

**Ministry of Energy and Mines**  
BC Geological Survey

**Assessment Report**  
**Title Page and Summary**

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

TOTAL COST:

AUTHOR(S): \_\_\_\_\_ SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): \_\_\_\_\_ YEAR OF WORK: \_\_\_\_\_

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

PROPERTY NAME: \_\_\_\_\_

CLAIM NAME(S) (on which the work was done): \_\_\_\_\_

COMMODITIES SOUGHT: \_\_\_\_\_

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: \_\_\_\_\_

MINING DIVISION: \_\_\_\_\_ NTS/BCGS: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " LONGITUDE: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " (at centre of work)

OWNER(S):

1) \_\_\_\_\_ 2) \_\_\_\_\_

MAILING ADDRESS:

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

1) \_\_\_\_\_ 2) \_\_\_\_\_

MAILING ADDRESS:

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: \_\_\_\_\_

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	_____	_____	_____
Other	_____	_____	_____
DRILLING (total metres; number of holes, size)			
Core	_____	_____	_____
Non-core	_____	_____	_____
RELATED TECHNICAL			
Sampling/assaying	_____	_____	_____
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
PROSPECTING (scale, area)		_____	_____
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
		TOTAL COST:	_____

# ASSESSMENT REPORT

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## 2018 ROCK SAMPLING ON SPENCES GOLD PROPERTY

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BCGS MAP SHEET 92H057

LATITUDE 49°37'6" N, LONGITUDE 120°32'54" W

SIMILKAMEEN MINING DIVISION

FOR

MICHAEL LEE, FMC 147295

PREPARED BY:

CHRISTOPHER BALDYS, P.ENG.

CONSULTING GEOLOGIST

JANUARY 3, 2019

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# 1. INTRODUCTION

This report has been written to fulfill the requirements for filing assessment work under the British Columbia Mineral Tenure Act. Specifically, the report describes geochemical rock sampling undertaken between November 14 and 20, 2018 on mineral tenures comprising 627.93 hectares and located in Similkameen Mining Division.

The claims are situated within the largest copper producing district in Canada in the southern interior of BC. The largest copper mine in the country, Highland Valley, is situated 90 km to the northwest and another, open-pit copper-gold mine, Copper Mountain, 20 km south of the claims.

The claims that were staked 2018 to cover an area of prospective geology between Alison creek and Summers creek.

In recent years, several porphyry copper-gold targets have been tested by drilling between Summers Creek and Alison Creek valleys to the north of Spences Gold claims, but failed to materialize in new mine developments. However, the discovery of epithermal gold mineralization 25 km to the northwest of the property, at Shovelnose project, have rekindled the interest in exploration yet again, with focus on gold and silver. Large areas have been acquired by map staking, particularly within so called Spences Bridge Gold Belt.

The objective of fieldwork described here was to obtain data on rock geochemistry and evaluate gold mineralization potential.

## 2. LOCATION & ACCESS

Spences Gold claims are located 17 km north from Princeton, a small community, situated between Cascade Mountains and Okanagan region along Similkamen River, that forms a major watershed drainage for the area.

The property can be accessed from Highway 5A between Princeton and Merritt, using logging roads leading to the plateau situated between Summers Creek and Alison Creek. The southwestern corner of the mineral tenure 1058510 is only 120 metres from the highway. The access from Princeton via Summers Creek road requires 19 km drive and was used during 2018 fieldwork.

Historically, the area's main industry has been mining of copper, gold, coal and some platinum. The town's biggest employers are Copper Mountain Mine and a sawmill owned by Weyerhaeuser along with a few smaller timber companies. The population of Princeton fluctuates around 3,000.

The Smalgmix of the Sukwnagin-x are the First Nations of the lower Similkameen region. The Similkameen people have retained their ceremonies, arts, culture, heritage and language which are being taught to the next generation through their oral history and teaching from the chaptikwl and through family systems.



Figure 1. Location Map

### 3. MINERAL TENURES

The Spences Gold property consists of 2 contiguous claims totaling 627.93 hectares with particulars listed in Table 1 below. The claims are owned 100% by Michael Lee. The mineral tenures are situated in Similkameen Mining Division.

The claim block is centered on geographic location at Latitude 49°37'6'' N, Longitude 120°32'54'' W and can be found in BC Mineral Titles Online and iMAP BC database on map sheet 92H057.

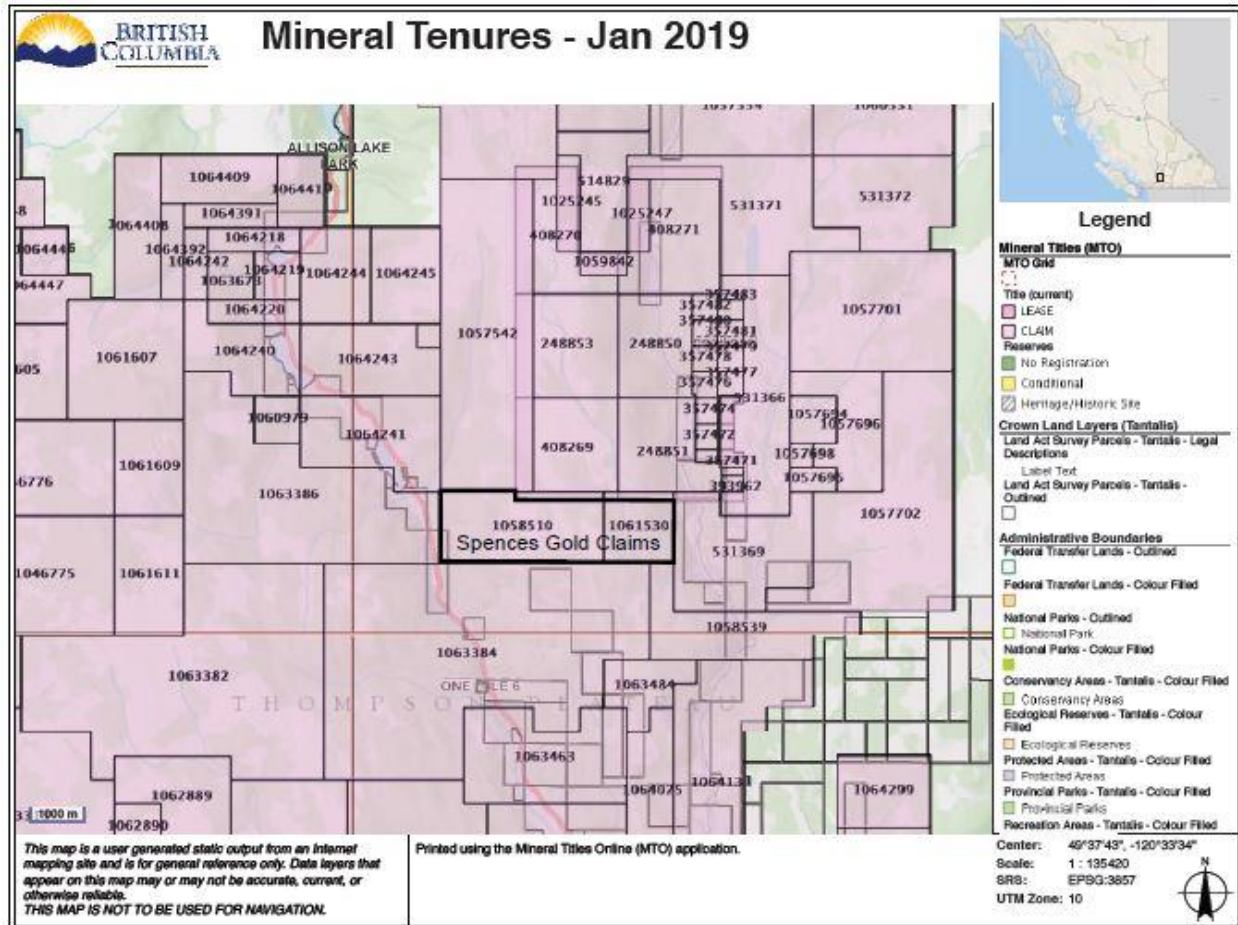


Figure 2. Mineral Tenure Map

The particulars of mineral tenures are shown on Table 1.

TABLE 1

<b>Tenure Number</b>	<b>Claim Name</b>	<b>Issue Date</b>	<b>Hectares</b>	<b>MTO cells</b>	<b>Good to Date</b>	<b>New Good to Date</b>
1058510	NA	2018/FEB/09	439.55	21	2019/FEB/09	2020/FEB/09
1061530	NA	2018/JUL/03	188.38	9	2019/JUL/03	2020/JUL/03

## 4. PHYSIOGRAPHY & CLIMATE

The project area is situated geographically in the southern part of the Thompson Plateau. The dominant landscape of this part of Thompson Plateau is a high, almost plains-like range land cut by deeply incised creek and lake valleys. Topographic relief over the claims area ranges from 840 to 1320 metres above sea level.

The claim block is largely tree-covered with extensive cut blocks that are in various stages of re-growth. Most is heavily forested with subalpine fir, hemlock, balsam, pine and tamarack. A gas pipeline runs through the middle of the claim group (Figure 4). Fenced areas for cattle ranching run along the pipeline on the west side.

Annual precipitation ranges between 250 and 360 millimetres per year and tends to be divided up nearly equally between the various months. The weather in this area tends to be benign for the large part and is controlled by the Cascade Mountains, giving the area a rain shadow effect whereby very little precipitation relative to areas on the windward side of the Cascade mountains.

Princeton is one of the sunniest places in British Columbia with hot summers and generally mild winters at low elevations. Mountain valleys allow cold air to pool, creating inversions. The 29.4 days with measurable sunshine in March are the highest in the country.

## 5. REGIONAL GEOLOGY

The rocks underlying the Thompson Plateau originated in the Pacific and were appended to the North American plate in the Mesozoic. These rocks were pervasively intruded by granitic magmas. Process of amalgamation of volcanic and sedimentary formations onto the continent and subsequent orogeny resulted in Northwest trending tectonic fabric.



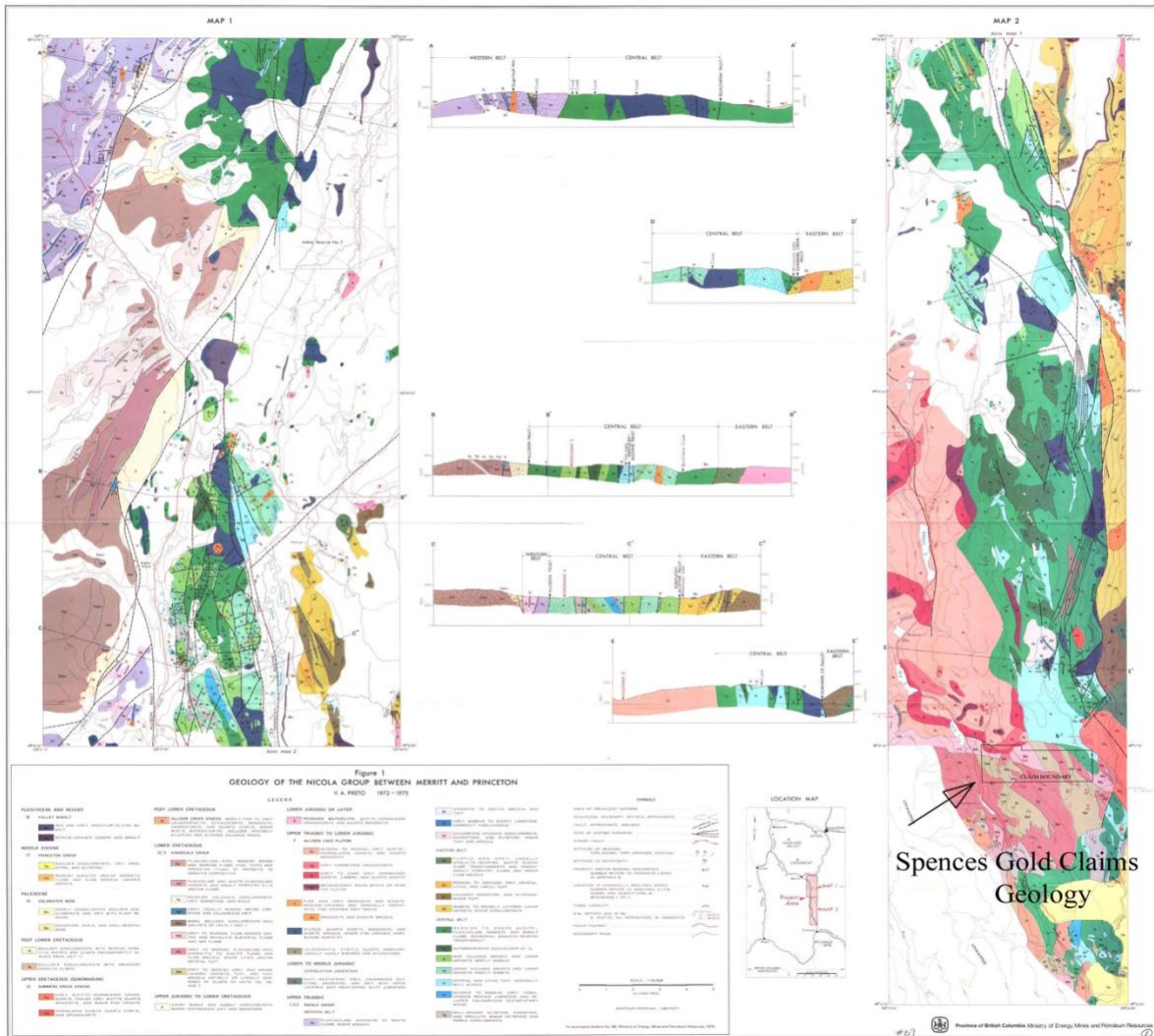


Figure 3. Regional Geology (by V.A.Preto, 1979)

Geologically, the Thompson Plateau is part of larger Intermontane belt. The peneplain surface of the plateau is underlain by rocks ranging from upper Paleozoic to lower Mesozoic that form Quesnel terrane extending all the way to Yukon. The Quesnel terrane is bound by the Slide Mountain terrane to the east and fragments of Cache Creek terrane to the west.

In 1979 BC Ministry of Mines and Petroleum Resources published Geology of Nicola Group between Merritt and Princeton for the area covering 650 km<sup>2</sup>. This work was done by V. Preto in 1:50,000 scale and was published in Bulletin 69. The area pertaining to the Spences Gold claims is plotted on the geology map accompanying the bulletin and is shown on Figure 3 with the original legend.

## 6. PROPERTY GEOLOGY

The claims area is underlain by the following rock units based on regional scale mapping from 1979 (Figure 3).

10c – grey to maroon, plagioclase-rich andesitic flows and flow breccia with minor lithic and/or crystal tuff

10d – grey to reddish-grey and brown laharc deposit, tuff and tuff breccia with clasts of 10c and other lithologies

These units were assigned to Lower Cretaceous Kingsvale Group in 1979. Stratigraphic revisions made were made in 1988 by D.J Torkelson and G.E. Rouse for a 240 km long belt of Mid-Cretaceous volcanic rocks in the region. Based on their work these units were assigned to Pimainus Formation that is part of Spences Bridge Group. This volcanic formation was interpreted as subaerial succession originating from stratovolcano and the work was published in 1989.

Granodiorites and Diorites belonging to post-Triassic Alison pluton were mapped in 1979 over large areas around Alison Lake. These rock types may be underlying the Spences Gold tenures along its northern boundary, but were not encountered during rock sampling traverses in 2018.

## 7. HISTORY

The region is known for development of and mining of coal deposits in late 1800's and early 1900s. Placer mining of gold and platinum in the Tulameen and Similkameen Rivers was documented in the mid-1800s. Small scale mining for copper is known from Princeton area since at least 19<sup>th</sup> Century.

The mineral tenures straddle an area where no exploration work was recorded or reported in public domain. Mapping and magnetometer surveys were conducted in 1970's just south of the 2018 project area, but no geochemical data is available.

Around the same time, in 1970's, a malachite showing was located southwest of the lake on the East side of Highway 5A and was recorded as a Minfile occurrence 2670 by BC Geological Survey. The showing is now part of Spences Gold claims staked in 2018 and represents a copper occurrence found in relatively young volcanic rocks.

Five kilometers to the northwest from the claims, an adit was driven in 1920's in search of copper mineralization, and the oxide zone terminated in a major fault. Work by numerous other operators that included Cominco and Amax in the 1960's and 1970's resulted in several drilling campaigns and porphyry copper-gold mineralization was found in four zones. Mineralization is associated with dykes and skarns within Nicola Group stratigraphy. More drilling was completed between 1994 and 2006 by various junior operators. Axe South zone is situated within 2 km distance from Spences Gold claim boundary.

Most recently, in 2008, a diamond drilling program budgeted at \$238,000 was proposed to verify a historical resource on Axe claims of some 71 million tonnes of 0.38% copper. Plans to incorporate gold assays and conduct copper and copper-gold estimate for each zone separately have emerged from an engineering report. However, the drill program was not executed by the owner, Liberty Leaf Holdings Ltd., and the mineral tenures were sold to Evrim Resource Corp. in 2016. Evrim Resources follows a prospect generator model and carried out a drilling program in 2018 funded by a major. The company is now seeking a partner to upgrade the resource through more drilling.

## 8. 2018 ASSESSMENT WORK

Between November 14 and 20, 2018 a program of geochemical rock sampling was executed. Seven man-days were spent by two geologists on sampling and prospecting traverses in the eastern part of the claim block.

The outcrop exposure and access are relatively good in the entire area of the claim block and rock samples seem to be relatively representative of entire volcanic stratigraphy encountered. No intrusive rock outcrops were found so far.

Half a day was spent in an attempt to find the original malachite showing that is recorded as BC Minfile 2670, as follows "*malachite occurs in a section of lahars, tuff and tuff breccia of the Middle and Upper Cretaceous Spences Bridge Group*". The showing was not located during November 2018 fieldwork traverses. This is not an unusual problem as most minfile records in BC do not have GPS coordinates recorded, so they are difficult to find.

All samples collected were bagged and described in the field with GPS coordinates recorded as waypoints. The samples were sent to SGS Canada Inc. analytical lab in Burnaby for 27-element geochemical analyses. Gold was analysed by fire assay and atomic absorption finish. Method summary and analytical certificates are included in Appendix 2.

## 9. ROCK GEOCHEMISTRY RESULTS

From a total of 20 samples collected, two showed anomalous gold, arsenic, and antimony content. The particulars of the two samples are as follows. Silver, arsenic and gold values are plotted on Figures 5a, b and c.

TABLE 2

Sample Number	Sample Description	Weight	Au ppb	Ag ppm	As ppm	Cu ppm	Fe %	Mo ppm	Pb ppm	Sb ppm	Zn ppm	S %
CB-216	Subcrop - limonitic-brecciated volcanic with vuggy quartz cement	0.99	9	<2	450	34	4.31	17	22	10	36	0.06
CB-217	Subcrop - volcanic, silica-sericite altered, limonitic after pyrite	0.98	20	<2	708	7.5	4.2	7	21	8	16	0.53

The samples originate from silica-sericite altered volcanics and were collected in the eastern part of the property. A fault zone striking northerly or northwesterly controls the alteration. Minor amounts of sulphides were noted visually (1-2%). All samples have been described in Appendix 1 and the sample locations are shown on the following map (Figure 4).

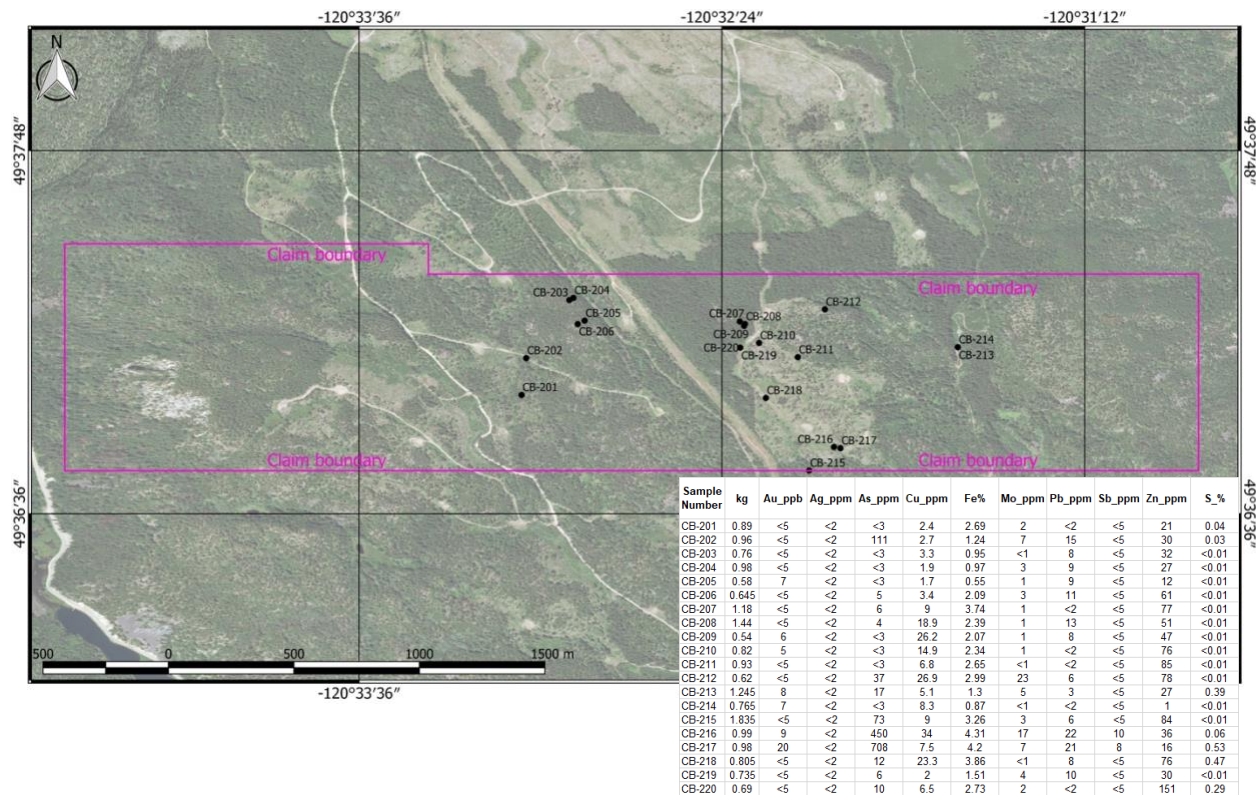
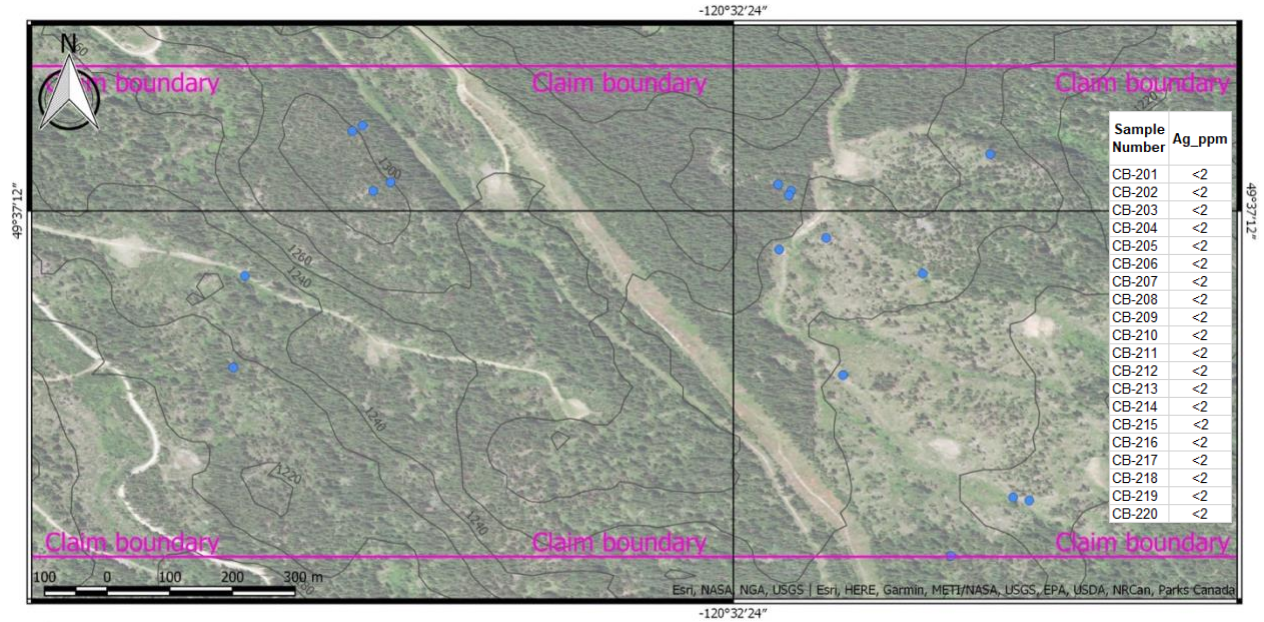


Figure 4. Sample Location Map

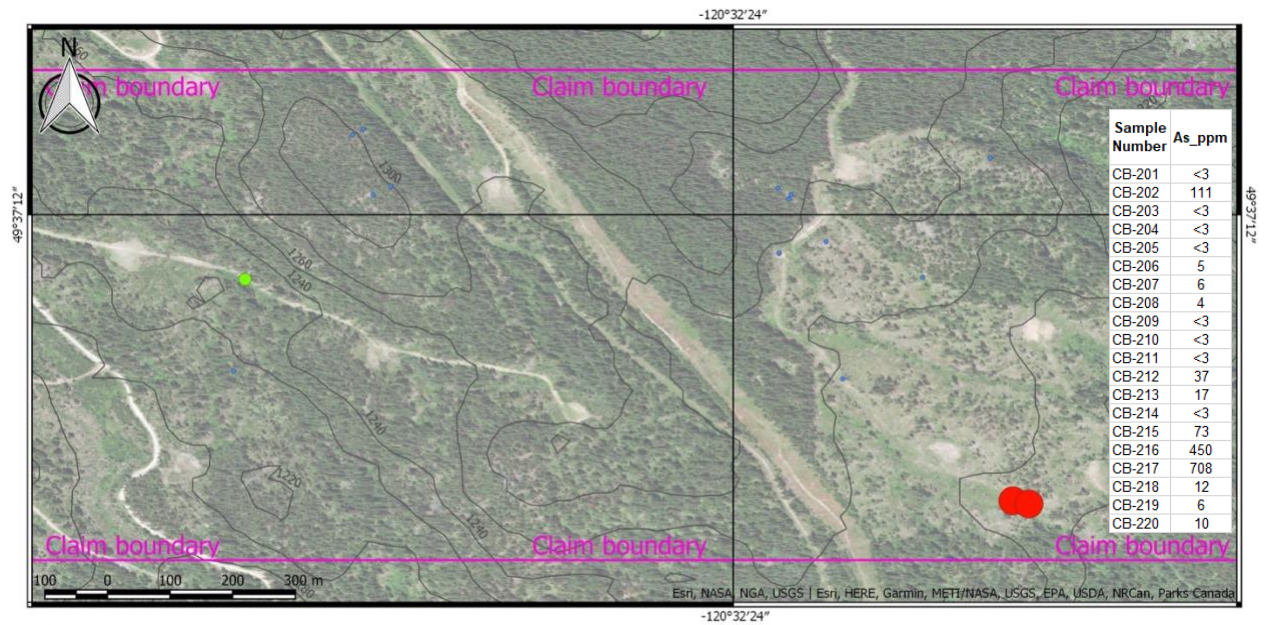




Ag ppm

- 2.00 - 2.00

Figure 5a, Silver in Rock Sample



As ppm

- 3.00 - 73.15
- 73.15 - 248.72
- 248.72 - 424.29
- 424.29 - 708.00

Figure 5b, Arsenic in Rock Samples

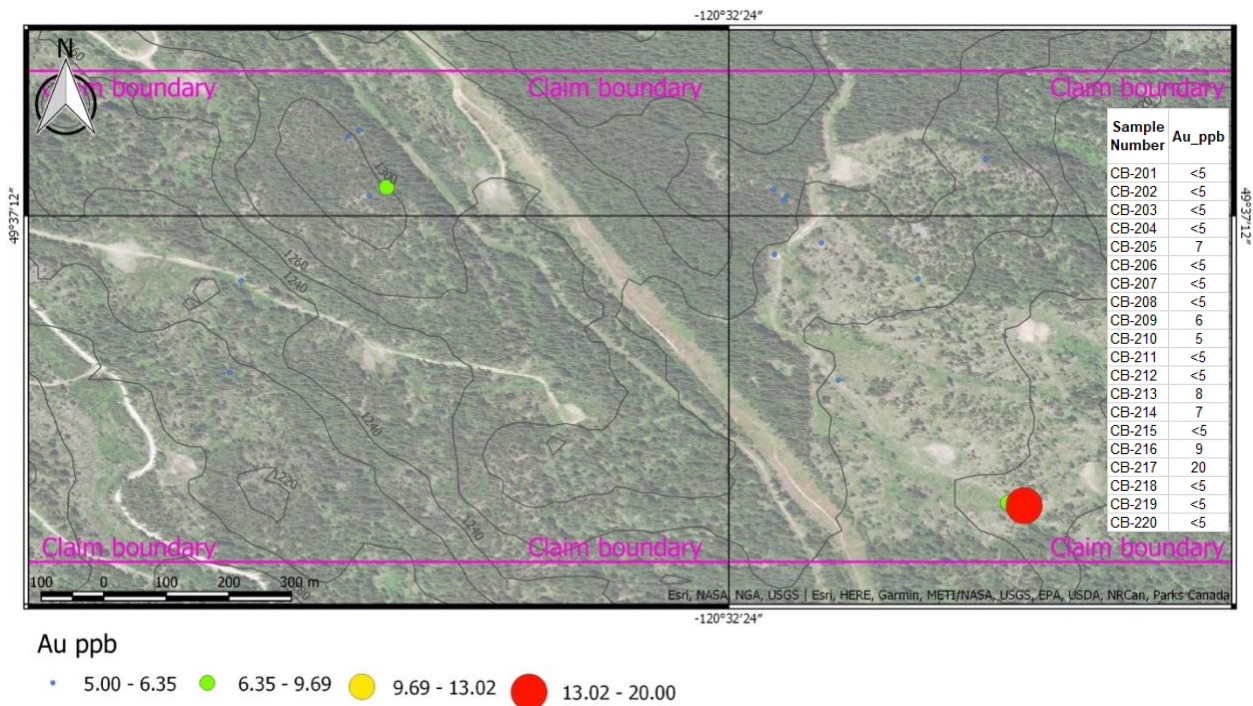


Figure 5c, Gold in Rock Samples

## 10. CONCLUSIONS & RECOMMENDATIONS

The results of 2018 rock sampling on Spences Gold claims show the presence of hydrothermal alteration and associated weak sulphide mineralization that might be indicative of epithermal system.

In two samples, anomalous gold, and anomalous gold pathfinder elements were determined through analytical methods.

Epithermal systems are predominately “near surface” (<2km depth) features that can be associated with the development of gold, silver and base metal mineralization.

Detailed geological mapping, prospecting and soil geochemical surveys are recommended for the eastern part of the claim block over fault structures that can be inferred from topography.

## 11. STATEMENT OF COSTS

DESCRIPTION	QTY	RATE (\$)	AMOUNT (\$)
Project Design	1 day	500	500
Mob/Demob (travel time, 2-man crew)	2 x ½ day	500	500
Truck Rental	5 days	120	747
Fuel	173.7L	1.29	213
Food	5 days		446
Fieldwork, C.Baldys, Geologist	3 days	500	1500
Fieldwork, A.Walus, Mineralogist	3 days	500	1500
Report, C.Baldys	2 days	500	1000
Geochemical Analyses	20	39.95	839
<b>TOTAL ASSESSMENT WORK COST</b>			<b>7,245</b>

TABLE 3

## 12. REFERENCES

Gabrielse, H., Monger, J.W.H., Wheeler, J. O., and Yorath, C.J. (1991): Geology of the Cordilleran Orogen in Canada, Geological Survey of Canada, Geology of Canada series no. 4, p. 15-28

Preto, V.A. (1979): Geology of the Nicola Group between Merritt and Princeton, Bulletin 69, British Columbia Ministry of Mines and Petroleum Resources

Thorkelson, D.J. and Rouse, G.E. (1989): Revised stratigraphic nomenclature and age determinations for mid-Cretaceous volcanic rocks in southwestern British Columbia, Canadian Journal of Earth Sciences, vol.26, 1989.



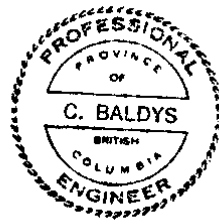
# 13. CERTIFICATES OF QUALIFICATION

**Author: Christopher Baldys**

Christopher Baldys do hereby certify that:

1. I am currently a self-employed consulting geologist based at 23035 Cliff Avenue, Maple Ridge, BC.
2. I graduated with a Degree in Mining Geology from AGH University of Mining and Metallurgy in Cracow, Poland, in 1980.
3. I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia since 1990 and the Association for Mineral Exploration of British Columbia.
4. Since graduating I have worked as a geologist for 30 years in mineral exploration in Canadian Cordillera, Mexico, South America, Eastern Europe and Central Asia.

This report is based on work completed between November 14 and 20, 2018.



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January 3, 2019

Maple Ridge, BC



## APPENDIX 1

Sample Number	Sampler	Datum	Easting	Northing	Elevation	Sample Description	Weight		Au	Ag	As	Cu	Fe	Mo	Pb	Sb	Zn	S
							kg	ppb										
CB-201	CB, AW	UTM NAD83 Zone 10	676893	5498878	1188 m	Angular float - volcanic, silica-sericite altered, limonitic	0.89	<5	<2	<3	2.4	2.69	2	<2	<5	21	0.04	
CB-202	CB, AW	UTM NAD83 Zone 10	676904	5499104	1201 m	Subcrop - felsic volcanic, silica-sericite altered, limonitic	0.96	<5	<2	111	2.7	1.24	7	15	<5	30	0.03	
CB-203	CB, AW	UTM NAD83 Zone 10	677064	5499465	1208 m	Subcrop - pyroclastic tuff, weakly sericite altered, limonitic	0.76	<5	<2	<3	3.3	0.95	<1	8	<5	32	<0.01	
CB-204	CB, AW	UTM NAD83 Zone 10	677080	5499479	1208 m	Outcrop - pyroclastic tuff, weakly altered	0.98	<5	<2	<3	1.9	0.97	3	9	<5	27	<0.01	
CB-205	CB, AW	UTM NAD83 Zone 10	677129	5499341	1202 m	Outcrop - hydrothermal breccia, homolithic, sericite altered	0.58	7	<2	<3	1.7	0.55	1	9	<5	12	<0.01	
CB-206	CB, AW	UTM NAD83 Zone 10	677102	5499319	1209 m	Outcrop - hydrothermal breccia, homolithic, silica-sericite alt	0.645	<5	<2	5	3.4	2.09	3	11	<5	61	<0.01	
CB-207	CB, AW	UTM NAD83 Zone 10	677747	5499356	1180 m	Outcrop - lappilli tuff, weakly altered	1.18	<5	<2	6	9	3.74	1	<2	<5	77	<0.01	
CB-208	CB, AW	UTM NAD83 Zone 10	677768	5499341	1182 m	Float - pyroclastic tuff, strongly hematitic, pyrite 1%	1.44	<5	<2	4	18.9	2.39	1	13	<5	51	<0.01	
CB-209	CB, AW	UTM NAD83 Zone 10	677765	5499330	1181 m	Outcrop - silicified, limonitic tuff with trace pyrite	0.54	6	<2	<3	26.2	2.07	1	8	<5	47	<0.01	
CB-210	CB, AW	UTM NAD83 Zone 10	677828	5499227	1185 m	Outcrop - volcanic tuff-breccia, silica-sericite altered, limonitic, trace pyrite	0.82	5	<2	<3	14.9	2.34	1	<2	<5	76	<0.01	
CB-211	CB, AW	UTM NAD83 Zone 10	677985	5499145	1168 m	Outcrop - crystal tuff, epidote-silica altered	0.93	<5	<2	<3	6.8	2.65	<1	<2	<5	85	<0.01	
CB-212	CB, AW	UTM NAD83 Zone 10	678083	5499441	1178 m	Outcrop - sericite-epidote altered tuff	0.62	<5	<2	37	26.9	2.99	23	6	<5	78	<0.01	
CB-213	CB, AW	UTM NAD83 Zone 10	678620	5499227	1102 m	Float quartz-sericite altered andesitic volcanic	1.245	8	<2	17	5.1	1.3	5	3	<5	27	0.39	
CB-214	CB, AW	UTM NAD83 Zone 10	678620	5499227	1102 m	Float subrounded - 90% silica, jarosite-limonite stain, near CB-213	0.765	7	<2	<3	8.3	0.87	<1	<2	<5	1	<0.01	

Sample Number	Sampler	Datum	Easting	Northing	Elevation	Sample Description	Weight Au		Ag	As	Cu	Fe	Mo	Pb	Sb	Zn	S
							kg	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
CB-215	CB, AW	UTM NAD83 Zone 10	678053	5498453	1196 m	Subcrop - hematite cemented volc or hydroth.? breccia	1.835	<5	<2	73	9	3.26	3	6	<5	84	<0.01
CB-216	CB, AW	UTM NAD83 Zone 10	678147	5498600	1172 m	Subcrop - limonitic-brecciated volc., with vuggy quartz cement	0.99	9	<2	450	34	4.31	17	22	10	36	0.06
CB-217	CB, AW	UTM NAD83 Zone 10	678173	5498593	1171 m	Subcrop - volc, silica-sericite altered, limonitic after pyrite	0.98	20	<2	708	7.5	4.2	7	21	8	16	0.53
CB-218	CB, AW	UTM NAD83 Zone 10	677866	5498891	1212 m	Float - limonitic volcanic, 1-2% pyrite	0.805	<5	<2	12	23.3	3.86	<1	8	<5	76	0.47
CB-219	CB, AW	UTM NAD83 Zone 10	677754	5499196	1226 m	Float, angular - felsic flow, rusty on factures	0.735	<5	<2	6	2	1.51	4	10	<5	30	<0.01
CB-220	CB, AW	UTM NAD83 Zone 10	677754	5499196	1226 m	Float, angular - pyroclastic tuff, sericite altered (near CB-219)	0.69	<5	<2	10	6.5	2.73	2	<2	<5	151	0.29

## APPENDIX 2



**Certificate of Analysis**  
**Work Order : VC184335**  
**[Report File No.: 000033398]**

**Date:** December 24, 2018

**To: Chris Baldys**  
**COD SGS MINERALS - GEOCHEM VANCOUVER**  
 Consulting Geologist  
 23035 Cliff Ave  
 Maple Ridge  
 BC V2X 3L9

**P.O. No.:** CHRIS BALDYS / TEST: 20 ROCK  
**Project No.:** -  
**Samples:** 20  
**Received:** Nov 20, 2018  
**Pages:** Page 1 to 6  
 (Inclusive of Cover Sheet)


**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
20	G_LOG02	Pre-preparation processing, sorting, logging, boxing
20	G_WGH79	Weighing of samples and reporting of weights
20	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
20	G_PUL45	Pulverize 250g, Cr Steel, 85% passing 75 microns
20	GE_FAA313	@Au, FAS, AAS, 30g-5ml(Final Mode)
20	GE_ICP14B	Aqua Regia digestion/ICP-AES package

**Storage: Pulp & Reject**

REJECT STORAGE : RETURN AFTER 30 DAYS  
 PULP STORAGE : RETURN AFTER 90 DAYS

Certified By :



Gerald Chik  
 Operations Manager/Chief Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
 M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg	@Au	@Ag	@Al	@As	@Ba	@Be	@Bi
	G_WGH79	GE_FAA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
	0.01	5	2	0.01	3	5	0.5	5
	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
CB-201	0.890	<5	<2	1.14	<3	43	<0.5	<5
CB-202	0.960	<5	<2	0.53	111	549	<0.5	<5
CB-203	0.760	<5	<2	0.64	<3	97	0.6	<5
CB-204	0.980	<5	<2	0.53	<3	236	0.5	<5
CB-205	0.580	7	<2	0.45	<3	111	<0.5	<5
CB-206	0.645	<5	<2	0.91	5	258	<0.5	<5
CB-207	1.180	<5	<2	1.89	6	63	<0.5	<5
CB-208	1.440	<5	<2	1.03	4	61	<0.5	<5
CB-209	0.540	6	<2	0.97	<3	35	<0.5	<5
CB-210	0.820	5	<2	1.35	<3	79	<0.5	<5
CB-211	0.930	<5	<2	1.62	<3	86	<0.5	<5
CB-212	0.620	<5	<2	1.47	37	212	<0.5	<5
CB-213	1.245	8	<2	0.50	17	377	<0.5	<5
CB-214	0.765	7	<2	0.36	<3	13	<0.5	<5
CB-215	1.835	<5	<2	1.34	73	140	<0.5	<5
CB-216	0.990	9	<2	0.54	450	65	<0.5	<5
CB-217	0.980	20	<2	0.33	708	164	<0.5	<5
CB-218	0.805	<5	<2	1.42	12	98	<0.5	<5
CB-219	0.735	<5	<2	0.47	6	66	<0.5	<5
CB-220	0.690	<5	<2	1.59	10	278	<0.5	<5
*Rep CB-203		8						
*Blk BLANK		<5						
*Rep CB-208			<2	1.02	5	67	<0.5	<5
*Std OREAS601			51	0.86	309	386	0.6	23
*Blk BLANK			<2	<0.01	<3	<5	<0.5	<5
*Std OREAS151B		68						

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Element Method Det.Lim. Units	@Ca	@Cd	@Co	@Cr	@Cu	@Fe	@Hg	@K
	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
	0.01	1	1	1	0.5	0.01	1	0.01
	%	ppm	ppm	ppm	ppm	%	ppm	%
CB-201	0.05	<1	2	7	2.4	2.69	<1	0.13
CB-202	0.10	<1	1	7	2.7	1.24	<1	0.27
CB-203	0.05	<1	<1	5	3.3	0.95	<1	0.36
CB-204	0.05	<1	<1	5	1.9	0.97	<1	0.33
CB-205	0.04	<1	<1	3	1.7	0.55	<1	0.31
CB-206	0.53	<1	1	5	3.4	2.09	<1	0.20
CB-207	1.34	<1	7	8	9.0	3.74	<1	0.22
CB-208	0.31	<1	1	3	18.9	2.39	<1	0.13
CB-209	0.60	<1	2	7	26.2	2.07	<1	0.15
CB-210	0.62	<1	5	11	14.9	2.34	<1	0.23
CB-211	0.94	<1	6	4	6.8	2.65	<1	0.19
CB-212	0.70	<1	8	8	26.9	2.99	<1	0.28
CB-213	0.15	<1	3	10	5.1	1.30	<1	0.26
CB-214	0.02	<1	<1	3	8.3	0.87	<1	0.17
CB-215	1.23	<1	7	9	9.0	3.26	<1	0.24
CB-216	0.05	<1	5	7	34.0	4.31	2	0.10
CB-217	0.05	<1	<1	4	7.5	4.20	<1	0.16
CB-218	1.12	<1	7	9	23.3	3.86	<1	0.13
CB-219	0.05	<1	<1	8	2.0	1.51	<1	0.11
CB-220	0.15	<1	1	4	6.5	2.73	<1	0.16
*Rep CB-208	0.31	<1	1	2	19.8	2.34	<1	0.13
*Std OREAS601	1.09	8	4	45	1030	2.08	<1	0.25
*Blk BLANK	<0.01	<1	<1	<1	<0.5	<0.01	<1	<0.01

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Element Method Det.Lim. Units	@La	@Li	@Mg	@Mn	@Mo	@Na	@Ni	@P
	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
CB-201	3.1	2	0.79	185	2	0.18	2	0.05
CB-202	19.6	<1	0.03	431	7	0.07	1	0.02
CB-203	20.3	<1	0.04	645	<1	0.08	1	0.02
CB-204	24.7	<1	0.03	707	3	0.05	1	0.02
CB-205	19.2	<1	0.02	236	1	0.04	<1	0.01
CB-206	21.1	3	0.20	937	3	0.12	2	0.02
CB-207	9.1	13	0.79	1000	1	0.07	4	0.10
CB-208	13.4	4	0.24	334	1	0.13	1	0.05
CB-209	9.6	6	0.34	450	1	0.14	2	0.05
CB-210	7.3	11	0.48	466	1	0.09	4	0.07
CB-211	11.7	12	0.71	689	<1	0.10	2	0.13
CB-212	9.8	10	0.45	763	23	0.12	4	0.10
CB-213	7.9	<1	0.03	104	5	0.05	2	0.05
CB-214	<0.5	<1	<0.01	89	<1	0.05	<1	<0.01
CB-215	15.6	8	0.46	930	3	0.11	3	0.11
CB-216	13.6	<1	0.05	221	17	0.13	8	0.04
CB-217	13.9	<1	0.02	150	7	0.16	2	0.06
CB-218	12.6	8	0.66	749	<1	0.12	4	0.09
CB-219	11.1	1	0.07	208	4	0.13	2	0.01
CB-220	7.6	1	1.42	1250	2	0.09	1	0.08
*Rep CB-208	13.0	4	0.24	335	1	0.13	1	0.05
*Std OREAS601	21.7	8	0.19	435	4	0.07	28	0.04
*Blk BLANK	<0.5	<1	<0.01	<2	<1	<0.01	<1	<0.01

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Element Method Det.Lim. Units	@Pb	@S	@Sb	@Sc	@Sn	@Sr	@Ti	@V
	GE_ICP14B 2 ppm	GE_ICP14B 0.01 %	GE_ICP14B 5 ppm	GE_ICP14B 0.5 ppm	GE_ICP14B 10 ppm	GE_ICP14B 0.5 ppm	GE_ICP14B 0.01 %	GE_ICP14B 1 ppm
CB-201	<2	0.04	<5	5.0	<10	6.4	<0.01	15
CB-202	15	0.03	<5	1.4	<10	17.8	<0.01	2
CB-203	8	<0.01	<5	1.1	<10	4.8	<0.01	1
CB-204	9	<0.01	<5	1.0	<10	7.0	<0.01	1
CB-205	9	<0.01	<5	0.8	<10	5.1	<0.01	<1
CB-206	11	<0.01	<5	1.7	<10	18.1	<0.01	4
CB-207	<2	<0.01	<5	6.6	<10	25.4	0.18	49
CB-208	13	<0.01	<5	3.6	<10	15.0	0.15	20
CB-209	8	<0.01	<5	3.3	<10	19.3	0.15	22
CB-210	<2	<0.01	<5	5.0	<10	31.5	0.28	35
CB-211	<2	<0.01	<5	5.7	<10	51.0	0.29	34
CB-212	6	<0.01	<5	6.2	<10	34.0	0.27	42
CB-213	3	0.39	<5	1.5	<10	18.8	<0.01	5
CB-214	<2	<0.01	<5	0.6	<10	2.0	<0.01	2
CB-215	6	<0.01	<5	5.5	<10	37.1	0.21	41
CB-216	22	0.06	10	1.3	<10	30.2	<0.01	17
CB-217	21	0.53	8	0.9	<10	47.1	<0.01	12
CB-218	8	0.47	<5	4.4	<10	52.8	<0.01	49
CB-219	10	<0.01	<5	0.8	<10	10.1	<0.01	4
CB-220	<2	0.29	<5	4.6	<10	21.0	<0.01	27
*Rep CB-208	14	<0.01	<5	3.6	<10	15.3	0.15	20
*Std OREAS601	295	1.08	23	1.5	<10	35.9	0.01	10
*Bik BLANK	<2	<0.01	<5	<0.5	<10	<0.5	<0.01	<1

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Element Method Det.Lim. Units	@W	@Y	@Zn	@Zr
	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
	10	0.5	1	0.5
	ppm	ppm	ppm	ppm
CB-201	<10	2.4	21	5.5
CB-202	<10	4.8	30	5.9
CB-203	<10	4.7	32	9.7
CB-204	<10	4.8	27	8.8
CB-205	<10	3.8	12	7.3
CB-206	<10	7.4	61	9.8
CB-207	<10	15.3	77	13.8
CB-208	<10	13.7	51	22.5
CB-209	<10	12.7	47	21.2
CB-210	<10	12.0	76	26.7
CB-211	<10	17.2	85	17.7
CB-212	<10	12.2	78	21.9
CB-213	<10	11.5	27	13.4
CB-214	<10	1.2	1	3.1
CB-215	<10	17.5	84	12.7
CB-216	<10	7.3	36	9.3
CB-217	<10	0.9	16	5.9
CB-218	<10	13.4	76	6.5
CB-219	<10	4.6	30	14.0
CB-220	<10	3.5	151	3.2
*Rep CB-208	<10	14.0	56	23.7
*Std OREAS601	<10	6.0	1310	27.6
*Bik BLANK	<10	<0.5	<1	<0.5

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