

**BC Geological Survey
Assessment Report
38615**



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2019 Geological and Geochemical Report on the Stock Property

TOTAL COST: \$27,507.41

AUTHOR(S): Daniel Guestrin

SIGNATURE(S):

A handwritten signature in black ink, appearing to read "Daniel Guestrin".

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

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5751479, 13/08/2019

YEAR OF WORK: 2019

PROPERTY NAME: Stock

CLAIM NAME(S) (on which work was done): Stock 2, Stock 3, Rope Burn

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

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Skeena

NTS / BCGS: 104B01

LATITUDE: 56° 8' 27.5" N

LONGITUDE: 130° 7' 16.9" W (at centre of work)

UTM Zone: 9 **EASTING:** 430300 **NORTHING:** 6222300

OWNER(S): Scottie Resources Corp.

MAILING ADDRESS:

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OPERATOR(S) [who paid for the work]: Scottie Resources Corp.

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REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Mudstone, siltstone, diorite, granodiorite, intermediate volcanics, Unuk River andesite unit, Jurassic, Eocene, Hazelton, intrusion-related, epithermal, mesothermal, galena, sphalerite, chalcopyrite, pyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

8909, 28070, 37446

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS		PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)				
Ground, mapping				
Photo interpretation				
GEOPHYSICAL (line-kilometres)				
Ground				
Magnetic				
Electromagnetic				
Induced Polarization				
Radiometric				
Seismic				
Other				
Airborne				
GEOCHEMICAL (number of samples analysed for ...)				
Soil				
Silt				
Rock	40	Stock 2 Rope Burn	Stock 3	\$27507.41
Other				
DRILLING (total metres, number of holes, size, storage location)				
Core				
Non-core				
RELATED TECHNICAL				
Sampling / Assaying				
Petrographic				
Mineralographic				
Metallurgic				
PROSPECTING (scale/area)				
PREPATORY / PHYSICAL				
Line/grid (km)				
Topo/Photogrammetric (scale, area)				
Legal Surveys (scale, area)				
Road, local access (km)/trail				
Trench (number/metres)				
Underground development (metres)				
Other				
		TOTAL COST		\$27507.41

2019 Geological and Geochemical Report on the Stock Property

Skeena Mining Division, British Columbia, Canada
NTS Mapsheet 104B/01
56° 8' 27.5" N Latitude; 130° 7' 16.9" W Longitude

Prepared by Daniel Guestrin, B. Sc.

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November 30, 2019

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SUMMARY

The Stock property is 100% owned by Scottie Resources Corp. and consists of three mineral claims for a total of 2866.7 hectares. The property is centered at 56° 8' 27.5 N, 130° 7' 16.9" W, located approximately twenty-three kilometres north-northeast of the town of Stewart, British Columbia and five kilometres northwest of the Premier Mine.

The 2019 exploration program at Stock was carried out over four days from late-July to mid-August. The property was accessed daily by helicopter from a staging area on the Granduc Road just north of the Salmon Glacier viewpoint. The focus of the program was prospecting of recently exposed outcrops around glacial ablation zones and steep areas that have likely never been assessed. A total of 40 rock samples were collected.

The Stewart region is underlain by rocks of the Stikine volcanic island-arc terrane, situated within the Intermontane belt at the eastern edge of the Coast Plutonic Complex. The Stikine represents a multistage arc terrane, composed of three unconformably bounded successions, developed in an intraoceanic setting isolated from the North American Margin. Upper Triassic sedimentary strata of the Stuhini Group, upper-most Triassic to Lower Jurassic volcano-sedimentary units of the Hazelton Group, and Upper Jurassic to Lower Cretaceous sedimentary units of the Bowser Lake Group are present in the region. Intruding these groups are Jurassic to Eocene intrusions of the Texas Plutonic Suite and Coast Plutonic Complex.

The Stock property is mostly underlain by volcanics and sedimentary rocks of the Unuk River andesite unit of the Lower Hazelton Group. The northern half of the property is primarily thinly bedded siltstone and mudstone. Intermediate volcanoclastics dominate the southern half of the property with thinly bedded tuffs to more massive ash-lapilli tuff. Several intrusions are present on the property. Biotite-rich diorite to granodiorite stocks regionally mapped as Texas Creek Plutonic Suite intrude stratified rocks. A series of Tertiary dykes, with at least five generations observed, are part of the regionally termed Portland Canal Dyke Swarm. Dykes are generally porphyritic and range in composition from diorite to granodiorite late felsic quartz porphyry to dark-green andesite.

Several gossanous zones are found on the property. Silica and quartz-sericite-pyrite alteration associated with intrusions host mainly pyrite with occasional occurrences of pyrrhotite, magnetite, sphalerite, and chalcopyrite mineralization. Galena and chalcopyrite mineralization were also observed in narrow quartz-chlorite veins within a granodiorite stock.

Results from the 2019 field program returned anomalous Ag-Cu-Pb-Zn with weak to moderately elevated Au values. A majority of the anomalous samples were hosted in bleached and silicified intrusive rocks with pyrite-pyrrhotite-sphalerite-chalcopyrite mineralization. The best assay results returned up to 333.0 g/t Ag, 0.943 g/t Au, 3.77% Cu, 2.06% Pb, and 1.83% Zn.

1.0 INTRODUCTION

The Stock Property is located approximately twenty-three kilometres north-northwest of Stewart, British Columbia (Figure 1). Stock is 100% owned by Scottie Resources Corp.

This report summarizes the results of the 2019 surface exploration program, consisting of prospecting and rock sampling. The program was carried out over four days from late-July to mid-August and the author is intimately familiar with the property and results.

2.0 PROPERTY DESCRIPTION AND LOCATION

The Stock property is 100% owned by Scottie Resources Corp. and consists of three mineral claims for a total of 2866.7 hectares. The property is centered at 56° 8' 27.5 N, 130° 7' 16.9" W, located approximately twenty-three kilometres north-northeast of the town of Stewart, British Columbia and five kilometres northwest of the Premier Mine. The property lies within the Skeena Mining Division and claim boundaries were obtained from government claim maps (Figure 2).

Expenditures related to the work described in this report have been applied as Exploration and Development Work to the claims, and filed as Statement of Work event number 5751479 with the BC Ministry of Energy and Mines.

Table 1: Stock property claims

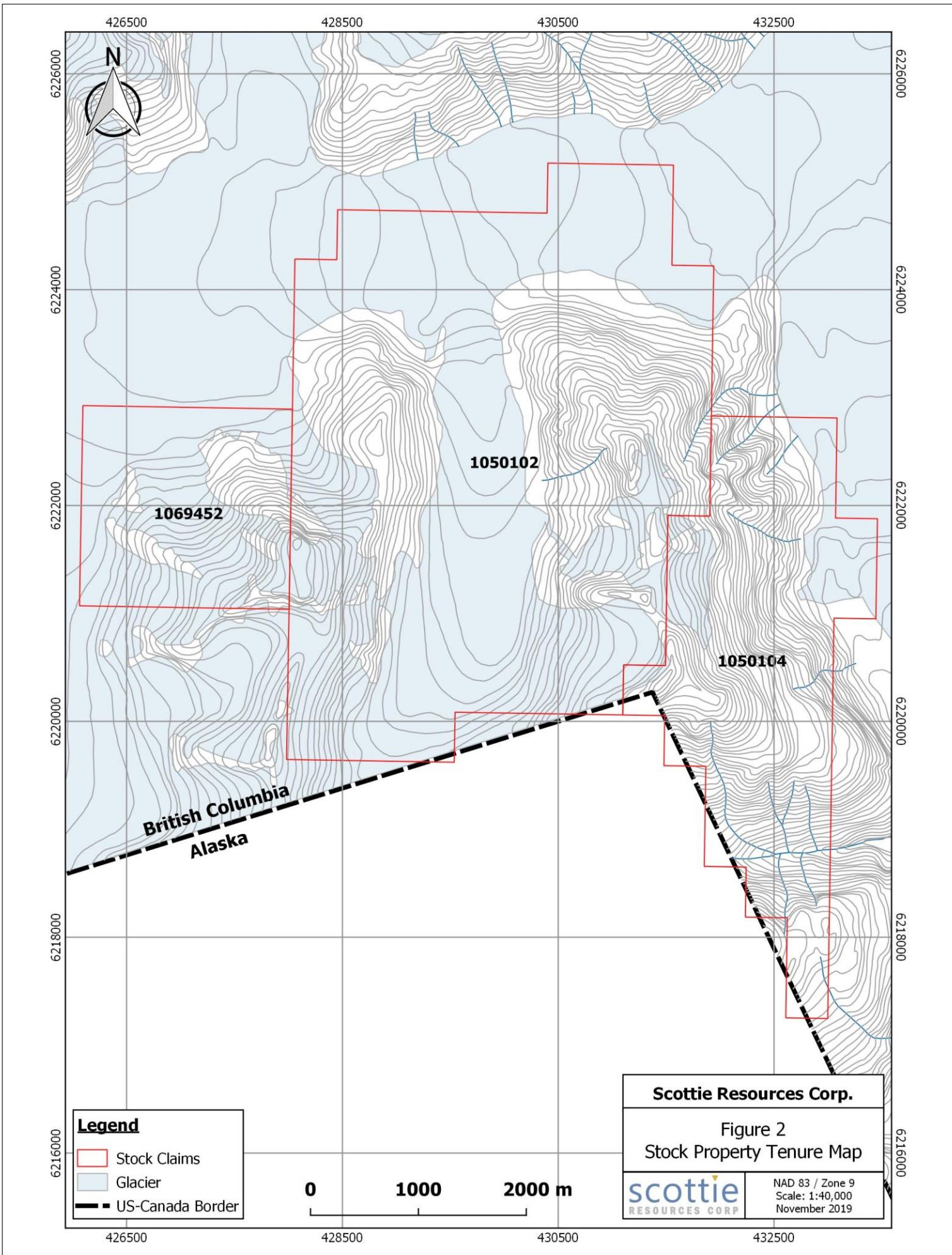
Title Number	Claim Name	Owner	Title Type	Title Sub Type	Issue Date	Good to Date	Status	Area (ha)
1050102	STOCK 2	245541 (100%)	Mineral	Claim	2017/Feb/17	2020/Nov/30	GOOD	1802.75
1050104	STOCK 3	245541 (100%)	Mineral	Claim	2017/Feb/17	2020/Nov/30	GOOD	703.36
1069452	ROPE BURN	245541 (100%)	Mineral	Claim	019/Jul/03	2020/Nov/30	GOOD	360.59

3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The Stock claims were originally accessed by horse trails from the town of Hyder, Alaska that ran up the Salmon River Valley and crossed the Salmon Glacier. Currently, the closest road to the property is the well-maintained Granduc Road that is located two kilometres east of the property across the Salmon Glacier. Access is now by helicopter from Stewart, BC or from a staging area just north of the Salmon Glacier viewpoint on the Granduc Road. The town of Stewart, population of approximately 500, provides a paved airstrip, an ice-free deep-water port, and basic amenities. The town of Smithers and city of Terrace are both approximately four hours by vehicle from Stewart and provide commercial airports with daily flights from Vancouver and most services required to support mineral exploration projects.



Figure 1: Property Location Map - Modified from Atlas of Canada



426500

428500

430500

432500

6226000

6224000

6222000

6220000

6218000

6216000

6226000

6224000

6222000

6220000

6218000

6216000



1050102

1069452

1050104

British Columbia
Alaska

Legend

- Stock Claims
- Glacier
- US-Canada Border

0 1000 2000 m

Scottie Resources Corp.

Figure 2
Stock Property Tenure Map

scottie
RESOURCES CORP.

NAD 83 / Zone 9
Scale: 1:40,000
November 2019

426500

428500

430500

432500

The property is located on the south side of the Salmon Glacier within the Boundary Ranges of the Coast Mountains. The southern portion of the property is situated along the United States – Canada border. Elevations on the property range from 700 to 2150 metres above sea level.

Topography ranges from heavily glaciated terrain where the claim boundaries on the north and east side of the property overlies the Salmon Glacier to gentle heather-covered alpine slopes to steep rocky terrain. The climate is classified as humid continental, with 1866 mm of precipitation per year and an average annual temperature of 6.1°C in Stewart. Field work can be carried out on the property from June to October.

4.0 HISTORY

4.1 Exploration History

Exploration began around Stewart in 1898 with the first arrival of prospectors exploring the area while passing through to join the Klondike gold rush. The earliest known workings proximal to the Stock Property is the past-producing Outland Silver Bar claims with reports of exploration dating back to 1921.

In 1979-1980, Outland Resources Corp. carried out a trenching, sampling, and geological mapping program on the Silver Bar Property. A total of 201 rock samples were collected from trenching of existing tunnels with grab samples returning up to 4.52 oz/t Ag and chip samples returning 2.09 oz/t over 4 metres. It appears as though a portion of the trenching and geological mapping may lie within the Stock property, however most of the work completed was outside of the current claim boundaries (DeLeen, 1980).

In 2005, Rick Kasum carried out a series of prospecting traverses on the Outland Silver Property which partially covered the eastern edge of the Stock property adjacent to the receding Salmon Glacier. The only two areas of mineralization noted were outside of the current claim boundaries (Stevens, 2006).

In the winter of 2018, Jaxon Mining Inc. collected four rock samples and two stream sediment samples on the Stock property. One sample from a gossanous diorite to granodiorite outcrop protruding from the snow returned 1.04 g/t Au (Strickland, 2018).

4.2 2019 Exploration Program

The 2019 exploration program at Stock was carried out over four days from late-July to mid-August. The property was accessed daily by helicopter from a staging area on the Granduc Road just north of the Salmon Glacier viewpoint. The focus of the program was prospecting of recently exposed outcrops around glacial ablation zones and steep areas that have likely never been assessed. Mountaineering equipment accompanied by a mountain guide certified by the Association of Canadian Mountain Guides was used to safely access steep, precipitous portions of the property.

A total of 40 rock samples were collected (Figure 5). Sample sites were marked with orange or pink flagging tape and metallic tags etched with the sample number. Locations and observations were recorded in a tablet with a built-in GPS unit.

All samples were sent to be analyzed at ALS Minerals in Vancouver after being prepped at the ALS prep lab in Terrace, BC. Rock samples underwent standard crushing and pulverizing to prepare the sample for analysis. Samples were analyzed for gold via fire assay fusion with an atomic absorption spectroscopy finish and a multi-element suite of 41 elements via aqua regia digestion followed by inductively coupled plasma-atomic emission spectrometry analysis. Where metal values exceeded the upper detection limits, the appropriate over-limit ore grade analysis was run.

5.0 REGIONAL GEOLOGY AND MINERALIZATION

5.1 Regional Geology

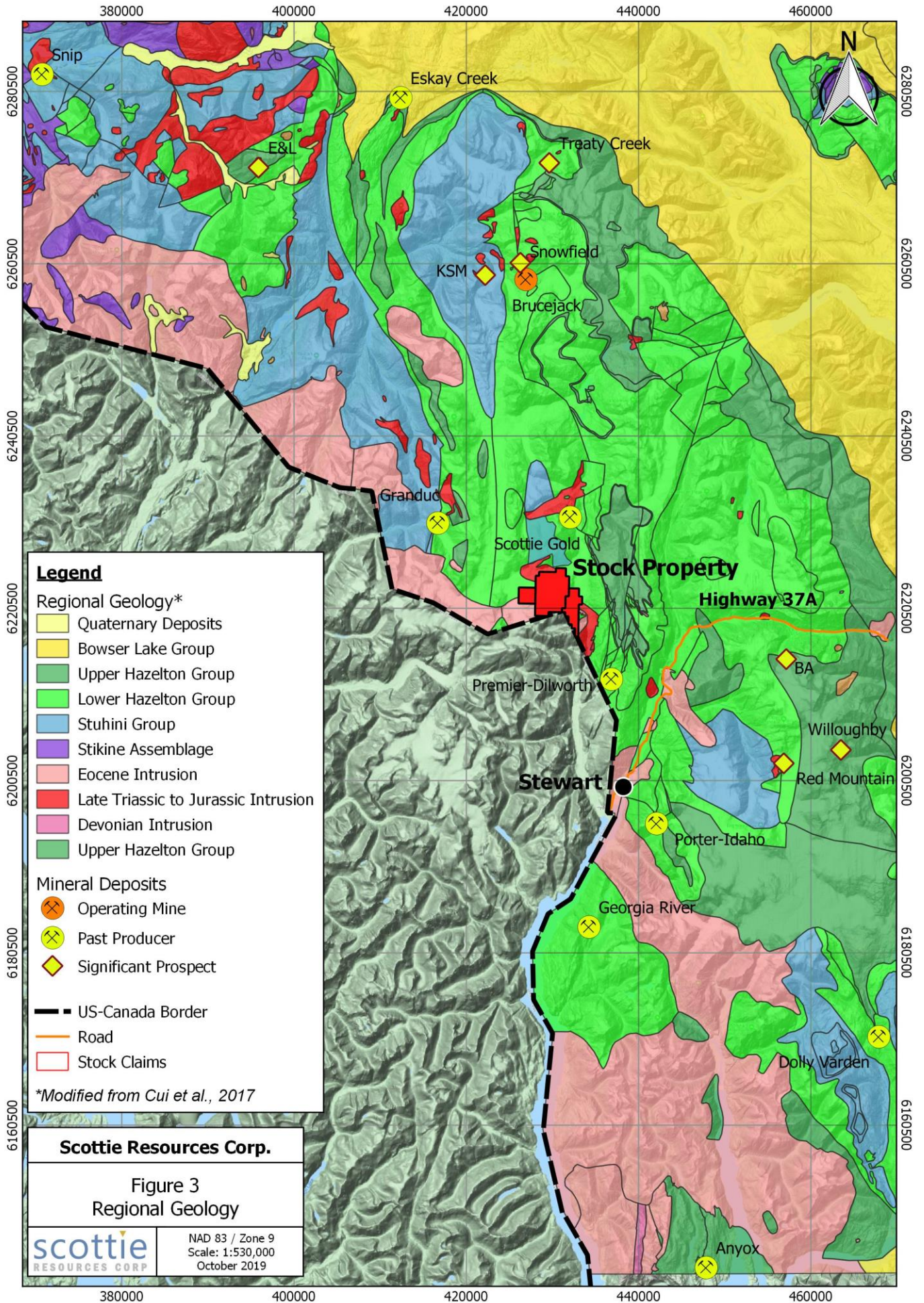
The following is summarized from Nelson et. al (2018) and outlines the geology of the Stewart - McTagg - Snip map area:

The Stewart region is underlain by rocks of the Stikine volcanic island-arc terrane, situated within the Intermontane belt at the eastern edge of the Coast Plutonic Complex. The Stikine represents a multistage arc terrane developed in an intraoceanic setting isolated from the North American Margin, and is composed of three unconformably bounded successions: the Stikine Assemblage, the Stuhini Group, and the Hazelton Group. Upper Triassic sedimentary strata of the Stuhini Group, upper-most Triassic to Lower Jurassic volcano-sedimentary units of the Hazelton Group, and Upper Jurassic to Lower Cretaceous sedimentary units of the Bowser Lake Group are present in the region. Intruding these groups are Jurassic to Eocene intrusions of the Texas Plutonic Suite and Coast Plutonic Complex.

The Stuhini Group (Middle to Upper Triassic) is regionally comprised of augite-phyric volcanic and volcanoclastic rocks, sedimentary rocks, and minor felsic volcanic rocks (Cutts et al., 2015). In the Stewart area, common lithologies consist of dark grey, laminated to thickly bedded, silty mudstone and fine- to medium-grained to locally coarse-grained sandstone. Less abundant lithologies include heterolithic pebble to cobble conglomerate, massive tuffaceous mudstone and thick-bedded sedimentary breccia and conglomerate.

A regional unconformity, marking a period of tectonic quiescence, forms the boundary between the Stuhini Group and Hazelton Group. The lower Hazelton Group, divided into the Jack and Betty Creek Formations, consists of volcanic and sedimentary rocks related to volcanism generated by the subduction of two opposing oceanic plates. At the base of the Hazelton Group, Jack Formation (latest Triassic to early Jurassic) is discontinuously found in the region and is composed of conglomerate, sandstone, and siltstone with limey interbeds. This siliciclastic unit represents a significant break from Stuhini Group volcanic and volcanoclastic accumulation. Within this formation is the informal Snippaker Unit, a dull green greywacke with pebbles of hypabyssal diorite that increase up-section.

Overlying the Jack Formation, is the Betty Creek Formation (Lower Jurassic), consisting of the Unuk River andesite unit, Johnny Mountain dacite unit and Brucejack Lake felsic unit. The Unuk River andesite unit consists of subaerial and epiclastic deposits with a paraconformable to unconformable contact with the underlying Jack Formation. The Johnny Mountain dacite unit is a succession of bedded dacite lapilli tuff and breccia and in some areas unconformably overlies the Stuhini Group. The Brucejack Lake felsic



unit overlies the Unuk River andesite unit and includes potassium feldspar-, plagioclase-, and hornblende-phyric flows, breccias, and bedded welded to non-welded felsic tuffs.

The upper Hazelton Group represents a period of arc demise, regional subsidence, and local development of the Eskay Rift. The Spatsizi Formation is the regional basal unit of the Upper Hazelton and is comprised of a siliclastic sequence of shale, siltstone, and sandstone with minor volcanic components.

The Iskut River Formation is a several kilometre- thick succession and occupies the Eskay rift, a narrow, elongate north-trending belt extending from Kinaskan Lake in the north to Anyox in the south, running west of the Salmon River Valley and town of Stewart. It comprises a highly variable succession of mafic and felsic volcanic and sedimentary units that is subdivided into the Willow Ridge mafic unit, Bruce Glacier felsic unit, Eskay Rhyolite Member, and Mount Madge sedimentary unit.

Outside of the Eskay Rift, the Mount Dilworth Formation overlies the Spatsizi Formation, and is a felsic unit distinguished by its tabular geometry, regional extent, and lack of interfingering with mafic units. The uppermost unit in the Hazelton Group is the Quock Formation and is informally known as the 'pyjama beds' unit. This aerially extensive layer is comprised of a 50-100 m thick sequence of thinly bedded, dark grey siliceous argillite with pale felsic tuff laminae.

Overlying the Hazelton Group is the Upper Jurassic to Middle Cretaceous Bowser Lake Group. Occupying a large area of the central Stikine, it is comprised of marine to non-marine sedimentary rocks, with the most widely occurring lithologies including sandstone and siltstone with lesser abundances of conglomerate.

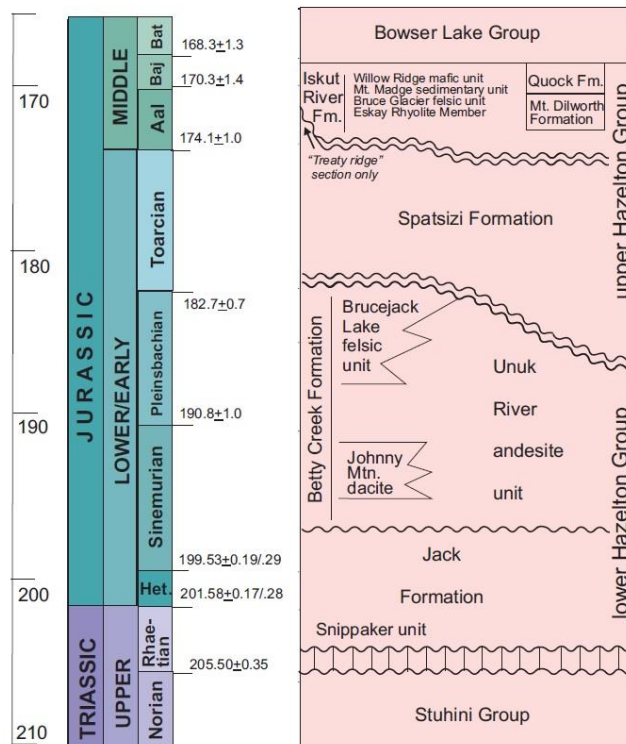


Figure 4 – Stratigraphic column for the Stewart – McTagg – Snip area. Modified from Nelson et. al (2018)

Several late Triassic to Early Tertiary intrusions exist in the region. Late Triassic to Early Jurassic plutons are coeval and cogenetic with lower Hazelton volcanism and include the Tatogga suite, Texas Creek Suite, and Brucejack Lake Suite. The Texas Creek Suite, comprising of diorite, monzonite, and syenite porphyry intrusions, is the most widespread in the Stewart area and interpreted to be the subvolcanic equivalent of the Betty Creek Formation.

Early to Middle Eocene intrusions of the Hyder Plutonic Suite are found in the Stewart area and are associated with the northwest trending Lower Cretaceous to Eocene Coast Plutonic Complex that lies on the western edge of the Stikine Terrane. In comparison to Early Jurassic intrusions, the calc-alkaline granite to tonalite to quartz monzonite plutons of the Hyder Plutonic Suite are biotite rich, more siliceous, and less altered. An extensive array of Tertiary granodiorite porphyry, aplite, microdiorite, and lamprophyre dykes and dyke swarms are hosted in the region (Alldrick, 1993).

During the Late Triassic to Early Jurassic, intense ductile deformation occurred in Stuhini Group rocks. This was followed by the Late Jurassic to Late Cretaceous development of Skeena Fold and Thrust Belt. During this period, east-west crustal shortening from collision of the Stikine terrane with the western margin of North America produced north-northwest trending folds and development of a penetrative cleavage, affecting Stuhini Group to Bowser Lake Group rocks. Rocks in the area were subjected to lower greenschist facies regional metamorphism during this time (Febbo et. al, 2019; Alldrick, 1993). Sinistral shearing was active in the Coast Plutonic Complex between 110Ma – 87 Ma (Febbo et. al, 2019).

Faults are abundant at both local and regional scales in the Stewart area. Alldrick (1993) described five major groups: (1) regional-scale north-striking, subvertical, ductile to brittle faults, (2) northerly-striking moderately west-dipping normal and reverse faults, (3) southeast to northeast striking brittle, subvertical "cross" faults with strong but narrow foliation envelopes and up to a kilometre of lateral offset, (4) decollement surfaces or bedding plane slips near the base of the Upper Hazelton Group, and (5) mylonite bands at various orientations and up to a few metres wide at most.

5.2 Regional Mineralization

The Stewart region hosts numerous precious and base metal deposits in a variety of geological settings. Currently in production is the low-sulphidation epithermal Brucejack Mine, approximately 30 kilometres to the north. Past-producing mines such as Anyox, Eskay Snip, Scottie Gold, Granduc, and Premier-Big Missouri are all within 80 kilometres of the property (Table 2). In addition, several ore reserves have been calculated on a number of properties such as Kerr-Sulphurets-Mitchell, Snowfield, and the Red Mountain (Table 3).

In the immediate vicinity of the Stock property, the Outland Silver Bar produced 3328 grams of silver, 13 kilograms of copper, and 507 kilograms of lead from 4 tonnes of ore from 1926 to 1929 (Minfile, 1988).

Table 2: Significant Past-producers in the Stewart Region (Minfile)

Mine	Deposit Type	Production			Average Grade		
		Au (Moz)	Ag (Moz)	Cu (tonnes)	Au (g/t)	Ag (g/t)	Cu (%)
Eskay Creek	VMS	3.3	160		51.4	2267	
Granduc	Beshi-type VMS	0.07	4.4	190143	0.13	8	1.23
Anyox	VMS	0.14	8	340000	0.17	12.4	1.4
Snip	Shear-hosted veins	1.13	0.43	249	26.7	10.15	0.02
Premier-Dilworth	Epithermal	2.26	50.1		10.6	227	
Scottie Gold	Shear-hosted veins	0.095	0.057		16.2	0.01	

Table 3: Significant Resources in the Stewart Region

Deposit	Type	Resource ¹	Tonnage (Mt)	Au (g/t)	Ag (g/t)	Cu (%)	Mo (ppn)	Reference
KSM ²	Au-Cu porphyry	P&P	2198	0.55	2.6	0.21	42.6	Seabridge, 2019
Snowfield ³	Porphyry	M&I	1370	0.59	1.72	0.1	85.5	Pretivm, 2011
Bronson Slope	Porphyry	M&I	187	0.36	2.19	0.12		Seabridge, 2019
Brucejack	LS Epithermal	P&P	16	12.6	59.3			Pretivm, 2019
Premier-Dilworth	Epithermal	I	93.5	0.82	6.9			Rennie and Simpson, 2018
Red Mountain	Intrusion Related	M&I	2.8	7.9	22.8			Arseneau and Hamilton, 2018
Eskay Creek	VMS	I	13.5	4.6	118			Skeena, 2015
Granduc	Beshi-type VMS	M&I	11.3	0.17	12.4	1.47		Morrison et al, 2013
Dolly Varden	VMS	I	3.1		322			Higgs and Giroux, 2015

1. P&P – Probable and Proven, M – Measured, I – Indicated

2. Kerr-Sulphurets-Mitchell

3. Includes 0.51 ppm RE

6.0 PROPERTY GEOLOGY AND MINERALIZATION

The Stock property is mostly underlain by volcanics and sedimentary rocks of the Unuk River andesite unit of the Lower Hazelton Group. The northern half of the property is primarily thinly bedded siltstone and mudstone. Intermediate volcanoclastics dominate the southern half of the property with thinly bedded tuffs to more massive ash-lapilli tuff. Bedding generally trends northeast and dips steeply to the southeast. Several intrusions are present on the property. Light grey, massive, equigranular to porphyritic, diorite to granodiorite stocks were observed intruding stratified rocks. The granodiorite is biotite-rich with several occurrences of garnets observed. These intrusions have been regionally mapped as Jurassic in age, belonging to the Texas Creek Plutonic Suite. A series of Tertiary dykes, with at least five generations observed, are part of the regionally termed Portland Canal Dyke Swarm (Strickland, 2018). Dykes are generally porphyritic and range in composition from diorite to granodiorite late felsic quartz porphyry to dark-green andesite.

The stratified rocks on the property are foliated and were folded in a single event. Some minor folds, with the foliation fanning about the hinge or sub-parallel to the axial plane, are locally developed. The strike of the foliation averages east-northeast. The axes of minor folds are consistently west-southwesterly trending with moderate plunge. The major structure of the area is a large east-west trending syncline, based on a change in bedding attitude, tops direction, and symmetry of minor folds. Major faults in the area trend northeast and have a small breccia zone along fault trace.

Several gossanous zones are found on the property. Silica and quartz-sericite-pyrite alteration associated with intrusions host mainly pyrite with occasional occurrences of pyrrhotite, magnetite, sphalerite, and chalcopyrite mineralization. Galena and chalcopyrite mineralization were also observed in narrow quartz-chlorite veins within a granodiorite stock.

7.0 RESULTS

Table 4 highlights significant rock samples from the 2019 field season. Rock geochemical results for Ag, Au, Cu, Pb, and Zn are plotted on Figures 6a-e. Rock sample descriptions can be found in Appendix C.

Results from the 2019 field program returned anomalous Ag-Cu-Pb-Zn with weak to moderately elevated Au values. A majority of the anomalous samples were hosted in gossanous intrusive rocks located within a steep east-facing rocky drainage above the Salmon Glacier. Samples Y610844-Y610847 were collected from float on a bench at the toe of a small glacier. In this area, abundant sub-angular to sub-rounded float with semi-massive pyrite-pyrrhotite-sphalerite-chalcopyrite was observed. Of the float that was sampled, assays returned anomalous Ag-Cu-Au. Rope-access was used to thoroughly inspect the terrain above the bench, however its source was not found. Several hundred metres downslope and to the east of the mineralized float, silicified and bleached mafic to felsic intrusives (Y610848-Y610851) hosting pyrite +/- pyrrhotite, chalcopyrite returned anomalous Ag-Pb-Zn-Au.

Samples Y610050, Y610770, Y611021, and Y611028 produced isolated Ag anomalies on different portions of the property, all of which were also collected from altered granodiorite apart from Y610770, which was collected from a small Fe-oxidized zone within intermediate volcanics.

Table 4: Significant 2019 Rock Samples

Sample Number	Sample Material	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)
Y610844	Semi-massive sulphide float	5.5	2230	21	177	0.017
Y610846	Float with 10% sulphides + quartz	333.0	37700	847	883	0.943
Y610847	Semi-massive sulphide float	38.4	11550	41	855	0.227
Y610848	Gossanous granodiorite	305.0	533	14050	5180	0.158
Y610849	Bleached and silicified granodiorite	146.0	302	20600	8060	0.243
Y610850	Bleached and silicified granodiorite	12.8	248	165	5380	0.092
Y610851	Gossanous mafic intrusive	79.5	365	11700	9550	0.07
Y610650	Py-gn vein in granodiorite	39.0	1250	4490	2010	0.135
Y610770	Gossanous int volc with 5-10% py	20.5	1590	169	358	0.053
Y611021	Po-py-sph mineralization in felsic intrusion	17.8	472	6500	18250	0.272
Y611028	Po-py-cpy mineralization in felsic intrusion	11.6	569	71	1020	0.029

8.0 RECOMMENDATIONS

The Stock property remains to be a relatively underexplored area within a region with abundant known mineral occurrences. With geochemical results from the 2019 field program returning anomalous economic elements, further work is recommended.

Follow-up work is warranted for finding the source of float samples Y610844-Y610847. It is recommended that the granodiorite outcrops to the north be investigated as valley glaciers may have played a role in transporting the mineralized float.

It is recommended that a reconnaissance traverse be completed on the northeastern corner of the property to determine if any mineralized trenches and tunnels exist within the claim boundaries.

The area around sample S18-04 that returned 1.04 g/t Au during the 2018 field program should be thoroughly investigated.

Further prospecting is recommended around recently exposed outcrop in areas of glacial retreat that were not investigated in the 2019 field program.

Appendix A: References

Alldrick, D.J., 1993. Geology and Metallogeny of the Stewart Mining Camp, Northwestern British Columbia. British Columbia Geological Survey Bulletin 85.

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Appendix B: Statement of Expenditures

Exploration Work Type	Comment	Days			Totals
Personnel (Name) / Position	Field Days	Days	Rate	Subtotal*	
Ben Stanley - Geologist	Aug 6, 12, 13	3	\$500.00	\$1,500.00	
Drew Dochstader - Field Assistant	Aug 6, 12, 13	3	\$300.00	\$900.00	
Thomas Mumford - Geologist	July 23, August 13	2	\$750.00	\$1,500.00	
Klemen Mali - Mountain Guide	July 23	1	\$550.00	\$550.00	
Conny Amelunxen - Mountain Guide	August 12, 13	2	\$850.00	\$1,700.00	
Daniel Guestrin - Rope Access Geologist	August 12, 13	2	\$875.00	\$1,750.00	
				\$7,900.00	\$7,900.00
Office Studies	List Personnel				
Report Preparation	Daniel Guestrin	5	\$450.00	\$2,250.00	
				\$2,250.00	\$2,250.00
Geological Mapping and Sampling		No.	Rate	Subtotal*	
Rock Samples	ALS Lab - 41 Element	39	\$38.66	\$1,507.74	
				\$1,507.74	\$1,507.74
Transportation		No.	Rate	Subtotal*	
Truck Rentals	1 truck, 3 days	4	\$86.00	\$344.00	
Helicopter (hours)	Bell 206	1	\$1,300.00	\$1,300.00	
	Astar	4	\$2,000.00	\$8,000.00	
Fuel for Truck				\$150.00	
Airfare (Vancouver to Smithers)	split with other projects			\$1,000.00	
				\$10,794.00	\$10,794.00
Accommodation and Food	Rates (man days)	No.	Rate	Subtotal*	
Camp costs		13	\$150.00	\$1,950.00	
				\$1,950.00	\$1,950.00
Miscellaneous	Rates	No.	Rate	Subtotal*	
Satellite Phone	# units * # days	4	\$10.00	\$40.00	
Field Supplies/Safety Equipment		1	\$250.00	\$250.00	
Shipping		1	\$100.00	\$100.00	
Radios	# units * # days	13	\$5.00	\$65.00	
Climbing Equipment Rental	# days	3	\$50.00	\$150.00	
				\$605.00	\$605.00
Total Expenditures					\$25,006.74
Administration 10%					\$2,500.67
<u>Grand Total</u>					\$27,507.41

Appendix C: Rock Sample Descriptions

Texture Abbreviations

abx	autobreccia	Dk	Dike	Lam	Laminated	sstk	Stockwork
amy	Amygdaloidal	Dr	Drusy	Lpt	Lapilli tuff	Sw	swarm
aph	Aphanitic	Eq	Equigranular	M	Massive	Un	undulatory
bd	Bedded/banded	Fb	Flow banded	Msp	Matrix supported	Vcl	Volcaniclastic
bu	Budinaged	Fbx	Flow breccia	Ool	Oolitic	Vg	Vuggy
bx	Brecciated	Frag	Fragmental	Plw	Pillowed	Vlt	Veinlets
cl	Cusplate-lobate	Frc	Fracture controlled	Por	Porphyritic	Vsc	Vesicular
clv	Cleavage	Fs	Fossiliferous	Qtze	Qtz eyes	Wrc	Contains wall rocks
crn	Crenulated	Fz	Fault zone	Shr	Sheared	Ws	Well sorted
co	Colloform	Gbd	Graded bedding	Sht	Sheeted	Xbd	Cross-bedded
cr	Crustiform banding	lbd	Interbedded	ss	Soft sed struct	Xnl	Xenoliths
csp	clast supported	Ineq	inequigranular			xph	Multi-phase
dis	disarticulated						

Mineralization and Alteration Abbreviations

a	aggregates	pchy	patchy	1	trace
b	banded	rc	clast replacement	2	weak
bl	blebs	rm	mottled replacement	3	wk-mod
blv	blebs in vein	rmx	matrix replacement	4	moderate
by	blotchy	rp	pervasive replacement	5	mod-str
c	clots	rv	vein associated replacement	6	strong
cl	clot	rx	phenocryst replacement	1	trace
d	disseminated	str	stringers	2	<0.5%
dn	dendritic	v	lining/filling vugs	3	0.5-2%
f	fracture coating/controlled	vb	banded in veins	4	2-5%
l	acid-leached	vd	disseminated in veins	5	5-10%
os	open space crystallization	vs	vein selvages	6	10-20%
				7	>20%

Sample #	Easting	Northing	Sample Type	Length (m)	Source	Sampled By	Date	Lith	Texture	Alt 1	Alt 1 Intensity	Alt 1 Form	Alt 2	Alt 2 Intensity	Alt 2 Form
Y610844	431893	6220981	Float	0	Float	TMumford	23-Jul-19	Mafic Volcanic	m	ser-sil-py	3	Rp			
Y610845	431891	6220989	Float	0	Float	TMumford	23-Jul-19	Mafic Volcanic	m	ser-sil-py	3	Rp	carb	2	Pchy
Y610846	432025	6221058	Float	0	Float	TMumford	23-Jul-19	Mafic Intrusion	eq	ser-sil-py	3				
Y610847	432068	6221386	Float	0	Float	TMumford	23-Jul-19	Mafic Intrusion	eq	hem	4	Rp			
Y610848	432199	6220973	Grab	0	Outcrop	TMumford	23-Jul-19	Mafic Intrusion	m	ser-sil-py	5	Rp	hem	4	Pchy
Y610849	432252	6221014	Grab	0	Outcrop	TMumford	23-Jul-19	Mafic Intrusion	m	ser-sil-py	3	Rp	hem	3	Pchy
Y610850	432284	6221004	Grab	0	Outcrop	TMumford	23-Jul-19	Mafic Intrusion	frag	ser-sil-py	6	Rp			
Y610851	432298	6221002	Grab	0	Outcrop	TMumford	23-Jul-19	Mafic Dyke	m	hem	4	Pchy			
Y611003	427614	6222072	Grab	0.15	Outcrop	BStanley	08-Aug-19		lam	sil	1	V			
Y610650	431411	6221570	Grab	0	Outcrop	Dgustrin	13-Aug-19	Felsic Intrusion	eq						
Y610651	431192	6222587	Grab	0	Outcrop	Dgustrin	13-Aug-19	Intermediate Volcanic		sil	3	Pchy			
Y610765	431592	6220802	Grab	0	Outcrop	Dgustrin	12-Aug-19	Intermediate Volcanic		ser	2	Rp			
Y610766	431504	6220847	Grab	0	Outcrop	DGustrin	12-Aug-19	Sandstone		chl	3	Rmx			
Y610767	431458	6220894	Grab	0	Outcrop	Dgustrin	12-Aug-19	Sandstone							
Y610768	431525	6220802	Grab	0	Outcrop	DGustrin	12-Aug-19	Mudstone							
Y610769	431558	6220795	Grab	0	Outcrop	Dgustrin	12-Aug-19	Intermediate Volcanic		sil	4	Rp			
Y610770	431556	6220669	Grab	0	Outcrop	DGustrin	12-Aug-19	Intermediate Volcanic		sil	4	Rp			
Y610771	431566	6220531	Grab	0	Outcrop	Dgustrin	12-Aug-19	Intermediate Volcanic							
Y610856	431498	6220914	Grab	0	Outcrop	TMumford	13-Aug-19	Intermediate Intrusion	eq	hem	3	Rp			
Y610857	431085	6221160	Grab	0	Outcrop	TMumford	13-Aug-19	Intermediate Intrusion	m	sil	4	Rp	hem	2	Pchy

Min 1	Min 1 Intensity	Min 1 Form	Min 2	Min 2 Intensity	Min 2 Form	Min 3	Min 3 Intensity	Min 3 Form	Description	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)
po	5	A	py	4	D	sph	2	A	Angular float piece, toaster sized - with other similar pieces around. Semi-massive sulphide, with pyrr + py + qtz, possible sphalerite. Gossanous areas above glacier could be source	5.50	2230	21	177	0.017
po	5	A	sph	4	A	py	3	D	Torso sized boulder, angular similar to prev sample but more sphalerite	2.80	758	47	130	0.014
py	4	D	cpy	2	D				Fist sized float, high 10+ % sulphides + qtz	333.00	37700	847	883	0.943
po	5	A	py	5	D	cpy	3	A	Cat sized boulder, one of many in area, directly below gossanous cliff, 20-30%+ sulphides	38.40	11550	41	855	0.227
py	5	D							Gossanous granodiorite, diss py rich	305.00	533	14050	5180	0.158
py	4	Rp							Sample of gossanous zone, 5-10% py, silicified and bleached	146.00	302	20600	8060	0.243
py	5	D							Bleached and silicified granodiorite with 5-10% py	12.80	248	165	5380	0.092
po	4	D	py	4	D	sph	4	V	At the heart of the rusty stain on the wall is this sampled unit- Fg dark grey mafic intrusive, well mineralized with 10-15 (possibly more, py+pyrr+sph+/- cpy	79.50	365	11700	9550	0.07
po	3	D	po	1	F				Tuff	0.90	233	33	76	0.005
py	3	D	gn	3	D				Sampled granodiorite with quartz vein in sample. Irregular quartz vein more or less following a weak foliation in intrusive. Vein hosts py gn mineralization with disseminated py in host rock. Veining is sporadic in area. Proximal to sample abundant ep and garnets observed.	39.00	1250	4490	2010	0.135
py	4	D							Sampled int volcanics - sequence of bedded mud to siltstones to int ash tuff with subangular to rounded clasts in vfg matrix. Py appears as fine disseminated. Sample from dark purple oxidized area. Gossans are patchy in area.	0.70	245	9	29	0.165
po	3	D	py	4	D				Green non-descript int volc. Sample from one of many patchy gossans beneath small pocket glacier.	2.60	680	261	445	0.014
py	4	D							Fg well sorted sandstone with chloritic mafic grains. Py appears as fine disseminated. Abundant gossans in area but only py mineralization observed.	3.10	711	48	78	0.126
mag	6	D	py	3	D				Sampled bedded siltstone-sandstone with patchy gossans. Sample at this location contains very finely disseminated magnetite. Very magnetic but difficult to determine percentage due to fine grained nature. Outcrop in contact with int dyke of Portland canal dyke swarm	1.00	353	43	202	0.005
py	3	D	po	3	D	cpy	3	D	From 1m wide foliated structure on top of gully on ridge top, sampled a purple oxidized zone with fg py po cpy mineralization. Lineations observed in siltstone unit outside of oxidation.	1.00	439	21	119	0.016
mag	5	D	py	3	D	cpy	3	D	Sample of reworked int tuff proximal to 30cm wide east west shear with very finely disseminated mag mineralization	0.90	420	20	88	0.005
py	5	D							3x2m oxidized zone hosting py mineralization.	20.50	1590	169	358	0.053
mag	7	D							10cm wide semi massive sulphides structure hosted in green and grey mottled int volc. Sulphides traced on surface for only 75 cm. Could not trace further. 30% mag in sample.	4.10	706	18	123	0.005
py	1								Mg, intrusive mixed with mafic volcanics	0.50	155	15	55	0.005
py	3	D	pyar	2	D				Gossanous mafic volcanics in proximity to Eocene int dykes	0.80	160	11	43	0.01

Sample #	Easting	Northing	Sample Type	Length (m)	Source	Sampled By	Date	Lith	Texture	Alt 1	Alt 1 Intensity	Alt 1 Form	Alt 2	Alt 2 Intensity	Alt 2 Form
Y610858	431200	6221165	Grab	0	Outcrop	TMumford	13-Aug-19	Intermediate Intrusion	shr	hem	2	Pchy	sil	2	Pchy
Y610859	431278	6221664	Grab	0	Outcrop	TMumford	13-Aug-19	Hydrothermal Replacement		carb	3				
Y610860	431104	6221867	Grab	0	Outcrop	TMumford	13-Aug-19	Mafic Volc	m	hem	3	Pchy			
Y610861	430987	6221902	Float	0	Outcrop	TMumford	13-Aug-19	Mafic Volc	m						
Y610862	430737	6222101	Grab	0	Outcrop	TMumford	13-Aug-19	Quartz Vein	frc	sil					
Y610863	430620	6221646	Float	0	Float	TMumford	13-Aug-19	Intermediate Intrusion	m						
Y610864	430417	6221676	Grab	0	Outcrop	TMumford	13-Aug-19	Quartz Vein	frc	sil	6	V	carb	4	V
Y610865	430327	6221658	Float	0	Float	TMumford	13-Aug-19	Mafic Volc							
Y610866	430215	6222050	Float	0	Float	TMumford	13-Aug-19	Intermediate Intrusion	m	hem	2				
Y611020	428023	6223357	Grab	0.2	Outcrop	BStanley	12-Aug-19		bd	sil	4	V			
Y611021	428098	6223332	Grab	0.1	Outcrop	BStanley	12-Aug-19		bd	ser-sil-py	2	Pchy			
Y611022	428827	6223243	Grab	0.15	Outcrop	BStanley	12-Aug-19	Mudstone	frc		4	D			
Y611023	428795	6223054	Grab	0.2	Outcrop	BStanley	12-Aug-19	Quartz-carb Vein	bx	carb	4	V	sil	3	V
Y611024	428831	6222082	Grab	0.2	Outcrop	BStanley	12-Aug-19		frc	ox	5	F			
Y611025	428811	6222030	Grab	0.15	Outcrop	BStanley	12-Aug-19		frc		5	D			
Y611026	432601	6219933	Grab	0.15	Outcrop	BStanley	13-Aug-19	Mudstone	frc	sil	2	V			
Y611027	432520	6219848	Grab	0.15	Outcrop	BStanley	13-Aug-19	Mudstone	frc	sil	2	D			
Y611028	432308	6219963	Grab	0.15	Outcrop	BStanley	13-Aug-19		frc	sil	3	Pchy			
Y611029	432171	6220254	Grab	0.15	Outcrop	BStanley	13-Aug-19		frc	sil	2	D			
Y611030	431785	6220335	Grab	0.2	Outcrop	BStanley	13-Aug-19			chl	4	D			
Y611031	431569	6220608	Grab	0.2	Outcrop	BStanley	13-Aug-19		frc	sil	3	V			

Min 1	Min 1 Intensity	Min 1 Form	Min 2	Min 2 Intensity	Min 2 Form	Min 3	Min 3 Intensity	Min 3 Form	Description	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)
gn	1	Pchy	py	2	D				Sheared contact between mafic volc (east) and intrusives (west), trace min in shear	0.30	28	2	35	0.005
									Skaryn peg with qtz + diopside + cal + py	0.70	158	6	49	0.005
py	3	Str	mag	1	D				Raft of mafic volc in intrusive, 5+ m wide	0.40	494	2	10	0.017
py	5	Str	mag	2	D				Py rich float, cm wide stringers, 5-10% py	1.70	388	8	27	0.085
									Massive qtz vein, sheared margins in mafic volcanics, >50 strike, width 0.3 - 1.2 m	0.20	9	2	18	0.005
py	3	D	cpy	1	D				Eqigranular, with disseminated py with possible cpy	0.70	30	7	48	0.01
									Qtz vein cut by later thin Fe-carb veins	0.20	5	16	39	0.005
py	4	Rp	pyar	4	Str				Float with semi massive to massive py + pyrr	3.80	1130	18	38	0.006
py	4	D							Abundant float in lobe of moraine has anomalous py	0.40	103	2	10	0.01
po	3	B							Fol bt fel intr.	0.50	69	13	118	0.088
po	2	Pchy	py	2		sph	1		Discontinuous sx bearing pods irregular primary magmatic like shape see photo.	17.80	472	6500	18250	0.272
po	2	D	py	1	F				Bt alt pervasive. Wacke like text. Pervasive gossan across hillside.	0.90	88	13	155	0.008
po	3	D	py	2	F				Discontinuous metre scale pods of sx and vn anastomosing through int vol host.	4.00	1000	27	89	0.023
py	3	F	po	1					Very strong gossanous outcrop 30m diameter. Fel intr.	0.40	45	6	21	0.025
po	3	D							Bt alt. Fel intr.	0.20	48	5	19	0.006
po	2	Pchy	py	1	F				West striking vertical anastomosing pinch and swell gossan.	1.60	268	31	95	0.011
po	2	D	py	1	F				Discontinuous gossan strike west up hill said. Patchy gossan up to 3m diameter.	2.00	446	48	127	0.012
po	3	D	cpy	2		py	1		Strong 40m striking no gossan hosted in fel intr	11.60	569	71	1020	0.029
py	2	F	po	2	D				40 m diameter gossan hosted in fel intr	5.10	528	17	37	0.011
mag	2	D	po	2	D	cpy	1		Photos of magmatic compositional layering. Primary sx and mag. Source to Danny's magnetite vns? Fg gnt dodec trc dis. Retrograde py phenos?	1.80	239	64	1960	0.013
po	2	D	py	1	F				West east gossan cutting ridge approx 50m strike patchy width up to 5m. Fel intr.	1.00	135	32	164	0.009

Appendix D: Rock Sample COAs



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 This copy reported on
 14-AUG-2019
 Account: SCORES

CERTIFICATE TR19188051

Project: SR-19-06

This report is for 97 Rock samples submitted to our lab in Terrace, BC, Canada on 31-JUL-2019.

The following have access to data associated with this certificate:

DANIEL GUESTRIN	THOMAS MUMFORD
-----------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Pb-OG46	Ore Grade Pb - Aqua Regia	
Zn-OG46	Ore Grade Zn - Aqua Regia	
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: SR-19-06

CERTIFICATE OF ANALYSIS TR19188051

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
Y610844		1.26	5.5	2.15	40	<10	40	<0.5	<2	0.51	<0.5	44	3	2230	32.1	10
Y610845		0.91	2.8	0.49	406	<10	<10	<0.5	<2	7.5	1.6	19	6	758	17.80	<10
Y610846		0.61	>100	0.78	478	<10	10	<0.5	1285	0.03	16.8	31	7	>10000	13.15	<10
Y610847		0.90	38.4	1.95	24	<10	20	<0.5	523	0.75	15.4	85	5	>10000	19.45	10
Y610848		0.97	>100	1.71	585	<10	60	<0.5	<2	0.18	79.5	4	8	533	6.55	<10
Y610849		0.75	>100	0.46	1690	<10	80	<0.5	2	0.15	120.0	2	2	302	7.25	<10
Y610850		0.76	12.8	0.66	5920	<10	80	<0.5	17	0.17	118.0	9	2	248	5.20	<10
Y610851		1.10	79.5	3.76	147	<10	120	0.8	15	0.23	129.0	7	2	365	12.50	10

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



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Project: SR-19-06

CERTIFICATE OF ANALYSIS TR19188051

Sample Description	Method Analyte Units LOD	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
Y610844		1	0.24	<10	0.81	804	4	0.08	3	140	21	9.09	9	2	19	<20
Y610845		<1	0.02	<10	0.17	1640	6	0.01	1	60	47	4.22	7	<1	11	<20
Y610846		<1	0.10	<10	0.25	276	56	<0.01	4	40	847	>10.0	13	1	2	<20
Y610847		<1	0.41	<10	0.41	424	12	0.15	3	300	41	>10.0	8	1	35	<20
Y610848		1	0.31	10	0.76	877	6	0.01	1	900	>10000	3.45	49	2	5	<20
Y610849		1	0.31	<10	0.08	114	8	0.01	1	920	>10000	7.23	46	1	3	<20
Y610850		<1	0.46	10	0.16	114	4	0.02	2	910	165	4.82	6	1	4	<20
Y610851		<1	0.41	10	2.15	2080	20	0.01	2	1020	10000	4.39	45	1	4	<20

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Project: SR-19-06

CERTIFICATE OF ANALYSIS TR19188051

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46	Pb-OG46	Zn-OG46	Au-AA23	Au-GRA21
	Analyte	Ti	Tl	U	V	W	Zn	Ag	Cu	Pb	Zn	Au	Au
Units		%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
LOD		0.01	10	10	1	10	2	1	0.001	0.001	0.001	0.005	0.05
[REDACTED]													
Y610844		0.02	<10	<10	17	70	177					0.017	
Y610845		<0.01	<10	<10	7	10	130					0.014	
Y610846		0.01	<10	<10	9	<10	883	333	3.77			0.943	
Y610847		0.04	<10	<10	24	10	855		1.155			0.227	
Y610848		0.06	<10	<10	30	20	5180	305		1.405		0.158	
Y610849		0.01	<10	<10	5	20	8060	146		2.06		0.243	
Y610850		0.02	<10	<10	5	20	5380					0.092	
Y610851		0.04	<10	<10	32	20	9550			1.170		0.070	
[REDACTED]													
[REDACTED]													

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CERTIFICATE TR19201186

Project: SR-19-09

This report is for 44 Rock samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2019.

The following have access to data associated with this certificate:

DANIEL GUESTRIN	THOMAS MUMFORD
-----------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Pb-OG46	Ore Grade Pb - Aqua Regia	
Zn-OG46	Ore Grade Zn - Aqua Regia	
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	

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

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Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: SR-19-09

CERTIFICATE OF ANALYSIS TR19201186

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
Y611003		1.03	0.9	2.05	2	<10	230	<0.5	<2	2.00	0.7	23	65	233	3.75	10

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CERTIFICATE TR19214506

Project: SR-19-10

This report is for 70 Rock samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2019.

The following have access to data associated with this certificate:

DANIEL GUESTRIN	THOMAS MUMFORD
-----------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Pb-OG46	Ore Grade Pb - Aqua Regia	
Zn-OG46	Ore Grade Zn - Aqua Regia	
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

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

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Signature: 
 Saa Traxler, General Manager, North Vancouver



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Project: SR-19-10

CERTIFICATE OF ANALYSIS TR19214506

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
Y610650		0.93	39.0	4.17	11	<10	60	1.4	<2	2.03	8.5	5	6	1250	3.01	10
Y610651		0.83	0.7	1.02	3	<10	60	<0.5	4	0.70	<0.5	15	6	245	6.45	10
Y611020		1.21	0.5	5.90	12	<10	140	1.2	<2	2.63	<0.5	11	11	69	5.32	10
Y611021		1.14	17.8	1.04	143	<10	40	<0.5	20	0.57	207	21	11	472	5.70	<10
Y611022		0.98	0.9	0.41	10	<10	40	<0.5	<2	0.59	1.6	11	27	88	1.63	<10
Y611023		1.50	4.0	1.19	66	<10	30	<0.5	2	3.65	0.5	122	6	1000	19.25	<10
Y611024		1.41	0.4	0.86	3	<10	60	<0.5	<2	0.55	<0.5	13	10	45	2.12	<10
Y611025		1.08	0.2	0.83	8	<10	60	<0.5	<2	0.71	<0.5	9	6	48	3.12	<10
Y611026		1.34	1.6	2.98	12	<10	180	0.8	<2	1.24	1.0	23	37	268	3.81	10
Y611027		1.33	2.0	3.43	9	<10	190	<0.5	3	1.30	0.7	14	6	446	5.14	10
Y611028		0.99	11.6	1.41	22	<10	20	<0.5	10	0.89	16.6	5	12	569	3.64	<10
Y611029		1.13	5.1	1.41	204	<10	120	<0.5	10	0.10	1.1	4	5	528	5.32	<10
Y611030		1.34	1.8	7.12	3	<10	570	0.9	3	3.58	37.5	24	59	239	4.87	10
Y611031		1.45	1.0	4.57	7	<10	310	0.5	<2	1.54	0.5	10	10	135	5.31	10
Y610765		0.65	2.6	1.63	6	<10	130	<0.5	2	1.24	5.8	30	4	680	4.66	10
Y610766		0.70	3.1	0.94	4	<10	10	<0.5	3	1.40	1.2	28	5	711	3.88	<10
Y610767		0.84	1.0	4.93	3	<10	200	<0.5	<2	1.50	0.9	23	24	353	8.40	10

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CERTIFICATE OF ANALYSIS	TR19214506
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Method Analyte Units LOD	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm
	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
Y610650	<1	0.32	<10	0.81	733	1	0.19	2	690	4490	0.56	36	4	158	<20
Y610651	<1	0.30	<10	0.60	301	6	0.08	7	2120	9	1.00	<2	3	73	<20
Y611020	<1	1.31	<10	1.12	1190	3	0.47	2	890	13	0.85	3	10	188	<20
Y611021	<1	0.10	<10	0.22	367	1	0.12	6	240	6500	3.84	3	2	34	<20
Y611022	<1	0.04	10	0.06	106	6	0.05	96	990	13	0.79	<2	1	21	<20
Y611023	<1	0.05	<10	0.73	781	1	0.03	65	1220	27	>10.0	4	4	131	<20
Y611024	<1	0.16	10	0.43	183	2	0.07	7	1000	6	1.54	<2	2	35	<20
Y611025	<1	0.14	10	0.36	167	4	0.06	2	1080	5	1.27	<2	2	33	<20
Y611026	<1	0.83	10	1.23	700	4	0.35	25	1130	31	1.35	<2	8	230	<20
Y611027	<1	0.78	10	0.92	1020	36	0.32	2	1030	48	1.40	<2	6	102	<20
Y611028	<1	0.07	<10	0.31	649	8	0.03	1	420	71	0.40	4	1	52	<20
Y611029	<1	0.34	10	0.57	295	3	0.02	1	980	17	1.02	<2	3	5	<20
Y611030	<1	0.74	<10	1.26	723	5	0.44	26	1800	64	0.39	2	7	915	<20
Y611031	<1	1.32	<10	1.21	940	2	0.47	3	880	32	0.82	<2	10	120	<20
Y610765	<1	0.15	10	1.09	607	1	0.12	9	2640	261	1.95	<2	5	59	<20
Y610766	<1	0.06	<10	0.30	337	5	0.06	13	2240	48	1.71	3	4	86	<20
Y610767	<1	0.47	10	3.36	1490	2	0.16	15	1940	43	0.59	<2	8	241	<20

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CERTIFICATE OF ANALYSIS TR19214506

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Pb-OG46	Zn-OG46	Au-AA23	Au-GRA21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Pb %	Zn %	Au ppm	Au ppm
		0.01	10	10	1	10	2	1	0.001	0.001	0.005	0.05
Y610650		0.10	<10	<10	43	20	2010				0.135	
Y610651		0.19	<10	<10	103	<10	29				0.165	
Y611020		0.20	<10	<10	95	<10	118				0.088	
Y611021		0.04	<10	<10	26	<10	>10000			1.825	0.272	
Y611022		0.08	<10	<10	23	<10	155				0.008	
Y611023		0.10	10	<10	72	<10	89				0.023	
Y611024		0.14	<10	<10	43	<10	21				0.025	
Y611025		0.14	<10	<10	35	<10	19				0.006	
Y611026		0.15	<10	<10	116	<10	95				0.011	
Y611027		0.14	<10	<10	74	<10	127				0.012	
Y611028		0.09	<10	<10	15	30	1020				0.029	
Y611029		0.06	<10	<10	37	<10	37				0.011	
Y611030		0.18	<10	<10	222	<10	1960				0.013	
Y611031		0.21	<10	<10	104	<10	164				0.009	
Y610765		0.20	<10	<10	129	<10	445				0.014	
Y610766		0.12	<10	<10	50	<10	78				0.126	
Y610767		0.13	<10	<10	185	<10	202				<0.005	

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CERTIFICATE OF ANALYSIS TR19214506

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
Y610768		0.96	1.0	4.31	2	<10	50	<0.5	5	1.42	<0.5	21	24	439	10.00	10
Y610769		0.73	0.9	2.13	3	<10	130	<0.5	5	1.25	0.5	17	11	420	5.78	10
Y610770		1.04	20.5	3.30	207	<10	20	<0.5	119	0.35	26.3	175	10	1590	24.1	10
Y610771		0.92	4.1	2.56	10	<10	60	<0.5	6	0.61	<0.5	1	20	706	29.1	10
Y610856		1.74	0.5	1.19	5	<10	30	<0.5	<2	1.66	0.6	16	19	155	2.43	<10
Y610857		0.99	0.8	2.18	5	<10	110	<0.5	2	1.88	0.5	21	16	160	3.90	10
Y610858		1.10	0.3	0.48	30	<10	130	<0.5	<2	0.11	<0.5	4	5	28	2.32	<10
Y610859		0.95	0.7	1.16	4	<10	<10	<0.5	<2	6.52	0.6	5	3	158	7.30	10
Y610860		0.95	0.4	1.51	6	<10	60	<0.5	<2	0.76	<0.5	36	25	494	9.42	<10
Y610861		1.58	1.7	0.66	24	<10	10	<0.5	<2	1.11	<0.5	83	56	388	6.52	<10
Y610862		0.72	<0.2	0.24	4	<10	<10	<0.5	<2	0.15	<0.5	2	14	9	0.44	<10
Y610863		1.13	0.7	1.22	3	<10	50	<0.5	<2	0.30	<0.5	13	9	30	3.95	10
Y610864		1.09	0.2	0.25	<2	<10	30	<0.5	<2	4.14	<0.5	2	5	5	1.67	<10
Y610865		1.02	3.8	0.75	7	<10	10	<0.5	<2	2.03	0.6	29	33	1130	12.90	<10
Y610866		1.08	0.4	1.03	3	<10	50	<0.5	<2	0.80	<0.5	12	3	103	4.65	<10

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CERTIFICATE OF ANALYSIS TR19214506

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
Y610768		<1	0.49	10	2.64	983	2	0.22	13	2450	21	3.53	<2	10	174	<20
Y610769		<1	0.24	10	0.98	659	1	0.15	10	2340	20	1.78	<2	9	123	<20
Y610770		<1	0.10	<10	1.68	900	1	0.03	21	1180	169	>10.0	<2	11	16	<20
Y610771		<1	0.13	<10	0.69	1130	<1	0.06	4	960	18	0.62	<2	5	48	<20
Y610856		<1	0.10	10	0.63	370	2	0.07	16	2250	15	0.61	2	3	87	<20
Y610857		<1	0.62	10	0.77	445	2	0.16	16	1820	11	1.29	<2	4	104	<20
Y610858		<1	0.08	<10	0.02	320	4	<0.01	<1	300	2	0.01	2	4	12	<20
Y610859		<1	<0.01	<10	0.35	2820	4	<0.01	1	80	6	2.23	4	1	78	<20
Y610860		<1	0.74	<10	0.84	186	3	0.10	24	2080	2	5.60	<2	17	41	<20
Y610861		<1	0.01	10	0.27	400	8	0.01	10	1150	8	5.67	<2	1	92	<20
Y610862		<1	0.01	<10	0.04	100	1	<0.01	<1	30	<2	0.02	<2	<1	13	<20
Y610863		<1	0.36	<10	0.94	647	3	0.06	<1	670	7	2.05	<2	6	12	<20
Y610864		<1	0.08	20	1.35	635	2	0.03	<1	60	16	0.04	<2	1	159	<20
Y610865		1	0.01	10	0.20	597	6	0.01	82	1850	18	6.06	4	1	125	<20
Y610866		<1	0.21	10	0.38	170	7	0.11	<1	1290	2	3.57	2	2	61	<20

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



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Page: 3 - C
 Total # Pages: 3 (A - C)
 Plus Appendix Pages
 Finalized Date: 1-OCT-2019
 Account: SCORES

Project: SR-19-10

CERTIFICATE OF ANALYSIS TR19214506

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Pb-OG46	Zn-OG46	Au-AA23	Au-GRA21
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Pb %	Zn %	Au ppm	Au ppm
		0.01	10	10	1	10	2	1	0.001	0.001	0.005	0.05
Y610768		0.22	<10	<10	215	10	119				0.016	
Y610769		0.19	<10	<10	150	<10	88				0.005	
Y610770		0.14	<10	<10	124	<10	358				0.053	
Y610771		0.07	<10	<10	91	<10	123				0.005	
Y610856		0.16	<10	<10	72	<10	55				<0.005	
Y610857		0.18	<10	<10	109	<10	43				0.010	
Y610858		<0.01	<10	<10	32	<10	35				<0.005	
Y610859		0.01	<10	<10	18	10	49				<0.005	
Y610860		0.14	<10	<10	178	<10	10				0.017	
Y610861		0.07	<10	10	153	<10	27				0.085	
Y610862		<0.01	<10	<10	4	<10	18				<0.005	
Y610863		0.10	<10	<10	48	<10	48				0.010	
Y610864		<0.01	<10	<10	15	<10	39				<0.005	
Y610865		0.04	<10	10	171	40	38				0.006	
Y610866		0.18	<10	<10	39	<10	10				0.010	

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

Appendix E: Certificate of Qualifications

GEOLOGIST'S CERTIFICATE
Daniel Guestrin
Squamish, British Columbia

I, Daniel Guestrin, do hereby certify that:

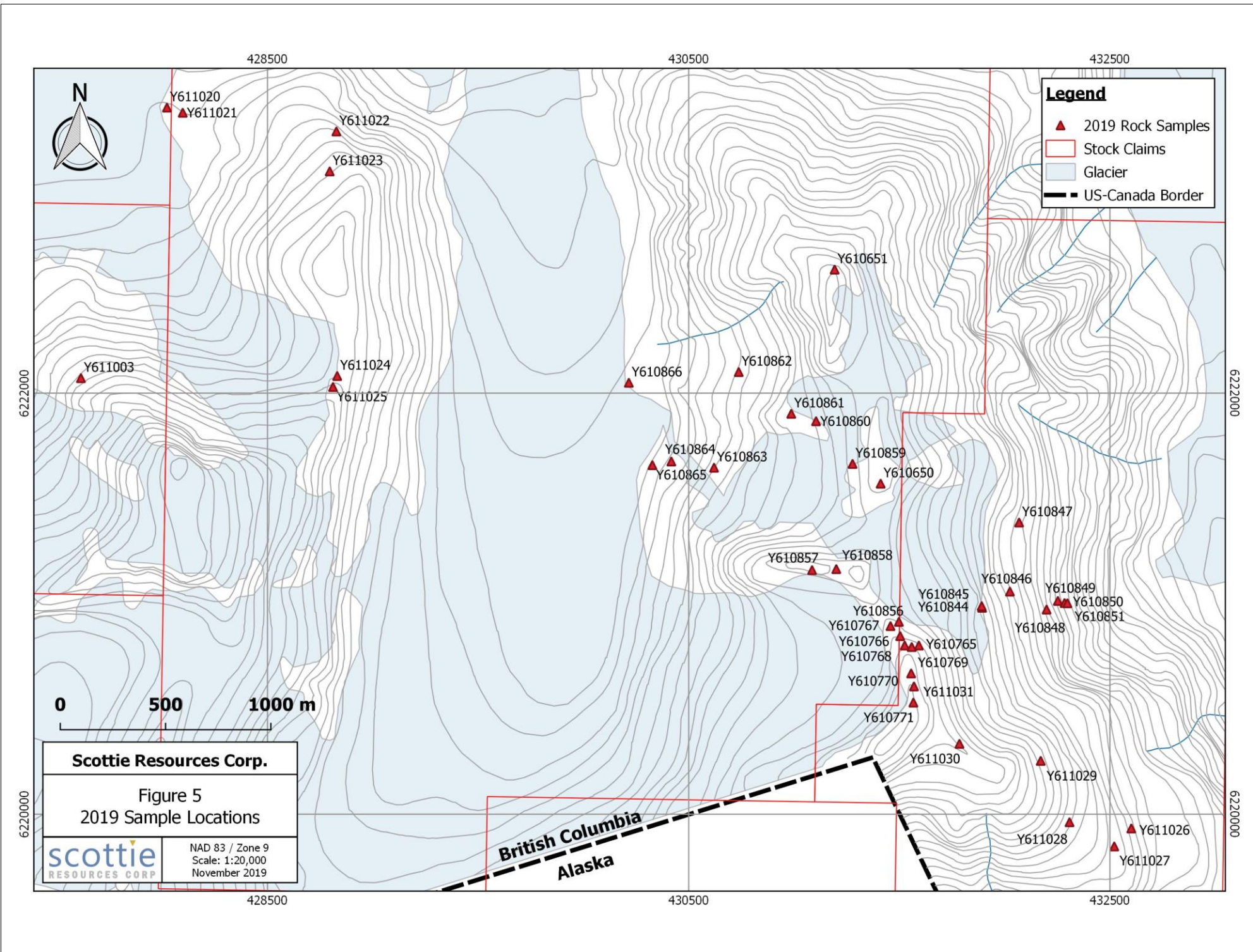
1. I am presently a contract Project Geologist with Scottie Resources Corporation.
2. I am a graduate of the University of Waterloo with a Bachelor of Science degree in Earth Sciences in 2012.
3. I am a Geoscientist-In-Training with the Association of Professional Geoscientists of Ontario.
4. Since 2012, I have been involved in mineral exploration projects for gold, silver, copper, jade, nickel, and cobalt in British Columbia, Ontario, Quebec, Northwest Territories, and Dominican Republic.
5. I was directly involved with the field work of the 2019 exploration program at Stock.

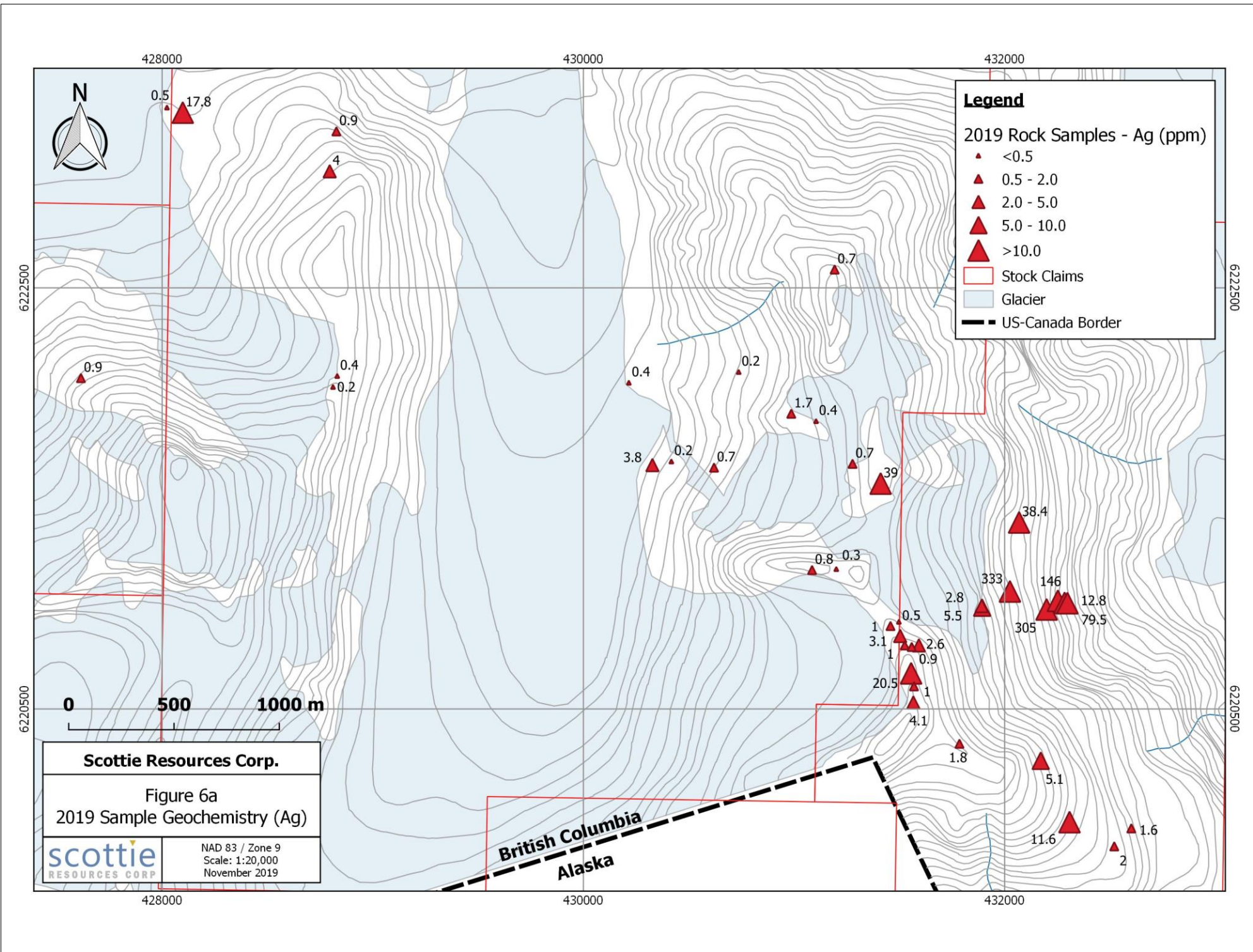
Dated at Squamish, British Columbia, this 30th day of November, 2019.

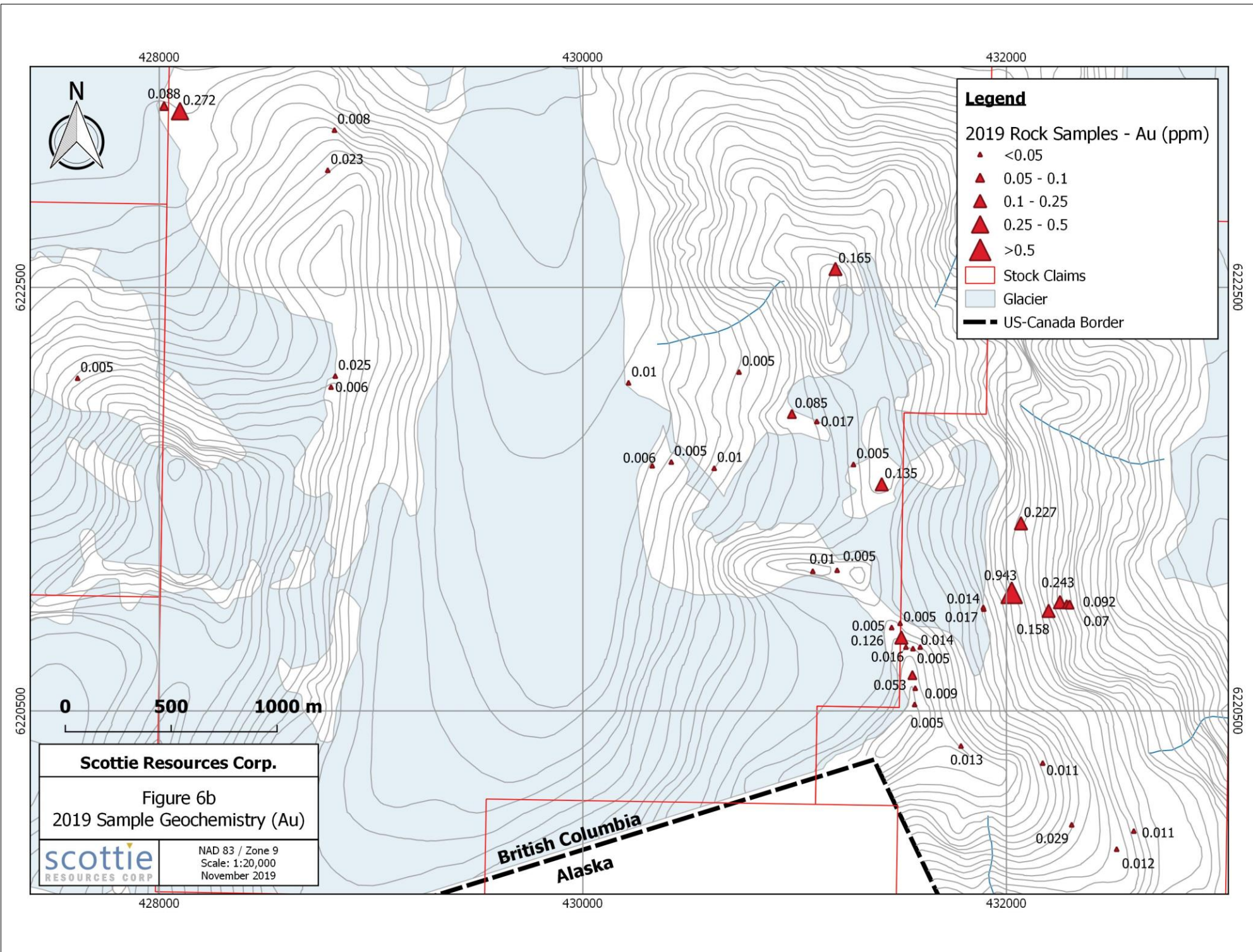


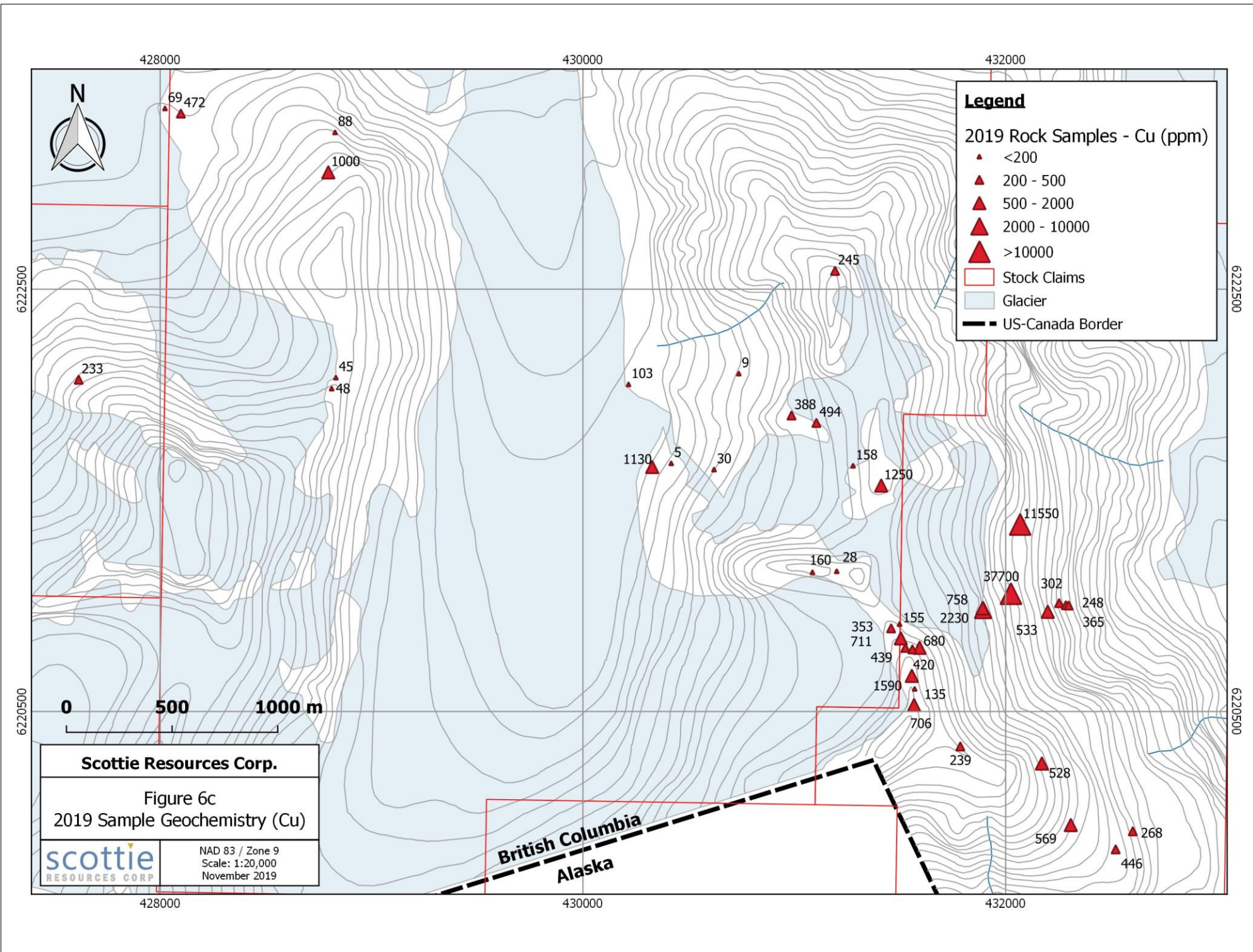
Daniel Guestrin, G.I.T., B. Sc.

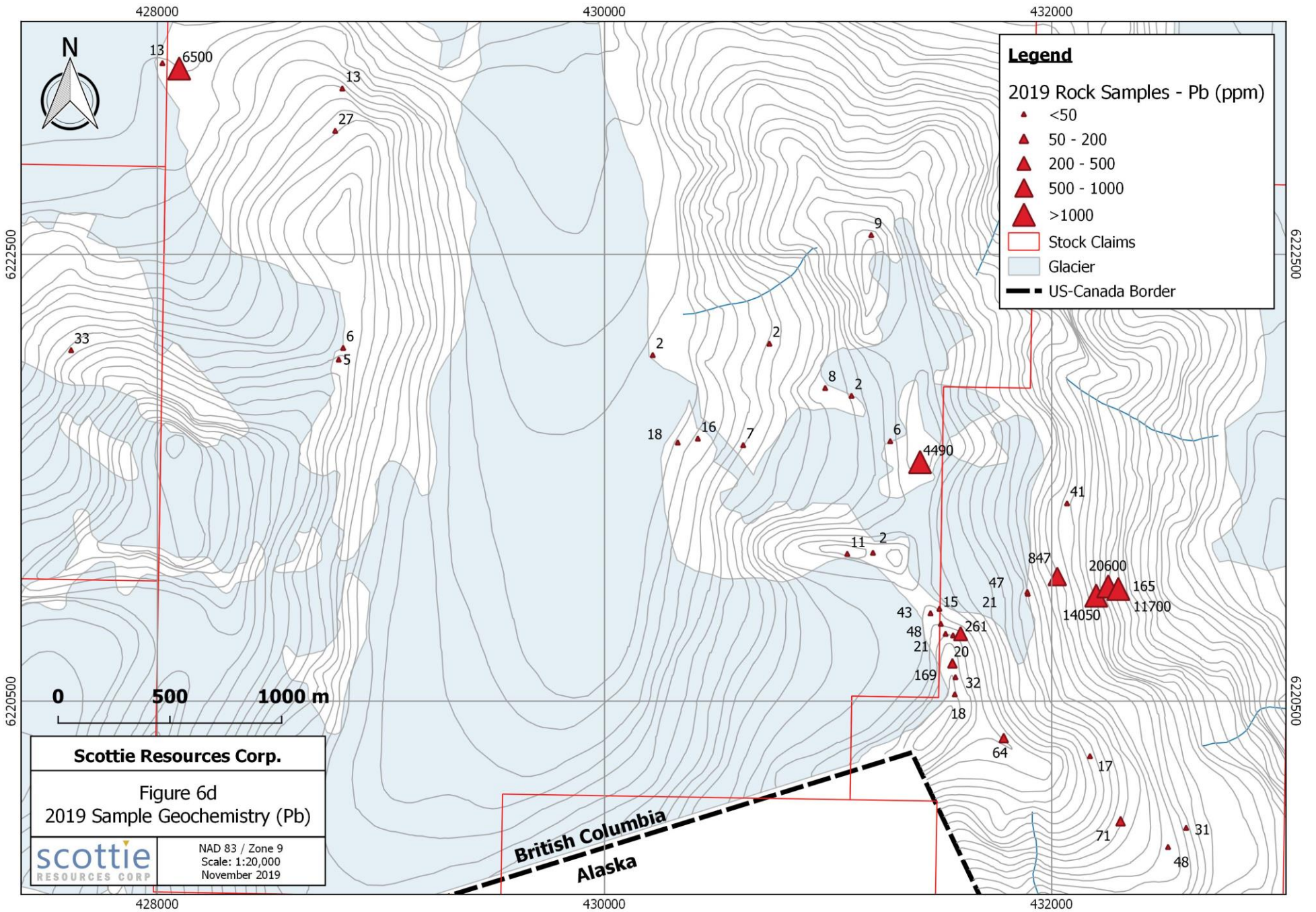
Appendix F: Figures











Legend

2019 Rock Samples - Pb (ppm)

- ▲ <50
- ▲ 50 - 200
- ▲ 200 - 500
- ▲ 500 - 1000
- ▲ >1000
- Stock Claims
- Glacier
- US-Canada Border

Scottie Resources Corp.

Figure 6d
2019 Sample Geochemistry (Pb)

scottie
RESOURCES CORP

NAD 83 / Zone 9
Scale: 1:20,000
November 2019

0 500 1000 m

British Columbia
Alaska

428000 430000 432000

6222500

6222500

6220500

6220500

428000 430000 432000

