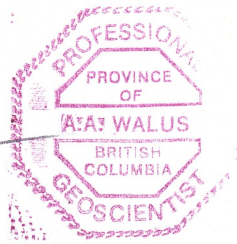
ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: ASSESSMENT REPORT ON GEOCHEMICAL SAMPLING KALUM GOLD PROPERTY

TOTAL COST: $30,736

AUTHOR(S): A. Walus, P.Geo
SIGNATURE(S):



NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): Event No: 5762135, November 04, 2019

YEAR OF WORK:2019

PROPERTY NAME: Kalum Gold Property

CLAIM NAME(S) (on which work was done): 1041122, 1047551, 1041131, 1041120, 1047550

COMMODITIES SOUGHT: gold, silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 103I 019, 103I 211, 103I 213, 103I 218
MINING DIVISION: Skeena
NTS / BCGS:103I-076
LATITUDE: 54° 45' N
LONGITUDE: 128° 53' W (at centre of work)
UTM Zone:9 EASTING:509,000 NORTHING: 6,066,000

OWNER(S): Gold Fountain Resources

MAILING ADDRESS: #203 – 11020 No 5 Road
Richmond, BC
V7A 4E7

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

MAILING ADDRESS: Same

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**): gold +/- silver mineralization, veins and stockwork zones.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 13303, 16026, 17952, 27417, 27892, 30479, 33752

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 ...)			$30,736
Soil 105			
Silt 10			
Rock 28		1041120, 1047550 1041122	
Other			
DRILLING (total metres, number of holes, size, storage location)			
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	$30,736

ASSESSMENT REPORT ON
GEOCHEMICAL SAMPLING

KALUM GOLD PROPERTY

LOCATED 35 KM NORTHWEST OF TERRACE, BC

LATTITUDE: 54° 45' NORTH
LONGITUDE: 128° 53' WEST

EVENT # 5762135

REPORT PREPARED FOR:
GOLD FOUNTAIN RESOURCES
#203 - 11020 NO. 5 ROAD
RICHMOND, BC

BY

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November 2019

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

SUMMARY

The Property is located 35 km northwest of Terrace and approximately 100 km east of the major port of Prince Rupert. It is centered on Latitude 54° 45' North and Longitude 128° 53' West on BCGS 1:20,000 map sheet 103I 076. The Kalum Gold property consists of 40 mineral tenures (claims) covering 9792 hectares. They are 100 percent owned by Gold Fountain Resources. Part of the property is covered by three No Registration Reserves (previously called No Staking Reserves) #1006426, 1006421 and 10060423). Claim 1061982 which covers historic Kalum Lake mine lies entirely within no Registration Reserve.

The Kalum Gold property contains several significant mineralized zones which include Kalum Lake (MINFILE No 103I 019), Burn (MINFILE No 102I 211), Misty (MINFILE No: 103 I 213), Tuppie – East Tuppie (MINFILE No: 103 I 218) and Sunny Vein. Kalum Lake and Burn mineralized zones are located within No Registration Reserves.

Mineral exploration in the area covered by Kalum Gold claims has discovered numerous gold+/- silver bearing quartz veins and stockwork zones. There is now enough geological information to clearly recognize that a large, intrusive-related gold system with a spatial and genetic connection to the Mount Allard pluton exist on the property.

There are two styles of gold mineralization on the Kalum property – high grade gold bearing quartz veins and low grade, bulk tonnage gold zones. Almost all exploration conducted over the past hundred years has focused on finding the former which led to the discovery of several prospective mineralized zones including the Kalum Lake, Misty, Tuppie and Sunny zones.

The potential to find lower grade, bulk minable gold deposits in the Mount Allard area was first identified by Eagle Plains geologists. Their work identified Burn and Tuppie zones with potential for this mineralization style. The 2008 drilling on Burn zone intersected broad zones of mineralization of over 500 ppb gold over ten or more metres hosted by altered granodiorite, including some intersections approaching 1 gram per tonne.

During the 2019 program two new mineralized zones called Poznan and Opole were found. Poznan zone is represented by samples KA-13 to 17 comprised of quartz veins fragments with galena, pyrite, sphalerite and arsenopyrite which derive from local quartz veins. The samples assayed from 514 to 9091 ppb gold accompanied by strongly anomalous silver, lead and arsenic values. The existence of gold-arsenic bearing veins in this area would explain arsenic silt anomaly (103.8 ppm) in a large creek from which silt sample KSL-1 was taken. It would not however explain even stronger arsenic silt anomalies (330 and 348.6 ppm) in two creeks located south of sample KSL-1. This strongly suggest the existence of another gold-arsenic bearing zone located directly SW from Poznan zone. This area should be the highest priority target in the future exploration program as it likely constitutes the northeast extension of a strong gold-arsenic soil anomaly (traced for more than 1.0 km) which shows strong correlation with gold mineralization of the Misty zone.

Second new zone called Opole defined by samples KA-4 and 10 was discovered a short distance up the creek from arsenic silt anomaly detected in 2003 by Eagle Plains Resources. The samples which returned 1290 and 3874 ppb gold accompanied by highly anomalous arsenic of more than 10,000 ppm are associated with 30-40 cm wide fault zone.

Silt samples collected during the 2019 exploration program confirmed the existence of very strong arsenic silt anomaly detected in 2003 by Eagle Plains Resources. The 2003 silt samples returned the strongest arsenic silt anomaly in the Mount Allard area with 3 samples assaying between 200 and 450 ppm and 3 samples between 450 and 1200 ppm arsenic. Four silt samples collected in the same area in 2019 returned lower but still highly anomalous arsenic values of between 74.5 to 346.6 ppm.

The 2019 soil sampling did not detect any anomalous precious or base metals values, this however may be due to a thick overburden which masks any potential residual anomaly.

For the next exploration program, the following work is recommended:

1. Rock and soil sampling in the headwaters of creeks with very strong arsenic silt anomaly detected in 2003 by Eagle Plains Resources to locate the source of this anomaly.
2. Detailed, systematic sampling of Tuppie zones with the aim of evaluating their economic potential.
3. Looking for the possible extensions of Bling-Rico-Hat vein system.

Ten days of work by a team comprised of geologist and field assistant should be sufficient to complete this program. The cost of the program is estimated at $35,000 which include the use of helicopter for 5-6 days.

1. INTRODUCTION

This report is based on the results of the 2019 exploration program which included geochemical rock, soil and silt sampling. Data from previous assessment reports and MINFILE were also used. The complete list of sources used in this report is provided in References.

The program was conducted under author's supervision on behalf of Gold Fountain Resources in the period from May30 to June 11, 2019. The pertinent statement of exploration work performed in this period was filed on November 04, 2019 (event # 5762135). A copy of the confirmation page for this event is presented on page 37 of this report.

1.1 LOCATION AND ACCESS

The Property is located 35 km northwest of Terrace and approximately 100 km east of the major port of Prince Rupert (see figure 1). The property is centered on Latitude 54° 45' North and Longitude 128° 53' West on BCGS 1:20,000 map sheet 103I 076.

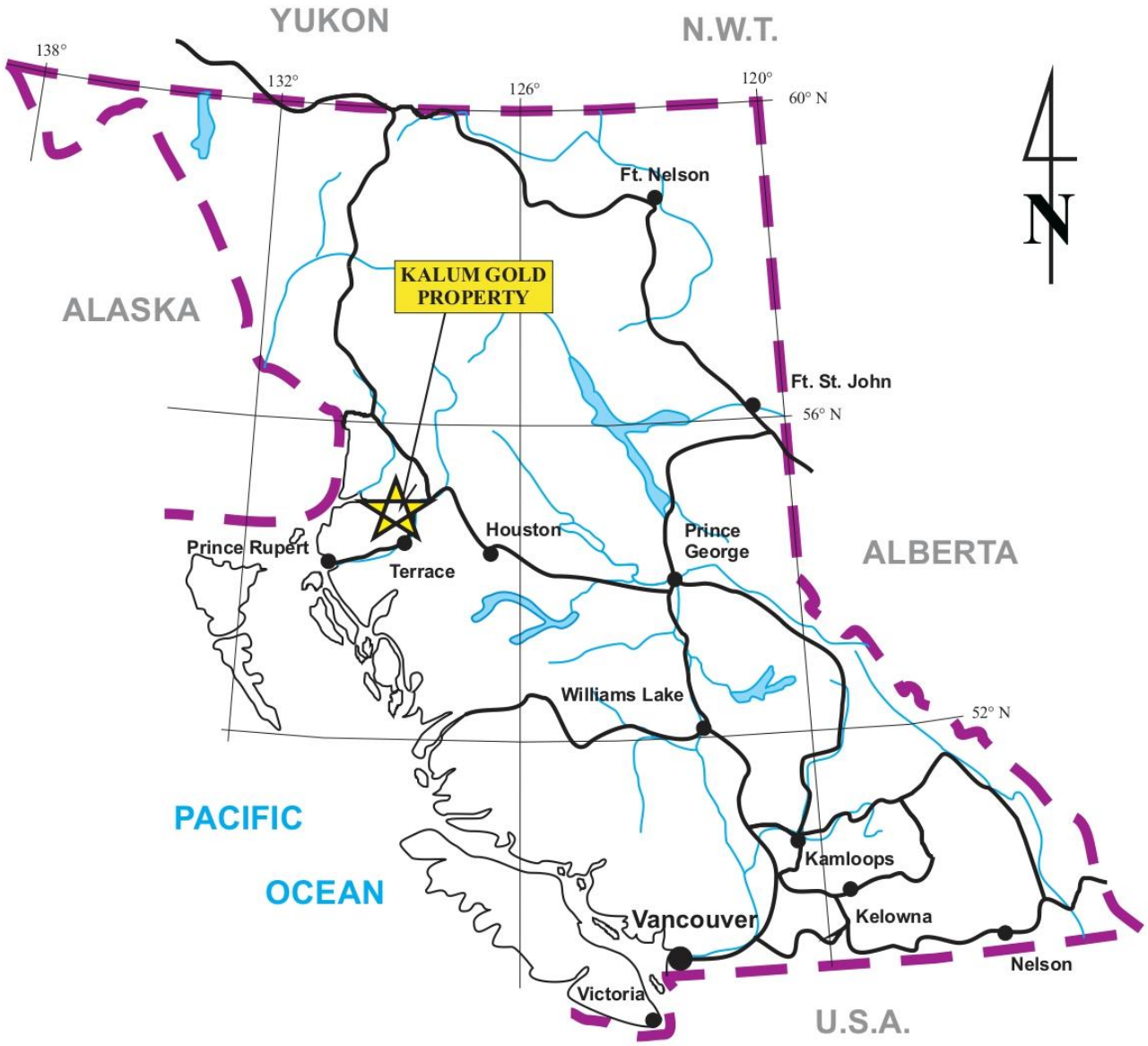
The eastern, low lying parts of the property can be accessed by a network of British Columbia Forest Service and private logging roads that extend off of the gravel-surfaced Nisga'a Highway 113 which passes along the west side of Kitsumkalum Lake. The western, higher elevation areas of the property are best accessed by helicopter based in Terrace.

1.2 CLIMATE AND PHYSIOGRAPHY

The weather is typical of the North Coast of British Columbia with wet summers and heavy snowfall in the winters. Large snow-drifts cover parts of the property until mid-June, with minor areas of permanent snow found at the highest elevations and in sheltered areas.

The Property is located just to the east of the Kitimat Range of the Coast Mountains in the area of Mount Allard, the dominant peak at 1,505 meters. Elevation varies from 300 to 1,500 meters above sea level and topography is steep to moderate. Outcrops are present within numerous drainages and along ridges and escarpments, but is sparse on timbered slopes. Eagle Plains Resources estimated total outcrop exposure of the property at 10 to 20 percent. Much of the Property has a thin to moderate veneer of glacial till.

Vegetation varies from heather, blueberry and huckleberry on the upper slopes above the tree line to Douglas fir, hemlock, alder and devil's club in the dense temperate rainforest on the lower slopes. Steep alpine topography and the dense forest, both characteristic of the area, can prove challenging for travelling on foot.



To accompany report by A. Walus

Gold Fountain Resources Inc.	
KALUM GOLD PROPERTY **OMINECA MINING DIVISION**	
LOCATION MAP	
Date: November 2019	**Figure 1** **Scale as shown**

1.3 LOCAL RESOURCES AND INFRASTRUCTURE

With a current population of over 12,000 Terrace supports a regional airport, rail yard, and most other amenities. Two helicopter companies Lakelse and Yellowhead Helicopters have bases in Terrace.

Terrace is located at the junction of major highways 16 and 113. The latter, called the Nisga'a Highway, runs along the east side of Kitsumkalum Lake. A major provincial powerline runs along the eastern boundary of the property (see figures 2 & 5).

1.4 PROPERTY DESCRIPTION

The Kalum Gold Property consists of 40 mineral tenures (claims) covering 9792 hectares. They are 100 percent owned by Gold Fountain Resources. Expiration dates of the claims and other relevant information are shown in table 1. Claims location is shown on figure 2. According to Minerals Titles Online there are no Crown granted claims in the area covered by GFR claims.

Part of the property is covered by three No Registration Reserves (previously called No Staking Reserves) #1006426, 1006421 and 10060423). Claim 1061982 which covers historic Kalum Lake mine lies entirely within no Registration Reserve (see figure 2). The Reserves have been requested by the Ministry of Aboriginal Relations and Reconciliation. A reserve is established by a Regulation of the Chief Gold Commissioner under section 22 of the Mineral Tenure Act or section 21 of the Coal Act. No Registration Reserves (NRR) prohibit free miners from registering a mineral or placer claim over a specified area. This provision is often used to prevent further registration of claims in an area proposed as possible treaty settlement land or an area proposed for some alternative use such as a park, conservancy, or a drinking watershed.

Table 1 Claims information

Title Number	Claim Name	Owner	Issue Date	Good to Date	Area (ha)
1041103	GFR01	282410 (100%)	2016/JAN/09	2020/AUG/28	391.14
1041107	GFR02	282410 (100%)	2016/JAN/09	2020/AUG/28	391.42
1041110	SILVER	282410 (100%)	2016/JAN/09	2021/AUG/28	18.68
1041112	BURN	282410 (100%)	2016/JAN/09	2020/AUG/28	37.34
1041113	GFR03	282410 (100%)	2016/JAN/09	2020/AUG/28	410.30
1041118	GFR04	282410 (100%)	2016/JAN/09	2021/AUG/28	447.57
1041121	MISTY	282410 (100%)	2016/JAN/09	2021/AUG/28	111.98
1041122	MISTY	282410 (100%)	2016/JAN/09	2021/AUG/28	112.06
1041123	GFR05	282410 (100%)	2016/JAN/09	2020/AUG/28	540.62
1041124	GFR27	282410 (100%)	2016/JAN/09	2020/AUG/28	783.38
1041125	SILVER	282410 (100%)	2016/JAN/09	2021/AUG/28	37.34
1041126	GFR06	282410 (100%)	2016/JAN/09	2020/AUG/28	614.85
1041129	GFR28	282410 (100%)	2016/JAN/09	2021/AUG/28	111.96
1041130	GFR08	282410 (100%)	2016/JAN/09	2021/AUG/28	37.31
1041131	GFR29	282410 (100%)	2016/JAN/09	2021/AUG/28	410.71
1041132	GFR09	282410 (100%)	2016/JAN/09	2020/AUG/28	335.81
1041133		282410 (100%)	2016/JAN/09	2021/AUG/28	111.98
1041134	GFR30	282410 (100%)	2016/JAN/09	2021/AUG/28	37.32
1041135	MG	282410 (100%)	2016/JAN/09	2021/AUG/28	56.03
1041138	GFR31	282410 (100%)	2016/JAN/09	2020/AUG/28	168.05
1041139	GFR11	282410 (100%)	2016/JAN/09	2020/AUG/28	335.44
1041140	GFR33	282410 (100%)	2016/JAN/09	2020/AUG/28	149.36
1041141	GFR34	282410 (100%)	2016/JAN/09	2020/AUG/28	279.64
1041142	GFR35	282410 (100%)	2016/JAN/09	2020/AUG/28	55.90
1041143	GFR12	282410 (100%)	2016/JAN/09	2020/AUG/28	260.80
1041144	GFR13	282410 (100%)	2016/JAN/09	2020/AUG/28	280.05
1041228	TUPPIE	282410 (100%)	2016/JAN/11	2020/AUG/28	111.94
1047549	GFR16	282410 (100%)	2016/NOV/01	2020/AUG/28	56.02
1047550	GFR17	282410 (100%)	2016/NOV/01	2020/AUG/28	149.28
1047551	GFR18	282410 (100%)	2016/NOV/01	2021/AUG/28	18.67
1047584		282410 (100%)	2016/JAN/09	2020/AUG/28	167.66
1047585	GFR10	282410 (100%)	2016/JAN/09	2020/AUG/28	167.60
1047589	GFR31	282410 (100%)	2016/JAN/09	2020/AUG/28	653.48
1047590	GFR32	282410 (100%)	2016/JAN/09	2020/AUG/28	37.36
1061982	KALUM GOLD	282410 (100%)	2018/JUL/27	2025/JAN/28	37.32
1070403	GFR40	282410 (100%)	2016/JAN/09	2020/AUG/28	578.13
1070404	GFR026	282410 (100%)	2016/JAN/09	2021/AUG/28	727.70
1070405	GFR41	282410 (100%)	2016/JAN/09	2020/AUG/28	186.63
1070407	GFR07	282410 (100%)	2016/JAN/09	2020/AUG/28	223.88
1070408	GFR08	282410 (100%)	2016/JAN/09	2021/AUG/28	149.26
				Total ha	**9792.00**

Kalum Gold Property

1047585 1041103 1041143 1047584 1041126 1041142 1041139 1041107 1041123 1041141 1064968 1041118 1070403 1041113 1041124 1041116 1041228 1041132 1070407 1070408 1041134 1041129 1070404 1041133 1041121 1070405 1041144 1047589 1041131 1041140 1041125 1041138 1041135 1047551 1047549 1041122 1047590

516412 1072250 1040574

Property of Eagle Plains Resources

Property of W. E. Johnson

1031 174

1031 255

1031 151

1031 228 (Tuppie, E. Tuppie, Cirque)

1031 213

1031 227

1031 019

1031 018

No Registration Reserve

No Registration Reserve

West Kalum Forest Service Road

Kitsumkalum Lake

Kalum Lake Drive

Kitsumkalum Lake North Protected Area

Red Sand Lake Recreation Site

1200 800 400 1000 700 300 1100 800 400 200

500,000 E 505,000 E 510,000 E

6,075,000 N 6,070,000 N 6,065,000 N

1 km

N

Gold Fountain Resources Inc.

KALUM GOLD PROPERTY
OMINECA MINING DIVISION

CLAIM MAP

UTM Coordinates: NAD 83	Figure 2
Date: November 2019	Scale 1 : 50,000

LEGEND:

- Property boundary
- 1070404 — Mineral claim and MTO label
- Principal roads
- MINFILE showing
- 1031 018 — MINFILE prospect
- 1031 019 — MINFILE past producer

Elevations - Contour Interval - 100 m

2. PREVIOUS WORK

2.1 WORK BY PREVIOUS PROPERTY OWNERS (1919 - 2008)

The Kalum property features several mineralized zones which are shown on figure 4. **Kalum Lake (MINFILE No 103I 019) and Burn (MINFILE No 103I 211) mineral occurrences are located within No Registration Reserves** (see chapter 1.4 Property Description). Each occurrence had been worked at various times by various owners and operators. A brief description of the most significant mineral zones is presented below.

Kalum Lake, MINFILE No. 103I 019

In 1919, C.A. Smith of Terrace staked the original Lakeside claims. Between 1923 and 1925, the newly formed Kalum Mines Ltd. conducted considerable work on the property which consisted of shaft sinking and drift development along the main (Portland #1) vein discovered in 1919. Two shafts were sunk with the east shaft reaching 9.1 metres in depth and the main or west shaft developed to 18.2 metres with 64 metres of drifting westerly along the vein. Approximately 90 metres southeast of the main vein, Kalum Mines Ltd. put in a 26-metre adit along a second vein (#2 Vein). Assay values from samples of this vein collected in 1937 contained only minor amounts of gold and silver. Shipments of selected ore were made in 1940, 1941 and 1945, totalling 15.75 tonnes with 781 grams of gold, 1223 grams of silver and 2173 kilograms of copper recovered (Minister of Mines Annual Reports 1940, 1941 and 1945).

In 1972, the original claims were restaked as the Bav 1-4 by J. Apolczer of Terrace. One drillhole 114 metres in length was drilled in an attempt to intersect the main vein and a zone of silicification adjacent to the known mineralized structure and workings. Drill records indicate that the main vein was not located but granodiorite with areas of quartz veining and weak alteration were intersected.

By the end of 1983, the property owner was Bradner Resources. Kalum Lake Mining Group was formed at this time and they trenched and sampled along the Main and #2 veins. Five trenches were dug using a tracked hoe accompanied by blasting and hand trenching.

In 1987, a 395 metre NQ diamond drilling program was undertaken on the Kalum property under the supervision of OreQuest Consultants Ltd. At the time, the claims were owned by Terracamp Development Limited through an option with the Kalum Lake Mining Group. The objective of the program was to test the known gold bearing quartz veins and to locate additional mineralized zones. Two holes were drilled from one setup, with a third hole collared approximately 60 metres southeast. The continuity of the vein systems and mineralization was established to a depth of 120 metres and 65 metres for the #1 and #2 veins, respectively. Strike extensions of 150 metres on the #1 vein and 60 metres on the #2 vein were also proven. Visible gold was encountered in the #2 vein in holes DDH-TR-87-1 and 87-2, and was also present at surface in the #1 vein. A 52.4 kilogram bulk sample taken from these veins assayed 11.86 grams per tonne gold and 15.43 grams per tonne silver.

The last work recorded on the Kalum Lake property was in 1988 by Terracamp Developments Ltd. who planned a significant underground development program. A bulkhead was placed in front of the break into the old drift and a slash was started to turn on the #2 vein. The work was halted for the lack of funds. OreQuest Consultants Ltd. surveyed, mapped and sampled the crosscut and sampled the old drift. However, the area where the crosscut broke into the old drift was very unstable and no detailed mapping or sampling program was attempted.

In 2004, Eagle Plains Resources Ltd. drilled five holes at the Kalum prospect. The best intercept from the drilling was 16.6 grams per tonne gold in a 1.1 metre wide vein (Exploration and Mining in British Columbia 2004, page 33).

Burn, MINFILE No. 103I 211

In 1984 OreQuest Consultants on behalf of Bradner Resources completed a soil geochemical survey over the Burn showing area. A total of 576 soil samples were collected. Results from the survey indicated a coincident gold - silver - arsenic anomaly in the area of a granodiorite knob (Cavey and Howe, 1984). The highest gold value returned from the soil geochemical survey was 9400 ppb. In addition, OreQuest consultants collected also 12 rock samples. The results were weak with only one sample showing anomalous gold value of 70 ppb (Cavey and Howe, 1984).

In 2008 Eagle Plains Resources cut 9 E-W oriented grid lines. A total of 55 soil samples were collected from the southern 3 lines of the grid. The sampling showed an erratic distribution of gold, arsenic and zinc. Two samples returned >100 ppb Au, six samples assayed >20 ppm As, one sample assayed > 300 ppm Zn with two other samples yielding between 200 and 300 ppm Zn. Four of the eight grab samples collected by Eagle Plains Four of those samples assayed between 132 and 531 ppb gold (AR 30479).

In 2008 Eagle Plains drilled 1390 metres of NQ core in eleven holes to test gold-silver zone poorly exposed on the surface. Several of the holes encountered a broad zones of quartz veining and stringers hosted in altered granodiorite. The highlights of the drilling include: Hole KKM0801 cut 18.4 metres averaging 862 ppb gold and 986 ppm silver including 0.3 metres interval which assayed 28.70 g/t gold. Hole KKM0803 intersected 36.8 metres of quartz veining that grades 890 ppb gold and 256 ppm silver. Deeper in the same hole, there is another intersection 25.5 metres long averaging 240 ppb gold and 603 ppm silver. Other holes intersected similar quartz veining with some lower gold values that are still strongly anomalous and a few higher-grade intersections associated with specific veins (AR 30479).

Also in 2008, an IP survey was completed on 5 lines of the grid with the total length of 4.1 km. The purpose of the survey was to define the extent of the gold-bearing pyrite mineralization within the granodiorite intrusion. A N30E trending structural feature was also the target for the survey as well as overall dimensions of the granodiorite.

Misty (Moss, Creek, Kalum), MINFILE No: 103 I 213

The Misty Claim was staked by C.C.H. Resources Ltd. in 1979 to cover the presumed source of stream sediment gold-arsenic anomaly detected by a B.C. Ministry of Mines during regional silt sampling program. Geological mapping, prospecting, silt sampling and reconnaissance soil sampling were carried out during 1979 and 1980. The soil geochemistry indicated widespread anomalous gold and arsenic values to the east of the Misty Claim and led to the staking of the Misty I Claim during 1981.

In August 1980, the Misty claim was sold to C.C.H. Resources Ltd.'s parent company, Campbell Chibougamu Mines Ltd. which later changed its name to Campbell Resources Inc. The claims were then sold to another wholly owned subsidiary, C.C.H. Minerals Ltd. on April 6th 1981 with Campbell Resources remaining as operator. Campbell Resources completed geological mapping and soil sampling in 1981 (AR 10128). A total of 303 soil samples and 6 rock samples were collected and analyzed for Au, Ag, and As. The soil geochemistry indicated a large area with anomalous gold values. An extensive program was carried out by Campbell Resources during 1982 to investigate the gold anomalies (AR 10827). This included staking the Misty II Claim and hand-trenching and rock geochemistry over the soil geochemical anomalies. A total of 40 soil samples and 113 rock chip samples were collected. A total of 102 meters of trenching and 270.21 meters of NQ diamond drilling was completed. A system of auriferous quartz veins and veinlets in a fracture zone was found in the soil geochemical anomaly on the Misty I Claim. Assays of up to 77.30 grams per tonne gold were obtained from the narrow veins. Chip sampling in trenches returned values of up to 21.6 g/t Au over 60 centimeters and 4.9 g/t over 1.1 meters. The geochemical results indicated good correlation between bedrock gold sources and anomalous soil samples. Five diamond drill holes tested the fracture zone and gold soil geochemical anomaly in the area of the "Wishbone" anomaly trenches. Core recoveries were very poor and led to inconclusive results. Further work was recommended including detailed mapping, soil geochemistry, trenching and diamond drilling.

Mascot Gold Mines Ltd. purchased the claims in 1984. In 1986, Mascot Gold carried out prospecting and soil geochemical and geophysical surveys (AR 15455). A total of 336 soil samples, 3 silt samples and 87 rock samples were collected. The results extended existing soil geochemical anomalies and located additional gold soil anomalies. A total of 8.725-line kilometers of VLF and 7.8 kilometers of total field magnetics were run. The 1987 work by Mascot consisted of line cutting, prospecting and soil and rock geochemical sampling (AR 16302). Several gold geochemical anomalies with coincidental arsenic, lead and zinc anomalies were found. The Creek and Moss Veins were also located during this time. In 1988, the property was acquired by Corona Corporation which concentrated on investigating the gold mineralization on the Misty 4 and Misty Claims (AR 17952). Soil sampling, magnetometer and VLF EM surveying, geological mapping and prospecting was carried out. A total of 110 rock samples and 560 soil samples were collected. Geophysical survey consisted of 20.5 kilometers of VLF Electromagnetic and 20.8 kilometers of Total Field Magnetic ground surveying were completed. The VLF EM survey indicated four main northwest-trending conductor systems. A limited program of trenching was carried out on the Creek and Moss veins.

In 2004, Eagle Plains Resources Ltd. drilled three holes to test quartz veins in a zone of strongly fractured and sheared granodiorite. Broken rock resulted in difficulty completing the holes and there was one significant intersection, 29.7 grams per tonne gold across 0.6 meters (Exploration and Mining in BC., 2004, page 33).

Tuppie - East Tuppie, MINFILE No: 103 I 218 (MapPlace-2 wrongly shows this occurrence 3.5 kilometres west from its correct location)

The showings were discovered by Eagle Plains Resources Ltd. in 2003 while prospecting an area that had recently been exposed by retreating ice. The area features three mineralized zones of which only East Tuppie and part of Tuppie zone are located within the property boundary. Cirque and part of Tuppie zone are located off the property (see figure 4). The zones are comprised of gold-silver bearing veins, breccia veins and stockwork zones which strike approximately 320 degrees and dip between 50 and 80 degrees to the northeast. The best result from Tuppie zone came from a grab sample which yielded 1.42 grams per tonne gold and 235.4 grams per tonne silver (Downie and Stephens, 2003).

Mineralized zones discovered prior to 2003 occur to the south of the Tuppie zones at the Cliff showing (historical grab of 0.6 g/t Au and 25.6 g/t Ag; Crooker ,1988) and south-west of the Tuppie zone at the Creek vein (historical grab sample of 4.2 g/t Au and 205.7 g/t Ag) and Moss veins (historical grab which assayed 1.2 g/t Au and 11.5 g/t Ag; Crooker, 1988).

Historical drilling on the property includes 29 holes drilled from 1972 to 2008 on Burn, Kalum Lake and Misty mineral zones. Highlights of this drilling is summarized in the table 2 below:

Table 2 Summary of Historic Drilling on the Property

Zone Drilled	Company/Year	No of Holes	Significant Results
Burn	Eagle Plains, 2004	11	862 ppb Au and 986 ppm Ag over 18.4 m
			890 ppb Au and 256 ppm Ag over 36.8 m
Kalum Lake	J. Apolczer, 1972	1	No significant results
Kalum Lake	J. Apolczer, R.Bates; 1980	1	No significant results
Kalum Lake	Terracamp Develop. 1987	3	57.8 g/t Au and 151.9 g/t Ag over 0.4 m
Kalum Lake	Eagle Plains, 2004	5	7.75 g/t Au over 0.2 m over 0.2 m
			5.96 g/t Au and 22.9 g/t Ag over 1.1 m
Misty	Campbell Resources, 1982	5	Poor core recovery-Inconclusive results
Misty	Eagle Plains - 2004	3	29.7 g/t Au and 91.5 g/t Ag over 0.6 m

2.2 WORK BY GOLD FOUNTAIN RESOURCES (2016-2018)

2.2.1 2016 Exploration

The 2016 exploration program was conducted by Gold Fountain Resources under the supervision of Raymond Xie. During the program a total of 27 soil and 5 petrographic rock samples were collected. Soil samples did not return any anomalous gold or silver values (Xie R., 2017).

2.2.2 2018 Exploration

Litogeochemistry Study

A major objective of the 2018 field work was to determine igneous phases that might be responsible for mineralization either as source of fluids or generators of hydrothermal circulation systems in mineralized host rocks. Numerous intrusive phases are observed in the Mt. Allard area both as major plutons, like the Allard hornblende tonalite and as dykes or sills, some having the same mineralogy as the Allard pluton, and others slightly different (Wastenays, H., 2018). Apart from quartz feldspar porphyritic sills and dikes, most of the rocks observed were of intermediate composition. During the course of two geological mapping expeditions in June and July, 58 rock samples were collected for analysis. Of these, approximately 38 were collected as representative of various igneous phases and analyzed by complete characterization whole rock method at ALS Chemex. Twenty other samples including 8 mineralized rocks and a suite of slates were analyzed by various methods.

There are several lithologically defined suites of granitoids in the Mt. Allard area including the voluminous poikilitic hornblende tonalite of the Allard pluton itself. The preceding petrologic analysis of the rocks shows that all have a strong calc-alkaline affinity and superficially appear to belong to a single suite of common origin. However, geochronological determinations have established that the Allard area includes a range of ages from 100.2 Ma for the Allard hornblende tonalite, 93.8 for the Mayo pyroxene diorite, and ca. 86 Ma for the Kalum Lake biotite diorite (Mihalynuk and Friedman, 2006). The QFPs cut the hornblende tonalites of the Allard pluton so are clearly younger, and they differ in not conforming to a common fractionation trend with the tonalites. Importantly, mineralization of vein types within the Allard Pluton are probably related to a later intrusive suite, unless the veins can be shown to be of a porphyry copper type petrogenesis (Wastenays, H., 2018).

Geophysical Survey

The IP survey on the Kalum property was conducted by Scott Geophysics Ltd. in the period between June 18 and July 10, 2018. The main part of the survey required a crew of 6 geophysical operators to accomplish the requested pole-dipole survey for penetration to depths of about 100 meters. In total 18.1 line kilometres of IP and magnetometer surveys were completed (Wastenays, H., 2018). IP survey was conducted using a pole-dipole array with a dipole or “a” spacing of 100 meters and receiver positions (aka “n” separations) of n=1 to n= 6 (100/1-6) on lines spaced 600 meters apart. The magnetometer readings were taken using Scintrex ENVI proton precession magnetometers (1 field unit and 1 base station). Raw IP - Resistivity data was initially processed in the field by crew chief Gord Stewart who then transmitted the data by internet to Brad Scott of Scott Geophysics Ltd, for checking and plotting of pseudo sections, chargeability and resistivity contour plans (using triangular-filtered UTM coordinates) and inversions.

The IP survey produced a broad, very low chargeability and variably high resistivity signature coincident with highly variable relatively high magnetometer signals on the northern half of line 8300 through 10100 E. The results indicate a homogeneous plutonic rock with few alteration zones destructive of magnetite and few mineralized fractures and a lack of conductive/chargeable disseminated minerals. The variable nature of the magnetic profiles may indicate variability in the magnetic susceptibility on a small scale, but the average susceptibility remains high relative to surrounding rocks. To the south of the tonalite a large chargeability high is defined in the inversion section and on all depth plans with values ranging from 20 to 30 mV/V. From very limited rock exposures, but consistent geophysical signature it appears probable that the chargeability high represents disseminated sulphide minerals in the sediments, with the possibility of fracture controlled mineralization in both the sills and sediments. The low magnetic susceptibility may be a favorable characteristic suggesting that primary magnetite has been altered in the sills by hydrothermal processes, perhaps related to mineralization (Wastenays, H., 2018).

3. GEOLOGICAL SETTING AND MINERALIZATION

3.1 REGIONAL GEOLOGY

The region is underlain by the southwestern corner of the Bowser Basin which is within the Intermontane Belt of British Columbia. Sandstones, siltstones and conglomerates of the Bowser Lake Group overlap the volcanic and sedimentary rocks of the Stikine Terrane. The Skeena Group consists of shales, siltstones, sandstones and conglomerates that also formed in the Bowser Basin and overlies Bowser Lake Group. The underlying Hazelton Group volcanic rocks of the Stikine Terrane are exposed near the northern end of Kitsumkalum Lake.

The Coast Plutonic Complex lies a short distance to the west of the Kalum Gold property. The property is located on the western side of a Tertiary graben that is 100 kilometres long called the Kitimat Trench (Mathews, W.H., 1986). This prominent topographic feature is five to ten kilometres wide. It is occupied by Kitsumkalum Lake in the Mount Allard area and bounded by the Hazelton Mountains to the east.

3.2 LOCAL GEOLOGY

The most recent government mapping has been completed in 2005 by Mitch Mihalynuk from the British Columbia Geological Survey (BCGS) in partnership with Eagle Plains Resources Ltd (Mihalynuk and Friedman, 2005), see figure 3. About half of the geological mapping and sampling was directed towards Kalum Gold Property and the remainder to the Kitsumkalum Lake region. JoAnne Nelson of the BCGS has published a number of articles and maps describing the geology and mineral occurrences from Terrace and Kitimat areas (Nelson et al., 2007; Nelson et al., 2008).

Stratified Rocks

Five stratigraphic packages underlie the Kitsumkalum Lake area: volcanic rocks correlated with the Early Jurassic Hazelton Group, three clastic sedimentary units belonging to the overlying Upper Jurassic Bowser Lake Group, and two clastic sedimentary units belonging to the Lower Cretaceous Skeena Group (Lefebure, 2016). The Bowser Basin is a Middle Jurassic to mid-Cretaceous marine and non-marine basin which formed on an allochthonous terrane, Stikinia, during and after its amalgamation to the western margin of North America

The Hazelton Group volcanic rocks of the Stikine Terrane include pillow basalt and structurally over lying calcareous tuff, which are exposed east and west of northern Kitsumkalum Lake. These rocks have been affected by at least two phases of deformation. No age data exist for these rocks within the Kitsumkalum Lake area.

Bowser Lake Group strata are dominated by one of three main lithologies: chert pebble conglomerate, sandy turbidites, or silty and carbonaceous argillite. The chert pebble conglomerate forms tabular to lensoid conglomerate units that are interbedded with medium-grained arkosic sandstone and argillaceous siltstone near the low mountain between Kitsumkalum Lake and Mayo Creek. Elsewhere, chert pebbles are less abundant, occurring mainly within lags at the erosional bases of turbidite flow units. More commonly, the turbidite sequences are sand-dominated, lacking beds or lenses of chert pebble conglomerate. Turbidite successions are light grey to rusty-weathering. Typical turbidite sequences are composed of two to six metre thick units with bases composed of rip-up clasts of underlying, dark brown argillite. Conglomerate grades up into medium to coarse-grained, planarlaminated light grey sandstone, parts of which may be interlaminated with millimetre-thick argillite. Laminated sandstone gives way up section to cross-stratified, clean lithic arkose. Cross-stratified sand stone constitutes at least 50% of each fining-upward unit, and they are overlain by silty argillite in which a high content of carbonaceous material is common. This argillaceous siltstone can attain thicknesses of several metres in both packages. It is commonly cut by slatey cleavage at a high angle to bedding. It can be mapped as a tens of metres thick unit that may include broad areas of pencil shale.

Lower Cretaceous Skeena Group sedimentary rocks are mapped along the southwest side of Kitsumkalum Lake by Woodsworth et al.(1985) They are subdivided them into lower unit with black micaceous shale, siltstone and sandstone with common woody debris and an overlying chert pebble conglomerate, sandstone and siltstone upper unit that is commonly micaceous. This is an area of limited outcrop.

Intrusive Rocks

Semicircular plutons and tabular bodies, mainly of diorite to granodiorite composition, extensively intrude the Skeena Group, Bowser Lake Group and older strata within the Kitsumkalum area (Lefebure, 2016). The volume of intrusions increases to the west, toward the Coast Plutonic Complex. The intrusions are listed below in presumed order form oldest to youngest based on field relationships and dating by Mihalynuk and Friedman (2005, 2006).

"Allard" Hornblende Tonalite

The central portion of the Mount Allard pluton is composed of tonalite with euhedral, poikilitic hornblende phenocrysts and a weak magmatic foliation. The pluton is a homogenous body that covers an area of more than 35 square kilometres. Plagioclase and opaque are enclosed by the hornblende phenocrysts. It is dated at 100.2 Ma using U-PB methods (Mihalynuk and Friedman, 2006).

"Mayo" Hornblende-Pyroxene Quartz Diorite

The northern portion of the Mount Allard Pluton, located just north of Mayo Creek, is a hornblende pyroxene quartz diorite that displays a weak to strong foliation and local folding. Mihalynuk and Friedman (2005) describe a phase having glomeroporphyritic, fresh pyroxene with lesser hornblende altered to chlorite and pumpellyite. Quartz and plagioclase occur in the matrix.

"Kalum" Biotite Granodiorite

Medium-grained biotite granodiorite at the Kalum Lake property crops out near the east shore of southern Kalum Lake. Exposures show extensive carbonate alteration and weathered rock is orange in colour. Mineralization displayed by excavated parts of the intrusion consists of quartz veins and tabular quartz stockworks, with a minimum 65 centimetre thickness, that carry pyrite, tetrahedrite and chalcopyrite as the principal sulphides.

Quartz-Biotite Granite Porphyry

The quartz biotite granite unit crops out as a porphyritic rock in the Little Cedar River valley. The porphyry intrusion has no associated biotite hornfels, deformation fabric or regional metamorphic overprint. Locally, it is host to porphyry-style copper-molybdenum mineralization and has caused country rocks near its contacts to be locally replaced by sulphides. Pyrite is disseminated throughout and also occurs as sparse veinlets and blebs (up to 4 percent combined).

Metagranodiorite (Kitsumkalum pluton)

Above the southeastern shores of Kitsumkalum Lake there is a medium to coarse-grained, titaniferous metagranodiorite with enclaves of mafic schist and the Kitsumkalum pluton. It is of Paleocene age 59.6 +0.2/-0.1 Ma (Gareau et al., 1997).

Sugary Aplite Dikes

Sugary aplite to graphic granite dikes which commonly have dark grey, quartz-rich cores, occur in the Tuppie area, where they cut the Mount Allard pluton.

Hornblende - Feldspar Porphyry Dikes

Acicular hornblende-feldspar porphyry dikes are common regionally. At least one variety cuts the Mount Allard pluton and dilatant quartz-carbonate veins.

Aphanitic Dark Green Dikes

Chilled, very fine grained to aphanitic, dark green dikes look fresh and young, but may locally be affected by ductile deformation. Where they cut the hornblende pyroxene quartz diorite, they form a swarm of one to two metres thick bodies that consistently trend due north.

Lamprophyre Dikes

Chilled, metre-thick lamprophyre dikes contain amygdules of a salmon pink mineral, tentatively identified petrographically as heulandite (low temperature zeolite). These dikes cut all structures within Bowser Lake strata and may be the youngest intrusive unit mapped in the area.

Structure

All layered rocks within the Kitsumkalum Lake area have been affected by at least one phase of folding. This folding likely relates to the Skeena Fold Belt, a regional fold and thrust belt which is best expressed in thinly layered strata of the Bowser Basin, but also affected volcanic successions in Stikinia, and Late Cretaceous clastic deposits of the Sustut Basin.

Folds are open to close (30 to 70 degree angle between limbs), although intrafolial isoclines are developed in the most ductile zones. Both concentric and similar fold styles are recognized within strata correlated with the Bowser Lake. Competent sandstone layers tend to act as beams and form concentric folds, except where they have folded at elevated temperatures. Argillaceous units tend to form similar folds, especially where graphitic (Mihalynuk and Friedman, 2006).

Faulting is common and obvious within both the Bowser Lake strata and the intrusive bodies. A detachment fault is shown along the western shores of Kitsumkalum Lake (Mihalynuk and Friedman, 2006). The compilation map by Evenchick et al. (2006) shows two north-trending faults flanking Kitsumkalum Lake. This would be consistent with the Kitimat Trench being a Tertiary Graben and aligns with the regional map published by Nelson et al., 2007.

On some other regional maps (Woodsworth et al., 1985; Evenchick et al., 2004) a significant fault has been located to the west of Kitsumkalum Lake as currently displayed on the British Columbia Geological Survey geological map of the province.

Metamorphism

Biotite hornfels surrounding intrusions is the most common metamorphic facies within the region. Outside of the thermal metamorphic aureoles, a change in regional metamorphic grade occurs, with increases both west and east of the Kalum area. For example, sillimanite and granulite grades are attained to the west, within the Coast Belt. East of northern Kitsumkalum Lake, retrograde spotted chlorite schist contains relicts of andalusite porphyroblasts with internal schistosity that is discordant with respect to the enclosing schistosity.

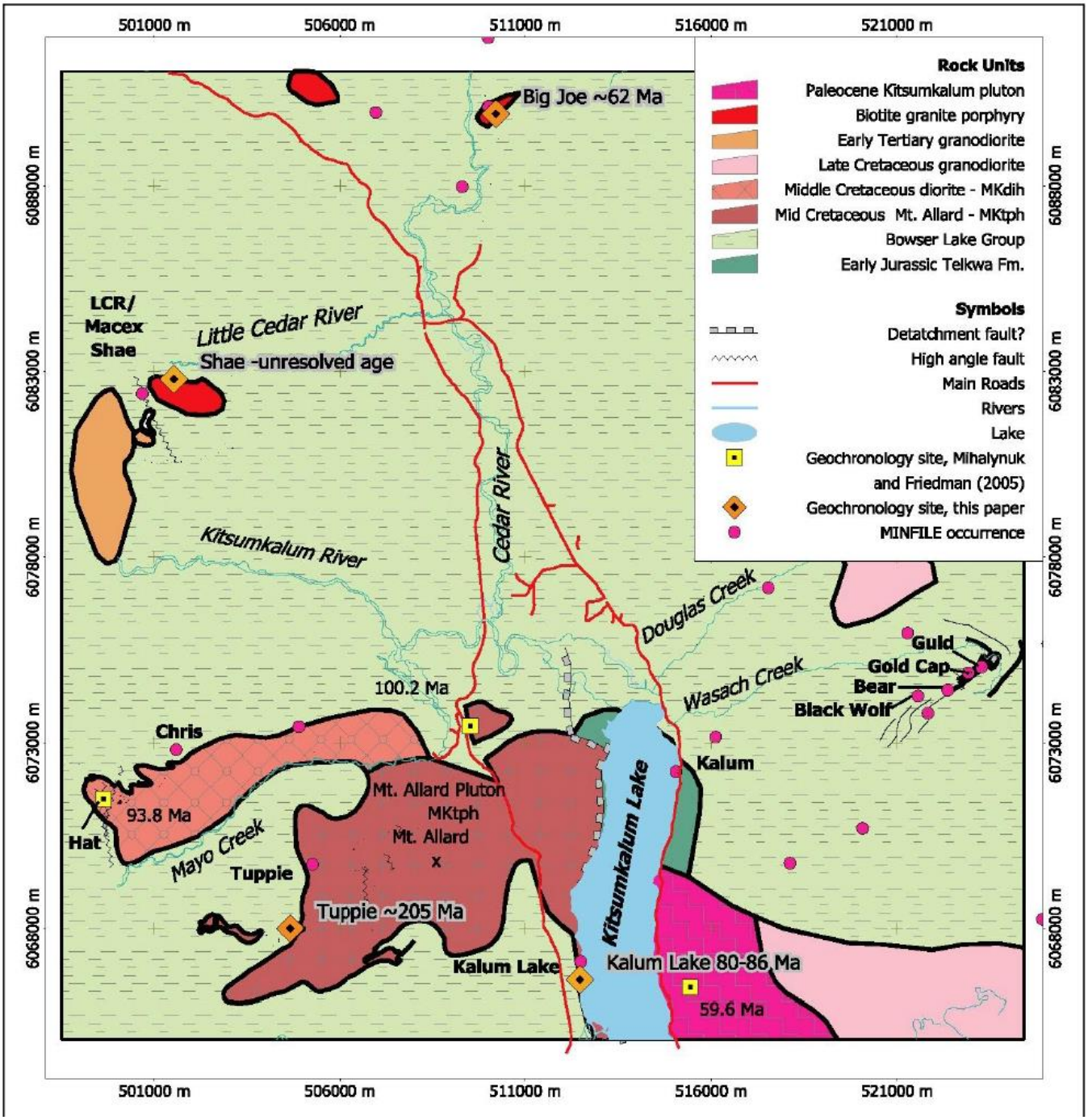


Figure 3. Generalized Geology of the Kitsumkalum Lake Area from Mihalynuk and Fridman (2006).

3.3 PROPERTY GEOLOGY

The Kalum Gold property is centered on the irregularly shaped Mount Allard pluton which is composed primarily of tonalite and quartz diorite, but was commonly referred to as granodiorite by Eagle Plains geologists. This eight by twelve kilometre pluton and associated sills and dykes intrude the greywackes, siltstones, mudstones and minor conglomerates of the Upper Jurassic to Lower Cretaceous Bowser Lake Group and in the southeast probably Skeena Group sediments Figure 4 shows geology of Mount Allard area based on Higgs (2009) and Downie and Stephens (2003) with intrusive unit rock annotations after Lefebure (2016).

Stratified Rocks

The property is underlined by the rocks of Bowser lake Group. Downie and Stephens (2003) describe these stratified rocks as follows: “Bowser Lake Group rocks on the property comprise a monotonous package of greywacke, siltstone and mudstone, with lesser carbonaceous mudstone and conglomerate. Bedding is generally upright with variable strike, although all dips are generally shallow and mostly under 40 degrees. Three broad, stratigraphic units were identified during the 2003 field season. The lower greywacke unit that comprises mostly greywacke, with lesser conglomerate, siltstone and mudstone, dominates the southern portion of the property. The central mudstone unit dominates the central portion of the property and consists of mudstone with lesser greywacke, siltstone and carbonaceous mudstone. The upper greywacke unit that consists of massive greywacke, with some interbedded mudstone and minor carbonaceous mudstone, dominates the northern part of the property. Bowser Lake Group rocks south of Nelson Creek locally have a penetrative foliation. The more pelitic units contain muscovite and chlorite, and indicate pre-Coast Plutonic Complex metamorphism of sub- to lower greenschist facies.”

Intrusive Rocks

The intrusive rocks and associated hypabyssal intrusions on the property have a broad range in composition and texture. The Mount Allard pluton, has an irregular, east-west elongate shape, with a large embayment of Bowser Lake Group sedimentary rocks on the western side. The outcrop pattern along the northern margin indicates that the contact here is likely to be steeply dipping. Eagle Plains geologists believed that the dip might be to the north for the elongate arm of the pluton north of Mayo Creek.

Exposed contacts and outcrop patterns across the central and southern portions of the property indicate an irregular, shallowly dipping, partially bedding-controlled, sill-like geometry for the main pluton in this area. The eastern portion of the pluton is cut by a north-northwest striking, steep fault that may have experienced normal movement. The Allard pluton is dominated by coarse grained hornblende porphyritic granodiorite and medium-grained hornblende-biotite granodiorite. Medium to fine-grained dioritic portions (“Mayo” hornblende pyroxene quartz diorite?) of the Allard pluton occur near its northeast margin, and along the western shore of Kitsumkalum Lake. Pyroxene, most likely augite, is also a common mineral in the granodiorite and diorite phases.

The “Kalum” biotite granodiorite is not identified by Eagle Plains geologists as a separate unit. The outcrops at the Kalum Lake occurrence were identified as such by Mihalynuk and Friedman

(2005 and 2006). It is likely that the granodiorite knob at the nearby Burn zone is also "Kalum" biotite granodiorite. This unit may correspond with the fairly numerous relatively thin, granite dykes and sills intruding the Bowser Lake Group sediments elsewhere in the Mount Allard area.

Many sills, dykes and plugs of variable composition and texture intrude Bowser Lake Group rocks around the margins of the main pluton, in particular in the embayment region on the pluton's western side. They intrude the Allard pluton to a much lesser extent. The embayment of sedimentary rocks on the pluton's western side hosts numerous sills of medium and coarse-grained granodiorite that range in thickness from 300 metres to less than one metre. Numerous other, generally thin (0.5 to 10 metre), sills and dykes of granodiorite to diorite generally are fine- to medium-grained and have plagioclase as the main phenocryst phase. Aplitic and pegmatitic dykes and vein-dykes are also common around the main pluton boundaries, but have the highest densities in the western embayment area.

A sill of pyroxene-porphyritic diorite with unknown width intrudes the elongate northern arm of the Mount Allard pluton near its northeastern margin and a fine- to medium-grained lamprophyre sill crops out to the north of the arm. At least two small intrusions of garnet-plagioclase-muscovite granite crop out on the lower southern slopes of the Kitsumkalum River valley. A small plug or sill of medium-grained quartz-syenite crops out northeast of the Misty showing.

Structure

The following description of the property structural geology is taken directly from Downie and Stephens (2003): *The structural architecture of the rocks on the Kalum property can be described in terms of five main structural elements. These are: bedding, intrusive bodies (sills/dykes and pluton contacts), mineralized veins, faults and joints.*

Bedding

Bedding in the Bowser Lake Group sedimentary rocks on the property has variable strikes and shallow to moderate dips. Cross-bedding in the greywacke units indicates that bedding is upright across the entire property. Stereonets show that the maximum density of bedding is at 240 °/36 °NW, with other submaxima at 236°/18°NW, 308°/30°NE, 020°/33°SE and 126°/36°SW. These data and field observations indicate broad warping of the bedding across an SSW-trending axis.

Intrusive bodies

Intrusive rocks on the property occur in the major pluton and as sills and dykes. In general, sills are more abundant than dykes. The sills and dykes are mostly granodiorite to diorite in composition. Sills are mostly bedding parallel, and thus have variable orientations across the property. The maximum density for the sills is 162°/30°W and for the dykes is 129°/90°.

Mineralized veins

Mineralized veins show a broad range in orientation across the property. However, there is a strong group of NW-striking veins that have a maximum stereonet density at 330°/48°NE (e.g. Rico vein, Tuppie veins) and other sub-maxima at 327°/78°NE (e.g. Creek vein, mineralized faults

adjacent to Rico vein) and 282° /41°N (e.g. veins in the Tojo and Hat areas). Other stereonet density sub-maxima occur at 258°/82°N (e.g. Chris and Martin veins), 206°/78° NW and 063°/43° SE (non- or weakly mineralized vein/dykes in the Tuppie and Cirque areas). A general observation across the property is that the more steeply dipping mineralized structures show a greater degree of shearing, and commonly multiple laminations. This indicates that the steeply dipping mineralized structures (maxima at 327°/78° NE and 258°/82° N) are compressional to extensional-shear veins (Sibson 1998, Stephens 2003, Stephens et al. in press) that have experienced multiple periods of failure and fluid flow. The more shallowly dipping veins (maxima at 330°/48 o NE and 282°/41°N) generally are much less deformed, non-laminated or weakly laminated indicates that these veins can mostly be classified as purely extensional veins that have generally experienced one main period of fluid flow. In addition, some steeply-dipping veins with strike directions between 258° and 327°, such as those in the Bobby area, also show purely extensional characteristics. Shallow slickenlines on the shear veins, the orientation of the steeply dipping extensional veins and angular relationship between the two main shear vein sets (~68 o) indicate that these are conjugate structures. The shear vein set with a maximum at 327°/78° has experienced low magnitude sinistral displacement, while the set with a maximum at 258°/82° has likely experienced low magnitude dextral displacement. Thus these veins are likely to have developed in a low magnitude contractional stress regime with sub-horizontal σ 1 (maximum principle stress) directed about 112 ° (292°). The dominance of moderately NW-dipping extension veins indicates the σ 3 (minimum principle stress) direction is likely to have been moderately plunging to the SW, roughly orthogonal to the major extension-vein sets.

Faults

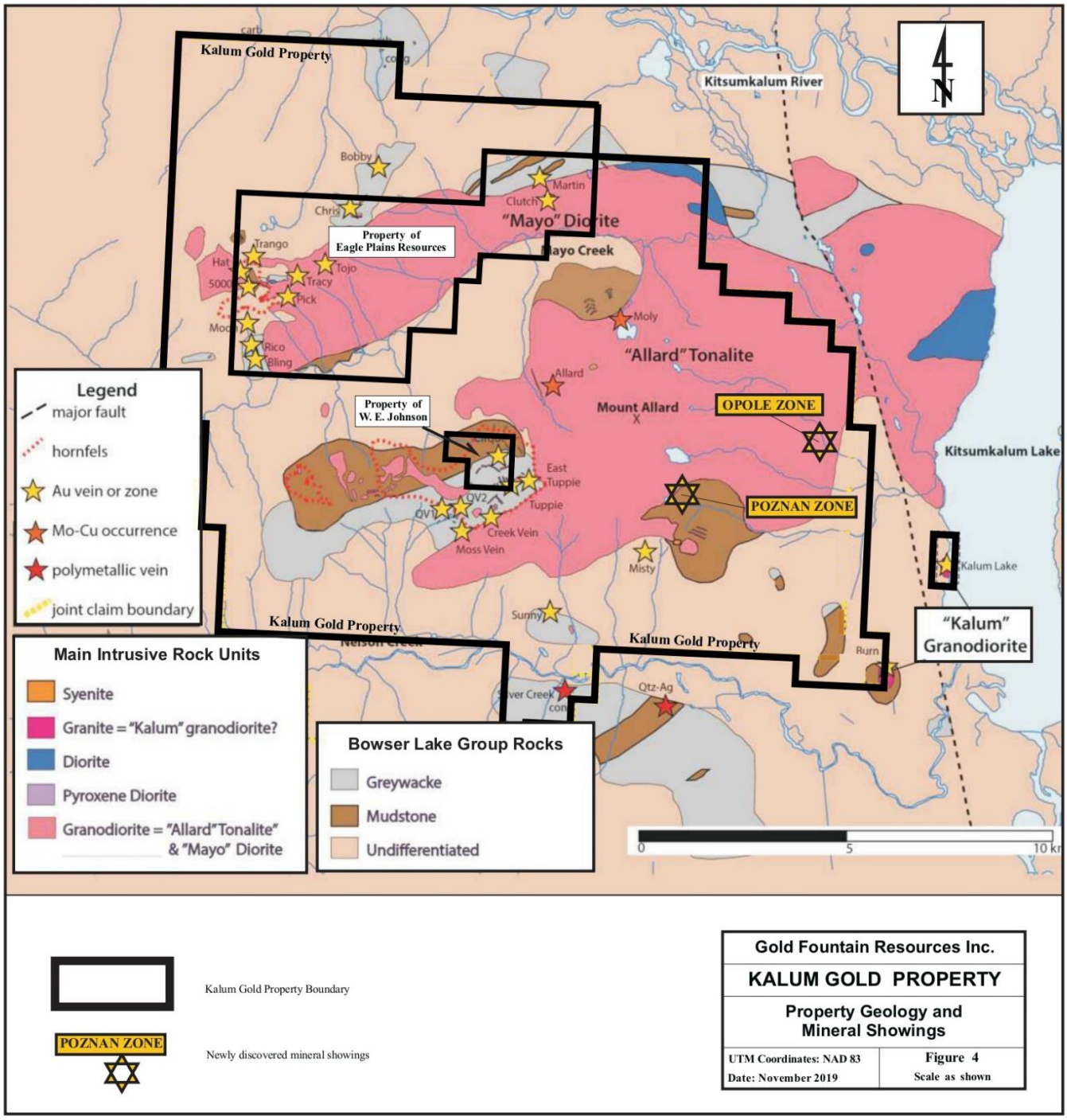
The faults measured in the field are dominated by an NNE-striking set with moderate to vertical dips and have a stereonet maxima at 026°/84° E. These faults cut all other geological features on the property and have a normal movement sense. The largest displacement observed was about 2 m. A minor set of NW-striking, steeply dipping faults, parallel to mineralized veins is also apparent. The predominance of variably dipping, NNE-striking normal faults is consistent with a late extensional event that had a vertically plunging σ 1 and horizontally plunging, ESE-directed.

Joints

Joints measured on the property fall into three major sets that have stereonet maxima at 139°/66° SW, 352°/72° E and 236°/72° NW. The first two sets have NW strikes and thus are likely to be related to the NW-striking set of shear veins. The minor NE-striking joint set corresponds with the NW-striking set of vein-dykes.

Metamorphism

A weak contact metamorphic aureole exists around the main Allard stock and is normally 100 to 300 m in width (Higgs, 2009). In most areas it is defined by limonitic fractures, weak silica alteration and disseminated pyrite, chalcopyrite and arsenopyrite. Rocks within the aureole, particularly the mudstones, have a distinctive rusty appearance. According to Eagle Plains geologists no metamorphic minerals could be identified in hand sample within the contact aureole.


Kalum Gold Property
Kitsumkalum River
N
Bobby
Martin
Clutch
Chris
"Mayo" Diorite
Property of
Eagle Plains Resources
Trango
Tojo
Tracy
Pick
Rico
Bling
Mayo Creek
Moly
"Allard" Tonalite
Allard
Mount Allard
OPOLE ZONE
Property of
W. E. Johnson
East
Tuppie
Tuppie
QV2
QV1
Creek Vein
Moss Vein
POZNAN ZONE
Misty
Sunny
Kitsumkalum Lake
Kalum Lake
"Kalum"
Granodiorite
Kalum Gold Property
Kalum Gold Property
Qtz-Ag
Legend
major fault
hornfels
Au vein or zone
Mo-Cu occurrence
polymetallic vein
joint claim boundary
Main Intrusive Rock Units
Syenite
Granite = "Kalum" granodiorite?
Diorite
Pyroxene Diorite
Granodiorite = "Allard" Tonalite"
& "Mayo" Diorite
Bowser Lake Group Rocks
Greywacke
Mudstone
Undifferentiated
0
5
10 km
Kalum Gold Property Boundary
POZNAN ZONE
Newly discovered mineral showings
Gold Fountain Resources Inc.
KALUM GOLD PROPERTY
Property Geology and
Mineral Showings
UTM Coordinates: NAD 83
Date: November 2019
Figure 4
Scale as shown

3.4 MINERALIZATION

The Kalum Gold property contains several significant mineralized zones which are shown on figure 4**. Kalum Lake (MINFILE No 103I 019) and Burn (MINFILE No 102I 211) mineralized zones are located within No Registration Reserves** (see figures 2, 4 and item 1.4 Property Description). A brief description of these zones is presented below:

Kalum Lake, MINFILE No. 103I 019

Two granodioritic stocks, about 2.25 kilometres apart, are exposed and exhibit extensive hydrothermal alteration with associated mineralization. Two steeply dipping, auriferous quartz veins, termed the #1 and #2 veins, are exposed at the main showing. The #1 vein is approximately 30 centimetres wide, strikes 037 degrees and dips 45 degrees southeast. A parallel vein (#2 vein), 150 metres southwest of the #1 vein, dips 65 degrees southeast and is exposed for about 30 metres along strike ranging in thickness from 15 to 60 centimetres. Drilling reports indicate that both the #1 and #2 veins steepen to subvertical at depth. Mineralization within these veins consists of pyrite, chalcopyrite, tetrahedrite, galena, sphalerite and occasional visible gold within a quartz gangue. A third sub-parallel vein, 10 centimetres in width, parallels the north wall and comes to within 5 centimetres of the #2 vein.

Burn, MINFILE No. 103I 211

Mineralization consists of quartz veins and stringers carrying up to 5% pyrite. Rare chalcopyrite and galena were observed in more intensely silicified rocks. Better grades of mineralization encountered in drilling were always associated with a significant increase in pyrite content in quartz veins and usually were associated with increased levels of lead, zinc, arsenic and rarely molybdenum. Mineralization is accompanied by alteration comprised of varying amounts of chlorite, sericite, silica and pyrite. Mineralization and the accompanying alteration are probably controlled by a series of approximately N30E oriented structures within the granodiorite which are not well defined on surface (Murton, 2008).

Misty, MINFILE No: 103 I 213

Mineralization of the Misty zone consists of quartz veins in shear structures and in quartz stringers in areas of fractured rock. Some of these veins are in the sediments and others are hosted by the intrusives. The gold bearing quartz veins range from a few centimetres to over 1.0 m in width. Two large veins, the 'Creek' and the 'Moss' veins are often wider than 1.0 metre and about 200 metres long. These larger veins contain sugary quartz with pyrite, arsenopyrite, and locally, intense limonitic staining. Gold is reported to occur as flakes, nuggets, and occasionally as dendritic masses having crystal faces. Mimetite may be present in some of the quartz veins. The Moss vein averages 1.0 metre in width, strikes west-northwest and dips moderately to the northeast. The Creek vein strikes north-northwest, dips steeply to the northeast, and varies from 1.0 to 2.5 metres in width. In 2004. Eagle Plains Resources discovered a shear-hosted, high-

grade, quartz-carbonate vein system which has a maximum width of 2.5 meters. The vein system has been interpreted as the southern extension of the Misty zone.

Tuppie – East Tuppie, MINFILE No: 103 I 218 (MapPlace-2 wrongly shows this occurrence 3.5 kilometres west from its correct location)

The area features three mineralized zones of which only East Tuppie and part of Tuppie zone are located within property boundary. Cirque and part of Tuppie zone are located off the property (see figure 4). The zones are comprised of gold -silver bearing veins, breccia veins and stockwork zones which strike approximately 320 degrees and have dips to the northeast of between 50 and 80 degrees. The Tuppie zone is mostly rubble to subcrop over an area at least 100 x 40 m, with numerous laminated veins up to 0.7 m wide along with stockwork and hydrothermal breccia zones. Some areas have highly vuggy, box-work quartz, other zones display colloform and weakly crustiform quartz textures. Some samples contained >30% massive sulphide (and/or limonite after sulphide). Galena and arsenopyrite were identified in relatively unoxidized veins. The East Tuppie occurrence is comprised of breccia vein and stockwork zone up to 0.5 m wide, with a strike length that is oriented 342°/48°.

Sunny Vein

The Sunny vein occurs on the northern side of Nelson Creek where it is exposed in a road cut. The vein which is up to 0.7 m wide is laminated and brecciated and contains a moderate amount of arsenopyrite. It is hosted in interbedded greywacke and mudstone. The best grab sample results include 8.3 g/t Au and 3.8 g/t Ag, 2.1 g/t Au and 61.8 g/t Ag (Downie and Stephens, (2003).

4. ADJACENT PROPERTIES

Important showings and prospects located close to the property are described here to give an account of exploration activity in the adjacent areas as well as for the reason of better understanding the mineral potential of the property. The showings described below do not reflect in any manner on mineralization on the Kalum property.

The Bling-Rico-Hat vein system (MINFILE No 103I 225)

This important mineralized structure which is surrounded by Kalum claims (see figure 4) has been interpreted by Eagle Plains geologists to extend more than 1,500 metres from Rico vein in the south to the 5000, Upper Hat and Lower Hat showings at its northern limit. The Bling-Rico-Hat shear zone is a major, north-trending, steeply dipping to vertical structure located along a linear creek draining south into Mayo Creek. Bling vein is a coarse-grained, massive quartz vein up to 20 centimetres thick with significant pyrite and lesser galena. The nearby Rico vein is a mostly massive, coarsely crystalline vein with surrounding quartz stringers and breccia zones, with a total width of approximately 2.5 metres. The main vein of the Hat zone is exposed for 30 meters and

is up to 0.5 meters wide. The vein strikes 120 °and dips 45° to the northeast. Other groups of mineralized quartz veins occur 450 meters to the east-southeast and 1,000 meters to the northeast of this vein. At the Hat showings, numerous quartz veins and stockwork zones within diorite carry arsenopyrite, galena, chalcopyrite, sphalerite and pyrite.

Grab sampling from Bling vein yielded best assays of 6.1 and 6.8 g/t gold with very low silver values. Best sampling result from Rico vein includes a 2.5 metres interval averaging 12.0 g/t gold. Silver values are very low, mostly less than 15 grams per tonne. Veins from the Hat area have produced some of the best gold grades of the entire Kalum project including 1.0 m channel sample which returned 51.8 g/t Au, 1058 g/t Ag and 4.2% Pb; another 1.0 m long channel sample from the same vein yielded 28.5 g/t gold.

In 2004, Eagle Plains targeted the Rico vein with 5 holes totaling 414.3 metres in length. One of the holes intersected 2.5m interval averaging 33.5 g/t gold including 0.5 m interval which assayed 106.7 g/t gold (Downie and Gallagher, 2005). The 2012 exploration program consisted of 2 diamond drill holes which focused on the southern strike extension of the Bling-Rico structure at lower elevations than the 2004 drilling. Both holes intersected Bling-Rico structure but failed to intersect mineralization. Three short holes drilled in the Hat area in 2005 failed to intersect any significant mineralization (Downie and Gallagher, 2005).

Cirque and Upper Tuppie Zones

Cirque and part of Tuppie zone called Upper Tuppie are located within claim No. 1041116 which is completely surrounded by GFR claims. These high-grade gold-silver zones are continuation of Lower and Eastern Tuppie zones located on Gold Fountain Ground.

The Cirque zone has a number of breccia veins and stockwork zones up to 0.5 m wide, in addition to a significant number of vein dykes. The vein-dykes in this area strike between 080 and 090°, have near-vertical dips and widths between 0.1 and 1.0 m. They have varying compositions, but are mostly granodioritic near their margins, become progressively more felsic inwards and have coarse quartz dominating the centres. Some have pegmatitic textures with coarse-grained biotite. The vein-dykes are cut by the NW-striking, NE-dipping mineralized veins. The best Cirque zone result came from a grab sample collected in 2009 from brecciated quartz porphyry with 4% pyrite. The sample assayed 973 g/t Au and 502 g/t Ag (Higgs A, 2009).
Cirque zone was tested with 6 holes in 2010. All holes failed to intersect the high-grade gold-silver mineralization exposed on the surface (Gallagher, 2013).

The Upper Tuppie zone is concentrated around two main veins up to 1 m thick that are surrounded by stockwork and hydrothermal breccia. Sulphides include up to 5% galena with lesser arsenopyrite, pyrite and chalcopyrite. These veins have a minimum of 200 m strike length. The major veins and breccia zones in the Tuppie area strike about 320° and have dips to the NE of between 50 and 80°. The best results from the Upper Tuppie zone came from 2 grab samples

collected in 2004 which returned 18.0 g/t Au and 1088 g/t Ag, and 10.6 g/t Au and 12109 g/t Ag (Downie and Gallagher, 2005).

Chris Vein

At this showing, the main gold-bearing quartz vein strikes 075 degrees and dips 75 degrees north within the siltstones. The vein is 300 metres long, 0.3 to 1.34 metres wide, and up to 25 metres in vertical depth. The vein consists of alternating layers of grey-white quartz, grey host siltstone layers, and massive mineralized layers of arsenopyrite, galena, pyrite with minor chalcopyrite and sphalerite. Several chip samples across 300 metre-long vein assayed an average of 11.25 grams per tonne gold, 80.57 grams per tonne silver and 1.4 per cent lead (AR 10523). A second similar vein, 40 metres to the south, is 35 metres long and 0.16 to 0.52 metre-wide, averaging 2.09 grams per tonne gold, 8.23 grams per tonne silver and 0.1 per cent lead (Assessment Report 10523).

In 2004, Eagle Plains Resources tested the vein with six holes. The best intersection assayed 16.3 grams per tonne gold over 0.3 metre (Exploration and Mining in British Columbia 2004, page 33).

5. 2019 GEOCHEMICAL SAMPLING PROGRAM

5.1 INTRODUCTION

During the 2019 exploration program on Kalum gold property a total of 28 rock, 105 soil and 10 silt samples were collected. Exploration crew comprised of author and a field assistant stayed in Terrace motel commuting to the property by truck. For one day a Lakelse helicopter from a base in Terrace was used to sample an area located on higher elevation, northeast of the Misty zone.

Description of all samples along with their coordinates in NAD 83 are shown in Appendix I. Samples location along with Au, Ag, Pb, Zn and As results are presented on figures 5 and 6. Full geochemical results are presented in Appendix II. All samples were analyzed by BureauVeritas (former ACME Labs) - an ISO certified Laboratory in Vancouver, BC.

5.2 LABOLATORY PROCEDURES

Soils and silt samples were dried at 60°C to minimize loss of volatile elements (eg. Mercury). Next, 100 g of each sample was screened to -180 microns (-80 mesh ASTM). A portion of the screened material (0.5 g) was dissolved using modified 1:1:1 aqua regia digestion. The solution was than analysed for 36 elements with ICP-MS (inductively coupled plasma–mass spectrometry). The analytical results were then compared to prepared standards for the determination of the absolute amounts.

Rock samples were first crushed to minus 10 mesh (70 % of sample) using jaw and cone crushers. Then 250 grams of the minus 10-mesh material was pulverized to minus 200 mesh using a ring pulveriser. All samples were 15-gram spits of minus 200 mesh material in order to obtain more representative gold assays. A modified 1:1:1 aqua regia solution is added to each sample and

leached for 1 hour at greater than 95 degrees Celsius. The resulting solution was then analyzed for 36 elements by ICP-MS (inductively coupled plasma–mass spectrometry). The analytical results were then compared to prepared standards for the determination of the absolute amounts.

5.3 ROCK SAMPLING

During the program 5 grab and 23 float samples were collected. The highest gold values came from newly discovered Poznan zone (see figures 4 and 5). Five samples collected from this zone represent fragments of quartz veins with galena, pyrite, arsenopyrite and sphalerite which derive from local quartz veins. The samples assayed from 514 to 9091 ppb gold, from 3.7 to 95.3 ppm silver, from 5466 to >10,000 ppm lead and from 68.6 to 5961 ppm arsenic. Samples KA-15 to KA-17 yielded strongly anomalous zinc values of 6668 and 1020 ppm.

Samples KA-4 and KA-10 represent another newly discovered zone called Opole (see figures 4 & 5). The samples returned 1290 and 3874 ppb gold accompanied by highly anomalous arsenic of more than 10,000 ppm and elevated lead values of 134.8 and 870.9 ppm. Sample KA-4 is from very strongly silicified rock with 1-2% fine grained pyrite and 1% arsenopyrite. The sample came from 30-40 cm wide fault zone which strikes E-W and has vertical dip. Sample KA-10 was taken from angular boulder of very strongly silicified rock with 5-7% arsenopyrite. The sample was collected just 30-35 metres downstream from sample KA-4 and most likely came from the same fault zone. Samples KA-4 and 10 were collected a short distance up the creek from a strong arsenic silt anomaly detected in 2003 by Eagle Plain Resources (Downie C. 2003, AR 27417).

Sample KA-1, a float sample which represents fragment of quartz vein with 7-10% coarse pyrite and minor galena assayed 1149 ppb gold, 53.1 ppm silver, 1428.9 ppm lead, 204.5 ppm bismuth and 14.5 ppm tellurium. The sample was collected just west of Burn zone.

5.4 SOIL SAMPLING

A total of 105 soil samples were collected along semi-continuous soil line located close to the eastern edge of the property (see figure 6). The samples were collected every 50 +/- 10 metres from a depth of 20-30 cm. The soils were composed of mixed local and glacial material and with the exception of two samples no B-horizon was developed.

Soil samples did not return anomalous values in precious or base metals.

5.5 SILT SAMPLING

A total of 10 silt samples were taken. Each sample was collected from several places in active stream channel using a 25-mesh screen to collect only the small fraction of the sediment. No anomalous gold, silver or base metals values were detected in the silts. Samples KSL-1 to 4 (see figure 5) returned anomalous arsenic values ranging from 74.5 to 346.6 ppm. Several silt samples collected in the same area by Eagle Plains Resources in 2003 showed highly anomalous arsenic values of up to 1200 ppm (Downie C. 2003, AR 27417).

Rock Sample #	Coordinates (NAD 83) Easting	Northing	Au ppb	Ag ppm	Pb ppm	Zn ppm	As ppm
KA-1	511331	6064657	1149	53.1	1429	277	256.2
KA-2	511331	6064657	35.4	4.6	117.4	4	41.6
KA-3	506295	6064430	4.9	0.6	12.6	205	7.5
KA-4	510221	6068940	1290	0.9	134.8	73	>10000
KA-5	510202	6068946	25.4	0.3	6.8	68	38
KA-6	510206	6068964	4.8	0.1	4.5	68	14.8
KA-7	510206	6068977	1.3	0.2	4.9	48	3.4
KA-8	510192	6069018	2.3	0.1	2.2	14	10
KA-9	510209	6068923	2.1	<0.1	4.4	20	0.8
KA-10	510215	6068901	3874	2.6	870.9	567	>10000
KA-11	508033	6067690	0.5	0.2	12.9	112	90.1
KA-12	507956	6067736	0.9	0.1	4.1	124	43
KA-13	507635	6067625	2034	3.7	113.1	102	68.6
KA-14	507628	6067538	514.8	95.3	>10000	319	737.7
KA-15	507633	6067524	543.6	46.9	>10000	6668	5961
KA-16	507724	6067256	9092	36.3	5466	83	1119
KA-17	507758	6067405	3694	34.9	5900	1020	2402
KA-18	509640	6065200	4.8	0.2	37.7	45	15.6
KA-19	509640	6065200	10	0.5	37.8	85	25.7
KA-20	509648	6065145	0.9	0.2	29.4	72	7.6
KA-21	509648	6065145	6	1	228.8	104	32.7
KA-22	505979	6064316	123.2	0.2	15.6	41	12.6
KA-23	505979	6064316	<0.5	<0.1	5.6	47	58.1
KA-24	505065	6064405	<0.5	0.7	74.8	125	23.5
KA-25	505058	6064401	2.7	0.2	4.4	54	49.3
KA-26	505058	6064401	0.8	1.3	81.3	70	4.1
KA-27	504741	6064556	<0.5	0.2	4.9	62	10.2
KA-28	504741	6064556	<0.5	<0.1	3	29	11

Silt Sample #	Coordinates (NAD 83) Easting	Northing	Au ppb	Ag ppm	Pb ppm	Zn ppm	As ppm
KSL-1	509051	6067301	3.1	0.1	10.6	102	103.8
KSL-2	509134	6067090	4.2	1.2	31.6	239	329.9
KSL-3	509131	6066998	0.6	0.1	6.9	62	346.6
KSL-4	509168	6066897	0.9	<0.1	5.2	58	74.5
KSL-5	510935	6068529	4.6	0.2	10.8	59	43.4
KSL-6	509560	6065200	<0.5	<0.1	4.2	56	4.3
KSL-7	506920	6065152	13.6	0.3	39.3	127	160.7
KSL-8	505979	6064316	1.2	0.1	8.6	116	29.7
KSL-9	505623	6064333	0.6	<0.1	6.7	81	25
KSL-10	504647	6064556	1.3	<0.1	6.1	72	29

506,000 E
508,000 E
510,000 E
6,069,000 N
6,067,000 N
6,065,000 N

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1047549
1047550
10411121

POZNAN ZONE
OPOLE ZONE

KA-12
KA-13
KA-11
KA-14
KA-15
KA-16
KA-17
KA-8
KA-5
KA-7
KA-6
KA-4
KA-9
KA-10
KSL-5
KSL-1
KSL-2
KSL-3
KSL-4
KSL-7
KA-18
KA-19
KSL-6
KA-20
KA-21
KSL-10
KA-27
KA-28
KA-24
KA-25
KA-26
KSL-8
KSL-9
KA-3
KA-22
KA-23
KA-1
KA-2

Power Line
West Kalum Forest Service Road

LEGEND:
- Property boundary
- 1061982 — Mineral claim boundary and label
- KA-27 — Rock sample location and label
- KA-27 — Silt sample location and label

MATANGE S
COAST MOUNTAINS

To accompany report by A. Walus

Gold Fountain Resources Inc.

KALUM GOLD PROPERTY

ROCK and SILT SAMPLE LOCATION MAP
Au, Ag, Pb, Zn and As Geochemistry

UTM Coordinates: NAD 83	Figure 5
Date: November 2019	Scale 1 : 10,000

1 km

509,000 E | 510,000 E | 511,000 E | 512,000 E | 513,000 E

6,071,000 N | 6,070,000 N | 6,067,000 N | 6,065,000 N

1041141

1070403

1070404

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1061982

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1041121

KS-105 KS-102 KS-100 KS-97 KS-94 KS-91 KS-87 KS-84 KS-81 KS-78 KS-74 KS-71 KS-68 KS-67 KS-64 KS-61 KS-57 KS-54 KS-52 KS-51 KS-47 KS-44 KS-40 KS-37 KS-34 KS-30 KS-21 KS-21 KS-21 KS-20 KS-17 KS-13 KS-10 KS-7 KS-4 KS-1

Power Line

Forest Service Road

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N

Soil Sample #	Coordinates (NAD 83) Easting	Northing	Au ppb	Ag ppm	Pb ppm	Zn ppm	As ppm
KS-1	511327	6064735	1.9	0.1	11	99	8.6
KS-2	511316	6064783	1.3	0.2	12	57	8.9
KS-3	511313	6064834	0.7	0.6	10	96	5.8
KS-4	511305	6064885	1.8	0.2	12	72	6
KS-5	511338	6064963	1	0.3	10	83	7.5
KS-6	511338	6065023	0.9	0.2	12	66	7
KS-7	511344	6065075	1	0.3	10	108	4.7
KS-8	511328	6065123	<0.5	0.2	9.6	63	7.1
KS-9	511280	6065147	1.5	0.3	17	178	9.5
KS-10	511274	6065187	1	0.5	14	111	9.6
KS-11	511259	6065251	0.7	0.1	12	154	8.2
KS-12	511251	6065318	4.7	0.2	19	77	16.1
KS-13	511233	6065370	<0.5	0.2	8.2	72	5.7
KS-14	511217	6065421	4.2	0.6	15	191	8
KS-15	511200	6065476	0.6	0.7	11	63	8
KS-16	511189	6065525	0.6	0.1	10	87	5.1
KS-17	511184	6065580	0.5	0.3	36	107	19
KS-18	511186	6065633	0.7	0.3	36	146	9.3
KS-19	511173	6065684	0.8	0.6	28	136	6.1
KS-20	511185	6065740	<0.5	0.1	9.8	88	7.4
KS-21	511140	6065882	<0.5	0.4	9.7	110	5.6
KS-22	511146	6065956	1.2	0.3	9.4	55	5.6
KS-23	511141	6066006	8.6	0.1	7.5	64	5.8
KS-24	511145	6066066	<0.5	<0.1	6.7	34	3.4
KS-25	511155	6066111	1.7	0.1	11	102	3.8
KS-26	511141	6066160	<0.5	<0.1	5.9	47	4.7
KS-27	511127	6066214	<0.5	<0.1	6.5	68	4.5
KS-28	511106	6066262	1.2	<0.1	4.9	34	4
KS-29	511116	6066318	<0.5	0.1	6.2	54	5.1
KS-30	511118	6066357	1.1	<0.1	6.1	48	4.8
KS-31	511105	6066411	1.2	<0.1	7	64	5.4
KS-32	511092	6066464	<0.5	<0.1	5.5	26	5
KS-33	511091	6066512	1.6	0.1	5.2	50	4.9
KS-34	511088	6066560	<0.5	0.1	7.3	45	6
KS-35	511084	6066609	<0.5	0.1	8.6	51	5.1
KS-36	511091	6066657	0.6	<0.1	8.7	70	10.5
KS-37	511076	6066705	<0.5	0.1	8.6	42	2.5
KS-38	511056	6066751	<0.5	0.2	6.8	53	4.5
KS-39	511058	6066803	<0.5	0.3	9.5	59	5.2
KS-40	511028	6066841	<0.5	0.3	10	104	8.7
KS-41	511005	6066886	<0.5	0.2	9.3	111	5.2
KS-42	510978	6066923	<0.5	0.1	6.1	71	5.3
KS-43	510953	6066968	<0.5	0.1	8.5	53	4.7
KS-44	510917	6067004	<0.5	<0.1	4.8	37	2
KS-45	510910	6067055	<0.5	0.2	7.6	151	6.9
KS-46	510891	6067107	<0.5	0.2	9.1	27	6.9
KS-47	510920	6067244	0.8	0.2	8.3	81	10.8
KS-48	510913	6067329	<0.5	<0.1	5.2	82	23.5
KS-49	510920	6067381	<0.5	<0.1	6.3	65	5.2
KS-50	510930	6067433	<0.5	0.3	5.5	78	7
KS-51	510929	6067497	1.7	0.2	9	111	5
KS-52	510914	6067649	1.7	0.2	10	56	12.8
KS-53	510908	6067701	<0.5	0.1	7.6	66	9.1
KS-54	510908	6067746	3.7	<0.1	8.4	38	5.2
KS-55	510898	6067804	1.3	0.1	5.5	61	12.1
KS-56	510892	6067840	<0.5	0.3	6.5	65	14.1
KS-57	510879	6067886	<0.5	0.3	7.5	62	12.7
KS-58	510886	6067930	<0.5	<0.1	5.7	48	7
KS-59	510877	6067983	<0.5	0.1	10	98	12.1
KS-60	510862	6068035	<0.5	<0.1	3.5	40	6.9
KS-61	510859	6068084	<0.5	<0.1	7.9	72	10.6
KS-62	510831	6068132	2.1	0.1	6.1	68	5.4
KS-63	510802	6068183	9.2	<0.1	6	58	8.4
KS-64	510768	6068227	<0.5	0.2	6.4	71	6.8
KS-65	510760	6068311	<0.5	<0.1	6	53	7.7
KS-66	510765	6068365	<0.5	<0.1	5.6	47	5.8
KS-67	510779	6068417	<0.5	<0.1	6.9	73	6.4
KS-68	510937	6068546	0.8	0.1	7.9	51	16.4
KS-69	510921	6068593	0.5	0.2	7.2	41	16.8
KS-70	510900	6068645	<0.5	<0.1	6.7	37	11.9
KS-71	510881	6068693	5.4	0.2	9.7	64	23.4
KS-72	510870	6068736	2.2	0.2	7.3	57	12.3
KS-73	510887	6068784	4	0.3	8.4	56	13
KS-74	510880	6068837	1.2	<0.1	7.5	55	15.9
KS-75	510877	6068890	1.7	0.1	7.8	92	17.6
KS-76	510870	6068943	0.8	0.1	11	82	18.5
KS-77	510870	6068996	1.3	0.1	8.4	55	24
KS-78	510868	6069047	<0.5	0.2	8.1	106	12
KS-79	510854	6069099	3.2	<0.1	5.1	35	2
KS-80	510846	6069149	<0.5	<0.1	6.6	61	5.2
KS-81	510829	6069200	<0.5	<0.1	4.8	53	5.4
KS-82	510794	6069233	<0.5	<0.1	5.4	48	6.1
KS-83	510765	6069278	<0.5	<0.1	3.7	22	<0.5
KS-84	510730	6069324	<0.5	0.2	6	69	6.6
KS-85	510699	6069361	1.9	0.1	8.1	106	6.1
KS-86	510667	6069399	0.8	<0.1	5.8	52	12.4

Soil Sample #	Coordinates (NAD 83) Easting	Northing	Au ppb	Ag ppm	Pb ppm	Zn ppm	As ppm
KS-87	510634	6069433	<0.5	<0.1	6.7	75	14.8
KS-88	510612	6069479	0.8	0.1	5	54	9.9
KS-89	510598	6069532	<0.5	0.1	6	72	6.2
KS-90	510587	6069579	<0.5	0.2	8.5	114	6.8
KS-91	510563	6069628	<0.5	<0.1	7	102	6.3
KS-92	510562	6069681	0.6	<0.1	9	94	11.5
KS-93	510541	6069728	1.1	0.2	7.8	75	8.1
KS-94	510527	6069774	0.7	<0.1	6.8	96	6.3
KS-95	510506	6069812	0.6	0.2	8.5	101	6.9
KS-96	510479	6069855	<0.5	0.1	7.5	77	6.9
KS-97	510487	6069907	1.1	<0.1	6.8	79	5.4
KS-98	510490	6069964	<0.5	0.3	10	98	7.4
KS-99	510501	6070018	<0.5	0.1	6.6	103	6
KS-100	510493	6070071	<0.5	0.2	9.9	85	5.2
KS-101	510470	6070118	1.2	0.2	7.7	100	7.1
KS-102	510436	6070140	<0.5	<0.1	5.8	57	4.7
KS-103	510400	6070184	4.1	<0.1	8	81	8.4
KS-104	510366	6070218	0.9	0.3	7.2	138	6.3
KS-105	510332	6070251	1.1	<0.1	8.4	121	14.5

To accompany report by A. Walus

LEGEND:

- Property boundary
- 1061982 — Mineral claim boundary and label
- KS-74 — Soil sample location and label

1 km

Gold Fountain Resources Inc.

KALUM GOLD PROPERTY

SOIL SAMPLE LOCATION MAP
Au, Ag, Pb, Zn and As Geochemistry

UTM Coordinates: NAD 83

Date: November 2019

Figure 6

Scale 1 : 10,000

6. INTERPRETATION AND CONCLUSIONS

Mineral exploration in the area covered by Kalum Gold claims has discovered numerous gold+/-silver bearing quartz veins and stockwork zones. There is now enough geological information to clearly recognize that a large, intrusive-related gold system with a spatial and genetic connection to the Mount Allard pluton exist on the property.

There are two styles of gold mineralization on the Kalum property – high grade gold bearing quartz veins and low grade, bulk tonnage gold zones (Lefebure, 2016). Almost all exploration conducted over the past hundred years has focused on finding the former which led to the discovery of several prospective mineralized zones including the Kalum Lake, Misty, Tuppie and Sunny zones. It has proven challenging to follow some of these veins at depth which is not uncommon with high grade gold veins. At this point, only the Kalum Lake No. 1 and No. 2 veins have been sufficiently tested by drilling. All the other high-grade gold veins have been tested with too few drill holes to properly assess their potential. Limited drilling has been coupled in many cases with an incomplete knowledge of the structural setting of the veins. More exploration is needed to fully assess the economic potential of these veins.

The potential to find lower grade, bulk minable gold deposits in the Mount Allard area was first identified by Eagle Plains geologists. Their work identified Burn and Tuppie zones with potential for this mineralization style. The 2008 drilling on Burn zone intersected broad zones of mineralization of over 500 ppb gold over ten or more metres hosted by altered granodiorite, including some intersections approaching 1 gram per tonne.

The Bling-Rico-Hat vein system is located off the property boundary (see figure 4) but since it was defined as a major structure it has the potential to project into Kalum property. The Bling-Rico-Hat vein system has been traced for 1500 meres. It has the same general orientation as the only major fault identified by Eagle Plains in the Mount Allard area. The coincidence of en-echelon vein array and mineralized faults indicates that this area has significant potential to host high-grade, economic gold mineralization.

The 2019 exploration program conducted by Gold Fountain Resources confirmed the existence of very strong arsenic silt anomaly detected in 2003 by Eagle Plains Resources (see figure 5). The 2003 silt samples returned the strongest arsenic silt anomaly in the Mount Allard area with 3 samples assaying between 200 and 450 ppm and 3 samples between 450 and 1200 ppm arsenic (Downie C. 2003, AR 27417). Four silt samples collected in the same area in 2019 returned lower but still highly anomalous arsenic values of between 74.5 to 346.6 ppm.

The 2019 soil sampling did not detect any anomalous precious or base metals values, this however may be due to a thick overburden which masks any potential residual anomaly.

During the 2019 program two new mineralized zones called Poznan and Opole (see figures 4 and 5) were found. Poznan zone is represented by samples KA-13 to 17 comprised of quartz veins

fragments with galena, pyrite, sphalerite and arsenopyrite which derive from local quartz veins. The samples assayed from 514 to 9091 ppb gold accompanied by strongly anomalous silver, lead and arsenic values. The existence of gold-arsenic bearing veins in this area would explain arsenic silt anomaly (103.8 ppm) in a large creek from which silt sample KSL-1 was taken. It would not however explain even stronger arsenic silt anomalies (330 and 348.6 ppm) in two creeks located south of sample KSL-1 (samples KSL - 2 & 3 on figure 5). This strongly suggests the existence of another gold-arsenic bearing zone located directly SW from Poznan zone. This area should be the highest priority target in the future exploration program as it likely constitutes the northeast extension of a strong gold-arsenic soil anomaly (traced for more than 1.0 km) which shows strong correlation with gold mineralization of the Misty zone.

Second new zone called Opole defined by samples KA-4 and 10 was discovered a short distance up the creek from arsenic silt anomaly detected in 2003 by Eagle Plains resources. The samples which returned 1290 and 3874 ppb gold accompanied by highly anomalous arsenic of more than 10,000 ppm are associated with 30-40 cm wide fault zone.

7. RECOMMENDATIONS

For the next exploration program, the following work is recommended:

4. Rock and soil sampling in the headwaters of creeks with very strong arsenic silt anomaly detected in 2003 by Eagle Plains Resources to locate the source of this anomaly.
5. Detailed, systematic sampling of Tuppie zones with the aim of evaluating their economic potential.
6. Looking for the possible extensions of Bling-Rico-Hat vein system.

Ten days of work by a team comprised of geologist and field assistant should be sufficient to complete this program. The cost of the program is estimated at $35,000 which include the use of helicopter for 5-6 days.

8. REFERENCES

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9. CERTIFICATE OF AUTHOR'S QUALIFICATIONS

I, Alojzy Walus, residing at 8577 165 Street in Surrey, BC, hereby certify that:

1. I received a Master of Science degree in Geology from the University of Wroclaw, Poland in 1985.

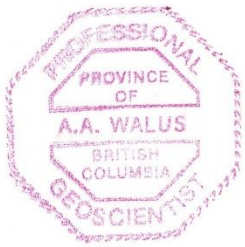
2. I have been practicing my profession continuously since graduation.

3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia.

4. I am a consulting geologist working on behalf of Gold Fountain Resources.

5. This report is based on my 2019 field work as well as historical reports from this area.

6. I am familiar with this type of deposit having conducted exploration programs on similar mineral occurrences in the Terrace and Stewart regions.



Date: November 25, 2019

Alojzy Walus, P. Geo.

10. COPY OF THE CONFIRMATION PAGE FOR EVENT # 5762135

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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: GOLD FOUNTAIN RESOURCES INC. (282410)
Submitter: GOLD FOUNTAIN RESOURCES INC. (282410)
Recorded: 2019/NOV/04
Effective: 2019/NOV/04
D/E Date: 2019/NOV/04

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: **5762135**

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

Work Start Date: 2019/MAY/30
Work Stop Date: 2019/JUN/11
Total Value of Work: $ 30436.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	Applied Work Value	Sub-mission Fee
1041110	SILVER	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	18.68	$ 245.68	$ 0.00
1041118	GFR04	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	447.57	$ 5887.54	$ 0.00
1041121	MISTY	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	111.98	$ 1473.00	$ 0.00
1041122	MISTY	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	112.06	$ 1474.11	$ 0.00
1041125	SILVER	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	37.34	$ 491.24	$ 0.00
1041129	GFR28	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	111.96	$ 1472.81	$ 0.00
1041130	GFR08	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	37.31	$ 490.84	$ 0.00
1041131	GFR29	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	410.71	$ 5402.62	$ 0.00
1041133		2016/JAN/09	2020/AUG/28	2021/AUG/28	365	111.98	$ 1473.05	$ 0.00
1041134	GFR30	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	37.32	$ 490.86	$ 0.00
1041135	MG	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	56.03	$ 736.98	$ 0.00
1047551	GFR18	2016/NOV/01	2020/AUG/28	2021/AUG/28	365	18.67	$ 186.66	$ 0.00
1070404	GFR026	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	727.70	$ 9572.38	$ 0.00
1070408	GFR08	2016/JAN/09	2020/AUG/28	2021/AUG/28	365	149.26	$ 1963.36	$ 0.00

Financial Summary:

Total applied work value: $ 31361.13

PAC name: Gold Fountain Resources Inc.
Debited PAC amount: $ 925.13
Credited PAC amount: $ 0

Total Submission Fees: $ 0.0

Total Paid: **$ 0.0**

Please print this page for your records.

11. STATEMENT OF EXPENDITURES

ITEM	Quantity	Units	Rate	Subtotal	Totals
Field Personnel					**11,550**
Alex Walus - geologist	11	days @	$700	7,700	
Dates worked: June 01 to 11					
Arseniy Dolynnyy – field assistant	11	days @	$350	3,850	
Dates worked: June 01 to 11					
Transportation					**3,814**
Truck kilometres	3490	kilometres@	50 cents per km	1,745	
Lakelse A-Star helicopter from	1.0	hours @	$2,069	2,069	
base in Terrace on June 08					
Accommodation & Food					**2,865**
Hotel	13	nights @	$105	1,365	
Meals	30	man/days @	$50	1,500	
Equipment Rental					**450**
Satellite phone				450	
Assay Costs					**3,607**
Rock samples	28	samples @	$31.9	893	
Soil samples	105	samples@	$23.6	2,478	
Silt samples	10	samples@	$23.6	236	
Office Studies					**8,450**
General research, Alex Walus	5	days @	$700.00	3,500	
Report preparation, Alex Walus	5		$700.00	3,500	
Drafting				1450	
			Grand Total		**30,736**

APPENDIX I

ROCK, SOIL AND SILT SAMPLES DESCRIPTION

Rock	Coordinates (NAD 83)		Sample	Description
Sample #	Easting	Northing	type	
KA-1	511331	6064657	float	Angular boulder 10x5 cm in size of quartz vein fragment with 7-10% coarse pyrite and minor galena.
KA-2	511331	6064657	float	Possibly suboutcrop; small angular fragment of rusty quartz with microfracures filled with limonite.
KA-3	506295	6064340	float	Angular boulder 10 cm across of quartz vein fragment with minor pyrite and trace chalcopyrite (?).
KA-4	510221	6068940	grab	Suboutcrop, angular rock fragment of light gray very strongly silicified rock withn 1-2% fine grained
				pyrite and <1% arsenopyrite. The rock came from 30-40 cm wide fault zone with E-W orientation
				and nearly vertical dip.
KA-5	510202	6068946	grab	Suboutcrop, angular block 30x30 cm in size of very strongly silicified rock with 2-3% disseminated pyrite
				and pyrrhotite.
KA-6	510206	6068964	grab	Strongly silicified lesser chloritizied andesite with 2-3% pyrite and pyrrhotite.
KA-7	510206	6068977	grab	Strongly silicified andesitic (?) rock with 1-2% pyrite.
KA-8	510192	6069018	grab	0.5 m long quartz lens with trace to minor pyrite .
KA-9	510209	6068923	float	Angular boulder 7x5 cm in size of very strongly silicified rock with 0.5-1.0% of extremely fine grained
				disseminated specularite ?
KA-10	510215	6068901	float	Angular boulder 20x10x7 cm in size of very strongly silicified rock with 5-7% arsenopyrite.
KA-11	508033	6067690	float	Angular boulder 40x30 cm in size of very rusty black mudstone with 1-2% disseminated pyrite.
KA-12	507956	6067736	float	Rusty angular boulder 80x60 cm in size of aphanitic andesite with 2-3% dsisseminated pyrrhotite.
KA-13	507635	6067625	float	Small angular fragment of 1.5-2.0 cm wide quartz vein with minor limonite.
KA-14	507628	6067538	float	Angular fist size fragment od quartz vein with <1% galena plus minor limonite and scorodite.
KA-15	507633	6067524	float	Angular boulder 15x10x5 cm in size, fragment of quartz vein with 2-3% of combined galena, sphalerite
				and pyrite.
KA-16	507724	6067256	float	Angular fist size fragment of quartz vein with < 1% galena.
KA-17	507758	6067405	float	Angular small fragment of quartz vein with < 1% galena and minor scorodite (?) stain.
KA-18	509640	6065200	float	Fragment of strongly limonitic quartz vein 0.5 cm wide plastered on the surface of large angular boulder.
KA-19	509640	6065200	float	Angular boulder 0.6x0.5x0.4 m in size of strongly silicified rock cut by quartz stockwork with blackish
				carbonaceous material and minor pyrite.
KA-20	509648	6065145	float	Angular fragment of strongly limonitic quartz vein 10x5 cm in size.
KA-21	509648	6065145	float	Angular boulder 40x30 cm in size of completely sericite altered rock, locally up to 3% disseminated pyrite
				and minor galena.
KA-22	505979	6064316	float	Small angular boulder of strongly limonitic quartz cemented breccia.
KA-23	505979	6064316	float	Small angular boulder of siltstone cut by 2-3 mm wide veinlets of gray quartz.
KA-24	505065	6064405	float	Angular boulder 15x10 cm in size of quartz cemented breccia, trace pyrite.

Rock	Coordinates (NAD 83)		Sample	Description
Sample #	Easting	Northing	type	
KA-25	505058	6064401	float	Angular boulder 10 cm across of vuggy, quartz cemented breccia.
KA-26	505058	6064401	float	Angular fist size boulder of strongly silicified rock cut by quartz stockwork, minor pyrite.
KA-27	504741	6064556	float	Large (0.6x0.5 m) semiangular boulder of breciated, silicified rock, locally strong limonite.
KA-28	504741	6064556	float	Small fragment of quartz vein with some extremely fine grained disseminated sulphides.

Soil Sample #	Coordinates (NAD 83)		Sample	Colour	Sample description
	Easting	Northing	depth		
KS-1	511327	6064735	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-2	511316	6064783	20-30 cm	reddish	B-horizon, mixture of sand, silt, clay and few small pebbles.
KS-3	511313	6064834	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-4	511305	6064885	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-5	511338	6064963	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-6	511338	6065023	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-7	511344	6065075	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-8	511328	6065123	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-9	511280	6065147	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-10	511274	6065187	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-11	511259	6065251	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-12	511251	6065318	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-13	511233	6065370	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-14	511217	6065421	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-15	511200	6065476	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-16	511189	6065525	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-17	511184	6065580	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-18	511186	6065633	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-19	511173	6065684	20-30 cm	dark-brown	Heavy clay, abundant rounded pebbles
KS-20	511185	6065740	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-21	511140	6065882	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-22	511146	6065956	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-23	511141	6066006	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-24	511145	6066066	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-25	511155	6066111	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-26	511141	6066160	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-27	511127	6066214	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-28	511106	6066262	20-30 cm	gray	Mostly sand with some clays
KS-29	511116	6066318	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-30	511118	6066357	20-30 cm	reddish-orange	Mixture of sand, silt, clay and few small pebbles.
KS-31	511105	6066411	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-32	511092	6066464	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.

Soil Sample #	Coordinates (NAD 83)		Sample	Colour	Sample description
	Easting	Northing	depth		
KS-33	511091	6066512	20-30 cm	yellow-brown	Mixture of sand, silt, clay and few small pebbles.
KS-34	511088	6066560	20-30 cm	orange	B-horizon, mixture of sand, silt, clay and few small pebbles.
KS-35	511084	6066609	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-36	511091	6066657	20-30 cm	intensely red	Mixture of sand, silt, clay and few small pebbles.
KS-37	511076	6066705	20-30 cm	brown	Heavy clay, abundant rounded pebbles
KS-38	511056	6066751	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-39	511058	6066803	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-40	511028	6066841	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-41	511005	6066886	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-42	510978	6066923	20-30 cm	intensely red	Mixture of sand, silt, clay and few small pebbles.
KS-43	510953	6066968	20-30 cm	orange	Mixture of sand, silt, clay and few small pebbles.
KS-44	510917	6067004	20-30 cm	gray	Mostly sand
KS-45	510910	6067055	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-46	510891	6067107	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-47	510920	6067244	20-30 cm	brown	Abundant rock fragments with silt and clays.
KS-48	510913	6067329	20-30 cm	brown	Abundant rock fragments with silt and clays.
KS-49	510920	6067381	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-50	510930	6067433	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-51	510929	6067497	20-30 cm	brown	Heavy clay, abundant rounded pebbles
KS-52	510914	6067649	20-30 cm	brown	Swamp, very wet sample, abundant organic mater.
KS-53	510908	6067701	20-30 cm	brown	Swamp, very wet sample, abundant organic mater.
KS-54	510908	6067746	20-30 cm	orange	Mixture of sand, silt, clay and few small pebbles.
KS-55	510898	6067804	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-56	510892	6067840	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-57	510879	6067886	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-58	510886	6067930	20-30 cm	dark-brown	Heavy clay, abundant rounded pebbles
KS-59	510877	6067983	20-30 cm	brown	Heavy clay, abundant rounded pebbles
KS-60	510862	6068035	20-30 cm	gray-brown	Mixture of sand, silt, clay and few small pebbles.
KS-61	510859	6068084	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-62	510831	6068132	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-63	510802	6068183	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.

Soil Sample #	Coordinates (NAD 83)		Sample	Colour	Sample description
	Easting	Northing	depth		
KS-64	510768	6068227	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-65	510760	6068311	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-66	510765	6068365	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-67	510779	6068417	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-68	510937	6068546	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-69	510921	6068593	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-70	510900	6068645	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-71	510881	6068693	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-72	510870	6068736	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-73	510887	6068784	20-30 cm	brown-yellow	Abundant clays
KS-74	510880	6068837	20-30 cm	reddish-brown	Mixture of sand, silt, clay and few small pebbles.
KS-75	510877	6068890	20-30 cm	reddish-brown	Mixture of sand, silt, clay and few small pebbles.
KS-76	510870	6068943	20-30 cm	reddish-brown	Mixture of sand, silt, clay and few small pebbles.
KS-77	510870	6068996	20-30 cm	reddish-brown	Mixture of sand, silt, clay and few small pebbles.
KS-78	510868	6069047	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-79	510854	6069099	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-80	510846	6069149	20-30 cm	brown-yellow	Abundant clays
KS-81	510829	6069200	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-82	510794	6069233	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-83	510765	6069278	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-84	510730	6069324	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-85	510699	6069361	20-30 cm	reddish-brown	Mixture of sand, silt, clay and few small pebbles.
KS-86	510667	6069399	20-30 cm	dark-brown	Heavy clay, abundant rounded pebbles
KS-87	510634	6069433	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-88	510612	6069479	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-89	510598	6069532	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-90	510587	6069579	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-91	510563	6069628	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-92	510562	6069681	20-30 cm	dark-brown	Abundant clays and rounded pebles.
KS-93	510541	6069728	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-94	510527	6069774	20-30 cm	pale red	Mixture of sand, silt, clay and few small pebbles.
KS-95	510506	6069812	20-30 cm	intensely red	Mixture of sand, silt, clay and few small pebbles.

Soil Sample #	Coordinates (NAD 83)		Sample	Colour	Sample description
	Easting	Northing	depth		
KS-96	510479	6069855	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-97	510487	6069907	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-98	510490	6069964	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-99	510501	6070018	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-100	510493	6070071	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-101	510470	6070118	20-30 cm	intensely red	Mixture of sand, silt, clay and few small pebbles.
KS-102	510436	6070140	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-103	510400	6070184	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-104	510366	6070218	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.
KS-105	510332	6070251	20-30 cm	reddish	Mixture of sand, silt, clay and few small pebbles.

Silt Sample #	Coordinates (NAD 83)		Sample description
	Easting	Northing	
KSL-1	509051	6067301	Sample from stream active channel
KSL-2	509134	6067090	Sample from stream active channel
KSL-3	509131	6066998	Sample from stream active channel
KSL-4	509168	6066897	Sample from stream active channel
KSL-5	510935	6068529	Sample from stream active channel
KSL-6	509529	6065102	Sample from stream active channel
KSL-7	506920	6065152	Sample from stream active channel
KSL-8	505979	6064316	Sample from stream active channel
KSL-9	505623	6064333	Sample from stream active channel
KSL-10	504617	6064556	Sample from stream active channel

APPENDIX II

ASSAY RESULTS

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Submitted By: Alex Walus
Receiving Lab: Canada-Vancouver
Received: June 28, 2019
Report Date: July 13, 2019
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN19001665.1

CLIENT JOB INFORMATION

Project: Kalum
Shipment ID:
P.O. Number
Number of Samples: 28

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	28	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	28	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

ADDITIONAL COMMENTS

Invoice To: Golden Fountain Resource
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7
Canada

CC: Taylor Wu

GEORGE ARCALA
Instrumentation Shift Supervisor

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 13, 2019

CERTIFICATE OF ANALYSIS VAN19001665.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001	
KA-1	Rock	0.52	0.2	12.0	1428.9	277	53.1	6.1	12.9	33	5.49	256.2	1148.9	1.0	6	11.5	49.2	204.5	1	<0.01	0.003	
KA-2	Rock	0.21	0.5	7.9	117.4	4	4.6	3.7	5.2	443	1.75	41.6	35.4	0.2	1	0.1	3.7	25.6	2	<0.01	0.002	
KA-3	Rock	0.58	1.0	103.5	12.6	205	0.6	50.7	20.3	642	5.55	7.5	4.9	0.5	2	2.2	3.3	0.9	48	0.05	0.025	
KA-4	Rock	0.58	0.6	14.4	134.8	73	0.9	1.4	7.3	269	2.59	>10000	1289.9	0.7	23	0.4	98.5	0.2	6	1.45	0.040	
KA-5	Rock	0.50	2.0	179.7	6.8	68	0.3	2.3	26.9	460	5.55	38.0	25.4	3.0	69	0.1	0.4	0.4	90	1.35	0.198	
KA-6	Rock	0.53	0.6	80.9	4.5	68	0.1	1.3	12.8	363	3.23	14.8	4.8	2.5	101	0.2	0.3	0.1	50	1.49	0.207	
KA-7	Rock	0.48	1.4	171.3	4.9	48	0.2	3.2	16.5	356	3.96	3.4	1.3	2.4	112	0.2	0.3	0.1	57	1.57	0.209	
KA-8	Rock	0.48	0.3	100.5	2.2	14	0.1	1.0	6.5	154	1.29	10.0	2.3	0.5	8	<0.1	0.1	<0.1	12	0.22	0.036	
KA-9	Rock	0.20	2.7	1.5	4.4	20	<0.1	5.8	1.7	228	0.93	0.8	2.1	2.6	81	<0.1	<0.1	<0.1	22	1.09	0.059	
KA-10	Rock	0.71	0.6	11.1	870.9	567	2.6	0.7	6.0	181	5.16	>10000	3873.9	0.9	17	2.2	426.8	0.6	4	0.87	0.043	
KA-11	Rock	0.33	2.3	60.5	12.9	112	0.2	93.6	20.7	472	4.27	90.1	0.5	5.0	11	0.2	2.4	0.3	80	0.16	0.083	
KA-12	Rock	0.58	0.9	29.7	4.1	124	0.1	47.6	15.7	700	4.37	43.0	0.9	4.1	12	0.1	0.5	0.1	30	0.04	0.018	
KA-13	Rock	0.18	0.4	20.3	113.1	102	3.7	1.1	1.9	255	1.32	68.6	2034.1	0.1	2	0.2	3.8	0.2	4	0.01	0.004	
KA-14	Rock	0.47	0.8	189.8	>10000	319	95.3	0.7	0.5	64	1.21	737.7	514.8	0.2	15	5.1	76.0	0.9	3	0.02	0.013	
KA-15	Rock	0.42	0.4	115.9	>10000	6668	46.9	2.2	14.6	1774	3.46	5961.1	543.6	0.5	309	161.8	47.7	1.2	9	4.92	0.024	
KA-16	Rock	0.52	0.7	97.5	5466.4	83	36.3	0.5	0.2	45	0.89	1118.5	9091.8	<0.1	8	2.2	26.9	0.3	<1	0.01	0.002	
KA-17	Rock	0.41	0.3	68.7	5900.0	1020	34.9	2.1	1.2	163	1.48	2401.7	3693.7	<0.1	2	15.1	36.7	1.5	2	0.01	0.002	
KA-18	Rock	0.26	0.4	6.3	37.7	45	0.2	30.5	5.3	423	1.80	15.6	4.8	0.5	8	0.1	1.3	<0.1	4	0.06	0.016	
KA-19	Rock	0.45	0.9	135.0	37.8	85	0.5	14.0	22.5	2863	7.40	25.7	10.0	2.3	279	0.3	1.8	<0.1	58	6.26	0.258	
KA-20	Rock	0.42	0.7	58.1	29.4	72	0.2	14.0	8.4	744	2.47	7.6	0.9	0.7	29	0.4	0.8	<0.1	21	0.42	0.094	
KA-21	Rock	0.38	0.5	233.4	228.8	104	1.0	25.7	38.5	2720	9.05	32.7	6.0	3.2	339	0.3	2.3	0.8	86	6.61	0.621	
KA-22	Rock	0.43	0.6	2.6	15.6	41	0.2	4.0	1.4	253	1.26	12.6	123.2	0.3	4	0.1	0.3	<0.1	4	0.05	0.009	
KA-23	Rock	0.24	0.6	2.0	5.6	47	<0.1	39.0	12.1	292	2.61	58.1	<0.5	2.1	24	0.1	0.5	<0.1	20	0.24	0.036	
KA-24	Rock	0.62	0.4	38.1	74.8	125	0.7	4.5	3.7	217	1.29	23.5	<0.5	0.3	5	0.4	0.2	1.2	11	0.05	0.015	
KA-25	Rock	0.59	0.8	11.0	4.4	54	0.2	6.9	5.2	841	4.29	49.3	2.7	0.5	9	0.1	0.3	<0.1	33	0.10	0.035	
KA-26	Rock	0.33	0.2	7.7	81.3	70	1.3	1.8	1.7	134	0.67	4.1	0.8	<0.1	3	<0.1	<0.1	2.7	5	0.02	0.006	
KA-27	Rock	0.34	0.4	51.0	4.9	62	0.2	8.5	4.8	362	2.66	10.2	<0.5	0.1	72	0.1	0.3	<0.1	22	0.94	0.005	
KA-28	Rock	0.09	0.5	14.0	3.0	29	<0.1	3.7	7.5	278	1.50	11.0	<0.5	<0.1	8	<0.1	0.2	<0.1	9	0.03	0.006	

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 13, 2019

CERTIFICATE OF ANALYSIS VAN19001665.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
KA-1	Rock	<1	3	<0.01	9	<0.001	1	0.02	0.004	0.01	<0.1	0.07	0.1	<0.1	5.69	<1	2.0	14.5	
KA-2	Rock	<1	4	<0.01	8	<0.001	2	0.05	0.003	0.02	<0.1	<0.01	0.2	<0.1	0.92	<1	<0.5	1.8	
KA-3	Rock	<1	28	0.95	6	0.004	<1	2.45	0.004	<0.01	<0.1	<0.01	5.4	<0.1	0.27	7	5.4	<0.2	
KA-4	Rock	3	3	0.07	26	<0.001	<1	0.38	0.004	0.17	<0.1	0.02	0.5	<0.1	1.31	<1	3.0	<0.2	
KA-5	Rock	10	2	1.17	96	0.244	2	2.48	0.160	0.17	0.2	<0.01	4.4	<0.1	1.86	10	1.2	1.0	
KA-6	Rock	9	1	0.52	149	0.176	2	2.05	0.219	0.11	0.3	<0.01	1.2	<0.1	0.69	6	<0.5	<0.2	
KA-7	Rock	9	2	0.61	181	0.184	3	2.32	0.230	0.10	0.2	<0.01	1.6	<0.1	1.08	6	<0.5	0.3	
KA-8	Rock	2	3	0.13	23	0.032	<1	0.39	0.026	0.07	0.2	<0.01	0.5	<0.1	0.21	2	<0.5	<0.2	
KA-9	Rock	13	7	0.29	243	0.066	<1	1.30	0.179	0.12	0.3	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2	
KA-10	Rock	3	3	0.06	32	<0.001	2	0.41	0.002	0.21	<0.1	0.08	0.4	<0.1	2.57	<1	9.7	1.2	
KA-11	Rock	8	81	1.62	102	0.025	<1	2.34	0.038	0.29	<0.1	<0.01	2.9	0.1	1.55	6	2.2	<0.2	
KA-12	Rock	2	21	1.15	76	<0.001	1	2.15	0.036	0.26	<0.1	<0.01	2.4	<0.1	1.00	5	1.1	<0.2	
KA-13	Rock	3	5	0.06	25	<0.001	<1	0.25	0.004	0.07	<0.1	0.25	0.3	<0.1	<0.05	<1	<0.5	<0.2	
KA-14	Rock	<1	4	0.03	21	0.001	<1	0.17	0.007	0.07	<0.1	0.29	0.4	<0.1	0.31	<1	6.8	0.2	
KA-15	Rock	4	3	0.64	35	<0.001	1	0.65	0.003	0.10	0.1	0.44	1.7	0.2	1.32	1	7.1	1.3	
KA-16	Rock	<1	4	<0.01	3	<0.001	2	0.02	0.004	<0.01	5.6	0.14	<0.1	<0.1	0.12	<1	2.0	0.7	
KA-17	Rock	<1	4	<0.01	8	<0.001	<1	0.06	0.003	0.02	<0.1	0.17	0.3	<0.1	0.20	<1	2.9	0.2	
KA-18	Rock	2	7	0.04	46	<0.001	<1	0.23	0.022	0.07	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2	
KA-19	Rock	8	<1	2.45	169	0.001	2	0.64	0.067	0.20	<0.1	<0.01	4.6	<0.1	0.19	1	<0.5	<0.2	
KA-20	Rock	4	4	0.12	32	<0.001	1	0.24	0.027	0.04	<0.1	<0.01	3.0	<0.1	<0.05	<1	<0.5	<0.2	
KA-21	Rock	12	<1	2.85	186	0.003	1	0.94	0.104	0.24	<0.1	<0.01	12.4	<0.1	0.40	2	2.3	<0.2	
KA-22	Rock	2	6	0.03	28	<0.001	2	0.12	0.004	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	
KA-23	Rock	1	32	0.62	79	<0.001	<1	1.54	0.008	0.09	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2	
KA-24	Rock	3	7	0.23	22	0.001	<1	0.54	0.009	0.08	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2	
KA-25	Rock	4	8	1.43	26	0.007	1	1.97	0.005	0.01	0.4	<0.01	4.1	<0.1	<0.05	5	<0.5	<0.2	
KA-26	Rock	1	4	0.10	12	0.001	1	0.26	0.014	0.04	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	
KA-27	Rock	<1	6	0.57	15	0.009	<1	2.06	0.169	0.01	<0.1	<0.01	3.0	<0.1	0.05	6	<0.5	<0.2	
KA-28	Rock	<1	5	0.30	7	0.003	<1	0.59	0.006	<0.01	<0.1	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2	

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Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 13, 2019

QUALITY CONTROL REPORT VAN19001665.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001	
Pulp Duplicates																						
KA-11	Rock	0.33	2.3	60.5	12.9	112	0.2	93.6	20.7	472	4.27	90.1	0.5	5.0	11	0.2	2.4	0.3	80	0.16	0.083	
REP KA-11	QC		2.2	61.7	12.4	121	0.2	96.4	19.5	467	4.21	89.3	1.1	4.8	10	0.2	2.4	0.4	80	0.15	0.079	
Reference Materials																						
STD DS11	Standard		13.6	148.2	139.1	339	1.7	74.1	13.4	1016	3.10	45.2	122.5	8.2	63	2.2	9.3	12.6	46	1.03	0.069	
STD OREAS262	Standard		0.7	111.4	57.1	146	0.4	61.0	26.6	532	3.21	39.8	77.4	9.0	36	0.7	5.7	1.0	20	2.87	0.038	
STD DS11 Expected			14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	
BLK	Blank		<0.1	<0.1	0.3	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.001	
Prep Wash																						
ROCK-VAN	Prep Blank		1.1	4.1	0.7	28	<0.1	1.1	3.6	521	1.84	0.7	2.5	2.9	20	<0.1	<0.1	<0.1	22	0.58	0.039	
ROCK-VAN	Prep Blank		0.7	3.0	0.7	31	<0.1	0.7	3.1	524	1.80	<0.5	<0.5	2.5	17	<0.1	<0.1	<0.1	19	0.55	0.038	

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Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 13, 2019

QUALITY CONTROL REPORT VAN19001665.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
KA-11	Rock	8	81	1.62	102	0.025	<1	2.34	0.038	0.29	<0.1	<0.01	2.9	0.1	1.55	6	2.2	<0.2
REP KA-11	QC	8	77	1.60	102	0.025	<1	2.31	0.037	0.29	<0.1	<0.01	3.3	0.2	1.53	6	2.7	<0.2
Reference Materials																		
STD DS11	Standard	18	57	0.84	373	0.088	7	1.13	0.069	0.39	3.3	0.26	2.8	5.3	0.27	5	1.7	4.8
STD OREAS262	Standard	14	39	1.16	248	0.003	4	1.24	0.069	0.28	0.2	0.17	3.1	0.5	0.25	4	1.0	0.2
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD OREAS262 Expected		15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
ROCK-VAN	Prep Blank	5	4	0.55	64	0.060	1	0.87	0.092	0.09	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	5	4	0.48	56	0.062	<1	0.82	0.101	0.10	<0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Submitted By: Alex Walus
Receiving Lab: Canada-Vancouver
Received: June 28, 2019
Report Date: July 22, 2019
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN19001666.1

CLIENT JOB INFORMATION

Project: Kalum
Shipment ID:
P.O. Number
Number of Samples: 115

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	115	Dry at 60C			VAN
SS80	115	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	115	Save all or part of Soil Reject			VAN
AQ200	115	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Golden Fountain Resource
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7
Canada

CC: Taylor Wu

JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
KS-1	Soil	1.0	13.8	10.7	99	0.1	14.4	6.4	216	3.91	8.6	1.9	2.1	9	0.2	0.2	0.2	72	0.08	0.097	6	
KS-2	Soil	1.6	10.5	11.7	57	0.2	8.1	4.1	211	6.11	8.9	1.3	1.9	9	0.1	0.3	0.3	120	0.08	0.153	5	
KS-3	Soil	1.2	14.1	10.4	96	0.6	12.1	5.5	282	4.46	5.8	0.7	2.2	8	0.2	0.2	0.2	79	0.08	0.172	6	
KS-4	Soil	8.2	13.9	11.6	72	0.2	15.2	7.2	449	3.47	6.0	1.8	1.6	12	0.4	0.3	0.2	71	0.12	0.077	7	
KS-5	Soil	1.2	16.0	10.4	83	0.3	16.6	7.5	454	3.39	7.5	1.0	1.9	9	0.2	0.2	0.2	65	0.09	0.128	6	
KS-6	Soil	1.6	13.2	12.4	66	0.2	11.3	4.9	185	4.72	7.0	0.9	1.5	16	0.3	0.2	0.2	100	0.16	0.045	7	
KS-7	Soil	0.8	11.9	10.3	108	0.3	12.3	5.1	113	3.17	4.7	1.0	2.9	10	0.2	0.1	0.1	64	0.08	0.076	7	
KS-8	Soil	1.0	13.6	9.6	63	0.2	16.2	5.2	204	3.16	7.1	<0.5	3.2	10	<0.1	0.2	0.2	65	0.10	0.248	8	
KS-9	Soil	1.5	16.2	16.7	178	0.3	19.7	12.4	357	4.83	9.5	1.5	1.8	24	0.5	0.2	0.3	72	0.17	0.098	8	
KS-10	Soil	1.4	23.3	14.4	111	0.5	24.3	9.0	246	3.68	9.6	1.0	2.5	16	0.4	0.3	0.2	69	0.10	0.084	7	
KS-11	Soil	1.5	18.5	12.0	154	0.1	24.8	9.4	406	4.71	8.2	0.7	1.3	29	0.4	0.3	0.2	87	0.20	0.082	7	
KS-12	Soil	1.5	36.9	18.5	77	0.2	40.2	16.6	1284	4.48	16.1	4.7	0.9	32	0.3	0.4	0.3	85	0.27	0.046	9	
KS-13	Soil	1.1	7.9	8.2	72	0.2	9.1	4.0	137	3.92	5.7	<0.5	1.5	12	0.3	0.2	0.2	87	0.09	0.095	6	
KS-14	Soil	0.9	13.7	14.9	191	0.6	12.5	5.8	589	3.52	8.0	4.2	0.2	39	3.4	0.2	0.2	79	0.43	0.142	6	
KS-15	Soil	0.9	8.2	10.7	63	0.7	6.0	2.8	110	4.09	8.0	0.6	1.5	10	0.4	0.2	0.2	89	0.09	0.070	7	
KS-16	Soil	1.3	14.0	10.1	87	0.1	12.0	5.2	331	4.06	5.1	0.6	1.1	16	0.4	0.2	0.2	71	0.16	0.132	9	
KS-17	Soil	1.7	20.2	35.7	107	0.3	15.8	12.8	242	4.88	19.0	0.5	2.3	7	0.3	0.4	0.3	78	0.08	0.074	8	
KS-18	Soil	1.3	16.3	35.6	146	0.3	21.5	14.1	806	3.53	9.3	0.7	1.3	18	0.4	0.3	0.2	67	0.22	0.065	7	
KS-19	Soil	2.5	21.5	27.8	136	0.6	21.7	30.8	1010	3.68	6.1	0.8	2.1	15	0.5	0.3	0.2	76	0.19	0.125	8	
KS-20	Soil	0.9	13.5	9.8	88	0.1	16.8	7.1	231	3.51	7.4	<0.5	2.4	11	0.2	0.2	0.2	69	0.09	0.072	6	
KS-21	Soil	0.8	11.9	9.7	110	0.4	12.4	5.4	146	4.41	5.6	<0.5	2.2	11	0.3	0.2	0.2	83	0.10	0.067	5	
KS-22	Soil	0.7	10.0	9.4	55	0.3	10.2	3.9	130	3.26	5.6	1.2	2.0	11	0.2	0.2	0.1	66	0.11	0.060	5	
KS-23	Soil	0.5	11.5	7.5	64	0.1	13.0	5.1	149	2.82	5.8	8.6	1.8	15	0.4	0.1	0.1	62	0.14	0.069	6	
KS-24	Soil	0.7	7.7	6.7	34	<0.1	6.8	3.2	120	3.15	3.4	<0.5	1.5	9	0.2	0.1	0.1	79	0.07	0.057	6	
KS-25	Soil	1.1	11.5	10.9	102	0.1	5.7	3.5	199	5.33	3.8	1.7	1.6	13	0.4	0.2	0.2	124	0.15	0.119	5	
KS-26	Soil	0.8	13.4	5.9	47	<0.1	14.5	7.5	267	2.92	4.7	<0.5	2.0	14	<0.1	0.1	<0.1	61	0.13	0.091	6	
KS-27	Soil	0.7	12.9	6.5	68	<0.1	15.7	7.5	258	2.97	4.5	<0.5	1.9	12	0.1	0.2	<0.1	59	0.11	0.115	9	
KS-28	Soil	0.5	16.7	4.9	34	<0.1	13.1	6.4	350	2.42	4.0	1.2	1.8	12	<0.1	0.2	<0.1	54	0.11	0.046	7	
KS-29	Soil	0.7	12.8	6.2	54	0.1	11.5	4.8	167	3.20	5.1	<0.5	2.0	12	0.2	0.1	<0.1	67	0.10	0.065	5	
KS-30	Soil	0.7	9.1	6.1	48	<0.1	12.3	5.7	444	2.92	4.8	1.1	1.9	13	<0.1	0.2	<0.1	67	0.11	0.086	4	

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CERTIFICATE OF ANALYSIS VAN19001666.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
KS-1	Soil	24	0.25	61	0.047	<20	2.49	0.006	0.03	0.2	0.15	2.3	<0.1	<0.05	11	<0.5	<0.2
KS-2	Soil	28	0.19	52	0.050	<20	3.06	0.005	0.02	0.2	0.15	2.4	<0.1	<0.05	16	<0.5	<0.2
KS-3	Soil	27	0.23	52	0.048	<20	3.74	0.006	0.02	0.1	0.15	2.5	<0.1	<0.05	11	<0.5	<0.2
KS-4	Soil	22	0.27	67	0.056	<20	2.61	0.008	0.03	0.2	0.06	2.3	<0.1	<0.05	9	<0.5	<0.2
KS-5	Soil	24	0.28	62	0.052	<20	2.86	0.006	0.03	0.2	0.08	3.0	<0.1	<0.05	9	<0.5	<0.2
KS-6	Soil	23	0.20	69	0.061	<20	2.22	0.005	0.02	0.1	0.06	1.9	<0.1	<0.05	14	<0.5	<0.2
KS-7	Soil	27	0.19	66	0.066	<20	4.78	0.007	0.03	0.1	0.13	3.8	<0.1	<0.05	11	<0.5	<0.2
KS-8	Soil	30	0.31	61	0.067	<20	5.00	0.007	0.05	0.2	0.09	3.8	<0.1	<0.05	9	<0.5	<0.2
KS-9	Soil	28	0.37	83	0.051	<20	2.48	0.011	0.03	0.2	0.05	2.4	<0.1	<0.05	12	<0.5	<0.2
KS-10	Soil	30	0.33	62	0.069	<20	3.62	0.009	0.03	0.2	0.10	3.5	<0.1	<0.05	9	<0.5	<0.2
KS-11	Soil	35	0.45	116	0.068	<20	2.27	0.007	0.03	0.2	0.03	3.3	<0.1	<0.05	13	<0.5	<0.2
KS-12	Soil	33	0.65	110	0.052	<20	2.66	0.017	0.06	0.2	0.06	3.6	<0.1	<0.05	8	1.3	<0.2
KS-13	Soil	21	0.15	61	0.032	<20	2.37	0.005	0.02	0.1	0.04	1.7	<0.1	<0.05	12	<0.5	<0.2
KS-14	Soil	21	0.18	117	0.040	<20	1.77	0.004	0.06	0.2	0.06	1.3	<0.1	<0.05	9	<0.5	<0.2
KS-15	Soil	19	0.11	48	0.044	<20	1.79	0.005	0.02	0.1	0.07	1.5	<0.1	<0.05	12	<0.5	<0.2
KS-16	Soil	18	0.15	88	0.069	<20	1.36	0.004	0.03	<0.1	0.03	1.4	<0.1	<0.05	13	<0.5	<0.2
KS-17	Soil	26	0.16	47	0.052	<20	2.54	0.006	0.03	0.2	0.10	2.2	<0.1	<0.05	13	<0.5	<0.2
KS-18	Soil	24	0.30	90	0.060	<20	2.13	0.008	0.03	0.1	0.07	2.3	<0.1	<0.05	10	<0.5	<0.2
KS-19	Soil	33	0.25	95	0.086	<20	3.13	0.007	0.03	0.2	0.14	2.9	0.1	<0.05	13	1.2	<0.2
KS-20	Soil	23	0.28	77	0.059	<20	3.22	0.008	0.03	0.2	0.09	3.2	<0.1	<0.05	9	<0.5	<0.2
KS-21	Soil	28	0.20	63	0.072	<20	3.25	0.007	0.03	<0.1	0.09	2.4	<0.1	<0.05	10	<0.5	<0.2
KS-22	Soil	18	0.14	46	0.040	<20	1.98	0.006	0.02	0.1	0.07	1.8	<0.1	<0.05	7	<0.5	<0.2
KS-23	Soil	17	0.21	76	0.055	<20	2.64	0.009	0.02	<0.1	0.05	3.1	<0.1	<0.05	7	0.5	<0.2
KS-24	Soil	15	0.13	58	0.067	<20	2.06	0.005	0.02	<0.1	0.05	2.1	<0.1	<0.05	10	<0.5	<0.2
KS-25	Soil	21	0.14	79	0.147	<20	2.99	0.007	0.03	0.2	0.06	2.4	<0.1	<0.05	15	<0.5	<0.2
KS-26	Soil	18	0.29	76	0.055	<20	2.55	0.010	0.03	0.2	0.07	3.0	<0.1	<0.05	7	<0.5	<0.2
KS-27	Soil	18	0.30	75	0.063	<20	2.40	0.010	0.03	0.2	0.14	3.4	<0.1	<0.05	7	<0.5	<0.2
KS-28	Soil	15	0.28	85	0.043	<20	1.88	0.010	0.03	0.1	0.07	2.7	<0.1	<0.05	5	<0.5	<0.2
KS-29	Soil	20	0.18	61	0.054	<20	3.34	0.007	0.02	0.1	0.16	2.7	<0.1	<0.05	8	<0.5	<0.2
KS-30	Soil	17	0.20	56	0.053	<20	2.47	0.006	0.02	0.1	0.09	2.2	<0.1	<0.05	8	<0.5	<0.2

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
KS-31	Soil	0.9	13.3	7.0	64	<0.1	13.5	6.5	216	3.73	5.4	1.2	2.3	12	<0.1	0.2	<0.1	73	0.10	0.089	5	
KS-32	Soil	0.6	8.0	5.5	26	<0.1	6.3	2.5	162	3.37	5.0	<0.5	1.9	9	<0.1	0.2	0.1	70	0.08	0.068	4	
KS-33	Soil	0.5	15.2	5.2	50	0.1	15.3	6.8	316	2.56	4.9	1.6	1.9	13	<0.1	0.2	<0.1	53	0.11	0.109	7	
KS-34	Soil	0.6	11.5	7.3	45	0.1	10.6	3.6	142	3.86	6.0	<0.5	4.2	14	<0.1	0.2	0.1	78	0.12	0.096	4	
KS-35	Soil	1.2	10.4	8.6	51	0.1	4.4	2.5	278	4.39	5.1	<0.5	1.9	13	0.1	0.1	0.2	92	0.17	0.140	6	
KS-36	Soil	1.3	12.6	8.7	70	<0.1	8.3	3.5	115	4.86	10.5	0.6	3.1	11	0.2	0.2	0.1	96	0.08	0.054	6	
KS-37	Soil	1.0	4.9	8.6	42	0.1	6.4	3.2	285	1.63	2.5	<0.5	1.0	17	<0.1	<0.1	0.1	38	0.15	0.053	6	
KS-38	Soil	1.4	9.9	6.8	53	0.2	8.1	3.5	142	2.85	4.5	<0.5	1.7	30	0.2	0.1	0.1	68	0.22	0.079	6	
KS-39	Soil	1.5	9.7	9.5	59	0.3	10.4	5.2	751	3.23	5.2	<0.5	1.5	20	0.3	0.2	0.1	69	0.18	0.120	6	
KS-40	Soil	1.4	13.8	10.1	104	0.3	10.5	4.0	165	6.40	8.7	<0.5	4.4	24	0.3	0.2	0.1	84	0.27	0.227	6	
KS-41	Soil	1.2	12.4	9.3	111	0.2	10.1	5.7	237	3.79	5.2	<0.5	4.5	9	0.1	0.2	0.1	66	0.07	0.144	6	
KS-42	Soil	0.7	12.0	6.1	71	0.1	12.0	5.1	221	2.88	5.3	<0.5	1.9	11	0.1	0.2	<0.1	63	0.10	0.070	6	
KS-43	Soil	1.2	12.8	8.5	53	0.1	7.0	3.5	127	3.35	4.7	<0.5	2.4	8	0.1	0.2	0.1	67	0.08	0.081	6	
KS-44	Soil	0.8	6.1	4.8	37	<0.1	16.3	5.1	255	1.65	2.0	<0.5	0.9	14	<0.1	<0.1	<0.1	37	0.14	0.022	4	
KS-45	Soil	1.4	17.5	7.6	151	0.2	18.0	10.1	257	3.95	6.9	<0.5	3.1	9	0.3	0.2	0.1	71	0.08	0.044	8	
KS-46	Soil	1.4	17.1	9.1	27	0.2	3.4	3.1	251	7.77	6.9	<0.5	1.9	13	0.1	0.2	0.1	96	0.11	0.067	5	
KS-47	Soil	0.9	30.0	8.3	81	0.2	17.8	8.1	381	3.06	10.8	0.8	2.2	15	0.2	0.2	0.1	64	0.14	0.072	8	
KS-48	Soil	1.0	12.2	5.2	82	<0.1	16.9	6.1	267	3.50	23.5	<0.5	1.7	18	<0.1	0.2	<0.1	60	0.26	0.098	6	
KS-49	Soil	1.6	9.6	6.3	65	<0.1	11.1	4.0	259	2.57	5.2	<0.5	1.4	15	<0.1	0.1	0.1	65	0.15	0.058	6	
KS-50	Soil	5.9	9.2	5.5	78	0.3	13.7	6.5	220	3.58	7.0	<0.5	2.1	15	0.2	0.2	<0.1	68	0.13	0.035	5	
KS-51	Soil	2.5	22.0	9.0	111	0.2	13.5	10.8	406	2.58	5.0	1.7	1.4	61	0.2	0.2	<0.1	60	0.52	0.124	12	
KS-52	Soil	14.0	9.1	10.2	56	0.2	5.6	11.3	7834	4.80	12.8	1.7	1.8	25	0.1	0.2	0.2	88	0.35	0.031	7	
KS-53	Soil	1.9	9.8	7.6	66	0.1	13.4	6.1	249	3.74	9.1	<0.5	2.7	21	0.1	0.1	<0.1	59	0.24	0.051	4	
KS-54	Soil	1.7	5.9	8.4	38	<0.1	4.4	3.1	231	3.99	5.2	3.7	2.0	14	0.1	0.1	<0.1	69	0.12	0.182	5	
KS-55	Soil	3.3	19.7	5.5	61	0.1	13.5	10.8	937	3.63	12.1	1.3	1.7	26	0.2	0.2	<0.1	61	0.29	0.082	7	
KS-56	Soil	3.8	11.1	6.5	65	0.3	9.4	6.8	369	4.90	14.1	<0.5	2.3	27	0.3	0.2	<0.1	70	0.24	0.051	5	
KS-57	Soil	5.1	13.6	7.5	62	0.3	6.8	11.7	423	4.85	12.7	<0.5	2.4	17	0.2	0.2	0.1	90	0.14	0.076	13	
KS-58	Soil	2.0	14.8	5.7	48	<0.1	10.6	8.6	681	3.02	7.0	<0.5	0.9	34	0.1	0.1	<0.1	53	0.35	0.084	7	
KS-59	Soil	0.9	80.9	10.1	98	0.1	24.1	12.4	578	3.51	12.1	<0.5	1.9	50	0.2	0.2	0.1	70	0.51	0.123	7	
KS-60	Soil	0.9	17.9	3.5	40	<0.1	11.6	6.6	372	2.38	6.9	<0.5	2.1	24	<0.1	0.1	<0.1	53	0.34	0.105	8	

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Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 22, 2019

CERTIFICATE OF ANALYSIS VAN19001666.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
KS-31	Soil	23	0.20	69	0.061	<20	3.57	0.009	0.02	0.2	0.09	3.2	<0.1	<0.05	8	<0.5	<0.2
KS-32	Soil	18	0.14	45	0.048	<20	2.29	0.006	0.02	0.2	0.12	2.1	<0.1	<0.05	9	<0.5	<0.2
KS-33	Soil	17	0.34	72	0.050	<20	2.26	0.009	0.03	0.2	0.07	3.3	<0.1	<0.05	5	<0.5	<0.2
KS-34	Soil	23	0.23	59	0.048	<20	3.78	0.008	0.02	0.2	0.14	3.1	<0.1	<0.05	8	<0.5	<0.2
KS-35	Soil	19	0.09	39	0.047	<20	2.96	0.005	0.04	0.2	0.17	1.7	<0.1	<0.05	13	<0.5	<0.2
KS-36	Soil	23	0.15	60	0.086	<20	3.16	0.007	0.02	0.1	0.09	2.7	<0.1	<0.05	12	0.6	<0.2
KS-37	Soil	10	0.21	78	0.084	<20	1.21	0.011	0.03	<0.1	0.06	1.3	<0.1	<0.05	9	<0.5	<0.2
KS-38	Soil	16	0.17	92	0.082	<20	2.27	0.012	0.04	<0.1	0.10	2.1	<0.1	<0.05	9	<0.5	<0.2
KS-39	Soil	18	0.20	65	0.068	<20	2.09	0.009	0.05	0.2	0.08	1.9	<0.1	<0.05	9	<0.5	<0.2
KS-40	Soil	40	0.14	101	0.086	<20	7.46	0.011	0.04	0.2	0.28	3.6	<0.1	<0.05	13	0.8	<0.2
KS-41	Soil	24	0.19	66	0.100	<20	4.27	0.012	0.03	0.2	0.21	2.7	<0.1	<0.05	11	0.7	<0.2
KS-42	Soil	19	0.20	55	0.060	<20	3.06	0.010	0.03	0.1	0.16	3.2	<0.1	<0.05	8	0.5	<0.2
KS-43	Soil	21	0.13	42	0.119	<20	3.93	0.012	0.02	0.1	0.30	3.2	<0.1	<0.05	10	0.5	<0.2
KS-44	Soil	25	0.33	45	0.057	<20	1.19	0.009	0.03	0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
KS-45	Soil	24	0.30	95	0.101	<20	4.33	0.014	0.04	0.2	0.10	4.7	<0.1	<0.05	10	<0.5	<0.2
KS-46	Soil	22	0.10	36	0.089	<20	3.03	0.007	0.03	0.3	0.26	1.8	<0.1	<0.05	17	0.7	<0.2
KS-47	Soil	21	0.37	75	0.064	<20	2.59	0.014	0.05	0.2	0.09	3.6	<0.1	<0.05	7	<0.5	<0.2
KS-48	Soil	16	0.35	69	0.041	<20	2.59	0.013	0.04	0.1	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
KS-49	Soil	18	0.30	64	0.091	<20	1.84	0.011	0.03	0.1	0.06	2.4	<0.1	<0.05	10	<0.5	<0.2
KS-50	Soil	22	0.30	83	0.076	<20	3.19	0.010	0.03	0.3	0.09	2.7	<0.1	<0.05	10	<0.5	<0.2
KS-51	Soil	14	0.55	156	0.046	<20	2.81	0.033	0.06	0.3	0.10	3.4	0.1	<0.05	8	0.5	<0.2
KS-52	Soil	15	0.18	127	0.082	<20	2.30	0.007	0.02	0.4	0.12	2.0	<0.1	<0.05	12	<0.5	<0.2
KS-53	Soil	20	0.29	95	0.064	<20	4.23	0.014	0.03	0.2	0.10	2.9	<0.1	<0.05	7	<0.5	<0.2
KS-54	Soil	14	0.12	39	0.082	<20	4.71	0.008	0.03	0.2	0.21	2.5	<0.1	<0.05	11	<0.5	<0.2
KS-55	Soil	16	0.39	99	0.053	<20	2.34	0.016	0.05	0.2	0.07	2.9	<0.1	<0.05	6	0.5	<0.2
KS-56	Soil	15	0.31	87	0.066	<20	3.07	0.014	0.03	0.4	0.15	2.7	<0.1	<0.05	7	<0.5	<0.2
KS-57	Soil	14	0.23	82	0.074	<20	3.25	0.011	0.04	0.4	0.21	3.1	<0.1	<0.05	11	<0.5	<0.2
KS-58	Soil	13	0.30	99	0.048	<20	1.95	0.013	0.05	0.3	0.09	2.3	<0.1	<0.05	5	<0.5	<0.2
KS-59	Soil	23	0.64	158	0.066	<20	2.82	0.019	0.09	0.2	0.04	4.1	0.2	<0.05	8	<0.5	<0.2
KS-60	Soil	12	0.36	86	0.052	<20	1.84	0.022	0.04	0.2	0.05	2.7	<0.1	<0.05	5	<0.5	<0.2

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Project: Kalum
Report Date: July 22, 2019

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Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
KS-61	Soil	1.8	21.0	7.9	72	<0.1	14.1	9.5	511	4.03	10.6	<0.5	2.8	30	0.1	0.2	<0.1	76	0.35	0.109	12	
KS-62	Soil	2.0	17.3	6.1	68	0.1	11.6	8.3	384	2.94	5.4	2.1	3.1	14	0.1	<0.1	<0.1	70	0.14	0.103	9	
KS-63	Soil	1.3	26.4	6.0	58	<0.1	14.5	9.0	360	3.08	8.4	9.2	2.5	25	0.2	0.2	<0.1	67	0.25	0.087	8	
KS-64	Soil	1.5	22.3	6.4	71	0.2	18.3	8.8	332	3.46	6.8	<0.5	2.2	18	0.2	0.2	<0.1	71	0.20	0.084	8	
KS-65	Soil	0.8	24.6	6.0	53	<0.1	18.7	9.2	378	3.24	7.7	<0.5	2.7	20	<0.1	0.2	<0.1	66	0.26	0.223	7	
KS-66	Soil	0.9	18.7	5.6	47	<0.1	13.4	6.0	340	2.91	5.8	<0.5	1.7	19	0.2	0.1	<0.1	63	0.17	0.141	5	
KS-67	Soil	0.8	21.9	6.9	73	<0.1	17.9	8.5	331	2.91	6.4	<0.5	2.1	15	<0.1	0.2	0.1	60	0.11	0.123	6	
KS-68	Soil	1.1	57.2	7.9	51	0.1	8.5	9.1	640	3.39	16.4	0.8	1.2	104	0.2	0.3	<0.1	72	0.83	0.096	7	
KS-69	Soil	1.9	36.9	7.2	41	0.2	7.5	9.0	660	2.71	16.8	0.5	1.0	73	0.2	0.3	<0.1	54	0.68	0.083	5	
KS-70	Soil	1.9	18.4	6.7	37	<0.1	4.4	5.4	342	3.10	11.9	<0.5	0.6	47	0.1	0.3	<0.1	69	0.40	0.062	3	
KS-71	Soil	1.5	92.0	9.7	64	0.2	12.8	12.7	806	3.88	23.4	5.4	2.8	83	0.3	0.5	0.1	78	0.79	0.107	8	
KS-72	Soil	1.0	82.7	7.3	57	0.2	9.2	10.7	795	3.76	12.3	2.2	1.7	118	0.1	0.6	<0.1	78	0.96	0.129	7	
KS-73	Soil	1.4	86.5	8.4	56	0.3	7.2	10.4	870	3.52	13.0	4.0	1.3	102	0.1	0.5	<0.1	76	0.79	0.112	6	
KS-74	Soil	1.5	41.6	7.5	55	<0.1	9.4	9.6	576	3.45	15.9	1.2	1.8	61	0.2	0.4	<0.1	68	0.48	0.108	6	
KS-75	Soil	1.3	42.1	7.8	92	0.1	9.3	10.5	579	3.57	17.6	1.7	1.8	58	0.2	0.3	<0.1	68	0.49	0.157	6	
KS-76	Soil	2.1	46.3	10.8	82	0.1	7.3	12.2	929	3.96	18.5	0.8	1.5	51	0.3	0.3	<0.1	74	0.44	0.103	6	
KS-77	Soil	3.4	55.1	8.4	55	0.1	8.5	11.8	864	3.73	24.0	1.3	1.4	86	0.1	0.4	<0.1	72	0.71	0.100	7	
KS-78	Soil	2.5	16.4	8.1	106	0.2	9.8	4.6	142	6.13	12.0	<0.5	2.2	17	0.2	0.3	0.2	110	0.10	0.126	5	
KS-79	Soil	0.6	14.5	5.1	35	<0.1	14.0	5.2	192	1.67	2.0	3.2	0.7	17	<0.1	0.2	<0.1	41	0.22	0.069	8	
KS-80	Soil	0.9	15.0	6.6	61	<0.1	14.3	5.9	205	3.30	5.2	<0.5	1.9	20	0.1	0.2	0.1	70	0.16	0.102	6	
KS-81	Soil	0.6	13.1	4.8	53	<0.1	11.4	6.5	207	2.79	5.4	<0.5	1.9	15	0.1	0.1	<0.1	60	0.15	0.113	5	
KS-82	Soil	0.7	16.2	5.4	48	<0.1	13.6	7.1	245	3.03	6.1	<0.5	1.9	15	<0.1	0.2	<0.1	63	0.15	0.125	7	
KS-83	Soil	0.3	4.2	3.7	22	<0.1	2.8	1.9	73	1.37	<0.5	<0.5	0.6	13	<0.1	<0.1	<0.1	32	0.11	0.022	5	
KS-84	Soil	1.4	17.7	6.0	69	0.2	16.3	8.4	249	3.12	6.6	<0.5	0.9	15	0.2	0.2	0.1	59	0.19	0.095	6	
KS-85	Soil	2.2	23.8	8.1	106	0.1	22.2	11.3	273	3.45	6.1	1.9	1.9	19	0.2	0.2	0.1	68	0.22	0.096	8	
KS-86	Soil	2.5	24.3	5.8	52	<0.1	26.3	10.1	515	2.99	12.4	0.8	1.7	22	<0.1	0.3	0.1	63	0.34	0.060	6	
KS-87	Soil	4.0	34.2	6.7	75	<0.1	29.8	13.1	1045	3.50	14.8	<0.5	2.2	24	0.1	0.3	0.2	69	0.29	0.064	8	
KS-88	Soil	2.9	26.1	5.0	54	0.1	25.1	9.2	638	2.83	9.9	0.8	1.8	27	<0.1	0.2	0.1	60	0.38	0.079	8	
KS-89	Soil	1.4	28.1	6.0	72	0.1	32.6	16.0	343	3.29	6.2	<0.5	2.7	20	<0.1	0.2	0.1	61	0.14	0.064	9	
KS-90	Soil	0.7	29.0	8.5	114	0.2	27.7	12.0	365	3.47	6.8	<0.5	2.7	14	0.3	0.2	0.1	67	0.13	0.096	10	

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		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
KS-61	Soil		19	0.41	132	0.085	<20	3.41	0.019	0.07	0.3	0.10	4.2	<0.1	<0.05	8	<0.5	<0.2
KS-62	Soil		17	0.28	77	0.086	<20	3.01	0.015	0.04	0.2	0.07	3.4	<0.1	<0.05	8	<0.5	<0.2
KS-63	Soil		17	0.40	100	0.076	<20	2.58	0.016	0.06	0.2	0.05	3.7	<0.1	<0.05	7	<0.5	<0.2
KS-64	Soil		22	0.41	100	0.065	<20	2.90	0.013	0.07	0.2	0.08	3.6	<0.1	<0.05	8	<0.5	<0.2
KS-65	Soil		21	0.46	83	0.059	<20	2.52	0.015	0.08	0.2	0.05	3.7	<0.1	<0.05	6	<0.5	<0.2
KS-66	Soil		18	0.31	74	0.050	<20	2.25	0.010	0.04	0.2	0.07	2.6	<0.1	<0.05	7	<0.5	<0.2
KS-67	Soil		19	0.36	93	0.060	<20	2.68	0.012	0.05	0.2	0.04	3.1	<0.1	<0.05	7	<0.5	<0.2
KS-68	Soil		10	0.56	180	0.035	<20	2.27	0.019	0.06	0.5	0.04	2.8	<0.1	<0.05	7	<0.5	<0.2
KS-69	Soil		11	0.37	156	0.020	<20	1.55	0.011	0.08	0.3	0.09	2.0	<0.1	<0.05	6	<0.5	<0.2
KS-70	Soil		8	0.31	116	0.026	<20	1.69	0.011	0.08	0.5	0.03	1.8	<0.1	<0.05	8	<0.5	<0.2
KS-71	Soil		14	0.66	219	0.029	<20	3.02	0.016	0.09	0.3	0.06	3.9	0.1	<0.05	8	<0.5	<0.2
KS-72	Soil		10	0.68	195	0.043	<20	2.26	0.021	0.08	0.2	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
KS-73	Soil		10	0.59	207	0.027	<20	2.39	0.019	0.06	0.5	0.06	2.7	<0.1	<0.05	7	<0.5	<0.2
KS-74	Soil		12	0.51	154	0.028	<20	2.54	0.020	0.05	0.3	0.07	2.8	<0.1	<0.05	7	<0.5	<0.2
KS-75	Soil		12	0.48	161	0.024	<20	2.57	0.015	0.05	0.6	0.05	2.8	<0.1	<0.05	7	<0.5	<0.2
KS-76	Soil		10	0.50	169	0.025	<20	2.72	0.012	0.05	0.4	0.07	2.7	<0.1	<0.05	9	<0.5	<0.2
KS-77	Soil		11	0.60	181	0.030	<20	2.80	0.017	0.05	0.4	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
KS-78	Soil		27	0.24	76	0.059	<20	3.22	0.007	0.04	0.3	0.07	2.8	<0.1	<0.05	14	<0.5	<0.2
KS-79	Soil		17	0.41	85	0.057	<20	2.12	0.012	0.03	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
KS-80	Soil		20	0.31	79	0.052	<20	2.43	0.007	0.05	0.2	0.04	2.5	<0.1	<0.05	8	<0.5	<0.2
KS-81	Soil		16	0.29	66	0.047	<20	2.35	0.012	0.03	0.3	0.05	2.4	<0.1	<0.05	6	<0.5	<0.2
KS-82	Soil		19	0.33	73	0.060	<20	2.75	0.013	0.03	0.3	0.05	3.1	<0.1	<0.05	7	<0.5	<0.2
KS-83	Soil		7	0.04	50	0.022	<20	0.79	0.005	0.01	<0.1	0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
KS-84	Soil		19	0.36	71	0.043	<20	2.20	0.008	0.04	0.2	0.04	2.3	<0.1	<0.05	7	<0.5	<0.2
KS-85	Soil		25	0.38	119	0.049	<20	2.90	0.007	0.05	0.2	0.05	3.7	<0.1	<0.05	9	<0.5	<0.2
KS-86	Soil		28	0.69	140	0.052	<20	2.06	0.009	0.07	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
KS-87	Soil		30	0.64	165	0.054	<20	2.62	0.010	0.07	0.2	0.04	4.3	0.1	<0.05	7	<0.5	<0.2
KS-88	Soil		27	0.60	138	0.059	<20	2.37	0.012	0.07	0.2	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
KS-89	Soil		28	0.57	178	0.047	<20	3.28	0.008	0.05	0.2	0.06	4.2	0.1	<0.05	8	<0.5	<0.2
KS-90	Soil		27	0.55	112	0.085	<20	2.86	0.008	0.06	0.2	0.04	6.0	<0.1	<0.05	8	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Golden Fountain Resource**
203 - 11020 No. 5 Rd.
Richmond British Columbia V7A 4E7 Canada

Project: Kalum
Report Date: July 22, 2019

CERTIFICATE OF ANALYSIS VAN19001666.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
KS-91	Soil	1.0	20.1	7.0	102	<0.1	21.4	9.7	304	3.27	6.3	<0.5	2.4	13	0.3	0.2	0.1	64	0.12	0.100	8	
KS-92	Soil	0.9	49.6	9.0	94	<0.1	41.0	16.5	813	3.92	11.5	0.6	2.9	46	0.1	0.5	0.2	75	0.44	0.073	10	
KS-93	Soil	0.7	25.1	7.8	75	0.2	25.0	10.9	437	3.16	8.1	1.1	1.4	26	0.2	0.2	0.1	68	0.22	0.069	5	
KS-94	Soil	1.1	21.1	6.8	96	<0.1	25.7	10.8	354	3.33	6.3	0.7	0.8	20	0.2	0.2	0.1	66	0.28	0.078	5	
KS-95	Soil	2.2	18.9	8.5	101	0.2	21.3	9.2	374	3.87	6.9	0.6	2.0	21	0.2	0.2	0.2	75	0.26	0.090	6	
KS-96	Soil	1.9	25.4	7.5	77	0.1	26.2	11.8	475	3.18	6.9	<0.5	1.4	15	0.2	0.3	0.1	64	0.21	0.055	7	
KS-97	Soil	1.8	23.2	6.8	79	<0.1	25.2	11.0	518	3.03	5.4	1.1	1.3	22	0.2	0.2	0.1	62	0.36	0.063	7	
KS-98	Soil	4.4	42.6	10.4	98	0.3	43.1	20.1	2304	3.82	7.4	<0.5	1.1	51	0.3	0.2	0.2	79	0.55	0.082	13	
KS-99	Soil	0.9	14.3	6.6	103	0.1	21.7	8.8	240	2.98	6.0	<0.5	1.9	12	0.2	0.2	0.1	62	0.11	0.085	5	
KS-100	Soil	6.1	12.5	9.9	85	0.2	15.2	6.3	168	3.90	5.2	<0.5	1.7	17	0.2	0.2	0.2	104	0.17	0.070	6	
KS-101	Soil	1.4	22.0	7.7	100	0.2	27.5	12.6	241	3.63	7.1	1.2	6.2	19	0.1	0.2	0.1	77	0.26	0.059	5	
KS-102	Soil	1.6	18.3	5.8	57	<0.1	19.4	8.2	325	2.64	4.7	<0.5	0.8	19	0.1	0.2	0.1	60	0.21	0.028	6	
KS-103	Soil	0.9	31.9	8.0	81	<0.1	29.0	14.8	566	3.25	8.4	4.1	1.8	24	0.1	0.3	0.1	66	0.30	0.070	7	
KS-104	Soil	0.9	17.5	7.2	138	0.3	25.1	11.5	484	3.28	6.3	0.9	1.4	16	0.3	0.2	0.1	59	0.17	0.130	5	
KS-105	Soil	2.1	35.9	8.4	121	<0.1	34.0	12.9	480	3.88	14.5	1.1	2.1	17	0.2	0.3	0.2	75	0.19	0.137	8	
KSL-1	Silt	1.0	20.4	10.6	102	0.1	30.6	12.8	598	4.78	103.8	3.1	0.9	32	0.2	0.8	0.1	103	0.49	0.076	5	
KSL-2	Silt	2.0	20.4	31.6	239	1.2	33.5	12.1	751	4.14	329.9	4.2	1.3	38	0.3	2.1	0.3	73	0.49	0.055	6	
KSL-3	Silt	2.8	13.0	6.9	62	0.1	14.3	9.1	1144	3.54	346.6	0.6	0.8	63	0.2	0.8	0.1	75	0.92	0.072	6	
KSL-4	Silt	0.8	15.8	5.2	58	<0.1	18.0	9.1	535	4.65	74.5	0.9	1.5	32	0.1	0.3	<0.1	110	0.58	0.088	6	
KSL-5	Silt	1.0	78.6	10.8	59	0.2	11.8	12.0	891	3.98	43.4	4.6	1.9	157	0.2	0.7	<0.1	83	1.31	0.110	8	
KSL-6	Silt	0.8	10.5	4.2	56	<0.1	13.5	6.8	619	3.28	4.3	<0.5	1.2	41	0.2	0.2	<0.1	74	0.52	0.058	4	
KSL-7	Silt	1.3	49.4	39.3	127	0.3	47.5	21.3	754	4.23	160.7	13.6	1.4	24	0.6	1.4	0.3	54	0.28	0.069	7	
KSL-8	Silt	0.7	18.0	8.6	116	0.1	35.7	12.3	573	2.81	29.7	1.2	2.2	30	0.3	0.3	<0.1	58	0.30	0.048	7	
KSL-9	Silt	0.4	18.4	6.7	81	<0.1	26.0	11.8	614	2.79	25.0	0.6	2.4	30	0.1	0.2	<0.1	61	0.29	0.059	7	
KSL-10	Silt	0.7	29.2	6.1	72	<0.1	28.5	14.9	539	2.84	29.0	1.3	2.1	35	0.2	0.5	<0.1	49	0.31	0.048	7	

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Project: Kalum
Report Date: July 22, 2019

CERTIFICATE OF ANALYSIS VAN19001666.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
KS-91	Soil	24	0.35	89	0.057	<20	2.70	0.007	0.05	0.2	0.04	3.7	<0.1	<0.05	8	<0.5	<0.2
KS-92	Soil	38	0.88	201	0.077	<20	2.22	0.018	0.15	0.1	0.03	6.9	0.1	<0.05	7	<0.5	<0.2
KS-93	Soil	25	0.56	111	0.049	<20	2.30	0.008	0.07	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
KS-94	Soil	27	0.54	110	0.039	<20	2.42	0.007	0.07	0.2	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
KS-95	Soil	27	0.36	105	0.044	<20	2.93	0.008	0.06	0.2	0.07	3.5	<0.1	<0.05	10	<0.5	<0.2
KS-96	Soil	28	0.56	119	0.048	<20	2.62	0.010	0.07	0.2	0.04	4.0	<0.1	<0.05	7	<0.5	<0.2
KS-97	Soil	27	0.59	132	0.040	<20	2.42	0.010	0.07	0.1	0.03	3.7	0.1	<0.05	8	<0.5	<0.2
KS-98	Soil	42	0.75	285	0.021	<20	4.03	0.015	0.13	0.2	0.04	5.8	0.2	<0.05	11	0.6	<0.2
KS-99	Soil	23	0.38	74	0.056	<20	2.54	0.008	0.05	0.2	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
KS-100	Soil	29	0.32	86	0.059	<20	2.66	0.007	0.05	0.2	0.04	2.9	<0.1	<0.05	14	<0.5	<0.2
KS-101	Soil	28	0.60	113	0.056	<20	2.68	0.005	0.08	0.2	0.06	3.3	0.1	<0.05	8	<0.5	<0.2
KS-102	Soil	22	0.48	90	0.046	<20	1.54	0.006	0.06	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
KS-103	Soil	29	0.70	111	0.058	<20	2.11	0.008	0.13	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
KS-104	Soil	26	0.45	76	0.049	<20	2.88	0.006	0.06	0.1	0.06	3.0	<0.1	<0.05	8	<0.5	<0.2
KS-105	Soil	34	0.64	144	0.046	<20	3.40	0.007	0.11	0.2	0.05	5.1	0.1	<0.05	9	<0.5	<0.2
KSL-1	Silt	20	0.41	79	0.030	<20	1.74	0.014	0.04	0.4	0.03	2.3	<0.1	<0.05	6	0.7	<0.2
KSL-2	Silt	24	0.53	79	0.023	<20	1.75	0.009	0.04	0.2	0.02	2.5	<0.1	<0.05	6	1.0	<0.2
KSL-3	Silt	18	0.38	91	0.027	<20	1.77	0.013	0.03	0.2	0.03	2.2	<0.1	<0.05	6	1.6	<0.2
KSL-4	Silt	19	0.36	67	0.027	<20	1.38	0.018	0.03	0.6	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
KSL-5	Silt	13	0.61	196	0.044	<20	2.64	0.022	0.08	0.3	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
KSL-6	Silt	14	0.32	109	0.029	<20	1.86	0.017	0.03	0.3	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
KSL-7	Silt	33	0.62	64	0.010	<20	1.81	0.004	0.04	0.4	<0.01	3.0	<0.1	<0.05	6	1.2	<0.2
KSL-8	Silt	31	0.68	150	0.061	<20	2.54	0.016	0.13	0.2	0.01	4.1	<0.1	<0.05	7	0.5	<0.2
KSL-9	Silt	28	0.66	204	0.078	<20	2.46	0.019	0.16	0.2	0.01	4.1	0.1	<0.05	7	<0.5	<0.2
KSL-10	Silt	31	0.64	95	0.039	<20	1.86	0.026	0.10	0.2	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2

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Project: Kalum
Report Date: July 22, 2019

QUALITY CONTROL REPORT VAN19001666.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
KS-19	Soil	2.5	21.5	27.8	136	0.6	21.7	30.8	1010	3.68	6.1	0.8	2.1	15	0.5	0.3	0.2	76	0.19	0.125	8
REP KS-19	QC	2.5	20.7	28.0	134	0.6	21.1	31.2	975	3.58	6.0	6.7	2.1	15	0.5	0.3	0.2	76	0.19	0.115	8
KS-55	Soil	3.3	19.7	5.5	61	0.1	13.5	10.8	937	3.63	12.1	1.3	1.7	26	0.2	0.2	<0.1	61	0.29	0.082	7
REP KS-55	QC	3.2	20.7	5.8	62	0.1	13.6	10.8	972	3.59	11.9	0.5	1.5	27	0.3	0.2	<0.1	59	0.29	0.081	7
KS-91	Soil	1.0	20.1	7.0	102	<0.1	21.4	9.7	304	3.27	6.3	<0.5	2.4	13	0.3	0.2	0.1	64	0.12	0.100	8
REP KS-91	QC	1.0	20.6	7.1	103	<0.1	21.4	10.1	310	3.35	6.3	<0.5	2.3	14	0.2	0.3	0.1	67	0.12	0.100	8
Reference Materials																					
STD BVGEO01	Standard	10.2	4173.2	186.5	1693	2.4	159.9	24.8	727	3.76	117.1	213.2	16.1	49	6.4	2.5	23.4	78	1.21	0.071	25
STD BVGEO01	Standard	10.5	4281.4	181.2	1667	2.3	164.2	24.6	701	3.73	113.8	210.6	15.5	49	6.4	2.3	22.8	79	1.29	0.065	24
STD DS11	Standard	15.5	140.7	129.1	321	1.6	77.6	13.5	986	3.00	41.1	69.5	7.6	62	2.3	6.7	10.7	51	1.00	0.065	17
STD DS11	Standard	13.9	152.6	140.4	326	1.7	79.4	13.9	990	3.05	44.2	47.5	9.3	62	2.2	7.0	10.8	50	0.98	0.068	18
STD DS11	Standard	12.9	144.9	135.4	313	1.5	73.4	13.1	1001	3.09	41.9	83.5	7.3	50	2.0	5.7	8.7	48	0.97	0.068	15
STD OREAS262	Standard	0.6	105.7	56.0	139	0.4	60.7	27.0	530	3.23	35.3	71.2	9.3	32	0.7	3.4	0.9	23	2.96	0.037	15
STD OREAS262	Standard	0.8	110.4	56.3	145	0.4	64.4	28.1	524	3.31	35.3	66.7	9.6	32	0.7	3.5	1.0	23	2.85	0.035	15
STD OREAS262	Standard	0.7	109.9	53.3	140	0.4	60.9	26.5	512	3.20	35.1	60.1	10.5	32	0.6	3.2	0.9	22	2.71	0.038	15
STD OREAS262	Standard	0.6	121.9	55.0	149	0.4	65.1	27.1	521	3.19	36.1	59.4	9.6	34	0.6	3.2	0.9	24	2.92	0.040	17
STD OREAS262	Standard	0.6	115.4	53.6	134	0.4	61.2	25.7	515	3.27	33.4	59.7	8.8	31	0.6	2.7	0.9	20	2.78	0.036	12
STD BVGEO01 Expected		10.8	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727	25.9
STD DS11 Expected		13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT VAN19001666.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
KS-19	Soil	33	0.25	95	0.086	<20	3.13	0.007	0.03	0.2	0.14	2.9	0.1	<0.05	13	1.2	<0.2
REP KS-19	QC	33	0.25	94	0.085	<20	3.13	0.007	0.03	0.2	0.12	2.9	0.1	<0.05	12	0.9	<0.2
KS-55	Soil	16	0.39	99	0.053	<20	2.34	0.016	0.05	0.2	0.07	2.9	<0.1	<0.05	6	0.5	<0.2
REP KS-55	QC	16	0.38	99	0.052	<20	2.32	0.014	0.05	0.2	0.08	2.7	<0.1	<0.05	6	<0.5	<0.2
KS-91	Soil	24	0.35	89	0.057	<20	2.70	0.007	0.05	0.2	0.04	3.7	<0.1	<0.05	8	<0.5	<0.2
REP KS-91	QC	24	0.37	91	0.058	<20	2.81	0.006	0.05	0.2	0.03	3.9	<0.1	<0.05	8	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	171	1.28	331	0.237	<20	2.25	0.182	0.82	3.7	0.10	5.6	0.6	0.68	7	5.3	1.0
STD BVGEO01	Standard	181	1.26	325	0.237	<20	2.16	0.183	0.84	3.4	0.08	5.7	0.6	0.68	7	5.5	1.1
STD DS11	Standard	58	0.78	414	0.087	<20	1.12	0.062	0.39	2.5	0.24	3.2	4.9	0.20	5	2.2	4.5
STD DS11	Standard	59	0.77	420	0.094	<20	1.03	0.066	0.41	2.5	0.25	3.2	5.1	0.26	5	2.0	4.4
STD DS11	Standard	57	0.84	390	0.088	<20	1.11	0.069	0.38	2.6	0.24	3.1	4.7	0.17	4	1.3	4.1
STD OREAS262	Standard	42	1.12	245	0.003	<20	1.15	0.067	0.29	0.1	0.15	3.1	0.5	0.26	4	<0.5	0.2
STD OREAS262	Standard	43	1.10	247	0.003	<20	1.18	0.062	0.28	0.1	0.14	3.2	0.5	0.25	4	<0.5	0.2
STD OREAS262	Standard	40	1.11	253	0.003	<20	1.25	0.060	0.30	0.1	0.16	3.1	0.4	0.24	4	<0.5	0.2
STD OREAS262	Standard	43	1.12	252	0.003	<20	1.17	0.062	0.28	0.1	0.15	3.3	0.5	0.27	4	<0.5	<0.2
STD OREAS262	Standard	39	1.13	231	0.003	<20	1.10	0.063	0.27	<0.1	0.13	3.0	0.4	0.19	3	<0.5	<0.2
STD BVGEO01 Expected		171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected		61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD OREAS262 Expected		41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2