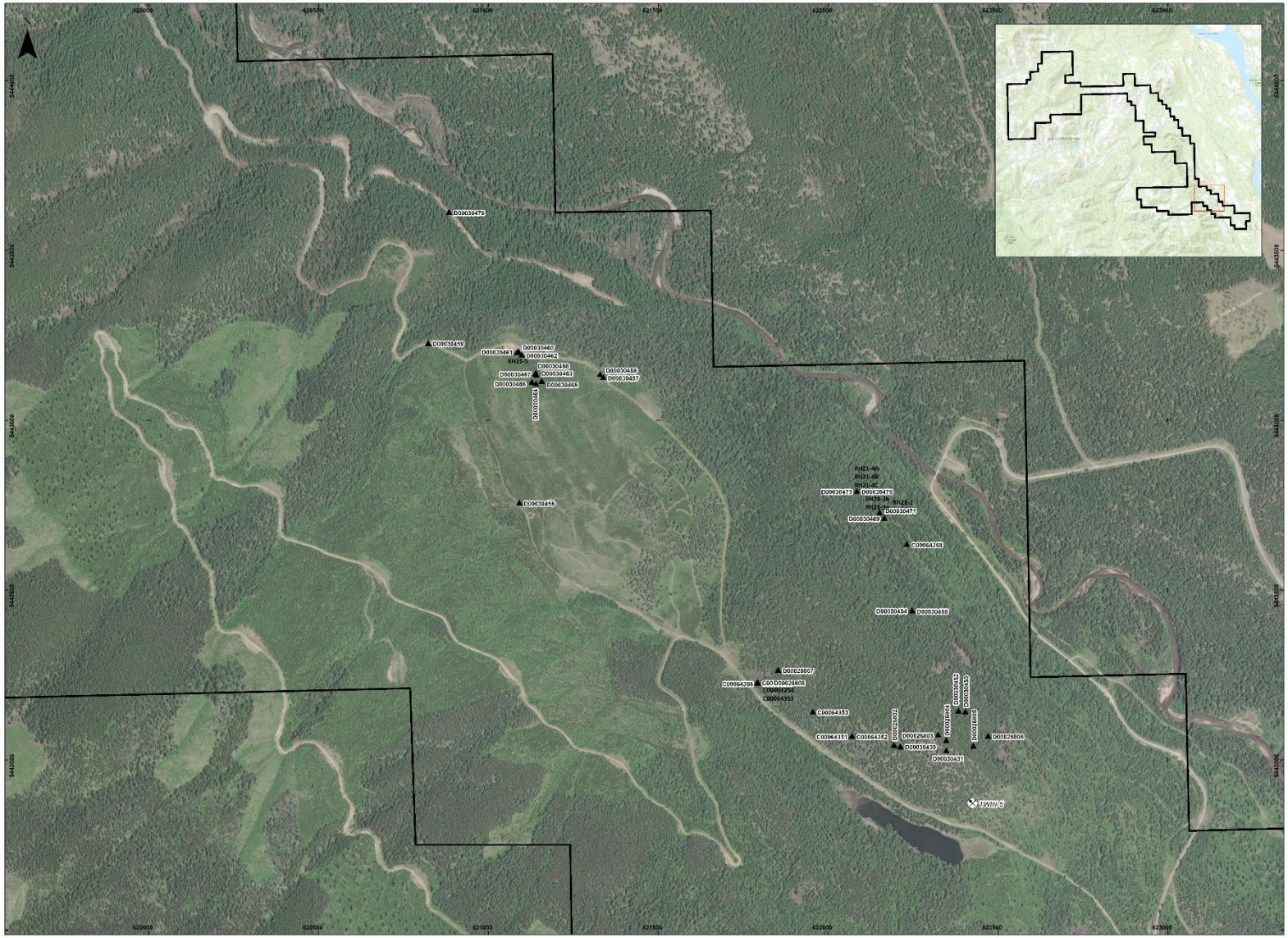
In total, 48 samples were collected from across the property, focused mainly on the eastern side. Building on observations in 2020, samples were often selected based on the presence of a deep hematite stain, manganese dendrites, or oxidation of disseminated sulphide. Samples of Nicol Creek basalt were also collected from the project to gather more geochemical information and to see if they could contribute to an enrichment of copper-cobalt in the above layers.

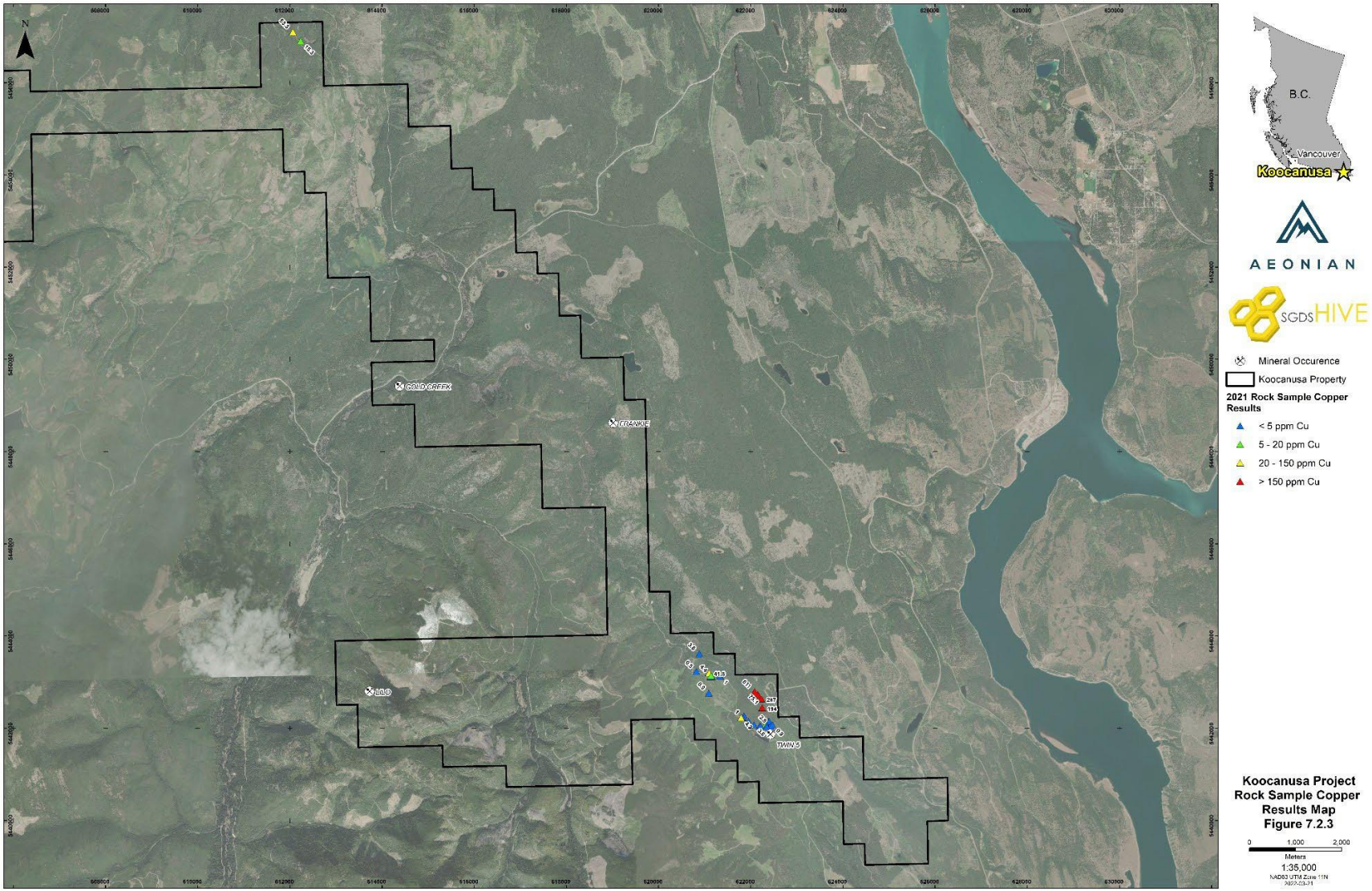
Sampling along the trend in the proof-of-concept test area led to the discovery of copper-bearing rocks (malachite, azurite) in a road cut and striking for 130m before disappearing down a vegetated embankment.

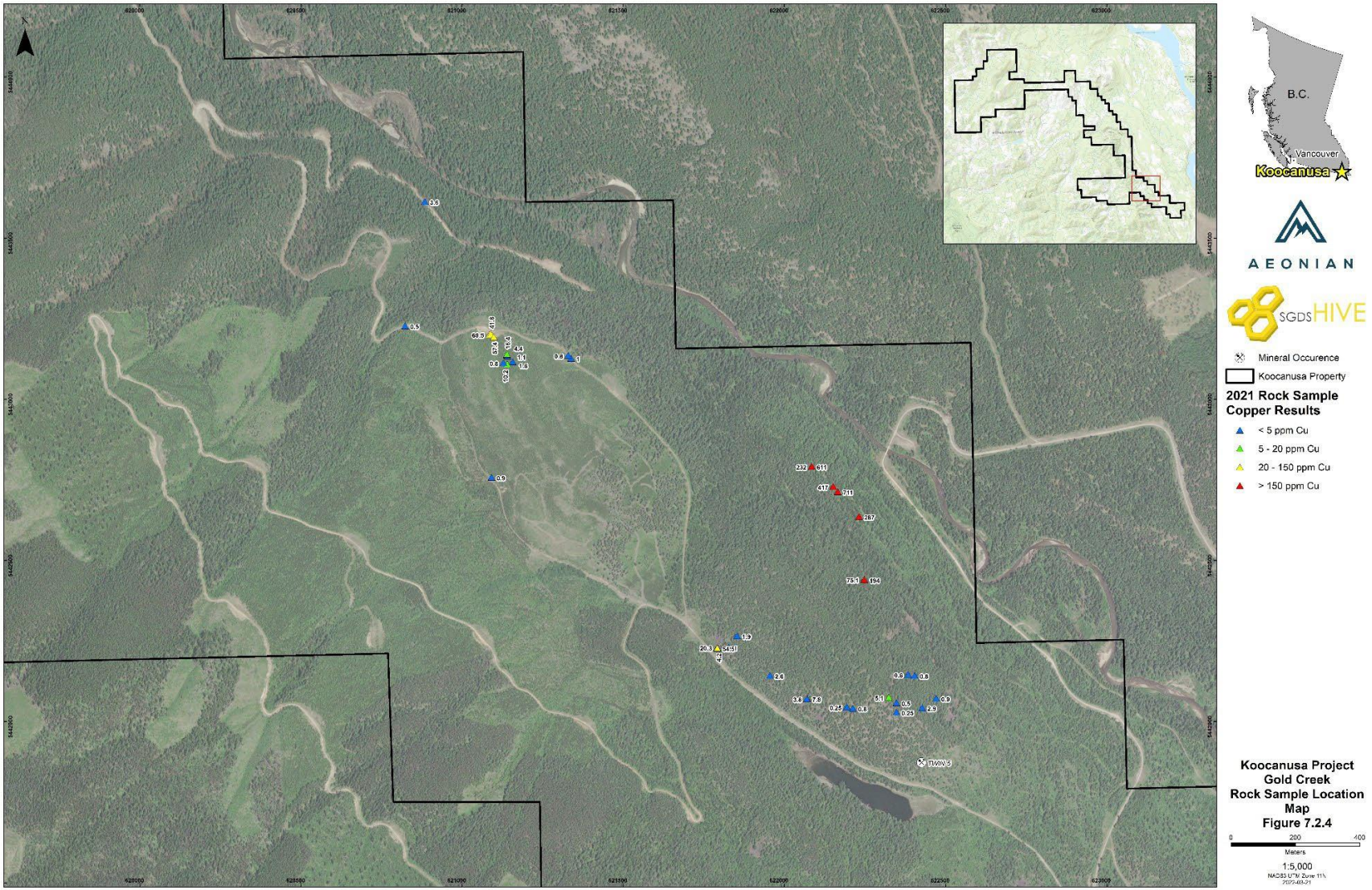
Results returned from trace to 969ppm copper (0.1%), with the highest copper values originating from siltstone and dolomitic rocks collected in the road cut along the soil trend.

Other prospecting was undertaken later in the season in the western blocks of the Koocanusa property. These are generally older than those on the eastern side (Creston Formation) and were present in several well-defined outcrops with excellent stratigraphy. Sulphides were present in the form of pyrite and minor chalcopyrite, although it was decided to leave systematic sampling and mapping to the 2022 season.


N
GOLD CREEK
FRANKIE
JILL
TWIN 5
B.C.
Vancouver
Koocanusa
AEONIAN
SGDSHIVE
Mineral Occurence
2021 Rock Sample Location
Koocanusa Property
Koocanusa Project
Rock Sample Location
Map
Figure 7.2.1
0
1,000
2,000
Meters
1:35,000
NAD83 UTM Zone 11N
2022-03-21


B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
Mineral Occurence
2021 Rock Sample Location
Koocanusa Property
Koocanusa Project
Gold Creek
Rock Sample Location Map
Figure 7.2.2
0
200
400
Meters
1:5,000
NAD83 UTM Zone 11N
2022 02 21


N
GOLD CREEK
TRANKIE
JILL
TWIN 5
B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
Mineral Occurence
Koocanusa Property
2021 Rock Sample Copper Results
< 5 ppm Cu
5 - 20 ppm Cu
20 - 150 ppm Cu
> 150 ppm Cu
Koocanusa Project
Rock Sample Copper
Results Map
Figure 7.2.3
0
1,000
2,000
Meters
1:35,000

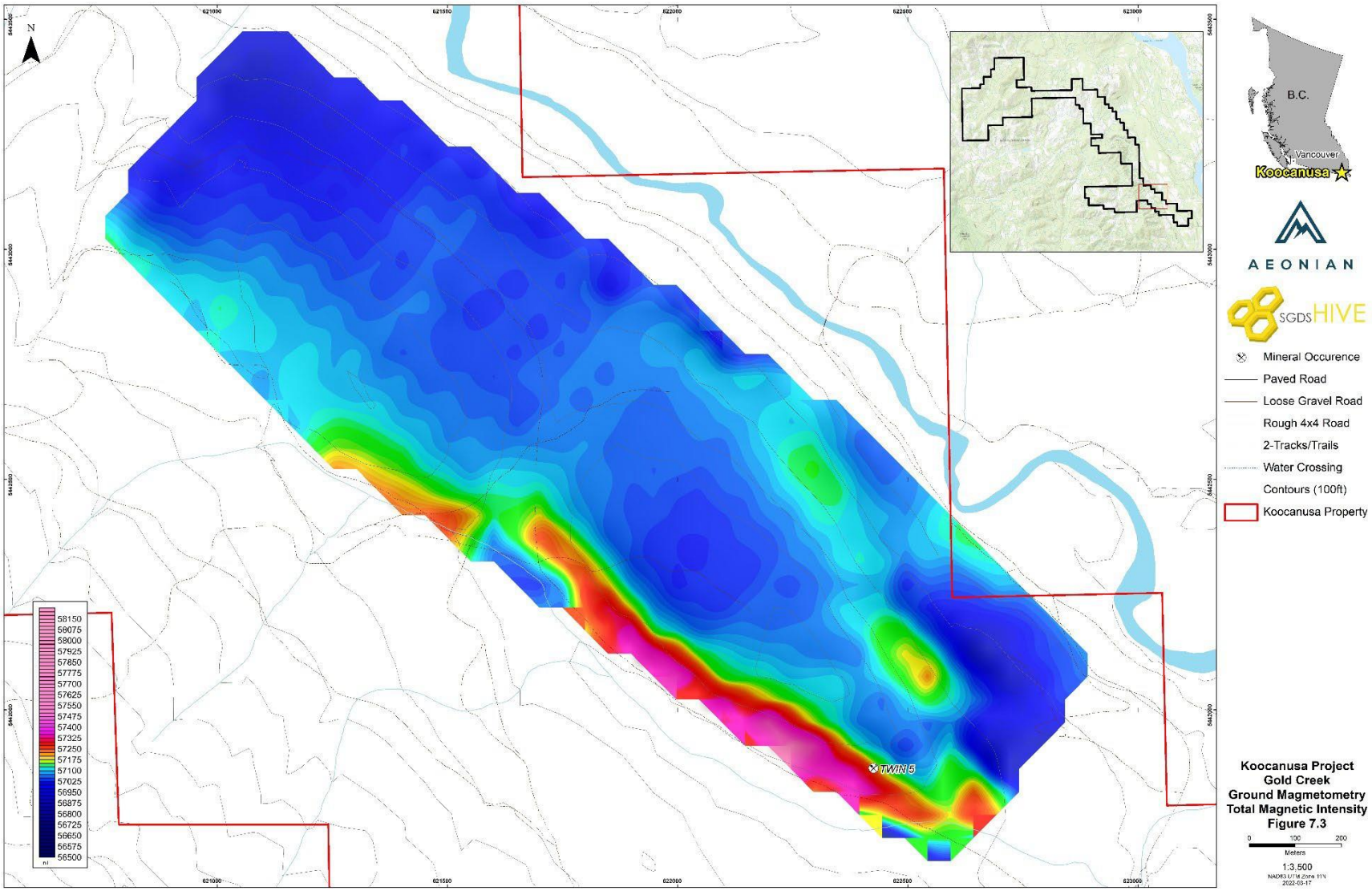

B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
Mineral Occurence
Koocanusa Property
2021 Rock Sample Copper Results
< 5 ppm Cu
5 - 20 ppm Cu
20 - 150 ppm Cu
> 150 ppm Cu
Koocanusa Project
Gold Creek
Rock Sample Location Map
Figure 7.2.4
0
200
400
Meters
1:5,000

7.3 Magnetometry

The purpose of the survey was to measure the magnetic intensity and geometry within the survey area to aid in geological mapping, as well as detect structures in the underlying bedrock which could host gold mineralization. The survey was conducted with two backpack mounted GSM-19W Overhauser "Walking" magnetometers and a stationary GSM-19T "Proton" base station unit, which was set up to record diurnal variations in the regional magnetic field during the survey. Positioning data was provided by handheld Garmin GPS64 units which were carried by each instrument operator in the field. Following the completion of the survey, a set of corrections and quality control (QC) procedures were applied to the magnetic data file including diurnal correction, low-pass noise reduction, and individual operator leveling. After this QC process was completed, the data was interpolated using industry-standard Golden Surfer 12 software. After gridding, high-resolution Total Magnetic Intensity (TMI) imagery was exported as a georeferenced TIFF image with matching contour shapefile. An additional Google Earth overlay was also created from the same magnetic data.

The results from the survey clearly show the Nicol Creek Basalt as a magnetic "high" along the southwestern edge of the survey grid. This appears to be interrupted halfway long by a fault which falls within the valley.

An anomalous "ridge" of a magnetic high can be seen striking northwest to southeast which aligns with the copper trend picked up in rocks and soils. This suggests that the copper-bearing horizons could have a magnetic signature which is useful for future exploration.


N
581.50
580.75
580.00
579.25
578.50
577.75
577.00
576.25
575.50
574.75
574.00
573.25
572.50
571.75
571.00
570.25
569.50
568.75
568.00
567.25
566.50
565.75
565.00
nT
TWIN 5
B.C.
Vancouver
Koocanusa
AEONIAN
SGDS HIVE
Mineral Occurence
Paved Road
Loose Gravel Road
Rough 4x4 Road
2-Tracks/Trails
Water Crossing
Contours (100ft)
Koocanusa Property
Koocanusa Project
Gold Creek
Ground Magmetometry
Total Magnetic Intensity
Figure 7.3
0
100
200
Meters
1:3,500
NAD83 UTM Zone 11N
2022-03-17

7.4 Geological Mapping

Mapping withing the proof-of-concept area was completed over several visits to the site and tracks a stratigraphy starting at the Nicol Creek Basalts and then into the lower Sheppard Formation (Figure 5.2.2).

The lower contact is sharp – with a layer of fine sandstone in direct contact with the basalt, but it is not erosional. Stromatolites are commonly affixed to the basalt forming reefs, indicating the presence of shallow water.

The sediments often show evidence of ripple marks and some desiccation cracks with rare raindrop imprints which suggesting a tidal lagoon. The siltstones are often massive and pass upwards into a coarser sandstone with more extensive stromatolite reefs.

The succession then trends towards a deeper water environment, with finer siltstone, dolomite and rare mudstones and cherts. The copper-bearing horizon occurs within and between two distinct dolomitic layers and a fine sandstone. The copper is associated with manganese dendrites, hematite staining and a distinct layer of garnetiferous sandstone which appears to form below directly below copper-bearing horizons. These garnets have been noted elsewhere on the property, such as Lilo, and could be a useful marker horizon.

Observations of outcrops elsewhere on the property seem to indicate a general shallowing of the basin to the north, with more high-energy / erosional features. The stromatolite reefs become massive, often 30 meters wide or more, and deep scoured channels, rip-up clasts and fan deposits were all noted around the pipeline road. To the west the rocks were very similar to those seen in the east, despite being older. Cubic pyrite was commonly observed in the units, as were layers of massive sulphide that resisted sampling (needed heavier duty tools). These areas will be explored in depth during 2022.

8.0 DRILLING

No drilling was planned or completed during this reporting period.

9.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

9.1 Soil Samples

The soil samples were collected using an auger tool with the aim to target the B soil horizon usually between 15-40cm. The samples were then placed in a paper soil bag with a unique sample tag and sealed. The location was recorded on a handheld Garmin GPS receiver in the standard UTM NAD83 Zone 11 format.

When the samples were compiled to get ready for delivery, prepackaged standards purchased from OREAS and sample blanks made of dolomite purchased at a hardware store were inserted into the sample sets for QAQC procedures. The soil samples were then bagged with a unique security tag and hand delivered to SGS labs in Burnaby, BC for analysis. The soil samples were submitted to SGS labs in Burnaby, BC for analysis. SGS is an International Standards Organization (ISO) 9001 Geochemical and assaying laboratory.

The soil samples once in the lab were weighed and put through two testing streams. Both procedures started with drying the sample and crushing it until desired grain size was reached. To homogenize and obtain a nonbiased sample, the crushed sample was put through a rifle splitter until the desired sample weight was achieved. The gold grade was then determined from a 30 g sample. This sample was then processed using lead collection fire assay and finished with Atomic Absorption Spectroscopy (AAS.) For the rest of the elements, the sample was processed first using an aqua regia digest of the homogenized rifle split sample and then tested using Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES.)

9.2 Rock Samples

The 2021 rock samples were collected using a hammer from outcrops, talus, or boulders. Samples were placed in a poly ore bag with a sample tag marked with unique sample number also placed inside each sample bag and sealed with a cable tie. The site position was recorded using a handheld GPS receiver in UTM NAD83 Zone 11 format. Once taken, the samples were kept in a secure location while the program was still underway.

When the samples were compiled to get ready for delivery, prepackaged standards purchased from OREAS and sample blanks made of dolomite purchased at a hardware store were inserted into the sample sets for QAQC procedures. The rock samples were then bagged with a unique security tag and hand delivered to SGS labs in Burnaby, BC for analysis. SGS is an International Standards Organization (ISO) 9001 Geochemical and assaying laboratory.

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10.0 ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL OR COMMUNITY IMPACT

No studies of such kind were undertaken during this reporting period.

11.0 INTERPRETATION AND CONCLUSIONS

The core aim of the 2021 exploration work was to provide proof-of-concept of continuous, sediment-hosted copper mineralization within the strata at Koocanusa. I feel that the culmination of the mapping, soil sampling and magnetic survey have achieved this over a small section, and with the discovery of malachite / azurite / chalcopyrite in a section, we can confidently state that Koocanusa does indeed host sedimentary copper.

12.0 RECOMMENDATIONS

Future work at Koocanusa will need to focus on a) extending the strike of the copper trends within the stratigraphy and b) assessing overall grade (i.e. sourcing pockets of higher grade material). The following recommendations are made:

- **Extend Soil Grids:** Soil sampling proved successful at distinguishing the overall trend and as such should be continued. Extending the current grid to the northwest and southeast would be the initial recommendation. Similar grids could then be planned at or around the Frankie and Gold Creek showings to see if similar trends occur. Lilo should also have an extensive soil program completed to link together and understand the historical higher-grade copper results.
- **Stratigraphic Mapping:** Understanding the prospective layers and if the copper is accumulating in different sediments as the facies change across the basin. This will be key for tracing the continuity of copper deposits over the property-wide trends.

- **Trenching:** If a relevant permit could be secured, trenching across the copper-trend to bedrock would be beneficial in collecting new samples for assaying, and understanding the width of the copper mineralization.
- **Stream Sediment Sampling:** The eastern copper-trend cuts several small, restricted drainages. Collecting stream sediments from these will complement the spaced-out soil grids and help define a more regional context to the copper (and other) mineralization.

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14.0 STATEMENT OF QUALIFICATIONS

I, Andrew Randell with business address SGDS Hive, 330-470 Granville Street, Vancouver, British Columbia, V6C 1V4, do hereby certify that:

1. I am Principal Geoscientist of SGDS Hive Geological, 330-470 Granville Street, Vancouver, British Columbia, V6C 1V4

2. I graduated with a bachelor's degree in Environmental Geoscience from the University of Wales, College of Cardiff.

3. I have worked as a geologist for a total of 15 years, particularly in various geological environments in Western Canada.

4. I prepared and / or reviewed all sections of this assessment report titled "2020 Exploration Program on the Koocanusa Project"

5. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not reflected in the Assessment Report, the omission to disclose which makes the Assessment Report misleading.

6. I am not independent of the issuer as I also hold the assets of Aeonian Resources.

Appendix 1 - Soil Sampling Summary Tables

STATION DATE	SAMPLE NUMBER	UTM EASTING	UTM NORTHING	Sampled From	Bedrock Clasts?	SAMPLE DESCRIPTION
07-Jun-2021	C00064421	622249	5442607	C Horizon	Yes	Sampled from C horizon orange brown silty sand with angular clasts. sampled from disturbed ground near road. Chip sample collected.
07-Jun-2021	C00064420	622224	5442566	C Horizon	Yes	A horizon 3cm, C horizon 3cm-00. Red brown sandy clay. Many angular to pebble sized clasts. Chip sample collected
07-Jun-2021	C00064409	622020	5442469	B Horizon	Yes	Red brown clay with sub angular cobble pebble clast next to pile of trees
07-Jun-2021	C00064411	622081	5442541	BC Horizon	Yes	Grey brown clay sand with angular cobble clasts next to coniferous tress on a step slope
07-Jun-2021	C00064412	622111	5442580	BC Horizon	Yes	Red brown silt with cobble clasts size taken next to coniferous trees on a step slope
07-Jun-2021	C00064410	622055	5442504	B Horizon	Yes	Red brown clay with rounded pebbles and cobbles, sample taken from a cut block on a step slope
07-Jun-2021	C00064415	622132	5442441	BC Horizon	Yes	Grey brown Clay sand matrix with angular cobble clasts on a cut block, steep slope
07-Jun-2021	C00064416	622164	5442482	C Horizon	Yes	Clay sand c horizon with angular pebbles and cobbles. Taken on a cut block down on a steep slope.
07-Jun-2021	C00064413	622178	5442666	BC Horizon	Yes	Clay rich red brown with angular pebble cobble clasts
07-Jun-2021	C00064414	622072	5442363	BC Horizon	Yes	Orange brown clay with cobbles, taken on a cut block above the road
07-Jun-2021	C00064417	622183	5442503	BC Horizon	Yes	Red brown clay with angular pebble clasts. Taken on a cut block down a steep slope
07-Jun-2021	C00064418	622192	5442523	BC Horizon	Yes	Red brown clay sand with angular pebble clasts. Taken on a cut block down a steep slope.
07-Jun-2021	C00064422	622133	5442520	C Horizon	Yes	Red brown clay sand with angular cobbles. Taken on a cut block down a steep slope.
07-Jun-2021	C00064419	622211	5442548	C Horizon	Yes	Red brown sand with large cobble size clasts. Taken on cut block down a steep slope.
07-Jun-2021	C00064424	622140	5442531	C Horizon	Yes	Red brown clay sand with angular cobbles. Taken on a cut block on a steep slope.
07-Jun-2021	C00064431	622148	5442557	C Horizon	Yes	Red brown silt sand with angular cobble clasts. Taken on a cut block down a steep slope.
07-Jun-2021	C00064432	622162	5442577	C Horizon	Yes	Red brown clay sand with angular cobbles clasts. Taken on a cut block down a steep slope
07-Jun-2021	C00064433	622217	5442631	C Horizon	Yes	Red brown clay sand with angular pebble clasts. Taken on a cut block down a steep slope.
07-Jun-2021	C00064434	622144	5442377	BC Horizon	Yes	Red brown clay sand with angular cobble clasts. Taken on a cut block down a steep slope.
07-Jun-2021	C00064436	622189	5442431	C Horizon	Yes	Red brown Sandy with. Little clay, angular pebble clasts, almost 90% rock. Taken on a cut block down a steep slope.
07-Jun-2021	C00064435	622172	5442411	C Horizon	Yes	Red brown clay sand with angular pebble clasts. Taken on a cut block down a steep slope.

07-Jun-2021	C00064437	622202	5442453	Be Horizon	Yes	Grey clay rounded pebble clasts. Taken from a cut block down a steep slope.
07-Jun-2021	C00064440					Standard sample
07-Jun-2021	C00064439	622237	5442494	C Horizon	Yes	Red brown Sandy clay with angular pebbles clasts. Taken in a cut block down a steep slope.
07-Jun-2021	C00064441	622272	5442526	Be Horizon	Yes	Grey clay with no clasts. Taken in a cut block down a steep slope
07-Jun-2021	C00064438	622221	5442473	C Horizon	Yes	Brown sandy clay with angular pebble clasts. Taken from a cut block down a steep slope.
07-Jun-2021	C00064442	622305	5442509	BC Horizon	Yes	Red brown clay sand with angular pebble clasts. On a steep slope next to coniferous trees.
08-Jun-2021	C00064446	622214	5442385	BC Horizon	Yes	BC horizon is silty clay with angular pebble clasts. Sample collected from steep slope in cutblock.
08-Jun-2021	C00064443	622157	5442300	BC Horizon	Yes	BC horizon is a sandy clay with angular pebble to cobble sized clasts. Sampled near old trail on moderate slope in cutblock.

08-Jun-2021	C00129098	622168	5442234	BC Horizon	Yes	BC horizon red brown clay sand. Sample collected near road. Taken near road.
08-Jun-2021	C00129100	622223	5442317	BC Horizon	Yes	BC horizon is brown silty clay with angular pebble. Moderate slope on cutblock.
08-Jun-2021	C00129096	622242	5442425	B Horizon		B horizon is orange brown clay with rounded pebble clasts. Below bench on steep slope in cut block.
08-Jun-2021	C00129099	622196	5442277	BC Horizon	Yes	BC is brown grey sandy clay. Angular pebble to cobble sized clasts. Taken from cutblock on moderate slope
08-Jun-2021	C00064447	622231	5442405	BC Horizon	Yes	BC horizon is a silty clay with angular pebble sized clasts. Cutblock. Steep slope.
08-Jun-2021	C00129097	622256	5442443	C Horizon	Yes	C horizon is a brown sandy clay. Angular pebble clasts. Steep slope. In cutblock.
08-Jun-2021	C00129101	622236	5442340	B Horizon	Yes	B horizon is yellowish brown silty clay with rounded pebble clasts. Steep slope in cut block
08-Jun-2021	C00129104	622285	5442393	BC Horizon	Yes	BC horizon is red clay sand with angular clasts. Steep slope below bench in cutblock.
08-Jun-2021	C00129106	622338	54424778	C Horizon	Yes	C horizon is a brown silty sand. Moderate slope near road
08-Jun-2021	C00129102	622256	5442351	B Horizon		B horizon is brown clay silt with sub angular to rounded pebble clasts. Steep slope in cutblock.
08-Jun-2021	C00129105	622317	5442439	B Horizon	Yes	Buried B horizon yellow brown silt with subangular pebble clasts.
08-Jun-2021	C00129103	622273	5442375	BC Horizon	Yes	BC horizon brown clay sand with angular pebbles. Near bench in cut block.
08-Jun-2021	C00129108	622382	5442200	C Horizon	Yes	BC horizon is clay sand with angular pebbles. Steep slope on cutblock.
08-Jun-2021	C00129110	622415	5442238	C Horizon	Yes	C horizon is brown clay sand with angular pebbles. Steep slope in cutblock.
08-Jun-2021	C00129109	622396	5442218	C Horizon		C horizon is red brown clay sand with many angular clasts. Steep slope in cutblock.
08-Jun-2021	C00129107	622373	5442183	BC Horizon	Yes	Sample taken from steep slope in cutblock. BC horizon is a sandy clay with angular pebble clasts. Clasts are red weathered siltstone
08-Jun-2021	C00064445	622199	5442365	BC Horizon	Yes	Sample taken from steep cut block. BC horizon is a clay silt with angular cobble to pebble clasts. Clasts are red heavily weathered mudstone.
08-Jun-2021	C00129111	622449	5442271	BC Horizon	Yes	Sample taken from steep slope in cutblock. BC horizon is red brown with a sandy clay matrix. Clasts are angular pebble to cobble sized.
08-Jun-2021	C00064444	622184	5442344	BC Horizon	Yes	Sample taken from steep cut block. BC horizon is a clay sand with angular cobble to pebble clasts. Clasts are red weathered silicified mudstone.
09-Jun-2021	C00129115	622281	5442302	C Horizon	Yes	C horizon is a clay sand with angular pebbles. Moderate slope in cutblock.
09-Jun-2021	C00129114	622264	5442287	B Horizon	Yes	B horizon is brown clay. Sampled from bench in cutblock.
09-Jun-2021	C00129113	622238	5442245	C Horizon	Yes	C horizon is a reddish brown silty sand with angular pebble clasts. sample collected from moderate slope in

						cutblock.
09-Jun-2021	C00129112	622206	5442202	BC Horizon	Yes	BC horizon is brown grey clay silt. Near disturbed area in cutblock. Gentle slope.
09-Jun-2021	C00129117	622305	5442338	C Horizon	Yes	C horizon is red brown silt with angular pebble clasts. Steep slope in cutblock.
09-Jun-2021	C00129119	622350	5442405	BC Horizon	Yes	BC horizon is rusty brown silt with angular pebble fragments.
09-Jun-2021	C00129118	622324	5442365	C Horizon	Yes	C horizon is brown grey clay sand. Steep slope in cutblock.
09-Jun-2021	C00129121	622304	5442257	B Horizon	Yes	B horizon is brown silty sand with rounded pebble fragments. Moderate slope in open coniferous forest patch.
09-Jun-2021	C00129120	622274	5442214	C Horizon	Yes	C horizon is pale brown silt with angular pebbles. Moderate slope on cutblock.
09-Jun-2021	C00129116	622297	5442322	C Horizon	Yes	C horizon is clay sand with angular pebble fragments. Steep slope in cutblock.

09-Jun-2021	C00129123	622474	5441893	C Horizon	Yes	C horizon is brownish grey silt with angular pebble to cobble fragments. Moderate slope in coniferous forest.
10-Jun-2021	C00129140	622420	5442073	C Horizon	Yes	C horizon is brown clay sand. Steep slope in edge of cutblock.
10-Jun-2021	C00129139	622410	5442057	C Horizon	Yes	C horizon is greyish brown silty sand. Moderate slope in edge of cutblock.
10-Jun-2021	C00129141	622436	5442093	B Horizon	Yes	B horizon is brown clay sand with rounded pebbles. Steep slope in edge of cutblock.
10-Jun-2021	C00129143	622464	5442137	C Horizon	Yes	C horizon is brown clay sand with angular pebbles. Steep slope in edge of cutblock.
10-Jun-2021	C00129142	622451	5442113	C Horizon	Yes	C horizon is brown clay sand with angular pebbles. Steep slope in edge of cutblock.
06-Jun-21	C00064449	622379	5442105	BC Horizon	[No]	Clay red-brown with large sub-angular clasts, no bedrock chip tray samples. Sample taken on a steep slope next to coniferous trees.
06-Jun-21	C00064429	622426	5442166	BC Horizon	[Yes]	Red brown clay sub angular clasts. Sample taken in a steep slope next to coniferous trees.
06-Jun-21	C00064425	622310	5442006	BC Horizon	[Yes]	Grey Clay rich with sub angular clasts. Sample taken on a steep slope next to coniferous trees
06-Jun-21	C00064426	622341	5442047	B Horizon	[No]	Red brown silty sand with no clasts, sample taken on a moderate slope next to coniferous trees.
06-Jun-21	C00064450	622364	5442080	BC Horizon	[Yes]	Red brown clay with sub angular clasts, sample taken on a steep slope next to coniferous trees.
06-Jun-21	C00064427	622399	5442124	B Horizon	[No]	Light red brown clay rich with no clasts. Sample taken on a steep slope next to coniferous trees.
06-Jun-21	C00064401	622218	5442066	B Horizon		Ae horizon above b, b horizon is silt matrix with rounded pebble clasts. Sample taken near forestry road near coniferous trees on gentle slope.
06-Jun-21	C00064402	622256	5442117	BC Horizon		BC horizon is red grey with silty sand matrix with angular pebble and cobble clasts. Sample taken next to road. Near top of slope. Grassy with coniferous trees. Clasts consist of massive crystalline mudstone, laminated siltstone and medium grained weathered sandstone. Chip samples taken (27).
06-Jun-21	C00064403	622291	5442144	B Horizon		B horizon is red brown clay rich with rounded pebbles and angular pebbles of fine grained sandstone. Chip sample taken (026).
06-Jun-21	C00064404	622314	5442181	C Horizon		C horizon is red brown clay with angular clasts. Clasts consist of reddish brown weathered mudstone. Chip sample collected (25). Sample taken on steep slope in cutblock.
06-Jun-21	C00064405	622332	5442204	C Horizon		C horizon is grey brown clay with angular pebble-cobble sized clasts. Sample taken from disturbed ground/bench in cutblock on steep slope. Clasts consist of crystalline silicified? fine grained sandstone. Chip sample collected (024).

06-Jun-21	C00064406	622348	5442223	C Horizon		C horizon is grey brown clay sand with cobble clasts. Sample collected from steep slope with coniferous trees. Chip sample collected, clay weathered rock (23).
06-Jun-21	C00064407	622361	5442241	C Horizon		C horizon is grey and silty. Angular pebble to cobble clasts. Sample collected on steep slope in coniferous forest. Clast consists of crystalline medium grained sandstone. Chip sample collected (22).
06-Jun-21	C00064408	622432	5442345	C Horizon		C horizon is red brown clay sand with angular cobble clasts. Sample taken from moderate slope in cutblock. Chip sample collected (19).
06-Jun-21	C00064428	622411	5442147	BC Horizon	[Yes]	Red brown clay with sub angular clasts. Sample taken steep slope next to coniferous trees.
06-Jun-21	C00064430	622459	5442207	BC Horizon	[Yes]	Dark red brown clay with large sub angular. Sample taken on a steep slope next to coniferous trees.
06-Jun-21	C00064448	622487	5442245	BC Horizon	[Yes]	Red brown clay with large clasts. Sample taken on a steep slope next to coniferous trees.

09-Jun-21	C00129122	622393	5442375	C Horizon	[Yes]	Sample taken from cutblock on a steep slope.the C horizon is a red brown sandy silt wit angular cobble to pebble clasts
09-Jun-21	C00129124	622489	5441911	C Horizon	[Yes]	Sample taken on moderate slope next to conifers. C horizon has cobble to boulder sized clasts in a grey brown silt matrix
09-Jun-21	C00129125	622501	5441926	C Horizon	[Yes]	Sample taken on moderate slope next to conifers. C horizon has angular cobble to boulder sized clasts in a grey brown silt matrix
09-Jun-21	C00129126	622515	5441946	C Horizon	[Yes]	Sample taken on steep slope next to conifers. C horizon has cobble to boulder sized clasts in a grey brown silt matrix
09-Jun-21	C00129126	622531	5441967	C Horizon	[Yes]	Sample taken on steep slope next to conifers and an outcrop. C horizon has cobble to boulder sized clasts in a grey brown silt matrix
09-Jun-21	C00129128	622560	5442007	C Horizon	[Yes]	Sample taken from moderate slope next to skree and conifers. C horizon is a red brown silt with angular pebble and cobble clasts
10-Jun-21	C00129129	622429	5441919	C Horizon	[Yes]	Sample taken on moderate slope next to conifers. C horizon is a grey brown silt with angular pebbles and cobbles
10-Jun-21	C00129130	622445	5441935	C Horizon	[Yes]	Sample taken on moderate slope next to conifers. C horizon is a grey brown silt with angular pebbles and cobbles
10-Jun-21	C00129131	622460	5441957	C Horizon	[Yes]	Sample taken on moderate slope next to conifers. C horizon is a grey brown silt with angular pebbles and cobbles
10-Jun-21	C00129132	622471	5441980	C Horizon	[Yes]	Sample taken on steep slope next to conifers. C horizon is a grey brown silt with angular pebbles and cobbles
10-Jun-21	C00128133	622487	5441995	C Horizon	[Yes]	Sample taken on steep slope next to conifers. C horizon is a grey brown silt with angular pebbles and cobbles
10-Jun-21	C00129234	622455	5442024	BC Horizon	[Yes]	Sample taken from steep slope next to an outcrop. BC horizon is a red brown silty clay with angular cobble and pebble clasts
10-Jun-21	C00129135	622462	5442044	BC Horizon	[Yes]	Sample taken from steep slope next to conifers. BC horizon is a red brown silty sand with angular cobble and pebble clasts
10-Jun-21	C09129136	622477	5442070	BC Horizon	[Yes]	Sample taken from steep slope next to conifers. BC horizon is a red brown silty sand with angular cobble and pebble clasts
10-Jun-21	C00129137	622492	5442087	C Horizon	[Yes]	Sample taken from steep slope next to conifers. C horizon is a grey brown silty sand with angular cobble and pebble clasts
10-Jun-21	C00129138	622511	5442103	C Horizon	[Yes]	Sample taken from steep slope in a cutblock. C horizon is a red brown clay sand with angular cobble and pebble clasts

Appendix 2 - Grab Sample Summary Tables

STATION ID	STATION DATE	SAMPLE NUMBER	UTM EASTING	UTM NORTHING	PRIMARY LITHOLOGY	SAMPLE DESCRIPTION
LC21_KOO_001	6-Jun-2021		622588	5442112	Arenite	stratiform banded, rusted out ds pyrite within quartz arenite
AR21-KOO-001	6-Jun-2021		622265	5442056	Sandstone	grey sandstone layer, dominant on slope
AR21-KOO-002	6-Jun-2021		622287	5442090	Sandstone	similar to lower outcrop, but MM qtz veins common. pyrite cubes to 1mm observed in veins only, oxidized. Mild chlorite alteration along larger veins
AR21-KOO-003	6-Jun-2021		622292	5442107	Arkose	coarser sandstone unit, looks partially recrystallized or silicified? Weathered pyrite more common, as is chlorite. rocks go from green to grey to tan
AR21-KOO-004	6-Jun-2021		622305	5442114	Arkose	pale grey green coarse sandstone, possibly silicified. some paler pink mm wide bands. outcrop is cut by several 4cm wide milky qtz veins
AR21-KOO-005	6-Jun-2021		622325	5442113	Arkose	large outcrop on downslope. similar to higher rocks but less altereted. Barite veins up to 5cm wide present.
AR21-KOO-006	6-Jun-2021		622345	5442157	Dolostone	broken outcrop of beige dolostone, with minor stromatolite horizons.
LC21_KOO_008	6-Jun-2021		622367	5442049	Chert	bedded arenite and jasperoid cherts with rare symmetrical ripple marks.
AR21-KOO-007	6-Jun-2021	D00030452	622384	5442146	Siltstone	conspicuous outcrop of banded green rock, close to anomalies. Weathered pyrite common
AR21-KOO-008	6-Jun-2021	D00030453	622404	5442143	Siltstone	green rock, with coarse chlorite and pyrite blebs.
AR21-KOO-009	6-Jun-2021		622433	5442148	Dolostone	dolostone outcrop
LC21_KOO_005	6-Jun-2021		622314	5442062	Arenite	stromatilitic arenite outcrop
LC21_KOO_004	6-Jun-2021		622301	5442067	Arenite	Banded massive arenite with light and dark layering. medium to coarse grained sand.
LC21_KOO_003	6-Jun-2021		622284	5442056	Arenite	Small, 1m by 1m, bedded, jointed quartz arenite with symettrical ripples.
LC21_KOO_006	6-Jun-2021	D00026803	622324	5442075	Arenite	subcrop - Quartz-Barite-Siderite vein cross cutting banded arenite at 90 degrees to banding/bedding. sample located downslope of stromatolites.
LC21_KOO_007	6-Jun-2021	D00026804	622348	5442058	Arenite	small utcrip of medium-grained arenite with en echelon quartz stringer veins. one distinct vein has dominat dull to metallic black selvage - possibly chalcocite. some green malachite staining visible but not prominent.
LC21_KOO_008	6-Jun-2021		622369	5442062	Phyllite	micacous phyllite-arenite with stronatolitic layers.
LC21_KOO_009	6-Jun-2021		622403	5442045	Arenite	quartz vein (1.2 cm wide) with rusted out pyrite hosted by arenite
LC21_KOO_010	6-Jun-2021	D00026805	622428	5442043	Siltstone	2 perpendicular thick (2-4 cm) quartz veins with potential chalcocite selvage and ds pyrite withjn centerline. hosted by siltstone.

LC21_KOO_011	6-Jun-2021	D00026806	622471	5442072	Siltstone	thick (4-5cm) bull milky quartz vein within siltstone. sulphides in vein, including galena (semi massive < 1%) and pyrite (2%) almost entirely replaced to fine hematite. possible fine chalcocite on vein selvage.
DR21_KOO_001	5-Jun-2021	D00030431	622348	5442029		Outcrop on step slope, quartz veins
LC21_KOO_002	6-Jun-2021	D00026802	622194	5442045	Phyllite	muscovite phyllite with bands or silicic chert. possible interesting phyllosilicates with muscovite, lepidollite?
25	6-Jun-2021		0	0	Siltstone	Chip sample taken from soil sampling point 025. Dark orange highly weathered buff-tan coloured siltstone. Able to scratch with finger nail.
27	6-Jun-2021		622256	5442117	Sandstone	Chip samples taken from soil sampling point (proposed point 27). Three units: 1) Buff-tan weathered laminated fine grained sandstone. 2)

						Dark grey very fine grained crystalline sandstone-siltstone. 3) Dark grey laminated siltstone.
26	6-Jun-2021		622291	5442144	Sandstone	Chip sample taken from soil sampling point. Dark grey silicified fine grained sandstone-siltstone.
23	7-Jun-2021		622314	5442181	Dolostone	Two lithologies collected from soil chip samples. 1) Grey weathered pinkish-light grey cherty dolostone with dendritic MnO. Rock scratches easily and has conchoidal fracturing. 2) Dark grey weathering dark grey fresh fine grained dolostone. Fine grained dark grey metallic minerals on one surface of sample.
21	6-Jun-2021		622375	5442267	Dolostone	Dark grey weathered grey fresh cherty(?) dolostone.
D00030430	6-Jun-2021	D00030430	622213	5442041	Sandstone	Sample taken from outcrop off the cut slope of the road. The rock is a laminated sandstone
SN21KOO001	8-Jun-2021		622069	5442381	Dolostone	dolostone outcrop in road
SN21KOO002	8-Jun-2021		622033	5442365	Chert	Cherty dolomite outcrop. possible stromatolites
SN21KOO003	8-Jun-2021		621912	5442412	Sandstone	pink grey med sandstone passing up into hummocky stromatolites, then into banded silt with thin flat stroms
SN21KOO004	8-Jun-2021		621929	5442400	Sandstone	sandstone outcrop
SN21KOO005	8-Jun-2021		622051	5442307	Chert	chert dolostone
SN21KOO006	8-Jun-2021		622084	5442286	Dolostone	dolostone with bubbly shallow stromatolite cap
SN21KOO007	8-Jun-2021		622305	5442278	Dolostone	float of fine grained massive dolostone
SN21KOO008	8-Jun-2021		622308	5442283	Dolostone	small outcrop of silly dolostone
SN21KOO009	8-Jun-2021		622312	5442287	Siltstone	marroon, bedded laminar siltstone. appears to be dipping against trend? possible large block of loose material.
SN21KOO010	8-Jun-2021		622317	5442291	Sandstone	outcrop of med sandstone, distinct tan brown colour. massive bedded, no structure evident in exposure
SN21KOO011	8-Jun-2021		622320	5442294	Siltstone	silty dolostone subcrop. banded.
SN21KOO012	8-Jun-2021		622292	5442373	Siltstone	Calcareous fine siltstone, grey
SN21KOO013	8-Jun-2021		622242	5442433	Dolostone	silty grey dolostone
SN21KOO014	8-Jun-2021	D00030454	622247	5442441	Siltstone	exposure in tree root hollow, dipping silstone with fine cubic black minerals disseminated throughout.
SN21KOO015	8-Jun-2021	D00030455	622248	5442440	Breccia	angular breccia but with some rounded clasts. possible flood deposit? Vuggy with calcite crystals and cement. hematite rinds
SN21KOO016	8-Jun-2021		622271	5442480	Siltstone	outcrop in skid road of pale, calcareous siltstone
19	6-Jun-2021		622432	5442345	Sandstone	Dark brown-grey weathered fine grained sandstone.
LC21_KOO_012	8-Jun-2021		622088	5442354	Dolostone	bedded, crystalline light grey, weathering buff orange dolostone.

LC21_KOO_013	8-Jun-2021		622028	5442322	Chert	muscovite rich interbedded cherts and stromatolites. phyllitic texture present with high content of micaceuos bands between stromatolites and silicic cherts.
LC21_KOO_014	8-Jun-2021		621973	5442366	Arenite	contact between underlying stomatolitic cherts and rippled/mud clasts in mature arenite.
LC21_KOO_015	8-Jun-2021		621917	5442344	Sandstone	equigranular, well sorted, quartz sandstone, cross bedding/laminations visible but no clear bedding planes.
LC21_KOO_016	8-Jun-2021	D00026807	621853	5442266	Basalt	Hyaloclastic moderately vesicular basalt within chlorite altered silicic volcanic matrix. stratigraphically above the pillowed and columnar basalt flows. sampled to see continuaty of cobalt within upper layer of extrusive volcanics. rusted out pyrite and very fine silver metallic sulphides within matrix and basalt fragments. Likely

						depositional environment shallow water marine volcano.
LC21_KOO_015	8-Jun-2021		621878	5442299	Arenite	bedded light grey, mature, well sorted, sub angular to sub-rounded arenite.
LC21_KOO_017	8-Jun-2021	D00026808	621827	5442230	Basalt	jointed, fine-grained light grey basalt with hematitic staining and rusted out pyrite. magnetite stringers and fractures common with hematinic staining concentrated on fractures. sampled due to pyrite and magnetite content, overall high density and relationship with cobalt bearing basalts.
LC21_KOO_020	8-Jun-2021		622121	5442762	Arenite	interbedded calcareous mud/claystone and mature light grey arenite. calcite/calcareous muds along fractures and arenite shows some chlorite alteration. some evaporate layers also present. phyllitic texture with micaceous layers. mud cracks also present within silty mud layers
LC21_KOO_019	8-Jun-2021		622104	5442554	Chert	interbedded calcareous clay/mudstone and cherty sandstone.
LC21_KOO_018	8-Jun-2021		622124	5442305	Arenite	Interbedded/laminated orange/tan sandstones with grey and green silty arenites with coarse quartz clasts. Sericite alteration common within plag-rich arenite.Likely same unit as recognised on road with green reduced beds and orange/tan oxidized muds/sands.
102	7-Jun-2021		0	0	Sandstone	Two chip lithologies taken from this soil sample point. 1) Buff-tan weathered, light grey crystalline sandstone and 2) Brown weathered dark grey micaceous siltstone.
101	7-Jun-2021		0	0	Siltstone	Two chip lithologies collected from soil sampling point. 1) Dark grey siltstone with interlaminations of lighter layers. 2) Light grey weathered pinkish grey fine grained sandstone.
AR21-KOO-010	9-Jun-2021	D00030456	621091	5442758	Sandstone	shallow dipping grey medium sandstone, banded with lighter and darker layers. py common as is blobs of opaque green ?celadonite. muscovite mica.
AR21-KOO-012	9-Jun-2021	D00030457	621338	5443127	Breccia	breccia unit of rounded reddish pebbles in a sandy matrix. whole rock has red tinge. sits within a layer of grey/green chert
AR21-KOO-013	9-Jun-2021	D00030458	621329	5443136	Chert	chert with voids infilled by calcite. distinct alternating green bands to top of unit. rare cubic black minerals, weathered pyrite
AR21KOO011	9-Jun-2021		621556	5442948	Chert	subcrop exposure in road push of cherty dolostone. has conchoidal fracture. possible weathered sulphide but highly indeterminate

AR21-KOO-014	9-Jun-2021	D00030459	620823	5443228	Quartz	quartz vein, very sugary and friable, with 30% celadonite in clusters.
AR21-KOO-015	9-Jun-2021	D00030460	621084	5443201	Siltstone	banded cherty siltstone with reddish bands, mang dendrites, and small black cubic minerals <mm. along trend with cu anomaly
AR21-KOO-016	9-Jun-2021	D00030461	621089	5443203	Siltstone	another cherty siltstone with red to brown banding and mang dendrites. along strike to anomaly
AR21-KOO-017.	9-Jun-2021	D00030462	621098	5443193	Siltstone	very friable siltstone with cherty horizons. ripple marks on top of exposure. Very red and mang dendrites.
AR21-KOO-018	9-Jun-2021	D00030463	621141	5443134	Siltstone	banded tiger stripe siltstone with hematized rims and manganese. close to historical anomaly.
AR21-KOO-020	9-Jun-2021	D00030465	621140	5443109	Siltstone	banded grey and green siltsone with blood red dissemination of ?cinnabar. taken near historical trend

AR21-KOO-019	9-Jun-2021	D00030464	621157	5443116	Siltstone	red silstone with manganese rind
AR21-KOO-021	9-Jun-2021	D00030466	621128	5443113	Siltstone	cherty siltstone with oxidized speckling. on trend with historical anomalies
AR21-KOO-022	9-Jun-2021	D00030467	621139	5443138	Sandstone	red fg sandstone with one twinned metallic cubic crystal.
AR21-KOO-023	9-Jun-2021	D00030468	621139	5443140	Argillite	banded mudstone, hard, metallic, possible magnetite. white mineral bleary throughout, not sure of ID
AR21-KOO-024	10-Jun-2021		612255	5456895	Chert	banded chert with minor silty layers. grey green. typical rock for area. some manganese dendrites
LC21_KOO_023	10-Jun-2021	D00026809	612065	5457098	Chert	float. banded cherts and cherty siltstones with disseminated pyrite, chalcopyrite possibly chalcocite and bornite (purple-red tarnish). chalcocite-bornite are consontrated in small lenses while pyrite and minor chalcopyrite occur disseminated throughout. needs to be photographed.
LC21_KOO_024	10-Jun-2021		612072	5457128	Chert	bedded cherts and siltstone, likely outcrop for station LC21_KOO_023.
LC21_KOO_025	10-Jun-2021	D00026810	612235	5456903	Siltstone	bedded cherts and cherty siltstones with weathered out pyrite cubes. possibly infilled with further sulphides and red oxide. biotite porphyryblasts within all layers, coarse grained, euhedral.
LC21_KOO_021	10-Jun-2021		603300	5459617	Siltstone	interbedded mudstones, siltstones and fine-grained sandstones with slump features. overlaid by mudstone dominated beds. possible deeper marine storm beds grading to deeper marine. possible distal bouma turbidite sequences. becoming more distal up sequence
LC21_KOO_022	10-Jun-2021		612007	5457084	Chert	banded cherts and cherty siltstones with fine sandstones and thick mud sequences. possible deeper distal to proximal bouma turbidite sequences.
21KOO-AR200	22-Jul-2021	D00030469	622166	5442713	Siltstone - SLT	start of cut, small amount of cpy
AR21KOO-202	22-Jul-2021	D00030471	622152	5442729	Siltstone - SLT	outcrop with blebby malachite and lathes of chalcocite. some defined bands of cu rich silts
ARKOO21005	22-Jul-2021	D00030473	622144	5442744	Dolostone - DST	malachite stained with stringers of chalcocite. dip direction change? rock is dusty with dolomite texture
AR21KOO 006	22-Jul-2021	D00030475	622085	5442792	Siltstone - SLT	
ARKOO21 007	22-Jul-2021	D00030476	620884	5443613	Dolostone - DST	dolostone with bands of garnets? seem to have pyrite core and the chloritized rims, but form hexagons as well and lathes up to 2cm across. seems on strike with copper anomaly on upper

						gold road
KOO21-1000	29-Sep-2021		596942	5456811		Impressive cliff section of stromatolite reef along main road
KOO21-1001	29-Sep-2021		599479	545766	Siltstone - SLT	Another good road section for stratigraphy. Common occurrence of cubic pyrite, especially in slightly coarser units. 2022 follow up.
KOO21-1002	29-Sep-2021		599754	5457717		Stromatolitic sections
21KOO_1003	29-Sep-2021		600436	5457612	Siltstone - SLT	Massive sulphide lense in bedded mudstone / siltstone. Could be along a fracture surface? Did not have right tooling for a sample at time. Primarily pyrite with minor chalcopyrite.
AR_KOO239	5-Nov-2021	C00064351	622071	5442071	Basalt - BAS	Blocky basalt, mineralized section, very weathered along surfaces. Green micaceous mineral throughout, with deep red and purple patches. Feels light for size.

AR_KOO240	5-Nov-2021	C00064352	622070	5442071	Basalt - BAS	Blocky, vesicular basalt with flow indicators. Rock is dense with evidence of magnetite overgrowths on surface
AR_KOO241	5-Nov-2021	C00064353	621955	5442143	Basalt - BAS	Dense basalt with numerous barite and barite-carbonate veins, and associated red jasperoid forming in selveges. Minor magentite.
AR_KOO242	5-Nov-2021	C00064354	621792	5442230	Basalt - BAS	Slabby massive basalt with barite vein, some jasperoid in selvege. One side is covered with cm+ black cubic, euhedral crystals - could be a replacement? Minor magentite.
AR_KOO243	5-Nov-2021	C00064355	621792	5442228	Basalt - BAS	Basalt with distinct green alteration, then stockwork of 0.5mm veins of minor barite and possible manganese. Vein selveges are red.
AR_KOO244	5-Nov-2021	C00064356	621794	5442227	Basalt - BAS	Vesicular ?pillow basalt, mottled grey and red. Some sections are glassy / cherty - could be sed infill or just rapid cooling.
AR_KOO225	5-Nov-2021	C00064357	621792	5442228	Basalt - BAS	Massive pale grey basalt with white barite vein and jasperized selvege. Infill between barite blades is a acicular, radial, non-magnetic silver mineral. Looks like stibnite, but XRF does not show any Sb.
AR_KOO226	5-Nov-2021	C00064358	622232	5442636	Dolomite - DOL	Conglomeritic section close to garnet layers. Extremely red alteration, which seems indicative of nearby copper mineralization
RH21-2	21-Jul-2021	RH21-2	622243	5442623	Sandstone	Fine sandstone and siltstone, altered.
RH21-3a	21-Jul-2021	RH21-3a	622152	5442696	Siltstone	Siltstone with Cu oxidation with minor disseminated sulfides
RH-3b	21-Jul-2021	RH-3b	622152	5442696	Siltstone	Disseminated sulfides with more Cu oxidation than 3a
RH21-4a	21-Jul-2021	RH21-4a	622079	5442794	Quartz rich fine-sandstone	Disseminated sulfides with and Cu oxidation
RH21-4b	21-Jul-2021	RH21-4b	622079	5442794	Quartz rich fine-sandstone, larger grain size than 4a	Disseminated sulfides with and Cu oxidation
RH21-4c	21-Jul-2021	RH21-4c	622079	5442794	Siltstone to fine sandstone	Disseminated sulfides in 1 to 3mm blebs and Cu
RH21-5	21-Jul-2021	RH21-5	621071	5443210	Dolostone	Dolostone with stromatolites

Appendix 3 - Lab Certificates

BBM21-10580

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ANALYSIS REPORT BBM21-10580

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Submission Number	*BBY* KOOCANUSA / 98 Soil (1-76)	Date Received	18-Jun-2021
Number of Samples	76	Date Analysed	24-Jun-2021 - 09-Aug-2021
		Date Completed	10-Aug-2021
		SGS Order Number	BBM21-10580

Methods Summary

Number of Sample	Method Code	Description
76	G_WGH_KG	Weight of samples received
76	G_PRP	Combined Sample Preparation
76	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
76	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
76	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Member of the SGS Group (SGS SA)

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
C00064401	0.51	<5	<2	6.59	<3	696
C00064402	0.57	<5	<2	6.61	3	855
C00064403	0.60	<5	<2	6.29	6	824
C00064404	0.56	<5	<2	7.55	4	1045
C00064405	0.60	5	<2	5.50	5	546
C00064406	0.56	<5	<2	6.91	<3	741
C00064407	0.51	<5	<2	6.99	<3	785
C00064408	0.55	5	<2	6.40	<3	1022
C00064409	0.61	<5	<2	6.42	5	696
C00064410	0.65	<5	<2	6.46	4	851
C00064411	0.61	<5	<2	6.37	4	655
C00064412	0.56	<5	<2	7.09	4	648
C00064413	0.57	5	<2	7.23	9	839
C00064414	0.61	<5	<2	6.59	4	1046
C00064415	0.68	<5	<2	5.41	3	488
C00064416	0.66	5	<2	5.14	3	420
C00064417	0.62	5	<2	6.27	5	814
C00064418	0.57	<5	<2	7.03	6	570
C00064419	0.59	<5	<2	7.81	7	824
C00064420	0.49	<5	<2	6.37	10	524
C00064421	0.48	<5	<2	7.25	5	851
C00064422	0.58	<5	<2	6.68	3	625
C00064423	0.50	<5	<2	7.57	3	750
C00064424	0.55	<5	<2	7.57	3	734
C00064425	0.63	<5	<2	5.36	4	533
C00064426	0.49	<5	<2	5.74	3	657
C00064427	0.35	<5	<2	7.02	6	758
C00064428	0.54	<5	<2	6.73	4	968
C00064429	0.60	<5	<2	7.21	<3	801
C00064430	0.44	7	<2	5.78	<3	931
C00064431	0.51	<5	<2	7.37	3	816

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
C00064432	0.61	<5	<2	7.17	4	747
C00064433	0.58	5	<2	6.63	15	899
C00064434	0.68	<5	<2	6.31	5	822
C00064435	0.58	<5	<2	6.12	6	570
C00064436	0.53	7	<2	7.07	4	746
C00064437	0.69	<5	<2	4.82	3	446
C00064438	0.59	<5	<2	5.80	5	522
C00064439	0.57	<5	<2	6.91	6	566
C00064440	0.07	1380	4	7.54	11	989
C00064441	0.57	5	<2	4.76	4	406
C00064442	0.58	<5	<2	7.31	4	1028
C00064443	0.65	5	<2	6.00	5	626
C00064444	0.42	<5	<2	5.37	<3	596
C00064445	0.59	6	<2	6.16	5	733
C00064446	0.63	6	<2	5.83	4	682
C00064447	0.60	<5	<2	6.13	5	616
C00064448	0.46	6	<2	5.72	<3	719
C00064449	0.57	5	<2	6.22	5	743
C00064450	0.55	<5	<2	7.27	<3	779
C000129096	0.54	<5	<2	5.80	5	457
C000129097	0.56	<5	<2	6.20	3	470
C000129098	0.64	<5	<2	6.71	<3	703
C000129099	0.59	<5	<2	5.63	4	513
C000129100	0.77	<5	<2	5.21	<3	459
C000129101	0.65	<5	<2	4.55	<3	519
C000129102	0.56	<5	<2	6.02	7	1061
C000129103	0.51	<5	<2	6.29	<3	722
C000129104	0.54	<5	<2	6.54	7	862
C000129105	0.49	<5	<2	8.00	5	828
C000129106	0.57	<5	<2	6.84	3	822
C000129107	0.64	<5	<2	5.83	4	760

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
C000129108	6.24	<5	<2	6.44	<3	3860
C000129109	0.64	<5	<2	7.28	<3	1797
C000129110	0.61	<5	<2	8.07	3	1292
C000129111	0.56	<5	<2	7.40	<3	1060
C000129112	0.62	<5	<2	5.31	3	491
C000129113	0.58	<5	<2	5.77	3	1073
C000129114	0.61	<5	<2	6.64	5	753
C000129115	0.66	<5	<2	5.08	4	659
C000129116	0.62	5	<2	5.71	6	1036
C000129117	0.56	<5	<2	7.21	5	1297
C000129118	0.61	<5	<2	7.62	3	1061
C000129119	0.45	<5	<2	7.40	6	824
C000129120	0.60	<5	<2	4.89	3	573
C000129121	0.57	<5	<2	5.47	<3	864
*Std OREAS 601b	-	-	49	6.26	273	1447
*Std OREAS 520	-	-	3	5.54	153	584
*Rep C00064432	-	-	<2	7.02	4	737
*Blk BLANK	-	-	<2	<0.01	<3	<1
*Std OREAS 238	-	2960	-	-	-	-
*Rep C000129120	-	11	-	-	-	-
*Blk BLANK	-	6	-	-	-	-
*Std SN106	-	8130	-	-	-	-
*Std OREAS 279	-	6590	-	-	-	-
*Blk BLANK	-	7	-	-	-	-
*Std OREAS 238	-	3050	-	-	-	-
*Rep C00064402	-	<5	-	-	-	-
*Std SN106	-	8170	-	-	-	-
*Blk BLANK	-	<5	-	-	-	-
*Std OREAS 279	-	6370	-	-	-	-
*Rep C00064429	-	<5	-	-	-	-
*Rep C00064443	-	<5	-	-	-	-

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
*Blk BLANK	-	5	-	-	-	-
*Std OREAS 520	-	-	3	5.57	156	700
*Blk BLANK	-	-	<2	<0.01	<3	1
*Std OREAS 601b	-	-	50	6.50	286	489
*Rep C000129118	-	-	<2	7.60	3	1054
*Std OREAS 520	-	-	3	5.42	151	605
*Std OREAS 601b	-	-	52	6.35	273	495
*Blk BLANK	-	-	<2	<0.01	<3	<1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
C00064401	1.2	<5	0.91	<1	6	23
C00064402	1.2	<5	0.74	<1	8	26
C00064403	1.9	<5	1.30	<1	17	36
C00064404	1.5	<5	1.05	<1	20	30
C00064405	1.5	<5	0.47	<1	10	32
C00064406	1.3	<5	0.83	<1	6	28
C00064407	1.2	<5	1.05	<1	6	17
C00064408	1.0	<5	1.09	<1	5	26
C00064409	1.6	<5	0.52	<1	7	36
C00064410	1.3	<5	0.67	<1	6	25
C00064411	1.2	<5	0.79	<1	10	26
C00064412	1.4	<5	0.77	<1	16	25
C00064413	1.6	<5	0.92	<1	7	31
C00064414	1.6	<5	0.48	<1	13	35
C00064415	1.2	<5	0.50	<1	6	30
C00064416	1.3	<5	0.36	<1	9	29
C00064417	1.3	<5	0.73	<1	13	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
C00064418	1.2	<5	1.05	<1	6	21
C00064419	1.4	<5	1.10	<1	7	25
C00064420	1.7	<5	1.41	<1	11	35
C00064421	1.2	<5	1.30	<1	6	18
C00064422	1.5	<5	1.03	<1	32	27
C00064423	1.5	<5	1.15	<1	18	19
C00064424	1.4	<5	1.09	<1	20	22
C00064425	1.1	<5	0.49	<1	5	21
C00064426	1.1	<5	0.47	<1	6	31
C00064427	1.1	<5	1.32	<1	6	19
C00064428	1.2	<5	1.61	<1	6	32
C00064429	1.4	<5	1.04	<1	6	27
C00064430	0.9	<5	1.42	<1	5	33
C00064431	1.3	<5	1.55	<1	13	17
C00064432	1.3	<5	0.93	<1	10	21
C00064433	1.6	<5	1.05	<1	12	33
C00064434	1.1	<5	0.75	<1	7	16
C00064435	1.4	<5	0.76	<1	7	34
C00064436	1.3	<5	1.07	<1	8	23
C00064437	0.9	<5	0.40	<1	3	16
C00064438	1.2	<5	0.72	<1	9	25
C00064439	1.4	<5	0.86	<1	15	24
C00064440	0.8	<5	1.95	<1	12	30
C00064441	1.0	<5	0.41	<1	4	14
C00064442	1.1	<5	1.00	<1	5	44
C00064443	1.2	<5	0.52	<1	9	26
C00064444	1.0	<5	0.77	<1	6	27
C00064445	1.4	<5	0.65	<1	7	24
C00064446	1.3	<5	0.73	<1	5	26
C00064447	1.3	<5	0.67	<1	8	25
C00064448	0.8	<5	1.15	<1	5	19

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
C00064449	1.1	<5	0.67	<1	6	26
C00064450	1.1	<5	1.17	<1	5	16
C000129096	1.4	<5	0.47	<1	8	25
C000129097	1.3	<5	0.73	<1	6	27
C000129098	1.0	<5	0.60	<1	4	25
C000129099	0.9	<5	0.62	<1	5	19
C000129100	1.0	<5	0.50	<1	4	27
C000129101	0.8	<5	0.37	<1	3	20
C000129102	1.5	<5	0.78	<1	7	33
C000129103	1.3	<5	0.80	<1	5	29
C000129104	1.7	<5	0.85	<1	8	36
C000129105	1.3	<5	1.58	<1	6	14
C000129106	1.0	<5	1.09	<1	5	22
C000129107	1.2	<5	0.90	<1	21	30
C000129108	1.3	<5	1.66	<1	17	32
C000129109	1.4	<5	1.70	<1	30	31
C000129110	1.3	<5	1.55	<1	17	19
C000129111	1.2	<5	1.28	<1	6	19
C000129112	1.0	<5	0.54	<1	6	24
C000129113	1.1	<5	0.76	<1	15	30
C000129114	1.1	<5	0.94	<1	7	17
C000129115	1.2	<5	0.42	<1	6	29
C000129116	1.4	<5	1.65	<1	10	30
C000129117	1.4	<5	1.60	<1	8	22
C000129118	1.3	<5	1.20	<1	9	19
C000129119	1.2	<5	1.54	<1	7	11
C000129120	1.0	<5	0.34	<1	5	22
C000129121	1.0	<5	0.81	<1	6	20
*Std OREAS 601b	1.9	17	0.82	1	2	17
*Std OREAS 520	0.7	<5	3.76	<1	193	32
*Rep C00064432	1.2	<5	0.93	<1	10	20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1
*Std OREAS 520	0.8	<5	3.85	<1	203	32
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1
*Std OREAS 601b	2.0	16	0.86	1	3	21
*Rep C000129118	1.3	<5	1.20	<1	9	19
*Std OREAS 520	0.6	<5	4.00	<1	192	33
*Std OREAS 601b	2.0	15	0.88	<1	3	17
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C00064401	15.3	2.31	1.40	21.1	30	0.53
C00064402	14.0	2.52	1.72	25.7	30	0.70
C00064403	13.9	6.93	1.89	33.6	26	1.04
C00064404	11.9	3.35	2.45	24.6	30	0.80
C00064405	14.6	2.77	2.13	32.8	28	0.87
C00064406	8.7	2.90	1.93	21.1	29	0.70
C00064407	11.3	2.39	1.57	18.8	28	0.53
C00064408	11.0	2.85	1.58	18.2	31	0.63
C00064409	22.6	3.52	2.18	31.4	31	0.79
C00064410	12.2	2.55	1.74	23.5	34	0.65
C00064411	14.1	2.35	1.73	24.8	30	0.65
C00064412	74.6	3.11	1.91	19.1	38	0.88
C00064413	288	3.65	2.02	28.9	32	0.74
C00064414	10.1	3.09	2.46	35.4	27	0.84
C00064415	20.3	2.28	1.92	28.5	25	0.65
C00064416	7.3	1.87	2.01	33.7	25	0.57
C00064417	12.8	2.28	1.75	24.0	30	0.53

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C00064418	12.8	2.34	1.73	25.6	33	0.59
C00064419	19.2	2.57	1.69	26.2	37	0.63
C00064420	110	3.67	2.33	28.9	24	1.13
C00064421	24.6	2.36	1.55	17.0	34	0.59
C00064422	16.9	3.01	1.99	24.6	35	0.76
C00064423	17.9	2.87	1.88	24.5	38	0.74
C00064424	27.4	3.31	1.88	23.2	40	0.87
C00064425	10.7	1.87	1.91	33.2	25	0.62
C00064426	6.9	2.88	2.01	31.0	27	0.74
C00064427	20.7	2.16	1.41	20.0	34	0.54
C00064428	8.1	3.95	2.18	24.9	24	1.19
C00064429	11.4	3.52	1.79	24.6	29	0.69
C00064430	9.8	3.07	1.82	20.8	20	0.77
C00064431	24.1	2.33	1.89	19.6	38	0.64
C00064432	61.5	2.47	1.78	24.9	38	0.74
C00064433	121	3.57	2.11	27.9	29	0.81
C00064434	15.5	2.38	1.52	23.9	34	0.65
C00064435	18.0	2.83	2.14	30.9	32	0.74
C00064436	15.4	2.41	1.80	23.8	34	0.59
C00064437	5.5	1.39	1.73	31.4	24	0.51
C00064438	36.0	2.36	1.73	26.9	32	0.61
C00064439	50.5	2.98	1.92	30.9	33	0.65
C00064440	>10000	4.81	1.91	14.3	16	0.89
C00064441	6.3	1.58	1.73	29.6	24	0.57
C00064442	7.4	4.29	2.22	24.1	28	1.04
C00064443	15.2	2.39	1.92	29.3	30	0.72
C00064444	30.8	1.99	1.55	24.5	28	0.64
C00064445	55.5	2.64	1.89	28.9	29	0.67
C00064446	37.5	2.57	2.06	29.6	29	0.75
C00064447	28.1	2.72	2.04	33.4	29	0.63
C00064448	10.3	2.36	1.33	15.1	29	0.57

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C00064449	11.2	2.34	1.73	28.0	32	0.66
C00064450	13.2	2.44	1.82	18.7	34	0.61
C000129096	60.1	2.90	2.08	30.4	27	0.60
C000129097	56.5	2.53	2.23	31.4	28	0.68
C000129098	7.4	2.43	2.08	22.3	28	0.68
C000129099	9.6	1.91	1.62	25.2	29	0.59
C000129100	7.8	1.87	1.66	29.6	27	0.70
C000129101	7.8	1.51	1.58	31.0	22	0.59
C000129102	94.2	3.26	1.95	31.5	31	0.75
C000129103	89.7	2.66	1.87	24.9	32	0.70
C000129104	229	4.16	2.26	32.4	31	0.82
C000129105	53.8	2.53	1.86	18.6	36	0.63
C000129106	14.3	2.55	1.54	19.4	38	0.80
C000129107	15.3	2.93	1.91	27.3	25	0.87
C000129108	216	4.47	2.19	27.3	23	1.29
C000129109	32.0	3.96	2.54	25.4	26	1.27
C000129110	19.6	2.88	2.07	19.3	35	0.79
C000129111	15.1	2.67	1.81	17.6	33	0.61
C000129112	9.5	2.29	1.74	30.8	28	0.75
C000129113	14.1	2.59	1.96	27.7	26	0.71
C000129114	17.5	2.34	1.50	22.2	32	0.64
C000129115	23.3	2.20	1.94	33.8	26	0.80
C000129116	145	2.96	2.03	32.6	30	1.40
C000129117	119	3.09	2.19	21.7	36	1.02
C000129118	37.5	2.95	1.66	21.8	33	0.74
C000129119	31.5	2.56	1.55	17.2	34	0.60
C000129120	7.0	1.86	1.83	32.5	24	0.70
C000129121	10.7	2.05	1.66	29.4	28	0.67
*Std OREAS 601b	928	2.14	2.34	33.2	21	0.09
*Std OREAS 520	2750	14.83	3.51	82.1	18	1.10
*Rep C00064432	60.9	2.41	1.74	23.9	38	0.73

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
*Blk BLANK	1.1	<0.01	<0.01	<0.5	<1	<0.01
*Std OREAS 520	2744	>15.00	3.47	79.2	17	1.12
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01
*Std OREAS 601b	950	2.36	2.38	30.9	21	0.10
*Rep C000129118	37.1	2.95	1.66	21.0	33	0.74
*Std OREAS 520	2887	>15.00	3.45	79.7	18	1.24
*Std OREAS 601b	996	2.34	2.38	32.5	22	0.11
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C00064401	321	1	1.27	17	0.11	7
C00064402	193	1	0.98	16	0.03	6
C00064403	2118	<1	0.39	20	0.08	7
C00064404	428	1	0.90	21	0.06	8
C00064405	185	<1	0.68	15	0.03	5
C00064406	287	<1	0.85	11	0.03	5
C00064407	397	1	1.32	11	0.03	6
C00064408	543	1	1.16	12	0.10	7
C00064409	354	<1	0.50	19	0.06	6
C00064410	183	<1	0.96	17	0.19	6
C00064411	263	<1	1.06	16	0.04	6
C00064412	285	1	1.09	22	0.05	7
C00064413	396	1	0.86	27	0.07	8
C00064414	795	<1	0.52	17	0.05	5
C00064415	170	<1	0.75	14	0.03	5
C00064416	142	<1	0.69	14	0.02	5
C00064417	302	2	1.06	20	0.04	10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C00064418	319	1	1.31	17	0.26	8
C00064419	394	2	1.43	19	0.20	8
C00064420	672	<1	0.41	30	0.08	8
C00064421	412	2	1.68	15	0.13	8
C00064422	539	1	0.87	21	0.07	9
C00064423	397	2	1.51	20	0.06	10
C00064424	375	1	1.15	20	0.04	9
C00064425	321	<1	0.82	11	0.03	6
C00064426	420	<1	0.58	12	0.04	7
C00064427	344	2	1.78	16	0.17	10
C00064428	1132	1	0.59	13	0.09	5
C00064429	648	2	1.13	12	0.06	8
C00064430	1206	1	0.80	10	0.07	8
C00064431	422	2	1.95	16	0.05	9
C00064432	387	2	1.25	20	0.08	8
C00064433	578	1	0.62	36	0.05	10
C00064434	447	1	1.09	17	0.15	10
C00064435	360	1	0.63	21	0.05	8
C00064436	321	1	1.33	21	0.03	8
C00064437	127	<1	0.87	9	0.02	4
C00064438	251	1	0.88	21	0.07	7
C00064439	264	2	0.91	31	0.04	7
C00064440	700	264	2.41	20	0.07	14
C00064441	108	<1	0.87	10	0.03	5
C00064442	1352	<1	0.60	10	0.07	5
C00064443	173	1	0.93	15	0.04	7
C00064444	446	<1	0.78	12	0.04	7
C00064445	306	<1	0.78	19	0.04	7
C00064446	701	<1	0.78	14	0.05	6
C00064447	279	1	0.94	22	0.03	7
C00064448	911	1	1.18	10	0.15	11

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C00064449	510	1	1.00	14	0.05	8
C00064450	382	1	1.74	10	0.06	7
C000129096	294	<1	0.68	19	0.03	7
C000129097	255	<1	0.70	16	0.03	5
C000129098	353	1	0.90	11	0.03	5
C000129099	236	<1	1.08	12	0.04	7
C000129100	148	<1	0.94	13	0.03	7
C000129101	335	<1	0.89	9	0.02	5
C000129102	717	<1	0.66	22	0.05	10
C000129103	353	<1	0.90	18	0.03	8
C000129104	787	<1	0.54	32	0.07	13
C000129105	417	2	2.17	19	0.06	9
C000129106	402	1	1.37	12	0.20	7
C000129107	462	<1	0.74	16	0.03	8
C000129108	1384	1	0.58	13	0.03	8
C000129109	786	<1	0.72	18	0.05	9
C000129110	399	2	1.90	20	0.03	9
C000129111	491	1	1.56	15	0.10	9
C000129112	180	<1	0.82	14	0.03	9
C000129113	546	<1	0.73	17	0.04	9
C000129114	481	1	1.32	16	0.21	10
C000129115	136	<1	0.74	15	0.02	6
C000129116	624	<1	0.61	22	0.04	7
C000129117	418	1	1.26	28	0.07	10
C000129118	356	1	1.32	19	0.04	9
C000129119	384	1	1.85	17	0.11	9
C000129120	155	<1	0.85	11	0.02	5
C000129121	745	<1	0.96	13	0.08	10
*Std OREAS 601b	211	6	1.80	6	0.03	321
*Std OREAS 520	2372	62	1.35	69	0.08	3
*Rep C00064432	373	2	1.20	21	0.08	9

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2
*Std OREAS 520	2360	56	1.34	70	0.08	4
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2
*Std OREAS 601b	223	6	1.81	7	0.03	283
*Rep C000129118	359	1	1.31	19	0.04	9
*Std OREAS 520	2318	54	1.31	72	0.07	5
*Std OREAS 601b	223	5	1.83	7	0.03	332
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C00064401	0.01	<5	6.3	<10	155	0.27
C00064402	0.01	<5	7.7	<10	134	0.26
C00064403	0.02	<5	11.9	<10	52.7	0.16
C00064404	0.02	<5	9.6	<10	125	0.24
C00064405	0.01	<5	8.4	<10	45.1	0.19
C00064406	0.01	<5	9.0	<10	112	0.25
C00064407	0.01	<5	7.0	<10	177	0.27
C00064408	0.01	<5	6.6	<10	163	0.27
C00064409	0.01	<5	9.0	<10	62.8	0.22
C00064410	0.01	<5	7.1	<10	113	0.25
C00064411	0.01	<5	6.7	<10	135	0.26
C00064412	0.01	<5	7.3	<10	146	0.26
C00064413	0.01	<5	9.5	<10	122	0.24
C00064414	0.02	<5	9.3	<10	55.8	0.19
C00064415	<0.01	<5	6.5	<10	81.7	0.20
C00064416	<0.01	<5	7.0	<10	67.3	0.20
C00064417	0.01	<5	6.3	<10	143	0.26

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C00064418	0.02	<5	7.6	<10	180	0.29
C00064419	0.02	<5	8.4	<10	200	0.33
C00064420	0.02	<5	9.5	<10	60.1	0.17
C00064421	0.02	<5	6.9	<10	222	0.29
C00064422	0.02	<5	8.1	<10	128	0.24
C00064423	0.01	<5	8.4	<10	203	0.29
C00064424	0.01	<5	9.6	<10	169	0.30
C00064425	<0.01	<5	6.9	<10	87.8	0.22
C00064426	0.01	<5	8.4	<10	63.6	0.21
C00064427	0.02	<5	6.7	<10	235	0.29
C00064428	0.01	<5	9.9	<10	88.7	0.21
C00064429	0.01	<5	8.8	<10	158	0.28
C00064430	0.02	<5	7.7	<10	119	0.22
C00064431	0.02	<5	7.7	<10	255	0.30
C00064432	0.01	<5	7.2	<10	175	0.29
C00064433	0.02	<5	9.2	<10	91.2	0.21
C00064434	0.01	<5	6.7	<10	140	0.27
C00064435	0.02	<5	8.1	<10	80.0	0.21
C00064436	0.01	<5	8.1	<10	180	0.28
C00064437	<0.01	<5	4.9	<10	78.7	0.20
C00064438	0.02	<5	6.3	<10	108	0.22
C00064439	0.02	<5	9.6	<10	126	0.25
C00064440	1.48	<5	10.1	<10	451	0.26
C00064441	<0.01	<5	5.1	<10	73.4	0.20
C00064442	0.01	<5	10.1	<10	86.6	0.22
C00064443	0.01	<5	6.9	<10	107	0.25
C00064444	0.01	<5	6.3	<10	98.4	0.22
C00064445	0.01	<5	8.1	<10	94.1	0.22
C00064446	0.01	<5	7.2	<10	80.8	0.20
C00064447	0.01	<5	7.3	<10	115	0.24
C00064448	0.02	<5	5.6	<10	165	0.24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C00064449	0.01	<5	6.7	<10	119	0.25
C00064450	0.01	<5	7.1	<10	216	0.28
C000129096	0.01	<5	7.0	<10	78.0	0.20
C000129097	0.01	<5	7.5	<10	90.2	0.22
C000129098	<0.01	<5	7.3	<10	116	0.25
C000129099	0.01	<5	5.7	<10	126	0.25
C000129100	0.01	<5	5.7	<10	88.7	0.25
C000129101	<0.01	<5	4.9	<10	72.8	0.21
C000129102	0.01	<5	7.9	<10	80.7	0.21
C000129103	0.01	<5	7.1	<10	120	0.24
C000129104	0.02	<5	9.2	<10	79.0	0.25
C000129105	0.01	<5	7.1	<10	271	0.31
C000129106	0.01	<5	6.1	<10	185	0.26
C000129107	0.02	<5	8.4	<10	91.2	0.22
C000129108	0.06	<5	9.4	<10	97.2	0.19
C000129109	0.02	<5	9.7	<10	109	0.21
C000129110	0.01	<5	9.2	<10	234	0.29
C000129111	0.01	<5	7.5	<10	217	0.28
C000129112	<0.01	<5	6.2	<10	100	0.25
C000129113	0.02	<5	7.2	<10	84.0	0.21
C000129114	0.01	<5	6.5	<10	172	0.27
C000129115	0.01	<5	6.8	<10	59.6	0.21
C000129116	0.02	<5	8.2	<10	62.3	0.18
C000129117	0.02	<5	7.8	<10	165	0.25
C000129118	0.01	<5	8.7	<10	188	0.28
C000129119	0.02	<5	6.9	<10	235	0.28
C000129120	0.01	<5	5.7	<10	65.7	0.20
C000129121	0.01	<5	6.2	<10	113	0.23
*Std OREAS 601b	1.42	22	3.5	<10	228	0.12
*Std OREAS 520	0.97	<5	15.9	<10	99.1	0.39
*Rep C00064432	0.01	<5	7.1	<10	171	0.28

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01
*Std OREAS 520	1.05	<5	16.2	<10	96.4	0.40
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01
*Std OREAS 601b	1.54	23	3.4	<10	224	0.13
*Rep C000129118	0.01	<5	8.5	<10	188	0.28
*Std OREAS 520	0.95	<5	15.3	<10	96.8	0.38
*Std OREAS 601b	1.46	21	3.4	<10	231	0.12
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr	ISX_1
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5	--
Upper Limit	10,000	10,000	10,000	10,000	10,000	--
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	mg / L
C00064401	41	<10	10.9	55	113	-
C00064402	50	<10	9.7	33	88.6	-
C00064403	68	<10	41.5	23	117	-
C00064404	56	<10	14.0	37	86.3	-
C00064405	50	<10	14.3	24	79.3	-
C00064406	43	<10	11.6	40	75.6	-
C00064407	38	<10	11.0	38	98.2	-
C00064408	44	<10	10.6	94	82.0	-
C00064409	53	<10	19.4	37	89.8	-
C00064410	42	<10	8.8	46	89.1	-
C00064411	43	<10	9.8	48	79.7	-
C00064412	51	<10	10.1	44	91.1	-
C00064413	55	<10	21.1	46	100	-
C00064414	53	<10	19.3	24	103	-
C00064415	46	<10	9.4	28	61.4	-
C00064416	44	<10	13.4	23	73.9	-
C00064417	46	<10	10.7	44	86.2	-

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@V	@W	@Y	@Zn	@Zr	ISX_1
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5	--
Upper Limit	10,000	10,000	10,000	10,000	10,000	--
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	mg / L
C00064418	50	<10	12.3	58	115	-
C00064419	53	<10	12.8	67	125	-
C00064420	51	<10	19.0	21	79.7	-
C00064421	40	<10	13.6	70	125	-
C00064422	46	<10	15.4	57	83.1	-
C00064423	47	<10	18.9	60	120	-
C00064424	48	<10	17.5	43	108	-
C00064425	42	<10	11.7	26	66.9	-
C00064426	54	<10	13.3	24	71.8	-
C00064427	41	<10	13.1	69	131	-
C00064428	58	<10	16.4	24	77.8	-
C00064429	47	<10	13.5	41	102	-
C00064430	42	<10	11.8	62	66.8	-
C00064431	41	<10	17.7	57	135	-
C00064432	51	<10	11.2	59	93.5	-
C00064433	54	<10	15.7	36	76.4	-
C00064434	43	<10	10.3	75	93.8	-
C00064435	53	<10	15.6	38	66.8	-
C00064436	49	<10	16.1	53	99.6	-
C00064437	33	<10	8.1	24	58.5	-
C00064438	46	<10	9.9	40	72.2	-
C00064439	53	<10	19.7	40	89.8	-
C00064440	88	<10	12.8	98	34.9	-
C00064441	34	<10	7.7	22	57.1	-
C00064442	61	<10	15.6	29	73.8	-
C00064443	49	<10	9.1	36	81.3	-
C00064444	40	<10	9.4	54	57.1	-
C00064445	47	<10	16.3	35	85.6	-
C00064446	47	<10	12.6	33	63.1	-
C00064447	50	<10	13.0	34	65.4	-
C00064448	38	<10	10.1	86	83.3	-

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@V	@W	@Y	@Zn	@Zr	ISX_1
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5	--
Upper Limit	10,000	10,000	10,000	10,000	10,000	--
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	mg / L
C00064449	49	<10	9.2	56	64.6	-
C00064450	41	<10	12.9	57	121	-
C000129096	51	<10	13.7	30	63.5	-
C000129097	49	<10	9.4	29	50.5	-
C000129098	50	<10	7.4	44	62.5	-
C000129099	40	<10	8.1	42	64.4	-
C000129100	42	<10	8.7	38	61.5	-
C000129101	37	<10	7.8	29	49.0	-
C000129102	51	<10	16.7	33	65.0	-
C000129103	47	<10	10.7	56	69.7	-
C000129104	58	<10	20.6	39	79.6	-
C000129105	40	<10	17.1	51	158	-
C000129106	38	<10	10.7	74	108	-
C000129107	47	<10	16.2	28	87.9	-
C000129108	53	<10	17.7	21	76.9	-
C000129109	56	<10	14.3	28	77.4	-
C000129110	47	<10	18.3	39	141	-
C000129111	45	<10	15.1	48	131	-
C000129112	45	<10	8.7	32	61.9	-
C000129113	48	<10	12.3	49	60.1	-
C000129114	43	<10	13.9	62	122	-
C000129115	45	<10	12.5	25	62.1	-
C000129116	48	<10	18.1	24	67.6	-
C000129117	47	<10	13.9	40	96.6	-
C000129118	45	<10	15.3	40	122	-
C000129119	38	<10	17.3	44	156	-
C000129120	44	<10	9.6	26	59.4	-
C000129121	42	<10	9.7	78	62.3	-
*Std OREAS 601b	12	<10	10.4	322	172	-
*Std OREAS 520	252	39	19.1	18	119	-
*Rep C00064432	50	<10	11.1	58	92.9	-

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (1-76)
Number of Samples 76

ANALYSIS REPORT BBM21-10580

Element	@V	@W	@Y	@Zn	@Zr	ISX_1
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5	--
Upper Limit	10,000	10,000	10,000	10,000	10,000	--
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	mg / L
*Blk BLANK	<2	<10	<0.5	2	<0.5	-
*Std OREAS 520	257	39	19.5	20	122	-
*Blk BLANK	<2	<10	<0.5	1	<0.5	-
*Std OREAS 601b	12	<10	10.5	347	174	-
*Rep C000129118	44	<10	15.6	41	119	-
*Std OREAS 520	254	38	20.0	17	117	81.74
*Std OREAS 601b	12	<10	11.2	322	178	-
*Blk BLANK	<2	<10	<0.5	<1	<0.5	-

Element	ISR_1
Method	GE_ICP40Q12
Lower Limit	--
Upper Limit	--
Unit	mg / L
*Std OREAS 520	84.36

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-10599

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ANALYSIS REPORT BBM21-10599

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Submission Number	*BBY* KOOCANUSA / 98 Soil (77-98)	Date Received	18-Jun-2021
Number of Samples	22	Date Analysed	24-Jun-2021 - 02-Aug-2021
		Date Completed	02-Aug-2021
		SGS Order Number	BBM21-10599

Methods Summary

Number of Sample	Method Code	Description
22	G_WGH_KG	Weight of samples received
22	G_PRP	Combined Sample Preparation
22	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
22	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
22	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
C000129122	0.60	5	<2	7.32	3	1104
C000129123	0.63	<5	<2	5.20	3	501
C000129124	0.53	<5	<2	5.11	<3	573
C000129125	0.46	10	<2	5.50	<3	714
C000129126	0.45	5	<2	5.88	<3	1139
C000129127	0.36	<5	<2	6.89	<3	894
C000129128	0.33	6	<2	7.49	5	726
C000129129	0.65	6	<2	4.77	<3	529
C000129130	0.67	<5	<2	5.03	<3	521
C000129131	0.60	5	<2	5.57	<3	560
C000129132	0.46	6	<2	7.33	4	819
C000129133	0.68	5	<2	5.89	<3	739
C000129134	0.55	6	<2	6.35	<3	774
C000129135	0.64	6	<2	6.23	<3	805
C000129136	0.62	6	<2	6.22	<3	793
C000129137	0.65	5	<2	6.84	<3	944
C000129138	0.52	7	<2	7.63	<3	831
C000129139	0.72	13	<2	4.86	<3	476
C000129140	0.56	6	<2	6.65	<3	873
C000129141	0.61	<5	<2	7.35	<3	1343
C000129142	0.57	6	<2	7.81	<3	1262
C000129143	0.62	5	<2	7.42	<3	982
*Std OREAS 238	-	2960	-	-	-	-
*Blk BLANK	-	6	-	-	-	-
*Std SN106	-	8130	-	-	-	-
*Rep C000129132	-	6	-	-	-	-
*Std OREAS 279	-	6590	-	-	-	-
*Blk BLANK	-	7	-	-	-	-
*Std OREAS 520	-	-	3	5.54	152	815
*Std OREAS 601b	-	-	49	6.36	285	340

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
*Rep C000129131	-	-	<2	5.49	<3	546
*Blk BLANK	-	-	<2	<0.01	<3	1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
C000129122	1.2	<5	1.01	<1	7	22
C000129123	1.1	<5	0.61	<1	6	18
C000129124	0.9	<5	0.72	<1	4	22
C000129125	1.0	<5	0.80	<1	5	23
C000129126	1.0	<5	1.16	<1	5	26
C000129127	1.2	<5	1.45	<1	5	15
C000129128	1.2	<5	1.22	<1	6	13
C000129129	1.1	<5	0.49	<1	7	17
C000129130	1.1	<5	0.51	<1	5	19
C000129131	1.0	<5	0.68	<1	6	19
C000129132	1.2	<5	1.51	<1	6	15
C000129133	1.2	<5	0.57	<1	5	31
C000129134	1.3	<5	0.85	<1	7	32
C000129135	1.1	<5	0.83	<1	5	32
C000129136	1.1	<5	0.77	<1	5	28
C000129137	1.1	<5	0.95	<1	5	27
C000129138	1.2	<5	1.46	<1	5	19
C000129139	1.0	<5	0.47	<1	5	22
C000129140	1.1	<5	0.92	<1	6	46
C000129141	1.2	<5	1.01	<1	6	34
C000129142	1.3	<5	1.38	<1	5	20
C000129143	1.2	<5	1.01	<1	5	30

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
*Std OREAS 520	0.7	<5	3.90	<1	198	32
*Std OREAS 601b	2.1	16	0.85	1	3	18
*Rep C000129131	1.0	<5	0.67	<1	5	17
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C000129122	17.5	2.46	1.42	21.1	34	0.60
C000129123	10.1	1.95	1.68	26.8	24	0.63
C000129124	9.0	1.89	1.56	27.3	23	0.56
C000129125	8.2	2.02	1.61	27.2	23	0.61
C000129126	16.1	2.14	1.89	22.6	28	0.63
C000129127	16.0	2.55	1.93	17.0	31	0.61
C000129128	15.7	2.40	1.48	14.8	34	0.50
C000129129	7.6	1.73	1.80	30.1	20	0.60
C000129130	9.3	1.88	1.78	30.6	22	0.62
C000129131	8.5	1.97	1.66	28.0	25	0.63
C000129132	19.2	2.14	1.65	19.3	32	0.55
C000129133	7.4	2.14	1.79	28.8	26	0.63
C000129134	9.9	3.22	1.81	26.0	28	0.76
C000129135	7.8	3.64	1.92	22.2	27	0.81
C000129136	7.5	3.22	1.73	25.0	29	0.77
C000129137	10.2	2.95	1.82	24.0	30	0.74
C000129138	16.5	2.58	1.87	17.0	34	0.70
C000129139	6.7	1.84	1.75	28.6	27	0.65
C000129140	6.1	3.78	2.20	21.9	28	1.05
C000129141	8.3	3.91	1.84	22.6	33	0.90

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C000129142	12.5	3.03	1.97	19.2	34	0.78
C000129143	9.0	3.75	2.05	20.5	28	0.72
*Std OREAS 520	3011	14.94	3.42	76.0	17	1.15
*Std OREAS 601b	1011	2.16	2.32	30.9	20	0.10
*Rep C000129131	8.1	1.95	1.63	26.4	24	0.62
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C000129122	438	1	1.27	14	0.11	8
C000129123	324	<1	0.85	13	0.03	7
C000129124	405	<1	0.81	11	0.03	6
C000129125	877	<1	0.89	10	0.03	7
C000129126	841	1	0.96	10	0.17	7
C000129127	555	2	1.89	10	0.11	7
C000129128	463	2	1.54	14	0.23	9
C000129129	497	<1	0.75	10	0.02	6
C000129130	374	<1	0.75	12	0.03	6
C000129131	254	<1	0.93	12	0.03	6
C000129132	692	2	2.01	12	0.14	8
C000129133	343	<1	0.79	12	0.05	5
C000129134	557	<1	0.81	12	0.05	8
C000129135	521	<1	0.78	9	0.05	6
C000129136	636	<1	0.72	10	0.05	6
C000129137	588	1	0.88	11	0.07	6
C000129138	465	2	1.94	10	0.09	8
C000129139	184	<1	0.83	12	0.02	6

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C000129140	857	1	0.52	10	0.06	4
C000129141	737	<1	0.83	12	0.04	6
C000129142	554	1	1.61	11	0.05	8
C000129143	556	1	0.85	11	0.08	7
*Std OREAS 520	2410	63	1.32	69	0.08	4
*Std OREAS 601b	217	6	1.74	6	0.03	314
*Rep C000129131	245	<1	0.92	11	0.03	6
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C000129122	0.01	<5	7.1	<10	186	0.30
C000129123	0.01	<5	6.4	<10	114	0.23
C000129124	0.01	<5	6.3	<10	114	0.24
C000129125	0.01	<5	6.7	<10	140	0.24
C000129126	0.02	<5	6.9	<10	153	0.25
C000129127	0.01	<5	6.6	<10	266	0.27
C000129128	0.02	<5	6.6	<10	238	0.32
C000129129	0.01	<5	6.4	<10	85.8	0.21
C000129130	0.01	<5	6.6	<10	95.9	0.22
C000129131	0.01	<5	6.8	<10	136	0.25
C000129132	0.01	<5	7.0	<10	273	0.29
C000129133	0.01	<5	7.5	<10	111	0.25
C000129134	0.01	<5	8.8	<10	121	0.25
C000129135	<0.01	<5	8.8	<10	119	0.24
C000129136	0.01	<5	8.2	<10	113	0.23
C000129137	0.01	<5	8.5	<10	147	0.25

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C000129138	0.01	<5	7.8	<10	261	0.30
C000129139	0.01	<5	6.1	<10	99.1	0.28
C000129140	0.01	<5	9.2	<10	73.3	0.22
C000129141	0.01	<5	9.6	<10	133	0.27
C000129142	0.01	<5	8.9	<10	228	0.31
C000129143	0.01	<5	9.0	<10	139	0.27
*Std OREAS 520	1.03	<5	15.9	<10	106	0.41
*Std OREAS 601b	1.53	23	3.4	<10	238	0.13
*Rep C000129131	0.01	<5	6.6	<10	134	0.25
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
C000129122	45	<10	11.5	70	115
C000129123	44	<10	9.0	34	65.0
C000129124	41	<10	9.7	40	61.8
C000129125	42	<10	10.2	45	69.6
C000129126	40	<10	10.6	128	78.8
C000129127	42	<10	15.5	74	134
C000129128	44	<10	11.6	74	147
C000129129	43	<10	10.6	28	57.5
C000129130	44	<10	10.0	39	62.9
C000129131	45	<10	9.1	33	65.2
C000129132	40	<10	15.8	62	147
C000129133	45	<10	10.4	54	73.9
C000129134	47	<10	14.4	51	85.5
C000129135	48	<10	9.9	50	69.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* KOOCANUSA / 98 Soil (77-98)
Number of Samples 22

ANALYSIS REPORT BBM21-10599

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
C000129136	45	<10	10.2	50	66.4
C000129137	46	<10	11.3	64	87.7
C000129138	43	<10	15.7	72	143
C000129139	45	<10	8.4	37	53.6
C000129140	52	<10	12.0	33	63.4
C000129141	53	<10	12.8	46	81.8
C000129142	49	<10	15.6	52	126
C000129143	50	<10	13.0	38	93.0
*Std OREAS 520	255	40	18.7	19	120
*Std OREAS 601b	12	<10	10.6	342	175
*Rep C000129131	43	<10	9.0	31	65.3
*Blk BLANK	<2	<10	<0.5	2	<0.5

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Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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ROCKS

BBM21-08400

SGS

ANALYSIS REPORT BBM21-08400

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE ST
VANCOUVER V6C 1V4
BC
CANADA

Order Number	PO#	Date Received	06-Apr-2021
Submission Number	*BBY* KOOCANUSA/ 1 Rock	Date Analysed	08-Apr-2021 - 03-May-2021
Number of Samples	1	Date Completed	04-May-2021
		SGS Order Number	BBM21-08400

Methods Summary

Number of Sample	Method Code	Description
1	G_WGH_KG	Weight of samples received
1	G_PRP	Combined Sample Preparation
1	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
1	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
1	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO#
Submission Number *BBY* KOOCANUSA/ 1 Rock
Number of Samples 1

ANALYSIS REPORT BBM21-08400

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
D00026963	1.24	<5	<2	8.82	9	616
*Blk BLANK	-	<5	-	-	-	-
*Std OREAS235	-	1590	-	-	-	-
*Std OREAS601B	-	-	48	6.22	302	1000
*Std OREAS 520	-	-	<2	5.94	163	720
*Blk BLANK	-	-	<2	<0.01	<3	<1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
D00026963	1.6	<5	6.41	<1	21	82
*Std OREAS601B	2.3	17	0.83	2	1	17
*Std OREAS 520	1.7	<5	3.76	3	196	31
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00026963	45.3	5.96	2.02	11.3	16	3.13
*Std OREAS601B	1009	2.33	2.42	30.8	22	0.09
*Std OREAS 520	2981	>15.00	3.60	84.7	18	1.19
*Blk BLANK	0.8	<0.01	<0.01	<0.5	<1	<0.01

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO#
Submission Number *BBY* KOOCANUSA/ 1 Rock
Number of Samples 1

ANALYSIS REPORT BBM21-08400

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00026963	786	5	2.42	39	0.15	<2
*Std OREAS601B	215	6	1.80	7	0.03	313
*Std OREAS 520	2179	61	1.33	71	0.08	4
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00026963	0.06	10	28.4	<10	661	0.44
*Std OREAS601B	1.51	24	3.2	<10	243	0.12
*Std OREAS 520	0.99	<5	16.7	<10	104	0.38
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00026963	263	<10	15.8	27	17.1
*Std OREAS601B	12	<10	10.0	292	166
*Std OREAS 520	254	37	20.4	20	129
*Blk BLANK	<2	<10	<0.5	1	<0.5

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Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-10581

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ANALYSIS REPORT BBM21-10581

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Submission Number	*BBY* SGDS HIVE /KOOCANUSA/ 17	Date Received	18-Jun-2021
Rock Samples		Date Analysed	30-Jun-2021 - 03-Aug-2021
Number of Samples	17	Date Completed	04-Aug-2021
		SGS Order Number	BBM21-10581

Methods Summary

Number of Sample	Method Code	Description
17	G_PRP	Combined Sample Preparation
17	G_WGH_KG	Weight of samples received
17	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
17	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
17	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml
3	GE_DIG37A25	3 Acid Digest (HCL/HNO3/H2SO4), Cold Vapour AAS, Hg, 0.15g-25ml
3	GE_CVA37A25	3 Acid Digest (HNO3/H2SO4/HCL),0.15-25ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

ANALYSIS REPORT BBM21-10581

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
D00030462	1.17	<5	<2	2.65	<3	191
D00030463	1.49	<5	<2	4.54	<3	1875
D00030464	1.04	<5	<2	6.87	<3	427
D00030465	1.63	<5	<2	6.80	<3	1298
D00030466	1.37	<5	<2	5.04	<3	610
D00030467	0.58	<5	<2	5.04	<3	994
D00030468	1.83	<5	<2	7.52	17	1717
D00030456	1.54	<5	<2	2.58	<3	520
D00030457	0.53	6	<2	2.86	<3	271
D00030458	1.58	<5	<2	0.95	<3	84
D00030459	1.10	<5	<2	1.43	<3	116
D00030460	0.86	<5	<2	4.13	<3	267
D00030461	1.57	<5	<2	6.97	<3	546
D00030452	0.73	<5	<2	2.59	<3	1003
D00030453	1.17	<5	<2	2.11	<3	866
D00030454	0.71	<5	<2	1.39	5	179
D00030455	1.30	6	<2	0.85	4	119
*Std OREAS 238	-	2960	-	-	-	-
*Blk BLANK	-	6	-	-	-	-
*Rep D00030454	-	5	-	-	-	-
*Std SN106	-	8130	-	-	-	-
*Std OREAS 279	-	6590	-	-	-	-
*Blk BLANK	-	7	-	-	-	-
*Std OREAS 520	-	-	3	5.54	152	815
*Std OREAS 601b	-	-	49	6.36	285	340
*Blk BLANK	-	-	<2	<0.01	<3	1
*Std OREAS 520	-	-	3	5.42	151	605
*Std OREAS 601b	-	-	52	6.35	273	495
*Blk BLANK	-	-	<2	<0.01	<3	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

ANALYSIS REPORT BBM21-10581

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
D00030462	0.6	<5	13.32	<1	4	10
D00030463	1.3	<5	2.55	<1	<1	36
D00030464	1.8	<5	1.97	<1	1	34
D00030465	1.5	<5	2.17	<1	<1	35
D00030466	1.3	<5	1.84	<1	9	36
D00030467	1.4	<5	2.97	<1	1	23
D00030468	2.3	<5	0.55	<1	6	25
D00030456	<0.5	<5	0.07	<1	3	28
D00030457	0.9	<5	7.67	<1	2	22
D00030458	0.6	<5	>15.00	<1	2	7
D00030459	<0.5	<5	>15.00	<1	4	4
D00030460	1.0	<5	9.24	<1	6	15
D00030461	1.9	<5	1.97	<1	6	19
D00030452	<0.5	<5	0.08	<1	8	24
D00030453	<0.5	<5	0.16	<1	4	40
D00030454	0.6	<5	>15.00	<1	3	12
D00030455	<0.5	<5	>15.00	<1	2	10
*Std OREAS 520	0.7	<5	3.90	<1	198	32
*Std OREAS 601b	2.1	16	0.85	1	3	18
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1
*Std OREAS 520	0.6	<5	4.00	<1	192	33
*Std OREAS 601b	2.0	15	0.88	<1	3	17
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00030462	57.4	1.46	1.34	12.6	10	8.01

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

ANALYSIS REPORT BBM21-10581

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00030463	1.1	1.93	2.49	18.8	14	1.40
D00030464	10.2	1.83	3.90	36.6	22	1.99
D00030465	1.6	2.02	3.81	36.2	21	2.04
D00030466	0.8	2.37	2.45	34.5	41	2.16
D00030467	4.4	2.58	2.85	22.0	18	2.23
D00030468	16.4	2.94	3.80	26.7	72	1.99
D00030456	0.9	1.74	0.82	13.0	19	0.95
D00030457	1.0	1.93	1.55	19.4	14	4.86
D00030458	0.8	1.78	0.52	8.0	9	12.08
D00030459	0.5	1.63	0.14	0.8	40	1.39
D00030460	69.5	1.30	2.16	19.7	10	6.11
D00030461	41.8	0.75	3.64	29.3	9	1.56
D00030452	0.6	3.39	0.21	12.0	44	2.33
D00030453	0.8	2.83	0.32	21.2	25	1.62
D00030454	75.1	1.57	0.78	9.2	8	9.74
D00030455	194	1.41	0.45	6.0	6	8.46
*Std OREAS 520	3011	14.94	3.42	76.0	17	1.15
*Std OREAS 601b	1011	2.16	2.32	30.9	20	0.10
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01
*Std OREAS 520	2887	>15.00	3.45	79.7	18	1.24
*Std OREAS 601b	996	2.34	2.38	32.5	22	0.11
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00030462	728	<1	0.03	8	0.02	2
D00030463	431	<1	0.04	10	0.11	<2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

ANALYSIS REPORT BBM21-10581

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00030464	324	<1	0.12	18	0.08	<2
D00030465	331	<1	0.05	13	0.07	<2
D00030466	446	<1	0.64	24	0.07	2
D00030467	691	<1	0.04	14	0.06	<2
D00030468	338	2	0.83	14	0.04	7
D00030456	85	2	0.04	4	0.02	<2
D00030457	1087	1	0.03	9	0.05	<2
D00030458	1291	<1	0.02	6	<0.01	<2
D00030459	389	<1	0.02	5	<0.01	<2
D00030460	589	<1	0.04	11	0.04	<2
D00030461	143	<1	0.05	9	0.05	<2
D00030452	271	<1	0.02	8	0.02	<2
D00030453	475	2	0.03	6	0.05	<2
D00030454	911	<1	0.03	12	0.02	4
D00030455	841	<1	0.02	14	0.02	<2
*Std OREAS 520	2410	63	1.32	69	0.08	4
*Std OREAS 601b	217	6	1.74	6	0.03	314
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2
*Std OREAS 520	2318	54	1.31	72	0.07	5
*Std OREAS 601b	223	5	1.83	7	0.03	332
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00030462	0.01	<5	4.0	<10	60.3	0.05
D00030463	0.05	<5	8.7	<10	34.4	0.17
D00030464	0.01	<5	11.1	<10	19.3	0.15

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

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Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00030465	0.03	<5	10.8	<10	25.5	0.18
D00030466	0.02	<5	7.1	<10	32.4	0.14
D00030467	0.02	<5	8.7	<10	21.1	0.12
D00030468	0.05	<5	11.3	<10	37.9	0.26
D00030456	<0.01	<5	2.4	<10	7.5	0.05
D00030457	<0.01	<5	3.9	<10	35.8	0.07
D00030458	<0.01	<5	1.8	<10	62.1	0.02
D00030459	<0.01	<5	1.4	<10	18.8	<0.01
D00030460	0.01	<5	6.1	<10	50.3	0.07
D00030461	<0.01	<5	8.6	<10	16.0	0.14
D00030452	0.03	<5	2.9	<10	14.4	0.03
D00030453	0.02	<5	4.9	<10	10.5	0.06
D00030454	0.03	<5	2.4	<10	59.0	0.03
D00030455	0.02	<5	1.3	<10	56.6	0.02
*Std OREAS 520	1.03	<5	15.9	<10	106	0.41
*Std OREAS 601b	1.53	23	3.4	<10	238	0.13
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01
*Std OREAS 520	0.95	<5	15.3	<10	96.8	0.38
*Std OREAS 601b	1.46	21	3.4	<10	231	0.12
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr	Hg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_CVA37A25
Lower Limit	2	10	0.5	1	0.5	0.005
Upper Limit	10,000	10,000	10,000	10,000	10,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00030462	28	<10	12.7	1	33.6	0.041
D00030463	46	<10	14.8	8	93.3	-
D00030464	66	<10	11.2	7	50.4	0.006
D00030465	64	<10	19.6	3	122	0.008

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Submission Number *BBY* SGDS HIVE /KOOCANUSA/
17 Rock Samples
Number of Samples 17

ANALYSIS REPORT BBM21-10581

Element	@V	@W	@Y	@Zn	@Zr	Hg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_CVA37A25
Lower Limit	2	10	0.5	1	0.5	0.005
Upper Limit	10,000	10,000	10,000	10,000	10,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00030466	40	<10	14.9	24	82.6	-
D00030467	48	<10	12.9	10	53.2	-
D00030468	57	<10	22.1	49	143	-
D00030456	17	<10	4.2	<1	24.6	-
D00030457	27	<10	12.4	4	59.2	-
D00030458	12	<10	12.1	<1	13.9	-
D00030459	10	<10	3.6	<1	2.0	-
D00030460	36	<10	12.9	<1	49.2	-
D00030461	48	<10	12.2	<1	75.4	-
D00030452	20	<10	3.2	5	24.6	-
D00030453	20	<10	4.9	2	38.2	-
D00030454	15	<10	9.1	2	15.5	-
D00030455	11	<10	9.7	3	14.6	-
*Std OREAS 520	255	40	18.7	19	120	-
*Std OREAS 601b	12	<10	10.6	342	175	-
*Blk BLANK	<2	<10	<0.5	2	<0.5	-
*Std OREAS 520	254	38	20.0	17	117	-
*Std OREAS 601b	12	<10	11.2	322	178	-
*Blk BLANK	<2	<10	<0.5	<1	<0.5	-
*Rep D00030464	-	-	-	-	-	<0.005
*Std OREAS 621	-	-	-	-	-	4.186
*Blk BLANK	-	-	-	-	-	<0.005
*Std CZN-4	-	-	-	-	-	4.643

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-10582

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ANALYSIS REPORT BBM21-10582

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Order Number	PO:	Date Received	18-Jun-2021
Submission Number	*BBY* SGDS HIVE /KOOCANUSA/ 4	Date Analysed	24-Jun-2021 - 02-Aug-2021
Rock Samples		Date Completed	02-Aug-2021
Number of Samples	4	SGS Order Number	BBM21-10582

Methods Summary

Number of Sample	Method Code	Description
4	G_PRP	Combined Sample Preparation
4	G_WGH_KG	Weight of samples received
4	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
4	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
4	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 4
Rock Samples
Number of Samples 4

ANALYSIS REPORT BBM21-10582

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
D00030430	1.93	7	<2	7.51	<3	1782
D00030431	1.63	<5	<2	0.81	<3	132
D00026809	2.24	<5	<2	6.53	9	1701
D00026810	3.24	6	<2	7.40	<3	717
*Std OREAS 238	-	2960	-	-	-	-
*Blk BLANK	-	6	-	-	-	-
*Std SN106	-	8130	-	-	-	-
*Std OREAS 279	-	6590	-	-	-	-
*Blk BLANK	-	7	-	-	-	-
*Std OREAS 520	-	-	3	5.54	152	815
*Std OREAS 601b	-	-	49	6.36	285	340
*Blk BLANK	-	-	<2	<0.01	<3	1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
D00030430	1.3	<5	2.08	<1	<1	46
D00030431	<0.5	<5	0.02	<1	1	19
D00026809	2.4	<5	0.56	<1	12	21
D00026810	2.1	<5	0.20	<1	3	37
*Std OREAS 520	0.7	<5	3.90	<1	198	32
*Std OREAS 601b	2.1	16	0.85	1	3	18
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 4
Rock Samples
Number of Samples 4

ANALYSIS REPORT BBM21-10582

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00030430	<0.5	2.38	3.81	38.6	7	1.52
D00030431	0.8	0.93	0.25	3.3	7	0.29
D00026809	53.3	2.09	3.40	32.7	57	1.62
D00026810	15.3	3.49	2.86	24.3	31	0.75
*Std OREAS 520	3011	14.94	3.42	76.0	17	1.15
*Std OREAS 601b	1011	2.16	2.32	30.9	20	0.10
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00030430	173	1	0.07	3	0.07	<2
D00030431	139	3	0.02	2	<0.01	<2
D00026809	142	1	0.53	20	0.04	<2
D00026810	496	2	1.46	7	0.04	21
*Std OREAS 520	2410	63	1.32	69	0.08	4
*Std OREAS 601b	217	6	1.74	6	0.03	314
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00030430	<0.01	<5	10.5	<10	25.3	0.27
D00030431	<0.01	<5	0.5	<10	2.7	0.02
D00026809	0.07	<5	9.9	<10	36.1	0.20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 4
Rock Samples
Number of Samples 4

ANALYSIS REPORT BBM21-10582

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00026810	0.05	<5	10.5	<10	110	0.32
*Std OREAS 520	1.03	<5	15.9	<10	106	0.41
*Std OREAS 601b	1.53	23	3.4	<10	238	0.13
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00030430	59	<10	11.5	1	98.9
D00030431	6	<10	1.3	3	9.1
D00026809	49	<10	23.6	27	125
D00026810	56	<10	15.5	55	64.1
*Std OREAS 520	255	40	18.7	19	120
*Std OREAS 601b	12	<10	10.6	342	175
*Blk BLANK	<2	<10	<0.5	2	<0.5

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-10583

BBM21-10583

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ANALYSIS REPORT BBM21-10583

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Submission Number	*BBY* SGDS HIVE /KOOCANUSA/ 7	Date Received	18-Jun-2021
Rock Samples		Date Analysed	24-Jun-2021 - 02-Aug-2021
Number of Samples	7	Date Completed	02-Aug-2021
		SGS Order Number	BBM21-10583

Methods Summary

Number of Sample	Method Code	Description
7	G_PRP	Combined Sample Preparation
7	G_WGH_KG	Weight of samples received
7	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
7	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
7	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 7
Rock Samples
Number of Samples 7

ANALYSIS REPORT BBM21-10583

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
D00026802	0.86	<5	<2	1.53	<3	228
D00026803	1.37	7	<2	1.62	<3	>10000
D00026804	0.80	6	<2	2.02	<3	227
D00026805	1.75	7	<2	0.27	<3	52
D00026806	0.48	6	<2	0.99	<3	159
D00026807	1.37	6	<2	5.32	5	394
D00026808	1.54	<5	<2	7.35	4	653
*Std OREAS 520	-	-	3	5.54	152	815
*Std OREAS 601b	-	-	49	6.36	285	340
*Blk BLANK	-	-	<2	<0.01	<3	1
*Std OREAS 238	-	2960	-	-	-	-
*Blk BLANK	-	6	-	-	-	-
*Std SN106	-	8130	-	-	-	-
*Std OREAS 279	-	6590	-	-	-	-
*Blk BLANK	-	7	-	-	-	-

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
D00026802	<0.5	<5	>15.00	<1	3	8
D00026803	<0.5	<5	0.08	<1	2	29
D00026804	<0.5	<5	0.05	<1	3	18
D00026805	<0.5	<5	0.09	<1	<1	35
D00026806	<0.5	<5	0.04	<1	<1	22
D00026807	1.9	<5	0.31	<1	4	26
D00026808	2.2	<5	0.56	<1	4	2
*Std OREAS 520	0.7	<5	3.90	<1	198	32
*Std OREAS 601b	2.1	16	0.85	1	3	18

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 7
Rock Samples
Number of Samples 7

ANALYSIS REPORT BBM21-10583

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00026802	<0.5	1.16	0.81	13.2	5	10.20
D00026803	5.1	3.26	0.31	5.4	18	1.00
D00026804	0.5	1.54	0.53	8.3	20	0.93
D00026805	2.9	1.49	0.07	0.9	4	0.16
D00026806	0.9	0.60	0.45	3.6	3	0.10
D00026807	1.9	9.63	2.95	51.8	35	0.95
D00026808	1.0	5.76	3.87	73.6	48	1.70
*Std OREAS 520	3011	14.94	3.42	76.0	17	1.15
*Std OREAS 601b	1011	2.16	2.32	30.9	20	0.10
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00026802	820	<1	0.04	4	0.02	<2
D00026803	876	3	0.02	7	0.02	<2
D00026804	74	2	0.02	4	0.03	<2
D00026805	266	5	0.01	4	<0.01	<2
D00026806	73	3	0.02	2	<0.01	<2
D00026807	335	1	0.03	19	0.08	<2
D00026808	530	2	0.04	2	0.11	<2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 7
Rock Samples
Number of Samples 7

ANALYSIS REPORT BBM21-10583

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
*Std OREAS 520	2410	63	1.32	69	0.08	4
*Std OREAS 601b	217	6	1.74	6	0.03	314
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00026802	0.02	<5	2.6	<10	77.6	0.05
D00026803	0.29	<5	1.5	<10	331	0.02
D00026804	<0.01	<5	0.9	<10	3.8	0.03
D00026805	<0.01	<5	<0.5	<10	1.9	<0.01
D00026806	<0.01	<5	0.6	<10	3.1	0.02
D00026807	<0.01	<5	9.4	<10	8.2	0.29
D00026808	<0.01	<5	14.7	<10	9.2	0.30
*Std OREAS 520	1.03	<5	15.9	<10	106	0.41
*Std OREAS 601b	1.53	23	3.4	<10	238	0.13
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00026802	17	<10	8.8	9	21.4
D00026803	13	<10	2.1	5	14.2
D00026804	11	<10	2.3	4	15.2
D00026805	5	<10	0.5	3	2.2
D00026806	6	<10	1.1	20	13.6

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Submission Number *BBY* SGDS HIVE /KOOCANUSA/ 7
Rock Samples
Number of Samples 7

ANALYSIS REPORT BBM21-10583

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00026807	14	<10	9.7	20	39.0
D00026808	3	<10	12.2	20	96.2
*Std OREAS 520	255	40	18.7	19	120
*Std OREAS 601b	12	<10	10.6	342	175
*Blk BLANK	<2	<10	<0.5	2	<0.5

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-11679

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ANALYSIS REPORT BBM21-11679

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Order Number	PO:	Date Received	27-Jul-2021
Submission Number	*BBY* SGDS/ KOOCANUSA/ 8 Rock	Date Analysed	07-Aug-2021 - 01-Sep-2021
Number of Samples	8	Date Completed	01-Sep-2021
		SGS Order Number	BBM21-11679

Methods Summary

Number of Sample	Method Code	Description
8	G_PRP	Combined Sample Preparation
8	G_WGH_KG	Weight of samples received
8	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
8	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
8	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 8 Rock
Number of Samples 8

ANALYSIS REPORT BBM21-11679

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
D00030469	2.58	<5	<2	1.56	<3	1361
D00030470	1.37	<5	<2	1.91	<3	267
D00030471	1.51	<5	<2	2.11	<3	206
D00030472	1.40	<5	<2	1.45	4	5119
D00030473	1.93	<5	<2	0.64	<3	1381
D00030474	1.99	<5	<2	2.97	<3	2374
D00030475	1.26	<5	<2	1.94	<3	140
D00030476	1.26	<5	<2	3.49	<3	2352
*Rep D00030474	-	<5	-	-	-	-
*Blk BLANK	-	<5	-	-	-	-
*Std OREAS 238	-	3090	-	-	-	-
*Std OREAS 601b	-	-	54	6.50	272	314
*Std OREAS 520	-	-	<2	5.65	149	577
*Rep D00030472	-	-	<2	1.51	4	5557
*Blk BLANK	-	-	<2	<0.01	<3	<1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
D00030469	0.6	<5	>15.00	<1	2	8
D00030470	0.6	<5	13.87	<1	1	7
D00030471	0.7	<5	13.60	<1	2	11
D00030472	0.6	<5	>15.00	<1	2	8
D00030473	<0.5	<5	>15.00	<1	<1	3
D00030474	1.0	<5	12.48	<1	2	10
D00030475	0.8	<5	13.03	<1	2	11
D00030476	1.0	<5	1.80	<1	2	16
*Std OREAS 601b	2.1	18	0.85	1	3	17

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 8 Rock
Number of Samples 8

ANALYSIS REPORT BBM21-11679

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
*Std OREAS 520	0.9	<5	3.87	<1	207	32
*Rep D00030472	0.6	<5	>15.00	<1	2	9
*Blk BLANK	<0.5	<5	0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
D00030469	711	1.34	0.88	9.8	7	10.10
D00030470	356	1.28	1.08	11.0	7	9.21
D00030471	417	1.26	1.19	10.5	8	9.17
D00030472	158	1.34	0.80	9.2	7	9.90
D00030473	232	1.51	0.37	5.5	6	10.39
D00030474	330	1.19	1.70	13.4	9	8.22
D00030475	611	1.35	1.11	12.1	6	8.66
D00030476	3.6	3.66	1.51	24.7	18	1.74
*Std OREAS 601b	942	2.35	2.29	33.4	22	0.10
*Std OREAS 520	2840	>15.00	3.54	81.5	18	1.18
*Rep D00030472	165	1.36	0.86	9.7	7	10.37
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00030469	721	<1	0.03	9	0.02	<2
D00030470	687	<1	0.03	8	0.02	<2
D00030471	703	<1	0.03	10	0.03	<2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 8 Rock
Number of Samples 8

ANALYSIS REPORT BBM21-11679

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
D00030472	686	<1	0.02	10	0.02	<2
D00030473	941	<1	0.02	6	<0.01	<2
D00030474	664	<1	0.03	7	0.02	<2
D00030475	767	<1	0.02	7	0.02	<2
D00030476	436	<1	0.03	14	0.03	<2
*Std OREAS 601b	212	6	1.84	7	0.03	339
*Std OREAS 520	2338	58	1.42	73	0.07	5
*Rep D00030472	760	<1	0.03	10	0.02	<2
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
D00030469	0.08	<5	2.6	<10	72.5	0.03
D00030470	0.08	<5	2.9	<10	67.1	0.03
D00030471	0.05	<5	3.1	<10	66.5	0.04
D00030472	0.17	<5	2.3	<10	67.4	0.03
D00030473	0.06	<5	1.0	<10	75.5	0.01
D00030474	0.09	<5	4.2	<10	64.9	0.05
D00030475	0.01	<5	2.8	<10	63.5	0.03
D00030476	0.09	<5	6.3	<10	20.0	0.05
*Std OREAS 601b	1.51	24	3.5	<10	223	0.13
*Std OREAS 520	0.99	<5	16.0	<10	101	0.40
*Rep D00030472	0.19	<5	2.4	<10	70.8	0.03
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 8 Rock
Number of Samples 8

ANALYSIS REPORT BBM21-11679

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
D00030469	15	<10	9.6	2	17.1
D00030470	17	<10	9.6	1	24.3
D00030471	18	<10	10.0	2	32.0
D00030472	13	<10	8.8	2	21.3
D00030473	8	<10	8.6	2	9.3
D00030474	27	<10	9.5	1	36.3
D00030475	19	<10	9.2	1	23.6
D00030476	34	<10	7.2	3	40.0
*Std OREAS 601b	11	<10	10.8	319	167
*Std OREAS 520	249	23	19.2	22	123
*Rep D00030472	14	<10	9.3	2	20.7
*Blk BLANK	<2	<10	<0.5	<1	<0.5

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-11680

SGS

ANALYSIS REPORT BBM21-11680

To STRATA GEODATA SERVICES LTD
RUSSELL HARTLAUB
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Order Number	PO:	Date Received	28-Jul-2021
Submission Number	*BBY* SGDS/ KOOCANUSA/ 7 Rock	Date Analysed	07-Aug-2021 - 10-Oct-2021
Number of Samples	7	Date Completed	10-Oct-2021
		SGS Order Number	BBM21-11680

Methods Summary

Number of Sample	Method Code	Description
7	G_WGH_KG	Weight of samples received
7	G_PRP	Combined Sample Preparation
7	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
7	GE_DIG40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3)
7	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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SGS

Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 7 Rock
Number of Samples 7

ANALYSIS REPORT BBM21-11680

Element	Wtkg	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
RH21-2	0.54	<5	<2	3.49	4	394
RH21-3a	1.15	<5	<2	2.52	<3	242
RH21-3b	0.77	<5	<2	2.02	4	730
RH21-4a	0.31	<5	<2	1.12	<3	1561
RH21-4b	0.82	<5	<2	1.24	<3	2008
RH21-4c	0.59	<5	<2	2.26	3	433
RH21-5	0.65	<5	<2	2.41	4	221
*Rep RH21-2	-	<5	-	-	-	-
*Std OREAS 238	-	2880	-	-	-	-
*Blk BLANK	-	<5	-	-	-	-

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
RH21-2	1.0	<5	4.42	<1	9	11
RH21-3a	0.8	<5	14.36	<1	2	17
RH21-3b	0.7	<5	>15.00	<1	2	7
RH21-4a	0.5	<5	>15.00	<1	4	4
RH21-4b	0.5	<5	>15.00	<1	2	9
RH21-4c	0.7	<5	14.48	<1	2	8
RH21-5	0.8	<5	13.65	<1	21	8

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
RH21-2	20.8	1.66	1.66	18.6	8	2.14

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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SGS

Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 7 Rock
Number of Samples 7

ANALYSIS REPORT BBM21-11680

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
RH21-3a	347	1.14	1.37	12.7	9	8.90
RH21-3b	554	1.19	1.13	11.3	8	9.93
RH21-4a	969	1.43	0.64	8.4	5	10.15
RH21-4b	790	1.41	0.70	9.2	6	10.10
RH21-4c	495	1.16	1.23	13.5	7	8.84
RH21-5	199	1.45	1.12	14.5	11	6.76

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
RH21-2	420	<1	0.04	13	0.03	<2
RH21-3a	674	<1	0.03	11	0.03	<2
RH21-3b	725	<1	0.03	11	0.02	<2
RH21-4a	879	<1	0.02	15	0.01	<2
RH21-4b	899	<1	0.02	14	0.01	<2
RH21-4c	753	<1	0.03	8	0.02	<2
RH21-5	772	<1	0.03	17	0.03	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
RH21-2	<0.01	<5	5.4	<10	21.6	0.05
RH21-3a	0.05	<5	3.3	<10	67.3	0.05
RH21-3b	0.06	<5	2.5	<10	71.4	0.03
RH21-4a	0.19	<5	1.6	<10	67.6	0.02
RH21-4b	0.12	<5	1.8	<10	67.4	0.02

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number *BBY* SGDS/ KOOCANUSA/ 7 Rock
Number of Samples 7

ANALYSIS REPORT BBM21-11680

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
RH21-4c	0.05	<5	2.9	<10	63.0	0.04
RH21-5	0.02	<5	3.6	<10	57.8	0.05

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
RH21-2	29	<10	8.8	1	37.5
RH21-3a	19	<10	10.3	3	34.9
RH21-3b	15	<10	9.6	2	26.3
RH21-4a	11	<10	8.3	1	11.4
RH21-4b	12	<10	8.9	2	13.5
RH21-4c	19	<10	9.1	2	26.7
RH21-5	28	<10	14.3	3	37.2

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Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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BBM21-14431

SGS

ANALYSIS REPORT BBM21-14431

To STRATA GEODATA SERVICES LTD
ANDY RANDELL
UNIT 330
470 GRANVILLE STREET
VANCOUVER V6C 1V4
BC
CANADA

Project	Koocanusa	Date Received	22-Nov-2021
Submission Number	*BBY* SGDS HIVE/ Koocanusa / 8	Date Analysed	24-Nov-2021 - 30-Jan-2022
Rocks		Date Completed	31-Jan-2022
Number of Samples	8	SGS Order Number	BBM21-14431

Methods Summary

Number of Sample	Method Code	Description
8	G_WGH_KG	Weight of samples received
8	GE_FAA30V5	Au, FAS, exploration grade, AAS, 30g-5ml
8	GE_ICP40Q12	4 Acid Digest (HCL/HCLO4/HF/HNO3), ICP, 0.2g-12ml

Authorised Signatory

John Chiang
Laboratory Operations Manager

SCC Accredited LAB Accrédité CCN

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project Koocanusa
Submission Number *BBY* SGDS HIVE/ Koocanusa / 8
Rocks
Number of Samples 8

ANALYSIS REPORT BBM21-14431

Element	WTKG	@Au	@Ag	@Al	@As	@Ba
Method	G_WGH_KG	GE_FAA30V5	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	2	0.01	3	1
Upper Limit	--	10,000	100	15	10,000	10,000
Unit	kg	ppb	ppm m / m	%	ppm m / m	ppm m / m
C00064351	4.41	<5	<2	4.48	10	6334
C00064352	2.89	6	<2	4.24	10	1203
C00064353	3.50	<5	<2	5.66	8	270
C00064354	3.64	<5	<2	4.75	9	1366
C00064355	2.33	<5	<2	6.29	6	319
C00064356	2.43	<5	<2	6.00	10	487
C00064357	1.28	<5	<2	3.35	5	350
C00064358	2.01	<5	<2	1.95	<3	152
*Std SL105	-	5490	-	-	-	-
*Blk BLANK	-	<5	-	-	-	-
*Std OREAS 520	-	-	<2	5.73	153	588
*Std OREAS 601b	-	-	50	6.54	283	417
*Blk BLANK	-	-	<2	<0.01	<3	1

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
C00064351	1.1	<5	4.04	<1	41	3
C00064352	1.2	<5	9.48	<1	7	1
C00064353	1.5	<5	0.22	<1	18	5
C00064354	1.3	<5	0.14	<1	32	8
C00064355	1.7	<5	0.18	<1	5	3
C00064356	2.2	<5	0.50	<1	4	10
C00064357	1.4	<5	2.17	<1	3	10
C00064358	0.7	<5	13.10	<1	2	9
*Std OREAS 520	0.9	<5	3.86	<1	206	30
*Std OREAS 601b	2.1	15	0.85	<1	3	16

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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SGS

Project Koocanusa
Submission Number *BBY* SGDS HIVE/ Koocanusa / 8
Rocks
Number of Samples 8

ANALYSIS REPORT BBM21-14431

Element	@Be	@Bi	@Ca	@Cd	@Co	@Cr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	5	0.01	1	1	1
Upper Limit	2,500	10,000	15	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1

Element	@Cu	@Fe	@K	@La	@Li	@Mg
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.5	0.01	0.01	0.5	1	0.01
Upper Limit	10,000	15	15	10,000	10,000	15
Unit	ppm m / m	%	%	ppm m / m	ppm m / m	%
C00064351	7.8	>15.00	1.61	72.3	43	1.78
C00064352	3.8	9.54	2.14	184	25	3.47
C00064353	2.6	10.65	2.25	75.6	58	2.43
C00064354	20.3	>15.00	1.72	61.5	50	2.04
C00064355	1.2	9.56	2.67	54.3	56	2.27
C00064356	4.2	7.73	3.19	50.8	38	1.13
C00064357	54.5	8.86	1.83	31.5	18	1.21
C00064358	287	1.77	0.87	11.0	12	8.11
*Std OREAS 520	2909	>15.00	3.37	80.0	17	1.13
*Std OREAS 601b	1003	2.29	2.27	33.1	21	0.09
*Blk BLANK	<0.5	<0.01	<0.01	<0.5	<1	<0.01

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C00064351	3231	3	0.02	34	0.07	2
C00064352	2853	2	0.03	12	0.08	<2
C00064353	291	2	0.02	3	0.07	3
C00064354	319	<1	0.02	2	0.07	2
C00064355	202	2	0.03	<1	0.09	3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project	Koocanusa
Submission Number	*BBY* SGDS HIVE/ Koocanusa / 8
Rocks	
Number of Samples	8

ANALYSIS REPORT BBM21-14431

Element	@Mn	@Mo	@Na	@Ni	@P	@Pb
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	1	0.01	1	0.01	2
Upper Limit	10,000	10,000	15	10,000	15	10,000
Unit	ppm m / m	ppm m / m	%	ppm m / m	%	ppm m / m
C00064356	621	1	0.03	32	0.07	<2
C00064357	1208	5	0.02	10	0.05	<2
C00064358	807	<1	0.03	10	0.02	<2
*Std OREAS 520	2365	57	1.39	73	0.07	5
*Std OREAS 601b	225	6	1.88	6	0.03	300
*Blk BLANK	<2	<1	<0.01	<1	<0.01	<2

Element	@S	@Sb	@Sc	@Sn	@Sr	@Ti
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	0.01	5	0.5	10	0.5	0.01
Upper Limit	5	10,000	10,000	10,000	10,000	15
Unit	%	ppm m / m	ppm m / m	ppm m / m	ppm m / m	%
C00064351	0.17	<5	8.7	<10	24.7	0.26
C00064352	0.02	<5	11.3	<10	26.6	0.24
C00064353	<0.01	<5	9.4	<10	6.9	0.37
C00064354	0.07	<5	9.3	<10	10.9	0.23
C00064355	<0.01	<5	11.2	<10	6.2	0.35
C00064356	<0.01	<5	10.2	<10	8.2	0.37
C00064357	<0.01	<5	6.9	<10	19.4	0.21
C00064358	0.01	<5	4.4	<10	71.1	0.06
*Std OREAS 520	1.02	<5	16.6	<10	99.3	0.43
*Std OREAS 601b	1.60	25	3.6	<10	233	0.13
*Blk BLANK	<0.01	<5	<0.5	<10	<0.5	<0.01

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Project	Koocanusa
Submission Number	*BBY* SGDS HIVE/ Koocanusa / 8
Rocks	
Number of Samples	8

ANALYSIS REPORT BBM21-14431

Element	@V	@W	@Y	@Zn	@Zr
Method	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12	GE_ICP40Q12
Lower Limit	2	10	0.5	1	0.5
Upper Limit	10,000	10,000	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
C00064351	<2	<10	18.1	20	88.6
C00064352	<2	<10	31.5	12	162
C00064353	<2	<10	10.5	21	45.5
C00064354	<2	<10	8.3	25	54.2
C00064355	<2	<10	12.4	24	80.1
C00064356	6	<10	8.7	18	20.7
C00064357	<2	<10	9.4	7	41.3
C00064358	26	<10	12.4	4	34.7
*Std OREAS 520	255	27	20.4	21	126
*Std OREAS 601b	12	<10	11.2	331	175
*Blk BLANK	<2	<10	<0.5	<1	<0.5

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Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada Inc. | NAM Minerals Geochemistry 3260 Production Way Burnaby BC. V5A 4W4 CANADA t +1 (604) 638 2349 f +1 (604) 444 5486 www.sgs.com

Appendix 4 - Summary of Expenditures

12/15/21, 12:58 PM

BRITISH COLUMBIA

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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: AEONIAN RESOURCES LTD. (287961)
Submitter: AEONIAN RESOURCES LTD. (287961)
Recorded: 2021/DEC/15
Effective: 2021/DEC/15
D/E Date: 2021/DEC/15

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: **5856318**

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

Work Start Date: 2021/MAR/15
Work Stop Date: 2021/DEC/15
Total Value of Work: $ 83446.28
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	Applied Work Value	Sub-mission Fee
1076871	GOLD CREEK	2020/JUN/20	2023/MAY/01	2024/JAN/01	245	84.45	$ 507.77	$ 0.00
1076872	TWIN 5	2020/JUN/20	2023/MAY/01	2024/JAN/01	245	84.58	$ 508.55	$ 0.00
1076873	LILO	2020/JUN/20	2023/MAY/01	2024/JAN/01	245	84.55	$ 508.41	$ 0.00
1076884	FRANKIE	2020/JUN/21	2023/MAY/01	2024/JAN/01	245	84.46	$ 506.70	$ 0.00
1077233	LILO2	2020/JUL/15	2023/MAY/01	2024/JAN/01	245	296.00	$ 1678.99	$ 0.00
1077399	LILO3	2020/JUL/20	2023/MAY/01	2024/JAN/01	245	126.87	$ 710.99	$ 0.00
1078138	TWIN 5A	2020/AUG/22	2023/MAY/01	2024/JAN/01	245	507.37	$ 2615.26	$ 0.00
1078139	LILOS TWIN	2020/AUG/22	2023/MAY/01	2024/JAN/01	245	317.16	$ 1634.82	$ 0.00
1078762	GOLD CREEK 1	2020/SEP/18	2023/MAY/01	2024/JAN/01	245	528.73	$ 2530.84	$ 0.00
1078763	GOLD CREEK 2	2020/SEP/18	2023/MAY/01	2024/JAN/01	245	84.60	$ 404.94	$ 0.00
1078861		2020/SEP/25	2023/JAN/01	2024/JAN/01	365	845.32	$ 5355.19	$ 0.00
1079706	GC FRANKIE	2020/NOV/23	2021/NOV/23	2024/JAN/01	769	802.32	$ 8878.12	$ 0.00
1080618	KOO	2021/JAN/17	2022/JAN/17	2024/JAN/01	714	190.09	$ 1859.19	$ 0.00
1081340	DEEP COPPER 1	2021/FEB/22	2022/FEB/22	2024/JAN/01	678	843.74	$ 7836.41	$ 0.00
1081451	COPPER RIDGE	2021/MAR/02	2022/MAR/02	2024/JAN/01	670	1519.34	$ 13927.25	$ 0.00
1081452	COPPER RIDGE NORTH	2021/MAR/02	2022/MAR/02	2024/JAN/01	670	1939.50	$ 17778.79	$ 0.00
1081454	COPPER RIDGE EAST	2021/MAR/02	2022/MAR/02	2024/JAN/01	670	1476.63	$ 13535.80	$ 0.00
1081504	KOO NORTH	2021/MAR/04	2022/MAR/04	2024/JAN/01	668	2004.58	$ 18320.59	$ 0.00
1081505	KOO NORTH 2	2021/MAR/04	2022/MAR/04	2024/JAN/01	668	485.02	$ 4432.78	$ 0.00
1081519	KOO BRIDGE	2021/MAR/05	2022/MAR/05	2024/JAN/01	667	463.98	$ 4234.10	$ 0.00
1081520	LILO INFILL	2021/MAR/05	2022/MAR/05	2024/JAN/01	667	613.02	$ 5594.18	$ 0.00

Financial Summary:

1/2

12/15/21, 12:58 PM

Total applied work value: $ 113359.67

PAC name:	AEONIAN RESOURCES LTD.
Debited PAC amount:	$ 29913.39
Credited PAC amount:	$ 0
Total Submission Fees:	$ 0.0
Total Paid:	**$ 0.0**

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The event was successfully saved.

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NOTE: Original filing calculation missed cells on Excel sheet which changed filing from $83,446 to $92,932.59. Difference will be applied to PAC credit.

Exploration Work type	**Comment**	**Days**		**Totals**
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate Subtotal***	
Andrew Randell	June 4 - 11	8	$700.00	$5,600.00
Dylan Peluso	June 4 - 11	8	$450.00	$3,600.00
Dan Ramirez	June 4 - 11	8	$450.00	$3,600.00
Jacob Moffat	June 4 - 11	8	$500.00	$4,000.00
Liam Connor	June 4 - 11	8	$500.00	$4,000.00
Courtney Austin	June 4 - 11	8	$450.00	$3,600.00
Koeben Jurykovsky	June 4 - 11	8	$450.00	$3,600.00
Andrew Randell	July 19 - 22	4	$700.00	$2,800.00
David Wilkie	July 19 - 22	4	$450.00	$1,800.00
Russell Hartlaub	July 20-21	2	$800.00	$1,600.00
Andrew Randell	November 3-4	2	$700.00	$1,400.00
Liam Connor	November 3-4	2	$550.00	$1,100.00

Jacob Moffat	November 3-4	2	$500.00	$1,000.00	
				$37,700.00	**$37,700.00**
Office Studies	**List Personnel**				
Database compilation	Andy Randell	10.75	$120.00	$1,290.00	
	Liam Connor	9.25	$70.00	$647.50	
Computer modelling	Jacob Moffat	1.3	$40.00	$50.00	
Reprocessing of data	Andy / Liam / Jacob	1.0	$2,328.13	$2,328.13	
General research	Courtney Austin (XRF Work)	48.0	$40.00	$1,920.00	
Report preparation	Russell Hartlaub	1.0	$10,000.00	$10,000.00	
	Andy Randell	30.0	$120.00	$3,600.00	
	Dan Ramirez	10.0	$50.00	$500.00	
				$20,335.63	**$20,335.63**
Remote Sensing	**Total invoiced amount**				
Other (specify)	Drone Processing		$3,563.44	$3,563.44	
				$3,563.44	**$3,563.44**
Ground geophysics	**Rates per m²**				
Magnetics	$3.81			$6,482.62	
				$6,482.62	**$6,482.62**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate per day**	**Subtotal**	
Rock	*All in one cost*		$0.00	$4,648.32	
Other (specify)	XRF Gun Rental		223.39	$6,701.78	
				$11,350.10	**$11,350.10**
Transportation		**No.**	**Rate per day**	**Subtotal**	
truck rental	Driving Force		$297.25	$1189.32	
	National car rental		$110.10	$880.78	
	Driving Force		$117.08	$936.66	
	Enterprise		$262.75	$1051.56	
fuel			$0.00	$2,310.04	
				$6,368.36	**$6,368.36**
Accommodation & Food	**Rates per day**				
Air B&B	$383.75 (June 4-11)			$2930.82	
Sandman Hotel	$143.9 (Jun 11)			$143.9	
Days Inn Cranbrook	$719.44 (Nov. 2)			$719.44	
Expedia	$252.88 (Nov. 3)			$252.88	
Highland Inn Amusement Park	$90.85 (Nov. 5)			$90.85	
BW Plus	$166.66 (Nov 5)			$166.66	
BW Plus	$166.66 (Nov 5)			$166.66	
Marriott	$280.84 (Nov 6)			$280.84	
Meals			$0.00	$1,595.39	
				$6,347.44	**$6,347.44**
Miscellaneous					
Telephone		48.00	$10.00	$480.00	
				$480.00	**$480.00**
Equipment Rentals					
Field Gear (Specify)		61.00	$5.00	$305.00	
				$305.00	**$305.00**

TOTAL Expenditures **$92,932.59**

Appendix 5 – Drone Survey

Appendix 6 – XRF field results

Sample ID	Project No.	Sample Type	Cu Concentration
20KOO-SD001	Koocanusa	Rock Chip	774
20KOO-SD002	Koocanusa	Rock Chip	10
20KOO-SD003	Koocanusa	Rock Chip	-1
20KOO-SD005	Koocanusa	Rock Chip	11
20KOO-SD006	Koocanusa	Rock Chip	-1
20KOO-SD008	Koocanusa	Rock Chip	-1
20KOO-SD009	Koocanusa	Rock Chip	-1
20KOO-SD021	Koocanusa	Rock Chip	-1
AR21-KOO-001	Koocanusa	Rock Chip	-1
AR21-KOO-002	Koocanusa	Rock Chip	-1
AR21-KOO-003	Koocanusa	Rock Chip	-1
AR21-KOO-004	Koocanusa	Rock Chip	-1
AR21-KOO-005	Koocanusa	Rock Chip	-1
AR21-KOO-006	Koocanusa	Rock Chip	-1
AR21-KOO-007	Koocanusa	Rock Chip	-1
AR21-KOO-008	Koocanusa	Rock Chip	-1
AR21-KOO-010	Koocanusa	Rock Chip	-1
AR21-KOO-012	Koocanusa	Rock Chip	-1
AR21-KOO-013	Koocanusa	Rock Chip	-1
AR21-KOO-014	Koocanusa	Rock Chip	-1
AR21-KOO-015	Koocanusa	Rock Chip	105
AR21-KOO-016	Koocanusa	Rock Chip	50
AR21-KOO-017	Koocanusa	Rock Chip	87
AR21-KOO-018	Koocanusa	Rock Chip	-1
AR21-KOO-019	Koocanusa	Rock Chip	9
AR21-KOO-020	Koocanusa	Rock Chip	-1
AR21-KOO-021	Koocanusa	Rock Chip	-1
AR21-KOO-023	Koocanusa	Rock Chip	-1
C00064357-A	Koocanusa	Rock Chip	118
C00064357-B	Koocanusa	Rock Chip	85
CCU001	Koocanusa	Rock Chip	15
CCU002	Koocanusa	Rock Chip	21
CCU003	Koocanusa	Rock Chip	9
CCU004	Koocanusa	Rock Chip	-1
CCU005	Koocanusa	Rock Chip	6
CCU006	Koocanusa	Rock Chip	14
CCU007	Koocanusa	Rock Chip	13

CCU008	Koocanusa	Rock Chip	11
CCU009	Koocanusa	Rock Chip	17
CCU010	Koocanusa	Rock Chip	19
CCU011	Koocanusa	Rock Chip	-1
CCU012	Koocanusa	Rock Chip	16
CCU013	Koocanusa	Rock Chip	-1
CCU014	Koocanusa	Rock Chip	-1
CCU014KJ	Koocanusa	Rock Chip	-1
CCU015	Koocanusa	Rock Chip	-1
CCU016	Koocanusa	Rock Chip	7
CCU017	Koocanusa	Rock Chip	9
CCU018	Koocanusa	Rock Chip	128
CCU018KJ	Koocanusa	Rock Chip	5
CCU019	Koocanusa	Rock Chip	84
CCU020	Koocanusa	Rock Chip	78
CCU021	Koocanusa	Rock Chip	105
CCU022	Koocanusa	Rock Chip	81
CCU023	Koocanusa	Rock Chip	453
CCU024	Koocanusa	Rock Chip	29
CCU025	Koocanusa	Rock Chip	12
CCU026	Koocanusa	Rock Chip	-1
CCU027	Koocanusa	Rock Chip	14
CCU028	Koocanusa	Rock Chip	-1
CCU029	Koocanusa	Rock Chip	-1
CCU030	Koocanusa	Rock Chip	10
CCU031	Koocanusa	Rock Chip	10
CCU032	Koocanusa	Rock Chip	-1
CCU033	Koocanusa	Rock Chip	10
CCU039A	Koocanusa	Rock Chip	-1
CCU039B	Koocanusa	Rock Chip	-1
CCU039C	Koocanusa	Rock Chip	-1
CCU040	Koocanusa	Rock Chip	-1
CCU041	Koocanusa	Rock Chip	-1
CCU042	Koocanusa	Rock Chip	-1
CCU043A	Koocanusa	Rock Chip	6
CCU043B	Koocanusa	Rock Chip	101
CCU044	Koocanusa	Rock Chip	-1
CCU045	Koocanusa	Rock Chip	-1
CCU047	Koocanusa	Rock Chip	-1
CCU048	Koocanusa	Rock Chip	-1
CCU049	Koocanusa	Rock Chip	74
CCU050	Koocanusa	Rock Chip	10

CCU051	Koocanusa	Rock Chip	6
CCU052A	Koocanusa	Rock Chip	-1
CCU052B	Koocanusa	Rock Chip	81
CCU063	Koocanusa	Rock Chip	50
CCU064	Koocanusa	Rock Chip	22
CCU065	Koocanusa	Rock Chip	9
CCU066-A	Koocanusa	Rock Chip	24
CCU066-B	Koocanusa	Rock Chip	43
CCU067	Koocanusa	Rock Chip	12
CCU068	Koocanusa	Rock Chip	10
CCU072KJ	Koocanusa	Rock Chip	-1
CCU073KJ	Koocanusa	Rock Chip	-1
CCU074KJ	Koocanusa	Rock Chip	77
CCU075KJ	Koocanusa	Rock Chip	-1
CCU076	Koocanusa	Rock Chip	31
CCU076KJ	Koocanusa	Rock Chip	20
CCU077	Koocanusa	Rock Chip	271
CCU082A	Koocanusa	Rock Chip	11
CCU082-B	Koocanusa	Rock Chip	-1
CCU083	Koocanusa	Rock Chip	-1
CCU084	Koocanusa	Rock Chip	-1
CCU085	Koocanusa	Rock Chip	-1
CCU086	Koocanusa	Rock Chip	17
CCU087	Koocanusa	Rock Chip	29
CCU088	Koocanusa	Rock Chip	4
CCU089	Koocanusa	Rock Chip	27
CCU090	Koocanusa	Rock Chip	44
CCU091	Koocanusa	Rock Chip	7
CCU092	Koocanusa	Rock Chip	4
CCU093	Koocanusa	Rock Chip	10
CCU094	Koocanusa	Rock Chip	9
CCU096	Koocanusa	Rock Chip	32
CCU097	Koocanusa	Rock Chip	2250
CCU098	Koocanusa	Rock Chip	30
CCU100	Koocanusa	Rock Chip	10
CCU102	Koocanusa	Rock Chip	13
CCU30469AR	Koocanusa	Rock Chip	2885
CCU30470AR	Koocanusa	Rock Chip	300
CCU30471AR	Koocanusa	Rock Chip	56172
CCU30472AR	Koocanusa	Rock Chip	112
CCU30473AR	Koocanusa	Rock Chip	1130
CCU30474AR	Koocanusa	Rock Chip	7471

CCU30474AR-B	Koocanusa	Rock Chip	7630
CCU30475AR	Koocanusa	Rock Chip	197
CCU30476AR	Koocanusa	Rock Chip	38
D00026802LC	Koocanusa	Rock Chip	-1
D00030430DR	Koocanusa	Rock Chip	-1
D00030431DR	Koocanusa	Rock Chip	-1
LC21_KOO_005	Koocanusa	Rock Chip	-1
LC21_KOO_006	Koocanusa	Rock Chip	-1
LC21_KOO_007	Koocanusa	Rock Chip	-1
LC21_KOO_010	Koocanusa	Rock Chip	-1
LC21_KOO_016	Koocanusa	Rock Chip	12
LC21_KOO_017	Koocanusa	Rock Chip	16
LC21_KOO_018	Koocanusa	Rock Chip	-1
LC21_KOO_021	Koocanusa	Rock Chip	8
LC21_KOO_022	Koocanusa	Rock Chip	37
LC21_KOO_024	Koocanusa	Rock Chip	19
001KJ	Koocanusa	Soil Chip	-1
002DP	Koocanusa	Soil Chip	-1
002KJ	Koocanusa	Soil Chip	48
003ADP	Koocanusa	Soil Chip	-1
003BDP	Koocanusa	Soil Chip	-1
003KJ	Koocanusa	Soil Chip	354
004KJ	Koocanusa	Soil Chip	12
005DP	Koocanusa	Soil Chip	-1
005KJ	Koocanusa	Soil Chip	62
006KJ	Koocanusa	Soil Chip	51
007KJ	Koocanusa	Soil Chip	13
008KJ	Koocanusa	Soil Chip	5
009DP	Koocanusa	Soil Chip	162
010DP	Koocanusa	Soil Chip	25
012KJ	Koocanusa	Soil Chip	8
013KJ	Koocanusa	Soil Chip	10
014KJ	Koocanusa	Soil Chip	-1
015KJ	Koocanusa	Soil Chip	10
016DP	Koocanusa	Soil Chip	13
017KJ	Koocanusa	Soil Chip	11
019DP	Koocanusa	Soil Chip	-1
021KJ	Koocanusa	Soil Chip	8
022KJ	Koocanusa	Soil Chip	-1
023KJ	Koocanusa	Soil Chip	5
024KJ	Koocanusa	Soil Chip	5
025DP	Koocanusa	Soil Chip	-1

026KJ	Koocanusa	Soil Chip	-1
027DPA	Koocanusa	Soil Chip	13
029KJ	Koocanusa	Soil Chip	-1
030KJ	Koocanusa	Soil Chip	17
031KJ	Koocanusa	Soil Chip	-1
032KJ	Koocanusa	Soil Chip	151
034KJ	Koocanusa	Soil Chip	-1
047KJ	Koocanusa	Soil Chip	-1
048KJ	Koocanusa	Soil Chip	-1
049KJ	Koocanusa	Soil Chip	6
050KJ	Koocanusa	Soil Chip	-1
053KJ	Koocanusa	Soil Chip	16
053KJ	Koocanusa	Soil Chip	-1
054KJ	Koocanusa	Soil Chip	-1
062DP	Koocanusa	Soil Chip	-1
062KJ	Koocanusa	Soil Chip	-1
063KJ	Koocanusa	Soil Chip	-1
064DP	Koocanusa	Soil Chip	-1
065KJ	Koocanusa	Soil Chip	-1
066KJ	Koocanusa	Soil Chip	5
067KJ	Koocanusa	Soil Chip	-1
068KJ	Koocanusa	Soil Chip	5
071KJ	Koocanusa	Soil Chip	5
082KJ	Koocanusa	Soil Chip	149
083KJ	Koocanusa	Soil Chip	897
084KJ	Koocanusa	Soil Chip	127
085KJ	Koocanusa	Soil Chip	135
086KJ	Koocanusa	Soil Chip	12
087KJ	Koocanusa	Soil Chip	15
088KJ	Koocanusa	Soil Chip	25
089KJ	Koocanusa	Soil Chip	-1
091KJ	Koocanusa	Soil Chip	141
092KJ	Koocanusa	Soil Chip	6
093DP	Koocanusa	Soil Chip	86
095DP	Koocanusa	Soil Chip	74
096DP	Koocanusa	Soil Chip	6
097KJ	Koocanusa	Soil Chip	-1
100KJ-A	Koocanusa	Soil Chip	5
100KJ-B	Koocanusa	Soil Chip	-1
101KJ	Koocanusa	Soil Chip	-1
102KJ	Koocanusa	Soil Chip	-1
103KJ	Koocanusa	Soil Chip	40

104KJ	Koocanusa	Soil Chip	-1
105KJ	Koocanusa	Soil Chip	-1
167DP	Koocanusa	Soil Chip	7
167KJ	Koocanusa	Soil Chip	34
168KJ	Koocanusa	Soil Chip	-1
169KJ	Koocanusa	Soil Chip	6
170KJ	Koocanusa	Soil Chip	10
171KJ	Koocanusa	Soil Chip	-1
172KJ	Koocanusa	Soil Chip	-1
173KJ	Koocanusa	Soil Chip	24
174KJ	Koocanusa	Soil Chip	4
175KJ	Koocanusa	Soil Chip	6
176KJ	Koocanusa	Soil Chip	-1
177KJ	Koocanusa	Soil Chip	-1
178KJ	Koocanusa	Soil Chip	21
179KJ	Koocanusa	Soil Chip	99
180DP	Koocanusa	Soil Chip	10
182DP	Koocanusa	Soil Chip	144
183DP	Koocanusa	Soil Chip	26
184DP	Koocanusa	Soil Chip	77
185KJ	Koocanusa	Soil Chip	-1
186KJ	Koocanusa	Soil Chip	624
187DP	Koocanusa	Soil Chip	14
188DP	Koocanusa	Soil Chip	8
98KJ	Koocanusa	Soil Chip	25
99KJ	Koocanusa	Soil Chip	-1
CCU067	Koocanusa	Special Test	13
CCU067	Koocanusa	Special Test	14
CCU067	Koocanusa	Special Test	11
Garnet_001	Koocanusa	Special Test	1341
Garnet_002	Koocanusa	Special Test	1196