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

Assessment Report
Title Page and Summary

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

TOTAL COST: $46,652.00

AUTHOR(S): Ian Webster P.Geo.

SIGNATURE(S):

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

YEAR OF WORK: 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5632975

PROPERTY NAME: Big Bear

CLAIM NAME(S) (on which the work was done): 694043, 694044, 694045, 694046, 694063, 694064, 694065, 694066, 694083, 694084,
694085, 694086, 694087, 694088, 694089, 694090, 694103, 694123, 694143, 694144, 694145, 694146, 694147, 694148,
694163, 694183, 694184, 694185, 694186, 694187, 694287, 713362, 713382, 713402, 713422, 713442, 713462, 713482,

COMMODITIES SOUGHT: gold, silver, copper, zinc

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Omineca

NTS/BCGS: NTS Sheet: 093F/02, 03, 06, 07

LATITUDE: 53 ° 18 '00 " **LONGITUDE:** 124 ° 56 '00 " **(at centre of work)**

OWNER(S):

1) Little Bear Gold Corp.
2) Parlane Resource Corp.

MAILING ADDRESS:

750 - 580 Hornby St Vancouver BC V6C 3B6
750 - 580 Hornby St Vancouver BC V6C 3B6

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

1) Parlane Resource Corp.
2)

MAILING ADDRESS:

750 - 580 Hornby St Vancouver BC V6C 3B6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Hazelton Group, Bowser Lake Group, epithermal

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 35906, 34134, 33750, 32059, 32741, 32589

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	99	713922, 713882	
Silt			
Rock	13	713922, 713882	
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	112		
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$46,652.00

ASSESSMENT REPORT

THE BIG BEAR PROPERTY

Claims
694043, 694044, 694045, 694046, 694063, 694064, 694065, 694066, 694083, 694084, 694085, 694086, 694087, 694088, 694089, 694090, 694103, 694123, 694143, 694144, 694145, 694146, 694147, 694148, 694163, 694183, 694184, 694185, 694186, 694187, 694287, 713362, 713382, 713402, 713422, 713442, 713462, 713482, 713502, 713522, 713542, 713562, 713582, 713602, 713622, 713642, 713662, 713682, 713702, 713722, 713742, 713782, 713802, 713822, 713842, 713862, 713882, 713902, 713922, 1046035, 1046802, 1046869

53° 18' N and 124° 56' W

NTS Sheet: 093F/02, 03, 06, 07

Omineca Mining Division

Owner: Little Bear Gold Corp.
(a subsidiary of Parlane Resource Corp.)
750 - 580 Hornby St
Vancouver BC V6C 3B6

Prepared by
Ian Webster P.Geo.

April 18, 2017

PARLANE

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1 Introduction

The Big Bear mineral property is situated on the Nechako Plateau in central British Columbia, approximately 100 kilometres southwest of Vanderhoof and 165 kilometres west-northwest of Quesnel (Figure 1). The claims are located within the Omineca Mining Division, centered at 53º 18' north latitude and 124º 56' west longitude on NTS Sheets: 093E/02, 03, 06, and 07. The property consists of 62 mineral claims totalling 27,859.22 hectares. The claims are held in the name of Little Bear Gold Corp., which is a wholly owned subsidiary of Parlane Resource Corp. The property is situated in the forested rolling hills of the southern Nechako Plateau. Vanderhoof, the closest town, is situated on provincial highway 16 and the main railway line to the ocean port at Prince Rupert. Access to the property is by the all season Kluskus-Malaput Forest Service Road, which crosses the southern portion of the property. Secondary logging roads provide access to other parts of the property.

The Big Bear property is situated along the eastern margin of the Stikine Terrane, west of the structural contact with the Cache Creek Terrane and immediately south of the Skeena Arch. Strata of the Stikine Terrane in central and east-central British Columbia comprise superposed island and continental margin arc assemblages and epicontinental sedimentary sequences.

Little Bear Gold Corp. acquired 12968.43 hectares of mineral tenure from Deveron UAS Corp. August 3, 2016. This new tenure, formerly known as the Nechako Property, is immediately adjacent to the Big Bear property and is now part of the Big Bear mineral property. Little Bear Gold Corp commenced an exploration program on the property Aug 3, 2016. A statement of work was submitted to the British Columbia Ministry of Energy and Mines, Mineral Titles Branch Aug 10, 2016 (Event Number 5613814) for technical work carried out on the property between August 2 to August 10, 2017. This event carried the newly acquired Nechako block of claims (claims numbers; 713362, 713382, 713402, 713422, 713442, 713462, 713482, 713502, 713522, 713542, 713562, 713582, 713602, 713622, 713642, 713662, 713682, 713702, 713722, 713742, 713782, 713802, 713822, 713842, 713862, 713882, 713902, 713922) forward to Sept. 16, 2016. Work continued on the property and another Statement of Work was submitted on September 15, 2016 (Event Number 5618617) covering the period August 11 to September 15, 2016. Another Statement of Work was submitted January 11, 2017 (Event number 5632975). This work was also credited to the same claims and carried them forward to January 12, 2017. This work covered the period between September 16 and October 17, 2016 and is the subject of this Assessment Report. This Assessment Report covers work that was carried out in the vicinity of the Sugar Bear and the Liesegang mineral occurrences. Total expenditures for this portion of the 2016 Exploration Program are $46,652.00.

2 Terms of References

This report has been written to fulfill the requirements for filing assessment work under the British Columbia Mineral Tenure Act. It describes the exploration undertaken on the Big Bear Property between September 16 and October 17, 2016. This report is not compliant with National Instrument 43-101 and Form 43-101F1, and should not be used as a “Technical Report” under National Instrument 43-101.

3 Property Description and Location

The Big Bear Property is located on the Nechako Plateau, within the Omineca Mining District, approximately 100 km southwest of Vanderhoof on the south side of the Nechako Reservoir. The property consists of 62 contiguous mineral claims totaling 27,469.8 hectares and are situated on National Topographic Map Sheets 93F02, 03, 06, and 07 (Figure 1, Table 1 & Figure 2). This area has been referred to as the Blackwater Gold District in a 2012 map produced by FrontCounterBC. New Gold Inc. have 8.2 million ounces of gold and 60.8 million ounces of silver in the Proven and Probable reserves at

its Blackwater deposit, situated approximately 6 kilometres south of the Big Bear property.

4 Access, Local Resources, Infrastructure & Physiography

Access to the Big Bear project area is southward from the Town of Vanderhoof via the Kenny Dam road. Twenty-six kilometres from Vanderhoof, the Kenny Dam road intersects the all season Kluskus Forest Service Road system. The Kluskus FSR system extends southward towards the Blackwater (West Road) River and cuts through the middle of the Big Bear property. The property begins near the 119 km marker on the Kluskus-Ootsa FSR and continues to approximately the 141 km marker. The Kluskus-Chedakuz FSR leaves the Kluskus-Ootsa FSR road at 128.5 km and travels north, through the approximate centre of the property, to the Nechako Reservoir.

Numerous roads and tracks provide access to many parts of the property. Pine beetle infestations have impacted the forests in the area resulting in considerable road building and large cut block activity aimed at timber salvage. Almost one third of the Big Bear property has been harvested and lies in partly reforested cut blocks.

Prince George, located 100 kilometres east of Vanderhoof, has several daily flights to Vancouver and other points. The nearest available electrical power is 28 kilometres north of the centre of the property at Kenney Dam. New Gold Inc.'s Blackwater deposit camp is situated on the north flank of Mount Davidson 6 km south of the Big Bear. The access road leaves the Kluskus FSR at kilometre 146. A Telus cell tower has been installed at the camp and provides a signal over a considerable radius, including much of the southern portion of the Big Bear claims. TTM Resource's Chu exploration camp is located at 110.5 km on the Kluskus FSR. Tatelkuz Lake Ranch is located at the 118 km mark.

Elevations on the Nechako Gold property range from 1100 to 1739 metres. An extensive veneer of glacial deposits cover the project area with bedrock exposures generally restricted to higher elevations such as Fawnie Dome. However, recent and ongoing logging across the property continues to result in new outcrop exposures.

The climate is characterized by 3 to 4 month summers that average approximately 15 degrees Celsius daily mean and winters with a daily mean of about -8, but temperatures can reach as low as -45 degrees C. The area receives, on average, 50 cm of precipitation per annum. Snowfall can attain 2 metres at higher elevations. The exploration period is generally between mid–June and late–October. Year round diamond drilling is possible given a suitable supply of water and a winterized camp.

Vegetation in the project area is predominantly lodgepole pine with balsam fir and white spruce. At higher elevations vegetation is less dense and dominated by subalpine fir and whitebark pine.

Figure 1. Location Map

Title Number	Claim Name	Owner	Title Type	Title Sub Type	Issue Date	Good To Date	Status	Area (ha)
694043		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.6564
694044		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.8539
694045		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.764
694046		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.5666
694063		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	445.04
694064		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.7718
694065		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.7457
694066		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.1399
694083		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.5715
694084		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.1851
694085		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.6269
694086		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.2118
694087		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.8716
694088		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.0465
694089		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.0928
694090		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.9169
694103		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.2208
694123		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.132
694143		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	444.5793
694144		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	464.1768
694145		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.8681
694146		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	425.3731
694147		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.8337
694148		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	482.9805
694163		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	347.9657
694183		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.6033
694184		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.6484
694185		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.647
694186		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.6462
694187		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	463.646
694287		277388 (100%)	Mineral	Claim	2010/JAN/04	2018/DEC/25	GOOD	483.0364
713362	KL1	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.6994
713382	KL2	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.7135
713402	KL3	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.7142
713422	KL4	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.7149
713442	KL6	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	444.0928
713462	KL7	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.6495
713482	KL8	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.3895
713502	KL9	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.5628
713522	KL10	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	347.6368
713542	KL11	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.1958
713562	KL12	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.2056
713582	KL13	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.2073
713602	KL14	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.2081
713622	KL15	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.2123
713642	KL16	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.1621
713662	KL17	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0186
713682	KL18	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0209
713702	KL19	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0236
713722	KL20	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0257
713742	KL21	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0275
713782	KL22	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.029
713802	KL22	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	463.0306
713822	KL23	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	462.9339
713842	KL24	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	462.8777
713862	KL25	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.1307
713882	KL26	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.1533
713902	KL27	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	482.1339
713922	KL28	277388 (100%)	Mineral	Claim	2010/MAR/04	2017/JUL/11	GOOD	462.6647
1046035	THE CUB	277388 (100%)	Mineral	Claim	2016/AUG/18	2017/AUG/18	GOOD	38.544
1046802	THE CUB 2	277388 (100%)	Mineral	Claim	2016/SEP/19	2017/SEP/19	GOOD	38.5521
1046869	THE CUB 3	277388 (100%)	Mineral	Claim	2016/SEP/22	2017/SEP/22	GOOD	57.8191
62 claims						***TOTAL ha***		**27469.8**

Table 1. List of Claims

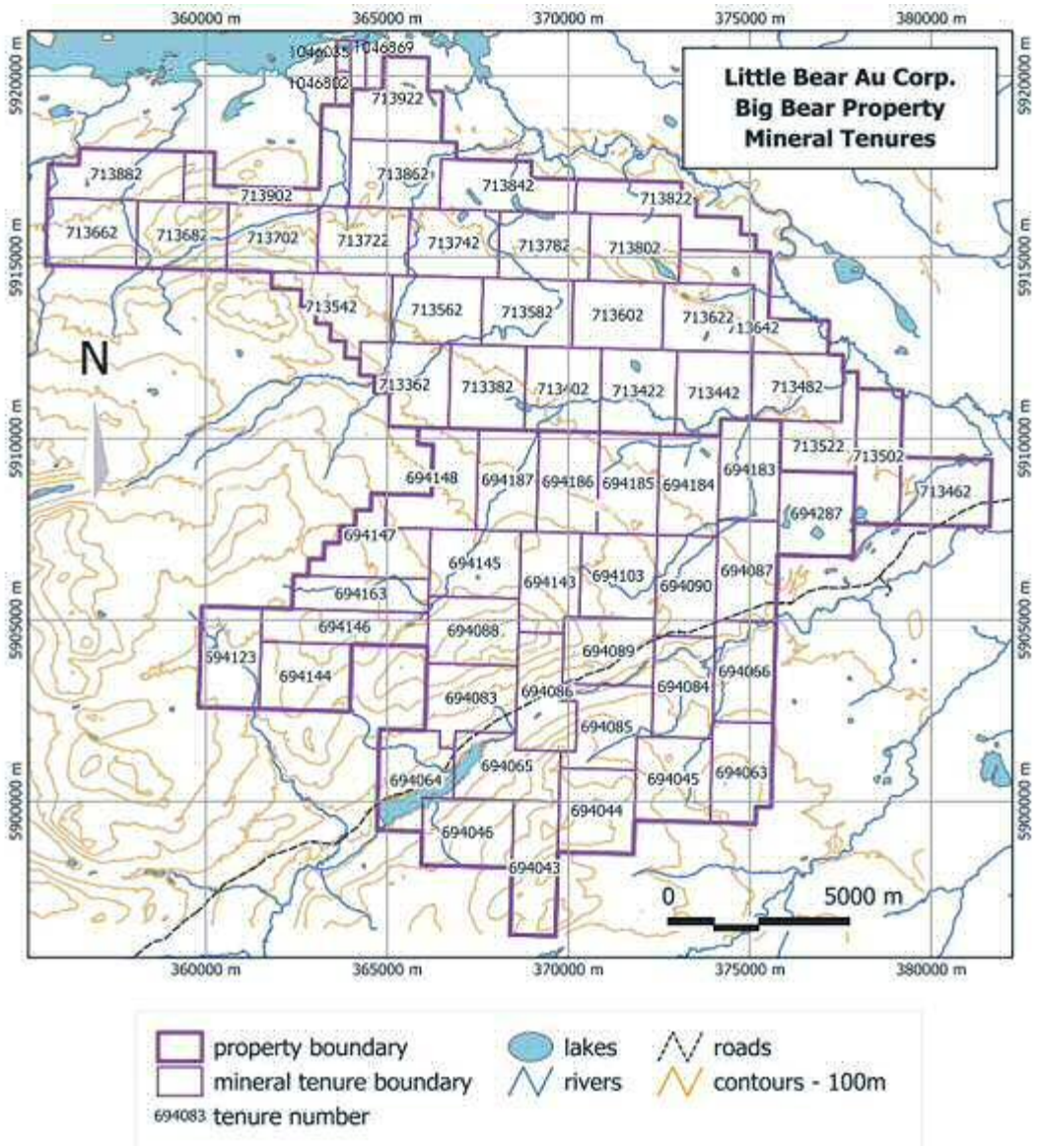

Figure 2. Claim Map

5 Regional Geology

The regional geology presented in the following is largely from Geoscience BC's 2016 publication by J.J Angen, J.M. Logan, C.J.R. Hart, and R. Kim titled "TREK geological mapping project, year 2: update on bedrock geology and mineralization in the TREK project area, central British Columbia (parts of NTS 093B, C, F, G)". It is published in Geoscience BC Summary of Activities 2015, Geoscience BC, Report 2016-1 pages 1–16. TREK is an acronym for Targeting Resources through Exploration and Knowledge.

The Big Bear lies along the eastern margin of the island-arc Stikine Terrane, west of the structural contact with the oceanic Cache Creek Terrane and south of the Skeena Arch (Figure 3). Overlap assemblages mantle both of these terranes extensively. The tectonic domains are separated by metamorphic complexes and major faults: the Tatla Lake metamorphic complex (TLMC in Figure 3) and Yalakom fault in the west, and the Vanderhoof metamorphic complex (VMC in Figure 3) and Bobtail shear zone in the east. The volcanic and sedimentary sequences that occur within the TREK study area

(red polygon in Figure 3) are: Early to Middle Jurassic Hazelton Group, Middle to Late Jurassic Bowser Lake Group, Early to Late Cretaceous Skeena Group, Late Cretaceous Kasalka Group, Eocene Ootsa Lake Group, Eocene Endako Group; Neogene Chilcotin Group; and Neogene Anahim Volcanics (Angen *et al.,* 2016).

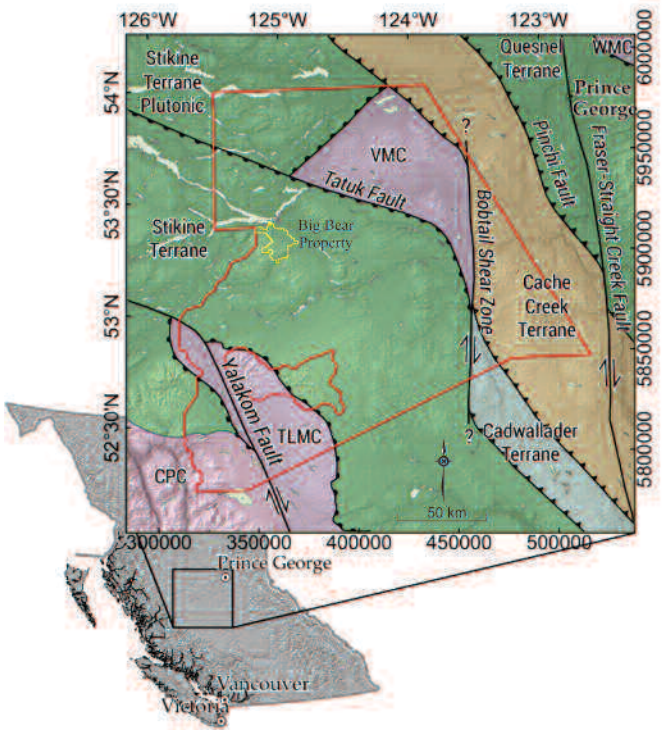

Figure 3. Regional Geology (Angen *et al*., 2016).

6 Property Geology

The local and property geology presented in the following is largely from Geoscience BC's 2016 publication by J.J Angen, J.M. Logan, C.J.R. Hart, and R. Kim titled "TREK geological mapping project, year 2: update on bedrock geology and mineralization in the TREK project area, central British Columbia (parts of NTS 093B, C, F, G)". It is published in Geoscience BC Summary of Activities 2015, Geoscience BC, Report 2016-1 pages 1–16. TREK is an acronym for Targeting Resources through Exploration and Knowledge.

The Big Bear project area is underlain by the volcanic and sedimentary sequences: Early to Middle Jurassic Hazelton Group, Middle to Late Jurassic Bowser Lake Group; Early to Late Cretaceous Skeena Group; possible Late Cretaceous Kasalka Group and Eocene Ootsa Lake Group (Figure 3 & 4). The Eocene Endako and Neogene Chilcotin group flood basalts have not been encountered in the project area. Small dioritic plugs intrude these sequences locally.

The Lower Hazelton Group comprises volcanic rocks of Hettangian-Sinemurian age (Tipper and Richards, 1976; Gagnon et al., 2012) that are locally represented by the Telkwa Formation. It is composed of maroon and green andesitic lapilli tuff with abundant plagioclase (up to 40%) ±pyroxene±hornblende phenocrysts. Volcanic boulder conglomerate with a red tuffaceous matrix and well-rounded clasts occurs locally. Anderson et al. (1998) report planar crossbeds, flame structures, and cut-and-fill structures in rich bedded tuffs north of the Nechako Reservoir, indicating shallow, subaqueous deposition. Similar andesitic lapilli tuffs and reworked crystal tuffs are observed south of the Nechako Reservoir and northeast of the Capoose prospect (MINFILE 093F 040; BC Geological Survey, 2015).

The Upper Hazelton Group comprises sedimentary and volcanic rocks of Pliensbachian through Callovian age (Tipper and Richards, 1976; Gagnon et al., 2012). Locally, thick sections of lava flows and volcaniclastic rocks are not well age-constrained either by fossils or isotopic means. Following Diakow et al. (1997), the Upper Hazelton Group is subdivided into the Entiako and Naglico formations in this region and are described in the following.

The Entiako Formation consists of a lower marine tuffaceous sedimentary unit of Toarcian to Bajocian(?) age and an upper unit of intermediate to felsic volcanic and epiclastic members (Diakow and Levson, 1997; Diakow et al., 1997). Included with the undifferentiated Entiako Formation are thin-bedded variegated siltstone, fine lithic sandstone and ash tuff.

Angen *et al.,* (2016) identified the Liesegang unit within the Entiako Formation. It is characterized by abundant flattened amygdules, and hematitic Liesegang rings. Coherent flow units (2.5–4 m thick), commonly with brecciated flow-tops or bases are locally separated by intraflow fragmental lapilli tuffs, and block breccias occur rarely. The flows are aphyric, sparsely plagioclase-phyric to crowded (1–2 mm, 20–35%) to trachytic with variably hematized and chloritized pyroxene and/or hornblende phenocrysts (2 mm, 2–5%). The upper and lower contacts of the unit are not exposed but it is stratigraphically above rocks tentatively assigned to the Telkwa Formation south of the Nechako Reservoir in a shallow west-dipping sequence. The unit also occurs stratigraphically below quartz-feldspar lapilli tuff of the Entiako Formation in two localities where it is close to the brick-red ash-lapilli lithic tuff and flow-banded rhyolite-dacite units described (below).

The Entiako Formation's Red Tuff unit is a non-welded, brick-red lithic lapilli tuff and ash tuff is best exposed south of the Key stock (Figure 5). Fine-grained bedded ash horizons are defined by abundance and crystal size of white feldspar. Lapilli up to 10 cm are predominantly of purple plagioclase-phyric andesite with lesser red dacite and beige rhyolite. This unit may correspond to the Toarcian Eagle Peak Formation defined in the Skeena-Nass area (MacIntyre et al., 1994), formerly the Red Tuff Member of the Nilkitkwa Formation (Tipper and Richards, 1976).

The Entiako Formation's Red Dacite unit is white, grey, purple and red flow-banded dacite and spherulitic rhyolite is traced around the southern margin of the Key stock. Some occurrences were previously mapped as Ootsa Lake Group and Entiako Formation. Flow bands are contorted and locally exhibit quartz filled vugs. A similar maroon flow-banded dacite occurs below Entiako Formation quartz-feldspar lapilli tuff along the Kluskus-Ootsa Forest Service road, ~1 km south of the Blackwater access road and on the western flank of Fawnie Dome.

The Entiako Lapilli Tuff is a white-weathering quartz-feldspar crystal-lithic lapilli tuff. It is conspicuous by the presence of lithic clasts of maroon/red tuff, and flow-laminated and quartz eye–bearing rhyolite clasts. It crops out south of the Key stock, on the western flank of Fawnie Dome, and at the Entiako Formation type section (5 km marker on the Kluskus-Malaput Forest Service road (Diakow et al., 1997). Red tuff clasts indicate that this distinctive lapilli tuff postdates the brick-red ash tuff described above.

Overlying the Entiako felsic tuffaceous units, apparently unconformably (Diakow et al., 1997), are pyroxene-phyric coherent basalt, breccia, conglomerate and pyroxene-rich sandstone and epiclastic deposits of the Naglico Formation. Age constraints include a probable early Bajocian fossiliferous limestone (south of the Capoose pluton) and latest early Bajocian, or early late Bajocian, bivalves and ammonites from siltstone, sandstone and conglomerate southeast of the 3TS prospect (MINFILE 093F 055, 093F 068). Interlayered and graded coarse plagioclase and pyroxene crystal sandstone, lithic conglomerate and plagioclase pyroxene–phyric basalt overly parallel-laminated, variegated beds of cherty siltstone and sandstone at the Entiako Formation type section (Diakow et al., 1997). On Fawnie Dome, pink K-feldspar–phyric dacite of the Entiako Formation is overlain by massive, amygdaloidal pyroxene plagioclase–phyric coherent basalt. The basalt is characterized by stubby white plagioclase laths (1–3 mm, 30%) and sparse, equant, pyroxene phenocrysts (2–4 mm, 10–12%) within a fine-grained matrix of plagioclase, pyroxene and disseminated magnetite. Chlorite and spotty epidote alteration is ubiquitous.

The Middle Jurassic clastic rocks of the Bowser Lake Group includes the Ashman Formation. The Ashman Formation comprises a deep-water facies of fine-grained mudstone and siltstone with limy lenses and an overlying eastward-thickening wedge of conglomerate, sandstone and siltstone (Diakow et al., 1997). Black shale interbedded with fine sandstone and fossiliferous greywacke is exposed at the Buck showing (MINFILE 093F 050), on the Blackwater mine access road (kilometre 0.5 to 2.5) and west of Chedakuz Creek (Diakow and Levson, 1997). At the Buck showing, black mudstone, parallel-laminated argillite and siltstone comprise an upward-facing sedimentary panel ~50 m thick that grades upward into pyroxene-porphyry basalt and volcaniclastic rocks of the Nechako Formation. An isolated outcrop of white-weathering chert pebble–granule conglomerate and lithic sandstone, crops out north of Fawnie Dome (Diakow and Levson, 1997). The conglomerate is well sorted, massive or thickly bedded and clast-supported. It is composed of white, grey, black and pale green subangular to well-rounded chert pebbles (4–15 mm). The conglomerate has been silicified, probably due to the pyroxene diorite intrusion that forms the hilltop 300 m to the south. Ashman Formation conglomerate is well exposed in the Nechako Range (Diakow et al., 1997).

The Upper Jurassic Nechako Formation is comprised coarse pyroxene-phyric basalt breccia, pyroxene-phyric clast-dominated polymict conglomerate and rare fine grained bedded epiclastic units. It underlies the area north of Top Lake, south of the Capoose prospect (Fawnie Nose), and the western flank of the Nechako Range (Diakow and Levson, 1997). North of Top Lake, the fault-bounded unit includes a dominantly effusive lower member of coarse pyroxene-phyric basalt with stubby to equant euhedral black pyroxene phenocrysts (0.5 by 1 mm, up to 10 mm, 15–20%) and white tabular, subhedral plagioclase phenocrysts (2–3mm, 20%) within a black, green or red hematitic fine-grained matrix. This is overlain by an upper member of pyroxene dominated polymict fragmental and epiclastic rocks that fines upward into well-bedded fossiliferous siltstone, sandstone and wacke. Contacts are not exposed but sedimentary

facing directions suggest the sedimentary units overlie the pyroxene basalt. The volcanic rocks are intruded by coarse crowded pyroxene-plagioclase sills (2–4 m thick) and fine-grained equigranular pyroxene diorite dikes (1–2 m wide). The dikes display vesicular margins. Thickly bedded, chaotic matrix-supported polymict volcanic boulder conglomerate, with rare well-bedded normal graded sandstone and siltstone intervals, dominate the upper member. These units are exposed along the Kluskus-Ootsa Forest Service road, south of Fawnie Dome, and in drilling northwest of the Black Bear prospect (MINFILE 093F 075; Webster, 2013). Lithic clasts include intermediate to felsic volcanic rocks that are black, green and maroon; aphyric to plagioclase, plagioclase+hornblende and plagioclase+pyroxene–phyric; and weather white. Matrix to the conglomerate is a pyroxene crystal–rich litharenite derived primarily from volcanic sources. Up section, the volcanic stratigraphy fines and is replaced by thinly bedded, interlayered sandstone and siltstone, calcareous fossiliferous wacke and argillaceous mudstone. Calcareous centimetre-thick beds of quartz, plagioclase and chert/rhyolite lithic wacke weather yellow and contain abundant belemnoids, bivalves and coaly plant fragments. Early Callovian ammonites and numerous other less diagnostic fossils were reported from similar sedimentary rocks located 800 m southeast (Collection GSC C-143395, as discussed in Diakow et al. 1997).

The stratigraphy of the Upper Cretaceous Kasalka Group is described in detail by Kim *et al*. (2016). It is composed of a basal conglomerate, felsic to intermediate volcaniclastic rocks, flow banded rhyolite, and locally columnar-jointed andesite flows. It is well exposed in the vicinity of the Blackwater mine, including a prominent ridge that follows the eastern faulted(?) contact with the Laidman batholith. Observations from drill core at the Blackwater mine indicate that the Kasalka Group was deposited unconformably on the Ashman Formation (Looby, 2015). This is in contrast with observations along the Blackwater access road where the Ashman Formation is overlain by Nechako Formation basalt, suggesting that the Kasalka Group was deposited onto a significant erosional surface (Angen *et al.,* 2016).

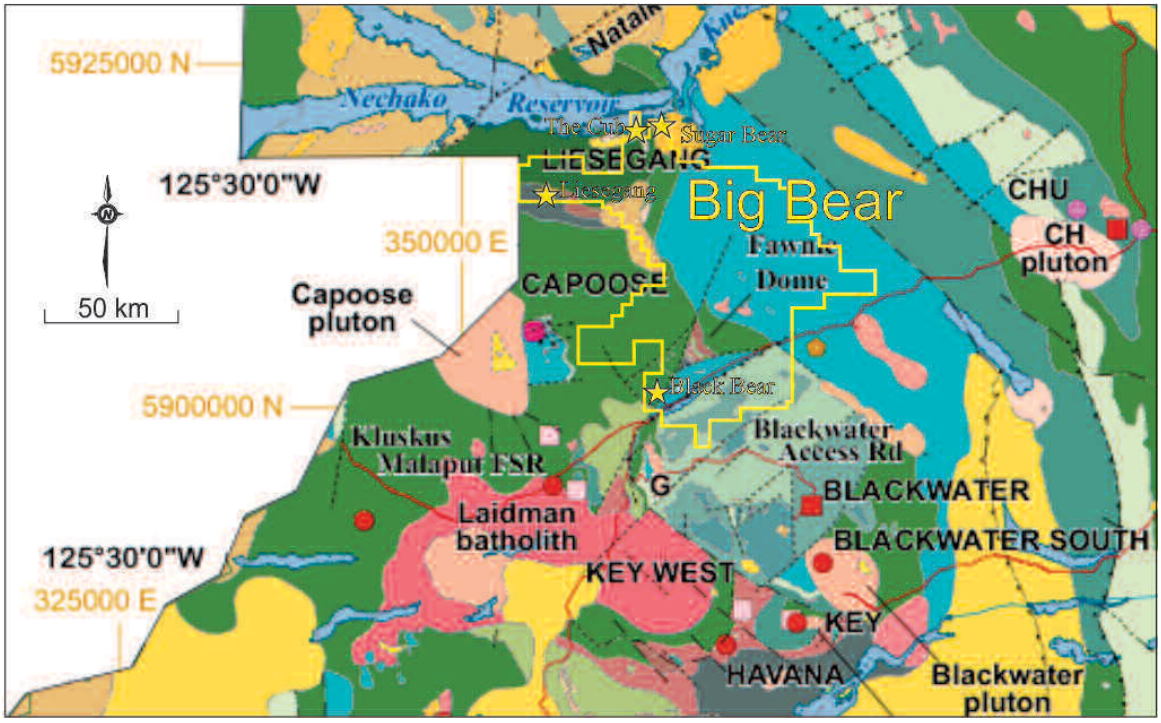

Figure 4. Property Geology (after Angen *et al.*, 2016)

Figure 5. Property Geology Legend (after Angen *et al.*, 2016)

7 Exploration History

The British Columbia Mineral Titles Online web site does not show any record of previous claim ownership prior to January 4, 2010, which is the date that Derrick Strickland staked claims covering the project area. Parlane Resource Corp. and Greencastle Resources Ltd. subsequently acquired them from Derrick Strickland. Deveron Resources Ltd. and Deveron UAS are, or were, associated with Greencastle Resources Ltd.

During the late 1960's Rio Tinto Canadian Exploration Ltd. carried out stream and lake sediment sampling surveys throughout the Nechako Plateau. Granges Exploration Ltd. undertook a regional stream sediment survey in 1973 that led to the discovery of gold mineralization at Blackwater on Mount Davidson. The BC Geological Survey undertook regional mapping, till sampling and regional lake sediment sampling programs throughout portions of NTS map sheet 93F during 1992, 1993 and 1994 (Diakow *et al*.; 1993, 1994, 1997).

Greencastle Resources Ltd. undertook an exploration program across the K1 to K28 claims, during October, 2010 that consisted of an airborne DIGHEM electromagnetic/resistivity/magnetic surveying over 1,450 line kilometres on 132 lines (Strickland 2011). Flight lines were flown east west with a line separation of 100 metres. Tie lines were flown orthogonal to the traverse lines with a line separation of 1000 metres. The services of Intrepid Geophysics Ltd. of North Vancouver, BC were engaged to undertake a detailed analysis of data collected during the survey conducted by Fugro and these data identified thirteen conductive areas. During 2012, Deveron Resources Ltd. developed soil sample grids over targets identified during the airborne survey (Strickland, 2013). The Old Crow mineral occurrence was discovered during this program. Deveron UAS collected 1,106 soil samples along 54 soil lines on 8 different grids across the 12,968-hectare KL1 – KL28. Spacing between samples was 50 metres and the lines were spaced 200 metres apart. Deveron also collected 47 rock samples, 88 stream sediment samples from across the property (Strickland 2013). Parlane acquired this property in 2016.

Geoscience BC discovered a native copper mineral occurrence in 2015 on the Big Bear property during the TREK 2 mapping project (Angen *et al.,* 2016). The occurrence was named the Liesegang because it is hosted by volcanic rocks containing large, irregular concentric rings known by that name. The deposit type is considered to be volcanic redbed.

There are no historical mineral resource or reserves estimates for the property and there has not been any mineral production.

In the late 1960's Rio Tinto Canadian Exploration Ltd. carried out stream and lake sediment sampling surveys throughout the Nechako Plateau. The BC Geological Survey undertook regional mapping, till sampling and regional lake sediment sampling programs throughout portions of the 93F map sheet in 1993 and 1994.

Parlane Resource Corp. undertook a stream silt and rock sampling program from June 14th to June 25th 2011 on the Big Bear property which consisted of 65 silt samples and 5 rock samples for a total cost of $17,093.03 (Strickland, 2012). Parlane Resource Corp. continued working the property until September 14, 2011 during which time 2,249 soil samples, 627 silt samples and 39 rock samples were collected and analyzed (Strickland, 2012). Little Bear Gold Corp. became the operating company for Parlane Resource Corp. in 2012. Exploration included soil sampling, 14 line kilometres of induced polarization geophysical surveying and 1,637 metres of core drilling in six holes (Webster, 2013). Additional soil sampling occurred in 2015 (Webster, 2015).

Deveron Resources contracted Fugro Airborne Surveys to fly an airborne electromagnetic and magnetic survey over the Nechako Property Deveron Resources Ltd. between October 21st and October 27th,

2010. A DIGHEM electromagnetic/resistivity/magnetic survey was flown. Coverage consisted of approximately 1450 line-km, including 132 line-km of tie lines. Flight lines were flown east-west (900/2700) with a line separation of 100 metres. Tie lines were flown orthogonal to the traverse lines with a line separation of 1000 metres. The services of Intrepid Geophysics Ltd. of North Vancouver, BC were engaged to undertake a detailed analysis of data collected by Fugro (Thom, 2010). This program was followed by soil sample grids developed over targets identified during the airborne survey. The Old Crow mineral occurrence was discovered during this program (Strickland, 2013)

8 Big Bear Property 2016 Exploration

Little Bear Gold Corp. began the 2016 field work at Big Bear Aug. 3, 2016. Initial emphasis was directed towards sampling and evaluating the Black Bear (MINFILE 093F 075) mineral occurrence that Parlane discovered in 2012 and the Old Crow mineral occurrence that Deveron discovered the same year. Work then concentrated on the Liesegang native copper occurrence, discovered by Geoscience BC in 2015, in the northwest corner of the claims, and on the newly discover Sugar Bear zone in the northeast corner.

At the Liesegang occurrence two north trending soil sample lines 500 metres apart were developed. Soils were collected from the B horizon at 50 metre intervals of 1.1 kilometres and 1.5 kilometres (Appendix 6). Fifty-one soil samples were collected. Mineralized float was sampled at the occurrence. Five rock samples were collected for assay. Snow cover hindered the exploration.

At the Sugar Bear occurrence a small grid was developed over the area. Soil samples were collected at 50 metre intervals. Forty-eight soil samples were collected (Appendix 7) and 8 rock (float) samples were collected.

9 Deposit Types

The Interior Plateau region of British Columbia is considered to have high exploration potential as it hosts a variety of deposit types including Late Cretaceous and Eocene epithermal Au and Ag deposits (e.g., Blackwater, Capoose and Wolf) and porphyry Cu and Mo deposits (e.g., Endako and Chu) ranging in age from Late Jurassic to Eocene (Angen *et al.,* 2016). R. A. Lane and T.R. Schroeter (1997) documented mineral occurrences in the northern Interior Plateau in order to determine their characteristics and to establish local geologic setting and controls. The publication is titled: “A Review of Metallic Mineralization in the Interior Plateau, Central British Columbia (Parts of 93B, C & F)”. Figure 9 is a schematic cross section showing mineral deposit settings, spatial relationships and ages.

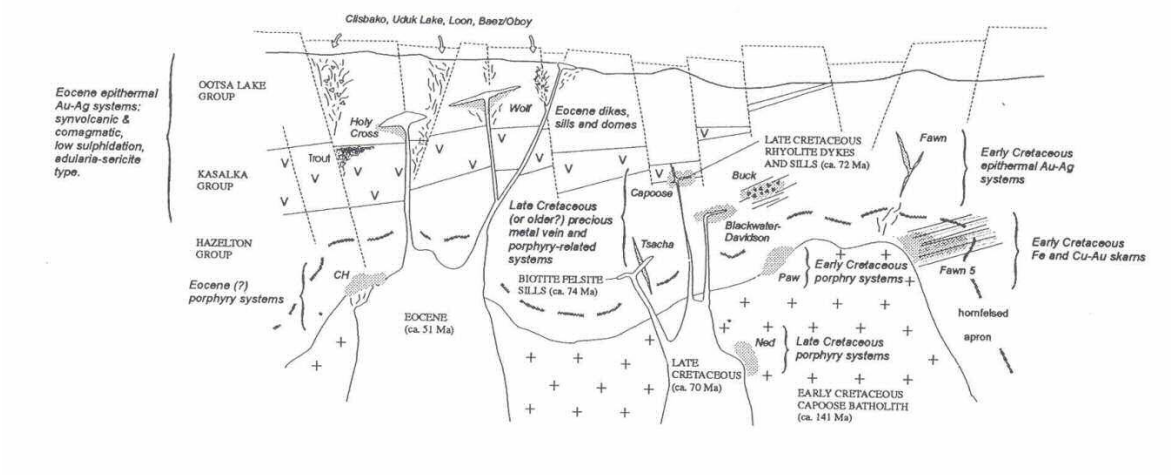

Figure 6. Schematic Section: Mineralization and Spatially or Genetically Related Intrusion (Lane & Schroeter, 1997)

Exploration on the Big Bear property is at an early stage and geological models have not yet been developed for the mineralization that has been discovered. The property is very large and the lithologies are variable, therefore it is possible that different deposit models should be considered. The Black Bear occurrence was discovered by drilling and the lack of alteration or definitive textures in the core has not yet led to a mineral deposit type being taken. The proximity to Blackwater and Capoose occurrence might suggest there is epithermal deposit potential but it lies considerably lower in elevation and in regional stratigraphy, therefore a porphyry system model should also be considered. Angen et al., (2016) suggests that mineralization at the Liesegang occurrence is analogous with volcanic redbed copper deposits and that the ubiquitous presence of Liesegang rings in the basalt unit, but not in the younger Naglico Formation or Nechako volcanics, suggests that a large hydrothermal system was active shortly after deposition. The volcanic redbed model has not been recognized in this area and indicates there may be potential for other deposit type to be recognized. In addition, it is noted by that there are geochemical similarities at the Liesegang to the crustally contaminated rift related basalts of the Iskut River Formation (Angen *et al.,* 2016). Other mineralization in the northern reaches of the Big Bear including Old Crow, The Cub and Sugar Bear should be considered to have the potential to be analogous to volcanogenic massive sulphide mineralization such as the Eskay Creek deposit in the Iskut River area.

10 Adjacent Properties

New Gold Inc.'s Blackwater and Capoose developed prospects are adjacent to the Big Bear (Figure 6). Blackwater is currently subject to a coordinated federal and provincial environmental review by the Canadian Environmental Assessment Agency and the BC Environmental Assessment Office. The following table shows a summary of reserves and resources for both properties (Christie *et al*., (2014), New Gold Inc. (2017) http://www.newgold.com/projects/blackwater/default.aspx)

Reserves		Blackwater	Capoose
	Gold	8.2 million ounces	-
	Silver	60.8 million ounces	-
Resources		**Blackwater**	**Capoose**
	Gold	1.1 million ounces	0.3 million ounces
	Silver	7.0 million ounces	12.6 million ounces

Table 2. Adjacent Properties Reserves and Resources

Cautionary statement: that the potential quantity indicated above has not been verified by the author and may not be indicative of the Big Bear property, the subject of this report. It has been provided only for illustration purposes

11 Results: analytical method and interpretation of results

Soil samples were collected from the B horizon and placed in Kraft paper bags. The sample bags were labelled with a unique sample number from the sample booklet and the tab from the sample booklet was place in the sample bag with the sample. The bags were sealed with a nylon cable tie. The GPS location (UTM coordinate, NAD 1983) was entered into the GPS and written into a field notebook. A description of the soil sample site was also recorded in the field note book. A ribbon was tied at the sample site with the sample number marked clearly in felt pen.

During 2016, soil and rock samples were analyzed at Bureau Veritas Commodities Canada Ltd., 9050 Shaughnessy St., Vancouver, BC V6P 6E5. Soil sample preparation (package SS80) involved drying <1 kg sample at 60°C, sieve up to 100 g to -180 µm (80 mesh) and aqua regia digestion. The analysis method (package AQ251) involved ICP-MS using on 15 grams; 37 elements. Rock sample preparation (package PRP70-250) involved crushing <1 kg to ≥70% passing 2 mm. Pulverize 250 g ≥85% 75µm. The rock analysis method (package MA270) involved a multi-acid digestion, ICP–ES & ICP-MS on 30 grams: 41 elements. Gold was by fire assay (package FA430) on 30 g with AA finish (detection limits 0.005 - 10 ppm). Bureau Veritas Commodities Canada Ltd holds global certifications for Quality ISO9001:2008. There is no relationship between Parlane Resource Cropland Bureau Veritas Commodities Canada Ltd. other than Parlane requesting the analyses of samples that it submits to the laboratory.

The results were plotted on a BC TRIM base map. Samples that met or exceeded the 95th percentile of the entire Big Bear data set were plotted using different symbols shapes and colours for the different elements that were plotted.

Soil samples collected at the Liesegang occurrence did not show a strong spatial relationship with the area of known native copper mineralization, however a single anomalous (>95th percentile) gold results occurrence immediately down slope from the occurrence. In addition, 4 soil samples that are anomalous in copper occur along the N-S soil line that is 500 metres east of the occurrence. Rock (float) samples collected assayed up to 3 per cent copper (Appendix 6).

Soils sampling at the Sugar Bear occurrence did not result in any anomalous values. Rock samples collected in the road bed assayed up to 3.46 g/t gold, up to 328.6 g/t silver, very high zinc (up to 18%) and high lead (Appendix 7).

12 Conclusions and Recommendations

The Liesegang and Sugar Bear occurrences produced assay values that should be followed up. Native copper mineralization at the Liesegang may occur over a broad area towards the east of the occurrence. Further detailed soil sampling and mapping is recommended followed by an IP survey. The Sugar Bear occurrence did not return any anomalous soil sample results but the volume and the grade of many of the samples collected from the road bed requires more exploration to determine the source of the mineralization. The poor soil sampling results may reflect disturbance created by the road building. It is recommended that trenching occur along the road in the area of mineralized float.

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14 Appendix 1: Statement of Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Ian Webster P.Geo./ Geologist	2016 Sept.16 - 23, Oct. 2 - 17	24	$650.00	$15,600.00	
John Adamowski B.Sc. / sampler	2016, Sept. 16 - 23	8	$250.00	$2,000.00	
Ryan Lick B.Sc. /sampler	2016, Sept. 16 - 23, Oct 2 -17	24	$250.00	$6,000.00	
Simon Carroll B.Sc. / sampler	2016, Oct 2 - 22	16	$250.00	$4,000.00	
				$27,600.00	**$27,600.00**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Literature search		0.0	$650.00	$0.00	
Database compilation	Ian Webster P.Geo.	0.5	$650.00	$325.00	
Report preparation	Ian Webster P.Geo.	2.0	$650.00	$1,300.00	
Other (specify)				$1,625.00	
				$3,250.00	**$3,250.00**
Airborne Exploration Surveys	**Line Kilometres / Enter total invoiced amount**				
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Remote Sensing	**Area in Hectares / Enter total invoiced amount or list personnel**				
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Ground Exploration Surveys	**Area in Hectares/List Personnel**				
Geological mapping					
Regional		*note: expenditures here*			
Reconnaissance		*should be captured in Personnel*			
Prospect		*field expenditures above*			
Underground	Define by length and width				
Trenches	Define by length and width			$0.00	**$0.00**
Ground geophysics	**Line Kilometres / Enter total amount invoiced list personnel**				
Other (specify)					
				$0.00	**$0.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Drill (cuttings, core, etc.)			$0.00	$0.00	
Stream sediment			$0.00	$0.00	
Soil	*99*	99.0	$27.00	$2,673.00	
Rock	*13*	13.0	$50.00	$650.00	
Other (specify)			$0.00	$0.00	
				$3,323.00	**$3,323.00**
Drilling	**No. of Holes, Size of Core and Metres**	**No.**	**Rate**	**Subtotal**	
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Other Operations	**Clarify**	**No.**	**Rate**	**Subtotal**	
Other (specify)			$0.00	$0.00	
				$0.00	**$0.00**
Reclamation	**Clarify**	**No.**	**Rate**	**Subtotal**	
Other (specify)			$0.00	$0.00	
Transportation		**No.**	**Rate**	**Subtotal**	
Airfare			$0.00	$0.00	
Taxi			$0.00	$0.00	
truck rental	30 days: four wheel drive pickup	24.00	$100.00	$2,400.00	

kilometers			$0.00	$0.00	
ATV	all wheel drive ATV	7.00	$55.00	$385.00	
fuel	fuel for 4x4 & ATV	24.00	$40.00	$960.00	
Helicopter (hours)			$0.00	$0.00	
Fuel (litres/hour)			$0.00	$0.00	
Other					
				$3,745.00	**$3,745.00**
Accommodation & Food	**Rates per day**				
Hotel	3 person nights		$135.00	$0.00	
Camp	17 days 1 cabin, 20 days 2 cabins	45.00	$120.00	$5,400.00	
Meals	person-days of meals	55.00	$50.00	$2,750.00	
				$8,150.00	**$8,150.00**
Miscellaneous					
Telephone		29.00	$2.50	$72.50	
Other (Specify)					
				$72.50	**$72.50**
Equipment Rentals					
Field Gear (Specify)	VHF radio	24.00	$5.00	$120.00	
Other (Specify)					
				$120.00	**$120.00**
Freight, rock samples					
	3.5 per pound	112.0	$3.50	$392.00	
			$0.00	$0.00	
				$392.00	**$392.00**
TOTAL Expenditures	**Event Number 5632975**				**$46,652.50**

15 Appendix 2: Statement of Qualification

Statement of Qualifications

I, Ian C.L. Webster certify that;

1. I am a geologist with a business address at 526 Joffre Street, Victoria, British Columbia, Canada, V9A 6C9.

2. I am a graduate of Brock University with a Bachelor of Geological Sciences (Honours) degree in Geology (1988).

3. I am a registered Professional Geoscientist (No. 19859) in The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I have been employed in the mineral exploration industry since 1982 and have practiced my profession continuously since 1988.

Dated at Victoria, British Columbia; April 18, 2017.

Ian Webster P.Geo.

16 Appendix 3: Soil Sample Descriptions and Results

Sample Number	Sampler	Date	Location	UTM Zone NAD83	Easting	Northing	Depth (cm)	Colour	Texture	% Clasts	Clast size (cm)	Clast shape	Analyte:	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
													Unit:	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
													RDL:	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575149	S. Carroll	12-Oct-16	Liesegang	10	356701	5914751	30	orange brown	sandy	7	1	subrounded	Soil	1.3	21.79	7.45	57.9	106	9	8.3	302	3.51	4	0.7	1.5	3.6	14.8	0.07	0.23	0.26	79	0.27	0.14	5.5	21.2	0.4	69.6	0.123	1	2.24	0.007	0.06	0.1	3.7	0.05	<0.02	38	<0.1	0.03	7.6
2575150	S. Carroll	12-Oct-16	Liesegang	10	356700	5914800	20	orange brown	sandy	15	1	subrounded	Soil	1.2	31.95	6.56	66.2	103	10.8	10.2	390	3.45	5.1	0.9	2.3	5.2	17.2	0.06	0.29	0.22	87	0.27	0.133	7.4	25.4	0.58	74.5	0.116	1	2.25	0.013	0.07	0.2	4.5	0.07	<0.02	38	<0.1	0.04	6.8
2575188	R. Lick	11-Oct-16	Liesegang	10	356200	5914797	25	brown	sandy	7	1	subrounded	Soil	0.65	19.02	7.59	41.3	105	7.3	8.6	264	2.93	4	0.4	<0.2	1.4	20.2	0.08	0.33	0.11	83	0.26	0.06	6.4	13.2	0.49	65.4	0.105	1	1.56	0.01	0.06	0.1	4.2	0.06	<0.02	41	<0.1	<0.02	7.2
2575189	R. Lick	11-Oct-16	Liesegang	10	356200	5914850	23	brown	sandy	5	0.5	subrounded	Soil	0.62	19.2	6.93	42.1	17	9	10.3	330	2.53	3	0.5	1	1.8	21.7	0.05	0.28	0.11	77	0.34	0.025	6.3	12.5	0.76	54.6	0.144	<1	1.56	0.011	0.05	0.1	4.7	0.04	<0.02	15	<0.1	<0.02	6.9
2575190	R. Lick	11-Oct-16	Liesegang	10	356200	5914900	30	brown	sandy	15	2	subrounded	Soil	0.53	82.97	5.28	42.5	81	11.6	10.5	640	2.45	4.9	1.8	1.9	3.3	45.2	0.08	0.25	0.11	70	0.61	0.03	16.5	18.7	0.81	95.9	0.113	<1	2.12	0.032	0.06	0.1	11.9	0.09	<0.02	34	0.3	<0.02	5.5
2575191	R. Lick	11-Oct-16	Liesegang	10	356200	5914945	25	orange brown	sandy	10	1	subrounded	Soil	1.05	19.77	5.2	42.9	44	9.6	10.2	274	3.25	7.1	0.5	0.2	2.1	21.3	0.07	0.28	0.09	90	0.31	0.061	6.5	16.7	0.48	55.1	0.115	1	1.68	0.009	0.06	0.1	3.8	0.03	<0.02	22	<0.1	<0.02	5.8
2575192	R. Lick	11-Oct-16	Liesegang	10	356200	5915000	32	dark brown	sandy	10	2	subrounded	Soil	0.46	27.29	4.13	40.6	57	13.4	13.9	435	3.28	6.3	0.6	1.9	1.3	33.3	0.08	0.41	0.06	96	0.48	0.033	6.4	16.3	1.08	70.9	0.144	2	1.69	0.014	0.07	0.1	6.2	0.03	<0.02	22	0.1	<0.02	5.3
2575193	R. Lick	11-Oct-16	Liesegang	10	356201	5915049	27	dark brown	sandy	10	2	subrounded	Soil	0.37	26.96	4.35	39.8	66	12.5	11.9	414	3.24	4.6	0.5	0.5	1.6	29.2	0.09	0.27	0.07	84	0.43	0.041	7.2	17.2	0.88	85.7	0.12	1	1.35	0.016	0.06	<0.1	5.3	0.04	<0.02	11	<0.1	0.02	3.9
2575194	R. Lick	11-Oct-16	Liesegang	10	356201	5915098	24	orange brown	sandy	5	1	angular	Soil	0.51	30.1	6.71	104.3	213	6.9	7.6	375	2.28	2	0.4	1.1	1.5	18.5	0.16	0.15	0.13	59	0.25	0.117	6.5	11.1	0.41	50.5	0.082	1	1.43	0.008	0.04	<0.1	3.6	0.04	<0.02	28	<0.1	<0.02	6.3
2575195	R. Lick	11-Oct-16	Liesegang	10	365197	5915154	33	yellow brown	sandy	5	1	subangular	Soil	0.96	117.61	6.37	46.8	95	10.5	7.8	244	3.63	4.8	0.6	0.3	3.1	29	0.1	0.25	0.15	96	0.41	0.06	7	26	0.37	118.3	0.118	1	1.61	0.008	0.04	0.1	3.4	0.05	<0.02	15	0.1	0.03	6.6
2575196	R. Lick	11-Oct-16	Liesegang	10	356200	5915200	27	orange brown	sandy	10	2	subrounded	Soil	0.7	10.03	7.27	65.7	211	6.4	7.4	229	2.59	2.6	0.4	<0.2	2.1	14.1	0.11	0.17	0.14	54	0.18	0.288	6.5	14.8	0.24	91	0.077	2	1.57	0.008	0.05	0.1	2.8	0.05	<0.02	45	0.1	<0.02	6.2
2575197	R. Lick	11-Oct-16	Liesegang	10	356201	5915250	20	brown	sandy	15	1	subrounded	Soil	0.78	16.04	7.26	60.4	104	8.7	8.5	481	2.8	3.2	0.6	<0.2	2.8	23.9	0.12	0.2	0.15	74	0.74	0.037	6.5	19	0.41	77.2	0.134	2	1.68	0.012	0.05	0.1	3.3	0.06	<0.02	23	<0.1	0.03	7.2
2575198	R. Lick	11-Oct-16	Liesegang	10	356200	5915300	24	brown	sandy	20	2	subrounded	Soil	0.82	35.28	6.79	47.9	135	11.4	9.2	301	3.14	4.6	0.6	<0.2	2.1	32.8	0.09	0.21	0.14	83	0.77	0.062	6.1	20.1	0.43	147.3	0.122	3	2.09	0.015	0.06	0.1	3.5	0.06	<0.02	31	0.2	0.02	7.3
2575199	R. Lick	11-Oct-16	Liesegang	10	356200	5915352	29	orange brown	sandy	20	1	subrounded	Soil	1.7	29.39	8.68	70.1	216	7.8	7.3	355	2.65	2.6	0.5	0.6	2.5	34.9	0.17	0.22	0.16	70	0.46	0.084	7.7	18.8	0.4	94.1	0.108	2	1.47	0.009	0.09	0.1	3.3	0.06	<0.02	36	0.1	<0.02	8
2575200	R. Lick	11-Oct-16	Liesegang	10	356199	5915400	26	brown	sandy	10	2	subrounded	Soil	1.23	10.98	7.88	93	155	7.6	10.4	467	2.79	2	0.4	30.5	2.6	22.3	0.14	0.18	0.15	74	0.29	0.082	6.5	19.3	0.32	91.7	0.117	<1	1.51	0.01	0.05	0.1	3.5	0.07	<0.02	27	<0.1	0.02	7.7
2575201	R. Lick	11-Oct-16	Liesegang	10	356200	5915450	30	brown	sandy	15	2	subrounded	Soil	0.98	16.33	7.39	34.2	114	5.5	7.2	256	1.97	1.2	0.6	<0.2	1.5	26.6	0.2	0.17	0.14	54	0.43	0.036	8.4	13.2	0.16	52.5	0.099	1	1.12	0.013	0.03	<0.1	2.4	0.05	0.02	35	0.2	<0.02	5.7
2575202	R. Lick	11-Oct-16	Liesegang	10	356204	5915505	33	dark brown	sandy	15	1	subrounded	Soil	0.36	24.11	4.84	42.3	196	8.4	6.7	353	2.26	1.5	1	0.8	1.8	52.4	0.14	0.21	0.13	45	1.56	0.062	11.7	18.5	0.43	86.4	0.086	2	1.46	0.052	0.06	0.1	4	0.08	0.04	29	0.7	<0.02	4.8
2575203	R. Lick	11-Oct-16	Liesegang	10	356201	5915550	26	yellow brown	sandy	7	0.5	subrounded	Soil	1.76	8.36	6.01	42.1	19	6.6	7	485	2.65	2.4	0.5	0.8	2.3	11.3	0.05	0.18	0.12	63	0.23	0.079	5.4	13.4	0.23	66.3	0.074	1	1.63	0.006	0.06	0.1	2.4	0.04	<0.02	28	<0.1	0.02	4.8
2575204	R. Lick	11-Oct-16	Liesegang	10	356200	5915600	23	yellow brown	sandy	15	0.5	subrounded	Soil	0.95	11.69	5.04	72.5	5	13	13.3	351	3.12	2.4	0.4	<0.2	2.3	14.4	0.04	0.28	0.11	83	0.24	0.069	5.6	30.7	0.72	46.3	0.123	1	1.66	0.009	0.07	0.1	4.4	0.06	<0.02	16	<0.1	<0.02	7.2
2575205	R. Lick	11-Oct-16	Liesegang	10	356200	5915699	20	brown	sandy	10	0.5	subrounded	Soil	1.16	9.5	6.37	38.3	10	5.9	5.5	154	2.26	2.3	0.5	1.9	2.1	14.9	0.04	0.18	0.11	61	0.21	0.031	6.8	12.6	0.24	74.5	0.108	<1	1.17	0.008	0.06	0.1	2.5	0.05	<0.02	11	<0.1	0.02	4.9
2575206	R. Lick	11-Oct-16	Liesegang	10	356201	5915750	20	brown	silty	2	0.5	subrounded	Soil	0.48	10.33	4.89	29.8	36	6.2	6.1	261	1.86	1.3	0.5	0.4	2	23.4	0.05	0.18	0.1	48	0.37	0.019	8	13.1	0.34	116.1	0.097	1	1.11	0.015	0.05	<0.1	3.3	0.05	<0.02	14	<0.1	<0.02	3.4
2575207	R. Lick	11-Oct-16	Liesegang	10	356200	5915800	30	brown	sandy	10	1	subrounded	Soil	0.33	11.6	4.15	40	34	6	5.2	186	2.14	2.3	0.7	0.6	2.1	27.8	0.07	0.17	0.12	44	0.62	0.024	6.2	14.4	0.43	81.9	0.088	<1	1.17	0.025	0.06	<0.1	3.8	0.05	<0.02	11	<0.1	<0.02	3.6
2575208	R. Lick	11-Oct-16	Liesegang	10	356200	5915852	25	dark brown	sandy	10	1	subangular	Soil	0.61	25.98	7.15	126.4	134	4.5	7.5	1408	1.84	1.1	0.7	0.3	1.1	56.2	0.74	0.2	0.22	34	1.93	0.047	8.7	9	0.23	195.7	0.04	5	1.11	0.013	0.07	<0.1	3.4	0.06	<0.02	36	0.1	<0.02	3
2575209	R. Lick	11-Oct-16	Liesegang	10	356201	5915900	22	brown	sandy	8	1	subangular	Soil	1.13	7.74	3.83	55.9	53	3.8	4.6	184	2.29	1.2	0.3	8.8	1.5	17.3	0.05	0.18	0.1	49	0.28	0.03	6.1	8.8	0.23	106.1	0.042	1	1.09	0.006	0.07	<0.1	2.2	0.04	<0.02	13	<0.1	<0.02	4.1
2575251	S. Carroll	12-Oct-16	Liesegang	10	356699	5914849	29	brown	sandy	15	1	subrounded	Soil	0.66	14.79	5.19	39.6	51	8.9	7.7	214	2.35	3.8	0.4	<0.2	1.9	19.6	0.04	0.25	0.13	62	0.29	0.036	6.1	13.3	0.43	74.1	0.096	<1	1.6	0.011	0.05	<0.1	3	0.05	<0.02	15	<0.1	<0.02	4.7
2575252	S. Carroll	12-Oct-16	Liesegang	10	356701	5914900	26	brown	sandy	12	1	subangular	Soil	0.5	35.74	6.63	95.1	34	11	9.6	285	2.48	8.2	0.5	0.4	1.9	17.5	0.07	0.23	0.12	62	0.35	0.083	8.2	13.9	0.48	76.8	0.083	1	2.16	0.006	0.07	<0.1	4.7	0.08	<0.02	21	<0.1	<0.02	6.4
2575253	S. Carroll	12-Oct-16	Liesegang	10	356700	5914950	18	brown	sandy	20	2	subangular	Soil	0.87	35.73	8.14	76	307	9.9	14.6	1342	2.92	6.4	0.4	0.6	1	31	0.13	0.16	0.11	89	0.77	0.092	7.2	12.5	0.76	96.5	0.089	3	2.27	0.009	0.1	<0.1	5.7	0.1	<0.02	57	0.1	<0.02	7.4
2575254	S. Carroll	12-Oct-16	Liesegang	10	356700	5915000	23	brown	sandy	10	1	subrounded	Soil	0.82	23.53	5.38	38.6	170	8.7	8.5	287	2.96	5.3	0.5	1.1	1.8	17.6	0.04	0.27	0.1	89	0.36	0.027	7.4	15.3	0.48	62.8	0.11	<1	1.68	0.008	0.04	0.1	3.7	0.06	<0.02	21	<0.1	0.03	5.8
2575255	S. Carroll	12-Oct-16	Liesegang	10	356700	5915050	33	brown	sandy	7	1	subrounded	Soil	0.44	118.87	4.06	28.6	68	8.3	6.9	311	2.3	33.9	0.8	2.6	2.1	23.6	0.04	0.56	0.09	79	0.56	0.02	7.9	17.2	0.45	70.9	0.094	2	1.44	0.019	0.05	<0.1	6.8	0.07	<0.02	19	0.1	<0.02	3.7
2575256	S. Carroll	12-Oct-16	Liesegang	10	356700	5915100	32	brown	sandy	5	0.5	subrounded	Soil	0.3	30.49	3.68	37.4	40	9.1	8.9	361	2.67	6.3	0.5	0.7	2.1	25	0.05	0.44	0.09	72	0.56	0.045	6.1	14.8	0.78	58.1	0.135	2	1.69	0.022	0.06	0.1	5.9	0.05	<0.02	12	<0.1	<0.02	5.4
2575257	S. Carroll	12-Oct-16	Liesegang	10	356700	5915150	29	brown	sandy	5	1	subrounded	Soil	0.64	17.16	4.55	42.1	36	8.1	7.8	223	3.03	5.7	0.5	<0.2	2	16	0.04	0.23	0.09	80	0.26	0.088	5.7	14.3	0.46	51.2	0.099	1	1.78	0.012	0.05	0.1	3.6	0.05	<0.02	23	<0.1	<0.02	5.7
2575258	S. Carroll	12-Oct-16	Liesegang	10	356700	5915200	35	brown	sandy	7	0.5	subrounded	Soil	0.36	56.87	4.05	63.7	83	11.2	11.2	343	2.6	11	0.5	0.4	1.7	20.1	0.08	0.19	0.08	73	0.46	0.041	5.8	12.8	0.87	81.9	0.113	2	2.27	0.017	0.05	<0.1	4.9	0.06	<0.02	15	<0.1	<0.02	6.3
2575259	S. Carroll	12-Oct-16	Liesegang	10	356700	5915249	26	dark brown	sandy	20	1	subrounded	Soil	0.41	25.53	7.89	66.2	146	7.8	11.9	410	3.75	7.9	0.5	<0.2	1.6	23.7	0.09	0.18	0.1	89	0.63	0.075	5.8	9.7	0.72	89.8	0.133	3	1.7	0.01	0.06	0.2	6.5	0.05	<0.02	31	<0.1	<0.02	7.3
2575260	S. Carroll	12-Oct-16	Liesegang	10	356701	5915350	27	brown	sandy	10	1	subrounded	Soil	1.15	14.42	7.65	64.8	215	9.1	10	713	3.72	4.2	0.6	<0.2	3.3	15.8	0.1	0.21	0.17	89	0.21	0.21	6.6	27.1	0.4	73.3	0.11	<1	1.98	0.009	0.06	0.2	3.8	0.07	<0.02	56	<0.1	0.02	8
2575261	S. Carroll	12-Oct-16	Liesegang	10	356707	5915389	25	brown	sandy	9	1	subrounded	Soil	0.67	16.21	4.37	51.1	150	11.5	9.6	513	3.05	5.4	0.5	0.5	2.1	18.9	0.13	0.26	0.09	77	0.24	0.04	6.5	16.6	0.54	57.3	0.107	2	1.54	0.013	0.05	0.2	4.2	0.05	<0.02	15	<0.1	<0.02	5
2575262	S. Carroll	12-Oct-16	Liesegang	10	356702	5915501	30	brown	sandy	12	1	subrounded	Soil	2.04	14.9	16.13	43.8	25	7.3	7.3	238	2.42	3.1	0.4	<0.2	1.7	15.6	0.06	0.25	0.12	68	0.22	0.039	5.7	13.4	0.34	64.8	0.122	1	1.4	0.008	0.06	<0.1	2.7	0.05	<0.02	25	<0.1	<0.02	6.3
2575263	S. Carroll	12-Oct-16	Liesegang	10	356700	5915550	30	brown	sandy	5	2	subrounded	Soil	0.76	14.41	5.26	69.5	21	9.8	9.2	250	3.15	4	0.5	0.2	2.7	16.1	0.08	0.19	0.11	72	0.2	0.168	6.4	18.8	0.4	87.5	0.096	1	1.7	0.008	0.05	0.2	3.5	0.05	<0.02	31	<0.1	<0.02	6.4
2575264	S. Carroll	12-Oct-16	Liesegang	10	356700	5915601	33	brown	sandy	7	1	subrounded	Soil	0.74	24.43	4.12	30.5	75	9.3	8.5	299	2.43	4.2	0.5	0.3	2	24.2	0.06	0.19	0.08	62	0.38	0.038	5.9	14.4	0.47	68.2	0.119	1	1.64	0.016	0.06	0.1	4.1	0.05	<0.02	22	<0.1	<0.02	4.4
2575265	S. Carroll	12-Oct-16	Liesegang	10	356699	5915650	30	brown	sandy	40	0.5	subrounded	Soil	1.28	19.67	9.12	45.9	124	13.6	9.4	301	2.94	6	0.5	0.5	2.3	44.9	0.09	0.23	0.17	71	0.42	0.053	7.7	20.6	0.43	91.6	0.153	<1	2.19	0.014	0.08	0.1	3.8	0.07	<0.02	21	<0.1	0.04	6.3
2575266	S. Carroll	12-Oct-16	Liesegang	10	356700	5915700	25	brown	sandy	15	1	subrounded	Soil	0.48	72.18	6.56	35.5	281	10.8	10	561	2.65	4.4	2.8	1.3	3.2	46.1	0.13	0.24	0.15	60	0.74	0.035	14.1	19.7	0.59	113.1	0.107	2	1.77	0.034	0.06	<0.1	5.8	0.12	<0.02	27	0.2	<0.02	5.6
2575267	S. Carroll	12-Oct-16	Liesegang	10	356701	5915752	26	brown	sandy	15	0.5	subrounded	Soil	0.28	32.73	7.16	63.6	72	10.9	11.2	315	2.37	5.9	2	0.9	3.9	40.4	0.08	0.3	0.13	55	0.72	0.086	12.6	17.3	0.71	70.6	0.12	1	1.15	0.026	0.08	<0.1	5.5	0.06	<0.02	18	<0.1	0.02	4.7
2575268	S. Carroll	12-Oct-16	Liesegang	10	356721	5915802	25	red brown	sandy	25	1	subrounded	Soil	0.32	11.23	3.61	32.8	44	6.2	5.2	269	2.04	3	0.6	0.6	2.7	28.6	0.05	0.27	0.07	47	0.42	0.053	10	14.5	0.36	52.4	0.089	<1	0.75	0.031	0.06	<0.1	4.1	0.04	<0.02	10	<0.1	<0.02	2.6
2575269	S. Carroll	12-Oct-16	Liesegang	10	356701	5915850	37	brown	silty	35	2	subangular	Soil	0.91	55.33	7.21	43.6	247	12	8.2	1273	2.81	4.1	3.5	0.4	2.4	82	0.35	0.36	0.15	45	1.41	0.047	18.8	20.6	0.5	179.3	0.062	2	1.93	0.024	0.12	<0.1	12.2	0.1	0.04	60	0.5	0.02	5.8
2575270	S. Carroll	12-Oct-16	Liesegang	10	356700	5915899	33	brown	sandy	3	1	subrounded	Soil	1.15	10.52	4.09	29.5	14	9.6	7.5	166	2.56	3.3	0.4	0.2	1.9	18.2	0.04	0.19	0.08	62	0.22	0.052	5.2	15.9	0.29	54.6	0.099	1	1.55	0.009	0.05	<0.1	2.4	0.04	<0.02	20	<0.1	<0.02	4.4
2575271	S. Carroll	12-Oct-16	Liesegang	10	356700	5915950	30	brown	sandy	17	1	subangular	Soil	0.62	6.93	4.07	38	11	6.6	4.8	153	2.2	2.5	0.4	<0.2	1.6	15.7	0.04	0.18	0.07	47	0.2	0.051	5.9	10.1	0.26	111.2	0.06	<1	1.48	0.006	0.05	<0.1	2.6	0.03	<0.02	11	<0.1	<0.02	3.8
2575272	S. Carroll	12-Oct-16	Liesegang	10	356702	5916000	30	brown	sandy	13	1	subangular	Soil	0.52	8.13	5.02	30	51	4.9	5.7	495	1.91	4	0.7	1.1	1.6	39.1	0.08	0.25	0.09	40	0.48	0.018	9.8	10.5	0.3	102.7	0.06	1	1.1	0.019	0.09	<0.1	4.8	0.05	<0.02	20	<0.1	<0.02	3.5
2575273	S. Carroll	12-Oct-16	Liesegang	10	356699	5916099	25	grey	silty	40	1	angular	Soil	0.54	25.4	5.8	50.5	95	7.7	6.9	649	2.49	2.6	1	<0.2	2.4	79.1	0.24	0.27	0.21	49	0.83	0.028	8.9	18.8	0.59	182.2	0.11	2	1.58	0.031	0.11	<0.1	6.7	0.07	<0.02	14	<0.1	<0.02	4.7
2575274	S. Carroll	12-Oct-16	Liesegang	10	356700	5916150	20	brown	sandy	15	1	subrounded	Soil	0.65	12.01	5.41	65	47	9.4	9.5	285	2.7	3.1	0.5	0.5	2.2	19.9	0.06	0.32	0.15	60	0.23	0.089	7.6	17.1	0.42	109.4	0.099	<1	1.75	0.008	0.06	0.1	3.2	0.06	<0.02	18	<0.1	0.03	4.6
2575275	S. Carroll	12-Oct-16	Liesegang	10	356700	5916201	15	brown	sandy	7	1	subrounded	Soil	0.63	6.99	6.07	40.7	46	6.2	5.5	158	2.03	2.7	0.4	0.5	1.8	14.3	0.04	0.17	0.11	49	0.19	0.074	6.1	11.4	0.21	73.4	0.073	<1	1.41	0.007	0.04	<0.1	2.4	0.04	<0.02	20	<0.1	<0.02	5.2
2575276	S. Carroll	12-Oct-16	Liesegang	10	356700	5916251	23	brown	sandy	8	1	subrounded	Soil	0.94	10.29	5.62	30.7	14	7.4	6.6	179	1.8	2	0.4	<0.2	1.6	20.1	0.04	0.15	0.09	47	0.21	0.028	6.4	12.9	0.29	98.3	0.095	<1	1.37	0.008	0.03	<0.1	2.8	0.06	<0.02	15	<0.1	<0.02	4.6
2575277	S. Carroll	12-Oct-16	Liesegang	10	356700	5916300	24	brown	sandy	7	1	subrounded	Soil	0.87	10.45	4.87	42.8	12	8.4	6.2	162	2.17	2.3	0.5	<0.2	2.3	19.2	0.04	0.14	0.1	53	0.19	0.047	6.1	15	0.27	81.5	0.095	<1	1.51	0.009	0.04	0.1	2.6	0.05	<0.02	13	<0.1	<0.02	4.8
2575210	R. Lick	13-Oct-16	Sugar Bear	10	366100	5919900	20	light brown	sandy	20	1	subrounded	Soil	0.93	20.51	12.01	62.7	115	16	8.2	575	2.72	10	0.6	1.7	2.8	40.2	0.14	0.45	0.12	60	0.65	0.04	13.5	19.6	0.42	87.9	0.111	2	1.27	0.031	0.08	<0.1	5.7	0.09	<0.02	26	<0.1	0.03	3.6
2575211	R. Lick	13-Oct-16	Sugar Bear	10	366053	5919900	25	light brown	sandy	17	1	subrounded	Soil	0.71	21.64	9.51	54.3	117	16.7	8	448	2.71	9.6	0.5	1.8	2.8	42.6	0.1	0.4	0.1	61	0.61	0.043	13.6	21	0.39	77.9	0.106	1	1.18	0.039	0.08	<0.1	5.2	0.07	<0.02	26	0.2	0.03	3.2
2575212	R. Lick	13-Oct-16	Sugar Bear	10	366010	5919900	34	light brown	sandy	8	1	subangular	Soil	0.9	10.49	14.26	50.1	127	13.1	6.4	354	2.37	9.7	0.4	49.5	1.9	26.9	0.07	0.33	0.09	59	0.34	0.037	7.5	21.5	0.28	56	0.105	<1	1	0.014	0.08	<0.1	3.2	0.06	<0.02	11	<0.1	0.02	3.3
2575213	R. Lick	13-Oct-16	Sugar Bear	10	365950	5919900	29	light brown	sandy	23	1	subangular	Soil	1.12	8.43	7.95	53.3	191	12.6	6.7	272	2.61	8.2	0.4	1.4	2	24.7	0.08	0.33	0.1	67	0.3	0.022	7.1	22.4	0.34	71.4	0.125	<1	1.1	0.01	0.05	<0.1	3.4	0.06	<0.02	10	<0.1	<0.02	3.5
2575214	R. Lick	13-Oct-16	Sugar Bear	10	365900	5919898	35	light brown	sandy	17	1	subangular	Soil	0.95	10.55	6.77	34.6	81	10.8	6	235	2.5	5.8	0.5	1.5	2.5	23.3	0.05	0.27	0.11	65	0.35	0.028	7.3	21.5	0.3	44.6	0.105	<1	1.14	0.009	0.1	0.1	2.8	0.05	<0.02	<5	<0.1	<0.02	3.2
2575215	R. Lick	13-Oct-16	Sugar Bear	10	365851	5919900	30	light brown	sandy	5	1	subangular	Soil	0.81	15.33	6.24	36.4	106	18.4	7.1	274	2.41	7.5	0.5	0.7	2.3	29.9	0.07	0.33	0.1	59	0.41	0.024	14.4	23.7	0.34	72.3	0.095	1	1.28	0.017	0.07	<0.1	5.7	0.08	<0.02	33	<0.1	<0.02	3.4
2575216	R. Lick	13-Oct-16	Sugar Bear	10	365849	5920002	27	light brown	sandy	10	1	subrounded	Soil	0.6	8.09	5.87	47.4	192	12.1	5.5	388	1.81	2.1	0.4	1.2	1.7	26.6	0.09	0.21	0.09	46	0.36	0.035	8.2	17.9	0.25	60.9	0.118	1	1.08	0.01	0.05	<0.1	2.8	0.05	<0.02	12	<0.1	<0.02	3.4
2575217	R. Lick	13-Oct-16	Sugar Bear	10	365902	5919999	21	light brown	sandy	7	1	angular	Soil	0.54	8.61	4.47	44.8	91	15.6	5.8	304	2.03	2.6	0.4	0.5	1.8	29.9	0.06	0.2	0.09	53	0.37	0.041	7.6	17.4	0.29	64.4	0.113	1	1.13	0.01	0.07	<0.1	3.2	0.05	<0.02	12	<0.1	<0.02	3.2
2575218	R. Lick	13-Oct-16	Sugar Bear	10	365950	5920000	35	light brown	sandy	13	1	subangular	Soil	0.77	12.35	7.57	44.9	94	14.6	6.5	397	2.3	4.5	0.5	1.2	2.3	32.6	0.08	0.27	0.12	60	0.46	0.034	10	21.5	0.3	52.7	0.137	2	1.08	0.013	0.08	<0.1	3.6	0.08	<0.02	12	<0.1	0.02	3.3
2575219	R. Lick	13-Oct-16	Sugar Bear	10	365995	5920003	34	light brown	sandy	10	1	subangular	Soil	0.64	20.15	5.99	39.2	78	20.1	7.1	342	2.55	6.9	0.6	10.4	2.7	44.2	0.05	0.39	0.1	63	0.43	0.037	14.7	24.5	0.34	77.6	0.119	1	1.3	0.017	0.06	<0.1	6.8	0.08	<0.02	23	<0.1	0.02	3.5
2575220	R. Lick	13-Oct-16	Sugar Bear	10	366050	5920003	37	light brown	sandy	13	1	subrounded	Soil	0.56	13.64	5.4	32.5	131	16.3	6.2	324	2.34	5.9	0.4	0.8	2.3	27.3	0.04	0.32	0.09	62	0.34	0.017	10.6	23.7	0.24	45.1	0.135	1	1.01	0.018	0.09	<0.1	5.4	0.08	<0.02	20	<0.1	<0.02	3.1
2575221	R. Lick	13-Oct-16	Sugar Bear	10	366168	5920000	34	grey	silty	10	1	subangular	Soil	0.68	18.31	8.26	44.1	112	14.8	7.2	357	2.66	6.9	0.7	1.3	2.9	45.6	0.08	0.35	0.13	61	0.71	0.051	14.9	21.1	0.38	74.4	0.115	1	1.31	0.039	0.07	0.1	5.1	0.07	<0.02	21	<0.1	0.03	3.8
2575222	R. Lick	13-Oct-16	Sugar Bear	10	366103	5920100	36	light brown	sandy	11	1	subangular	Soil	0.7	15.81	7.9	50	100	12.6	6.4	375	2.51	8	0.5	1.2	2.5	31.2	0.07	0.39	0.09	62	0.41	0.034	11.4	19.9	0.25	57.9	0.128	<1	1.12	0.018	0.08	<0.1	4.8	0.08	<0.02	54	<0.1	<0.02	3.3
2575223	R. Lick	13-Oct-16	Sugar Bear	10	366050	5920100	33	light brown	sandy	8	1	subangular	Soil	0.5	13.22	5.7	36.7	73	11.7	5.1	284	1.91	4.7	0.5	0.4	1.9	34.3	0.04	0.25	0.07	45	0.41	0.061	9.4	18.3	0.27	53.2	0.103	<1	0.87	0.022	0.06	0.1	3.6	0.06	<0.02	14	<0.1	<0.02	2.7
2575224	R. Lick	13-Oct-16	Sugar Bear	10	366005	5920100	39	brown	sandy	2	0.5	subrounded	Soil	0.71	10.88	5.51	36.9	68	10.3	5.8	540	1.95	3.8	0.4	0.8	1.9	39.3	0.08	0.23	0.08	48	0.57	0.037	9.1	17.8	0.24	74	0.104	1	0.91	0.015	0.06	<0.1	3.2	0.05	<0.02	32	0.1	<0.02	2.9
2575225	R. Lick	13-Oct-16	Sugar Bear	10	365949	5920102	36	grey brown	sandy	5	1	subangular	Soil	0.59	15.04	4.92	33.1	69	11	5.5	365	2.16	4.9	0.4	0.8	2.2	40.4	0.11	0.28	0.1	54	0.6	0.049	11.8	19	0.23	67.4	0.122	1	0.97	0.019	0.08	<0.1	4.2	0.05	<0.02	21	<0.1	<0.02	3
2575226	R. Lick	13-Oct-16	Sugar Bear	10	365900	5920100	32	light brown	sandy	10	1	subrounded	Soil	0.59	10.74	4.79	28.7	45	10.5	5.9	268	2.27	5	0.4	0.5	2.1	29.4	0.03	0.28	0.09	59	0.37	0.025	8.5	20.9	0.25	52.1	0.129	<1	1.04	0.015	0.06	<0.1	3.2	0.07	<0.02	13	<0.1	0.02	3.1
2575227	R. Lick	13-Oct-16	Sugar Bear	10	365850	5920102	34	light brown	sandy	4	1	subrounded	Soil	0.62	14.27	5.75	35	97	13	6.6	284	2.36	5.4	0.5	0.5	2.6	33.3	0.05	0.31	0.11	60	0.44	0.04	10.5	23.1	0.27	48.7	0.137	<1	1.13	0.016	0.14	0.1	4.2	0.08	<0.02	13	<0.1	<0.02	3.2

17 Appendix 4: Rock Sample Descriptions and Results

Sample Number	Type	Sampler	Zone/Area	Date	UTM Zone NAD'83	Easting	Northing	Rock name	Description/Comments
2568500	rock	I. Webster	Liesegang	22-Sep-16	10	356266	5915341	basaltic	Quartz and epidote with possible calcite vein material in float. Carried native copper.
2575003	rock	I. Webster	Liesegang	12-Oct-16	10	356917	5915410	rhyolite	Liesegang area.rhyoilte crustal tuff. 30% quartz eyes clear, subhedral, 2-7 mm ~1%. Biotite. WHite weathering.<1% very fine <1 mm sulphide crystals. Asay to see if rhyolite carries metal values.
2575004	rock	S. Carroll	Liesegang	11-Oct-16	10	356206	5915133	basaltic	Liesegang rings in basaltic red rocks. Rock containing 1mm sulphide crystals. Simon suspected native copper because of black tarnish. Rock contains numerous parallel 1 mm veinlets and these contain the <1 % sulphides.
2575005	rock	I. Webster	Sugar Bear	16-Oct-16	10	366018	5919761	siltstone	Large angular boulder of rusty siltstone with massed of grey oxidized sulphide. Masses to 5 cm with subrounded shape suggesting syn-depositional mineralization (sedex). Some quarts veining.
2575006	rock	I. Webster	Sugar Bear	16-Oct-16	10	366014	5919810	siltstone	grey oxidized sulphide masses with yellowish alteration halo surrounding.
2575007	rock	I. Webster	Sugar Bear	16-Oct-16	10	366014	5919847	siltstone	blackish silstone with ~15% disseminated sulphides in bands. Pyrite is ostly euhedral 0.5-1.5 mm.
2575008	rock	I. Webster	Sugar Bear	16-Oct-16	10	366019	5919802	siltstone	select grad sample of black silstone cut by 1-2 mm wide sulphide veinlets forming ~8% or rock.
2575009	rock	I. Webster	Sugar Bear	16-Oct-16	10			siltstone	two rocks in road track. Quartz veining ~3.5 cm wide. Elongate quartz crystals bounding vein margins. Blackish irredecent-like mineral. Mild fizz to HCl. Photo.
2575010	rock	I. Webster	Sugar Bear	16-Oct-16	10	366007	5919906	siltstone	large boulder on side of road. 4 cm wide quartz vein withblack mineral - possible black jack, calcite, sulphides. Photo.
2575011	rock	I. Webster	Sugar Bear	16-Oct-16	10	366000	5920137		Roadside boulder. Siltstone with fine layering and fine disseminated sulphides - pyrite.
2575012	rock	I. Webster	Liesegang	22-Sep-16	10	356269	5915341	basaltic	Quartz and epidote with possible calcite vein material in float. Carried native copper.
2575013	rock	I. Webster	Liesegang	22-Sep-16	10	356270	5915341	basaltic	Quartz and epidote with possible calcite vein material in float. Carried native copper.
2575014	rock	I. Webster	Sugar Bear	22-Sep-16	10	366020	5919776	basaltic	float of sedimentary siltstone carrying thick sulphide-rich vein with blackish mineral and possible arsenopyrite.

Sample Number	Method	WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd
	Unit	Kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5
2568500	Rock																
2575003	Rock	1.04	<0.005	4.2	3	6.8	31	<0.5	1.8	1	577	1.07	20	3.3	6.6	110	<0.5
2575004	Rock	1.15	0.005	0.6	20.8	7.2	122	<0.5	6.7	34	1788	8.71	<5	1.1	2.4	679	<0.5
2575005	Rock	1.09	0.015	0.7	124.3	18.1	8954	2.1	65.3	8	1432	4.85	55	0.8	1.9	22	52.3
2575006	Rock	1.11	0.025	1.4	267.7	28.4	3320	3.5	89.2	20	2303	5.57	47	1.1	2.2	25	19
2575007	Rock	1	0.038	1	206.8	22.4	4891	2.1	107.8	14	2498	6.12	99	1.2	2.3	31	29.2
2575008	Rock	1	0.043	2.4	170.5	29.7	5200	3.7	156.6	17	1268	7.33	77	1.4	3.4	14	33.9
2575009	Rock	1.12	0.037	1.3	202.7	51.6	17253	8.5	79.8	6	5498	3.18	36	0.6	1.4	97	98.6
2575010	Rock	1.12	0.152	1	966.5	88.5	45268	11.1	68.2	17	3748	6.18	95	0.7	1.6	44	272.8
2575011	Rock	1.51	0.018	1.4	189.1	20.6	2130	1.6	155.4	21	3076	5.85	42	1.1	2.2	48	12.1
2575012	Rock	0.64	0.006	<0.5	27470.3	10.9	48	7.2	5	9	2143	7.78	37	1.2	1.4	3737	0.8
2575013	Rock	0.5	<0.005	<0.5	30082.9	11.2	93	8.6	3.8	8	1803	7.54	39	0.6	0.8	3619	0.8
2575014	Rock	0.98	3.476	<0.5	5346.3	2298.5	184290	328.6	109.4	80	3006	27.64	1391	<0.5	<0.5	25	1184.9

Sample Number	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf	Se
	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	0.5	0.5	10	0.01	0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05	0.5	0.5	5
2568500																											
2575003	0.6	<0.5	12	0.89	0.02	30.3	4	0.1	621	0.117	6.62	2.6	2.76	0.8	51.9	55	1.9	11.5	15.2	1.1	<5	<1	10.7	<0.05	53.9	2	<5
2575004	<0.5	<0.5	422	4.23	0.1	13	6	2.35	471	0.664	8.35	2.87	1.63	0.6	71.8	26	0.9	22.3	3	<0.5	<5	33	27.3	<0.05	31.5	1.8	<5
2575005	3.8	0.6	82	0.57	0.04	5.1	151	0.47	246	0.121	3.36	0.02	1.5	2.6	36.7	11	0.5	7.6	2.4	<0.5	<5	7	7.3	3.87	50.2	1.1	<5
2575006	5	1.6	85	0.48	0.03	14.8	147	0.58	294	0.152	3.84	0.03	1.48	1.7	42.4	26	<0.5	8.6	3.1	<0.5	<5	7	6.6	3.19	46	0.9	<5
2575007	4.6	0.6	89	0.45	0.04	8.9	138	0.64	348	0.143	3.93	0.03	1.51	1.8	44.3	17	0.8	8.5	3	<0.5	<5	8	8.2	4.1	47.7	1.4	<5
2575008	5.2	0.7	149	0.11	0.07	11.1	99	1.2	386	0.295	6.06	0.04	2.19	2	64.5	23	1.4	11.5	4.7	<0.5	<5	13	8.6	4.82	73.1	1.8	<5
2575009	1.4	1.3	58	2.8	0.02	7.2	119	0.98	205	0.106	2.65	0.02	0.97	2	30.3	13	<0.5	6.6	1.8	<0.5	<5	5	12.5	1.19	34.5	0.6	<5
2575010	3.2	16.4	67	1.25	0.03	8.9	91	0.7	265	0.125	3.12	0.02	1.11	1.6	31.1	16	1.1	6.9	2.3	<0.5	<5	6	10.8	4.55	38.1	1	<5
2575011	3.4	0.9	97	1.27	0.04	14.2	211	1.16	290	0.19	4.38	0.03	1.58	1.1	49.5	26	1.2	13.2	3.7	<0.5	<5	9	15.2	2.81	52.2	1.1	<5
2575012	<0.5	<0.5	405	16.54	0.06	7.5	7	0.73	9	0.397	8.51	0.03	<0.01	<0.5	45.9	15	0.6	15	1.7	<0.5	<5	25	4	<0.05	<0.5	1.1	<5
2575013	<0.5	<0.5	383	16.76	0.04	4.6	8	0.49	7	0.223	8.35	0.02	<0.01	<0.5	26.3	9	<0.5	9.4	0.9	<0.5	<5	13	4.1	<0.05	<0.5	1	<5
2575014	4.9	300	<10	1.08	<0.01	<0.5	6	0.17	21	0.003	0.08	<0.01	<0.01	3.2	0.5	<5	<0.5	0.8	<0.5	<0.5	<5	3	3.4	>30.00	0.7	<0.5	17

18 Appendix 5: Laboratory Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Submitted By: Ian Webster
Receiving Lab: Canada-Vancouver
Received: October 20, 2016
Report Date: November 29, 2016
Page: 1 of 9

CERTIFICATE OF ANALYSIS VAN16002015.1

CLIENT JOB INFORMATION

Project: Big Bear
Shipment ID: BB2016-4
P.O. Number
Number of Samples: 226

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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
Dry at 60C	226	Dry at 60C			VAN
SS80	226	Dry at 60C sieve 100g to -80 mesh			VAN
AQ251	226	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
DRPLP	226	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

Invoice To: Little Bear Gold Corp.
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6
Canada

CC: Robert Eadie

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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.

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: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2568008	Soil		0.54	5.20	4.26	26.6	19	6.7	5.4	188	2.08	3.5	0.6	3.0	1.8	21.9	0.03	0.18	0.09	52	0.26	0.014
2568009	Soil		0.56	16.43	5.69	39.4	61	10.7	7.4	372	2.55	4.3	0.6	1.8	3.5	66.7	0.04	0.26	0.16	59	0.97	0.053
2568010	Soil		0.69	8.14	6.17	49.7	57	13.8	10.1	454	2.82	5.1	0.3	1.1	1.9	36.4	0.04	0.19	0.11	65	0.34	0.032
2568011	Soil		0.38	14.92	3.50	25.7	36	7.1	5.2	286	1.65	2.7	0.4	0.9	2.2	381.5	0.07	0.20	0.11	43	9.40	0.059
2568012	Soil		0.46	7.28	4.24	59.9	69	10.6	6.5	386	2.25	2.7	0.4	14.0	1.9	14.9	0.04	0.15	0.09	51	0.22	0.082
2568013	Soil		0.26	6.60	4.80	31.0	67	6.6	5.6	291	2.05	1.7	0.3	15.1	2.0	174.1	0.03	0.13	0.12	43	1.86	0.022
2568014	Soil		0.63	8.02	4.97	38.5	84	9.4	6.0	255	2.27	3.2	0.4	99.1	2.5	20.9	0.03	0.20	0.12	56	0.27	0.023
2568015	Soil		0.56	6.81	4.06	29.9	46	8.8	6.8	270	2.28	4.4	0.4	1.8	2.1	19.2	0.02	0.19	0.07	59	0.25	0.030
2568016	Soil		0.65	6.44	4.41	34.4	60	11.3	5.3	218	1.98	2.6	0.5	0.8	1.6	19.9	0.04	0.20	0.09	47	0.25	0.018
2568017	Soil		0.65	8.77	4.74	34.8	103	9.9	5.9	324	2.33	3.7	0.4	0.7	2.3	21.6	0.02	0.21	0.09	58	0.30	0.031
2568018	Soil		0.79	9.56	5.10	45.2	167	12.0	5.5	257	2.33	5.6	0.3	0.3	1.5	18.8	0.06	0.29	0.11	56	0.24	0.035
2568019	Soil		0.71	8.49	4.42	36.0	73	8.3	5.6	285	2.31	3.3	0.4	0.5	1.5	20.9	0.02	0.18	0.09	57	0.29	0.032
2568020	Soil		0.44	7.30	5.42	64.9	79	19.4	9.6	405	2.95	4.8	0.5	<0.2	2.2	23.7	0.05	0.18	0.09	66	0.34	0.064
2568021	Soil		0.61	7.71	3.96	30.6	23	6.9	5.1	204	2.33	3.9	0.3	0.9	1.5	18.6	0.01	0.21	0.08	59	0.25	0.016
2568022	Soil		0.45	8.97	4.38	52.2	41	11.0	6.4	324	2.29	2.3	0.5	0.3	2.1	18.4	0.03	0.17	0.09	54	0.25	0.052
2568023	Soil		0.58	6.17	4.06	35.8	38	8.7	5.4	240	2.12	2.9	0.3	<0.2	1.7	17.3	0.02	0.17	0.08	52	0.24	0.032
2568024	Soil		0.44	7.35	4.81	59.4	39	15.8	8.4	308	2.73	3.3	0.3	<0.2	1.6	19.2	0.04	0.17	0.08	61	0.24	0.049
2568025	Soil		0.70	8.56	4.15	30.5	49	8.4	5.2	224	2.13	4.2	0.4	0.8	1.7	19.8	<0.01	0.20	0.09	51	0.26	0.025
2568026	Soil		0.47	7.26	4.47	46.5	43	11.6	7.4	452	2.42	3.0	0.4	0.3	2.0	20.6	0.05	0.17	0.07	56	0.29	0.056
2568027	Soil		1.44	12.50	6.04	69.3	154	21.2	7.7	225	2.68	12.7	0.3	<0.2	1.0	24.4	0.11	0.48	0.10	48	0.25	0.078
2568028	Soil		0.58	7.83	4.59	39.7	63	11.1	6.5	269	2.51	2.8	0.4	0.2	1.9	21.3	0.01	0.21	0.08	59	0.30	0.032
2568029	Soil		0.47	7.39	3.68	35.9	15	10.9	7.7	283	2.28	3.3	0.3	0.5	1.8	19.2	0.02	0.18	0.06	55	0.28	0.023
2568030	Soil		0.79	6.76	4.19	39.5	56	12.2	6.0	560	2.05	1.9	0.3	<0.2	1.2	20.1	0.04	0.14	0.08	46	0.27	0.044
2568031	Soil		0.74	7.64	3.92	43.6	45	29.5	7.1	247	2.72	5.6	0.3	<0.2	1.4	19.0	0.02	0.18	0.07	63	0.23	0.020
2568032	Soil		0.40	7.99	4.26	47.9	21	16.9	8.7	375	2.69	3.6	0.4	<0.2	2.2	19.2	0.02	0.19	0.07	60	0.29	0.085
2568033	Soil		0.37	11.07	3.93	41.4	18	14.2	8.2	381	2.45	3.6	0.4	<0.2	2.3	18.4	0.04	0.20	0.06	54	0.27	0.071
2568034	Soil		0.45	9.41	4.20	68.4	42	13.0	7.1	307	2.53	2.7	0.4	<0.2	1.9	13.9	0.07	0.17	0.07	58	0.21	0.084
2568035	Soil		0.39	8.32	4.31	44.6	29	23.0	9.0	409	2.74	4.7	0.5	<0.2	2.8	21.2	0.03	0.20	0.06	61	0.33	0.068
2568036	Soil		0.60	8.91	3.92	36.1	53	19.3	6.1	224	2.43	4.5	0.4	0.3	1.7	19.6	0.02	0.22	0.09	58	0.24	0.016
2568037	Soil		0.56	7.53	3.68	43.5	25	25.3	7.4	259	2.56	3.4	0.3	0.5	1.5	19.3	0.02	0.19	0.06	58	0.23	0.019

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: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2568008	Soil	5.7	18.8	0.28	44.3	0.111	<1	0.83	0.014	0.04	<0.1	2.9	0.05	<0.02	13	<0.1	<0.02	2.9
2568009	Soil	16.7	19.4	0.43	83.8	0.136	<1	1.15	0.040	0.06	0.1	4.9	0.07	<0.02	19	<0.1	0.03	3.8
2568010	Soil	5.5	21.7	0.51	65.6	0.131	<1	1.38	0.016	0.11	0.1	2.8	0.06	<0.02	12	<0.1	0.02	4.7
2568011	Soil	7.9	11.7	0.56	131.5	0.096	<1	0.64	0.036	0.03	0.1	2.3	0.06	0.02	31	<0.1	0.04	2.2
2568012	Soil	6.3	17.0	0.32	97.5	0.074	<1	1.19	0.009	0.05	<0.1	2.7	0.05	<0.02	8	<0.1	<0.02	3.9
2568013	Soil	7.9	15.6	0.53	86.8	0.099	1	1.04	0.021	0.08	<0.1	3.5	0.05	<0.02	12	<0.1	0.02	3.6
2568014	Soil	7.4	19.9	0.28	66.9	0.118	<1	1.09	0.010	0.06	0.1	3.5	0.06	<0.02	12	<0.1	<0.02	3.7
2568015	Soil	7.6	21.9	0.27	46.0	0.112	<1	0.84	0.012	0.05	<0.1	3.5	0.06	<0.02	12	<0.1	<0.02	2.9
2568016	Soil	6.2	18.0	0.25	61.4	0.095	<1	0.93	0.010	0.04	<0.1	2.5	0.05	<0.02	11	<0.1	<0.02	3.1
2568017	Soil	7.6	19.3	0.29	87.0	0.126	<1	1.01	0.012	0.04	<0.1	3.0	0.05	<0.02	9	<0.1	<0.02	3.4
2568018	Soil	6.6	18.2	0.25	75.7	0.089	<1	0.93	0.009	0.05	0.1	2.5	0.04	<0.02	28	<0.1	<0.02	3.4
2568019	Soil	6.0	15.7	0.35	71.2	0.095	<1	1.08	0.009	0.08	<0.1	2.7	0.04	<0.02	10	<0.1	<0.02	4.1
2568020	Soil	6.1	21.3	0.48	86.4	0.101	<1	1.39	0.011	0.06	<0.1	3.0	0.05	<0.02	9	<0.1	0.02	4.7
2568021	Soil	6.3	17.8	0.24	69.3	0.117	<1	0.86	0.010	0.06	<0.1	2.7	0.04	<0.02	18	<0.1	<0.02	3.2
2568022	Soil	8.5	20.0	0.33	76.0	0.099	<1	1.25	0.010	0.04	<0.1	3.9	0.05	<0.02	13	<0.1	<0.02	4.0
2568023	Soil	6.1	17.1	0.28	90.4	0.104	<1	1.07	0.009	0.05	<0.1	2.6	0.04	<0.02	9	<0.1	<0.02	3.6
2568024	Soil	5.3	19.5	0.47	66.4	0.087	<1	1.36	0.009	0.06	<0.1	2.6	0.04	<0.02	9	<0.1	<0.02	4.7
2568025	Soil	6.6	17.3	0.28	69.1	0.114	<1	0.89	0.010	0.05	0.1	2.7	0.04	<0.02	8	<0.1	<0.02	3.2
2568026	Soil	8.4	22.7	0.31	64.1	0.099	<1	1.07	0.009	0.07	<0.1	4.1	0.04	<0.02	13	<0.1	<0.02	3.6
2568027	Soil	5.5	16.2	0.24	93.9	0.035	1	0.98	0.006	0.09	<0.1	3.0	0.08	<0.02	36	<0.1	0.03	3.4
2568028	Soil	7.0	23.5	0.33	66.3	0.129	<1	1.00	0.012	0.05	<0.1	2.9	0.06	<0.02	10	<0.1	<0.02	3.6
2568029	Soil	5.3	20.7	0.36	36.3	0.104	<1	0.90	0.010	0.06	<0.1	2.9	0.05	<0.02	<5	<0.1	<0.02	3.1
2568030	Soil	5.9	17.5	0.30	76.3	0.077	<1	1.07	0.008	0.06	<0.1	2.5	0.04	<0.02	11	<0.1	<0.02	3.8
2568031	Soil	5.5	37.3	0.58	65.4	0.087	<1	1.30	0.009	0.04	<0.1	2.9	0.05	<0.02	10	<0.1	<0.02	4.5
2568032	Soil	6.3	21.0	0.50	84.5	0.089	<1	1.25	0.010	0.06	<0.1	2.9	0.04	<0.02	8	<0.1	<0.02	3.9
2568033	Soil	7.8	20.0	0.48	69.5	0.079	<1	1.10	0.008	0.05	<0.1	3.8	0.05	<0.02	<5	<0.1	0.02	3.8
2568034	Soil	6.2	20.8	0.36	61.8	0.077	<1	1.18	0.008	0.05	<0.1	2.9	0.05	<0.02	12	<0.1	<0.02	4.2
2568035	Soil	7.3	24.3	0.55	80.2	0.080	<1	1.26	0.010	0.06	<0.1	3.2	0.04	<0.02	10	<0.1	<0.02	3.7
2568036	Soil	6.3	24.6	0.36	58.2	0.128	<1	0.96	0.010	0.04	0.1	2.8	0.05	<0.02	7	<0.1	<0.02	3.3
2568037	Soil	5.8	27.8	0.39	50.9	0.094	<1	1.01	0.009	0.04	<0.1	3.3	0.04	<0.02	14	<0.1	<0.02	3.8

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Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2568038	Soil		0.62	4.34	5.58	41.5	107	8.2	5.2	432	1.92	1.5	0.3	<0.2	1.3	24.4	0.07	0.15	0.12	48	0.36	0.033
2568039	Soil		1.29	13.46	4.71	42.3	221	22.0	6.1	509	1.93	8.6	0.2	0.7	0.4	43.9	0.17	0.37	0.08	35	0.71	0.043
2568040	Soil		0.62	5.88	4.23	33.2	79	10.1	5.1	342	2.07	2.4	0.3	1.2	1.5	21.0	0.02	0.17	0.08	52	0.27	0.034
2568041	Soil		0.84	8.80	4.22	36.9	54	16.2	6.5	258	2.78	5.0	0.4	0.3	2.0	20.3	0.02	0.22	0.08	70	0.27	0.031
2568042	Soil		0.59	6.24	4.28	57.4	92	21.2	6.7	296	2.45	2.7	0.3	2.7	1.5	19.0	0.06	0.19	0.07	57	0.28	0.052
2568043	Soil		0.62	10.27	5.60	62.8	95	18.3	9.6	549	3.12	4.8	0.4	<0.2	2.1	26.6	0.08	0.22	0.09	70	0.42	0.155
2568044	Soil		0.49	7.64	4.38	42.3	21	13.7	7.4	289	2.61	3.6	0.4	4.9	2.1	21.4	0.09	0.25	0.12	59	0.24	0.056
2568045	Soil		0.38	5.89	4.52	40.5	19	12.0	7.6	351	2.64	4.0	0.8	1.7	2.8	30.2	0.05	0.22	0.11	57	0.32	0.035
2568046	Soil		0.39	8.20	4.24	45.1	20	14.5	7.5	283	2.39	3.6	0.3	<0.2	2.2	17.4	0.04	0.17	0.07	52	0.22	0.070
2568047	Soil		0.53	7.09	4.42	40.3	17	14.1	8.0	311	2.62	4.5	0.4	0.6	2.0	20.0	0.03	0.24	0.14	61	0.27	0.036
2568048	Soil		0.47	3.75	4.33	44.5	92	8.7	5.6	482	1.87	1.1	0.3	<0.2	1.2	18.7	0.07	0.16	0.12	43	0.23	0.053
2568049	Soil		0.76	15.69	5.19	42.7	71	15.2	6.8	293	2.60	6.3	0.6	0.7	2.9	27.4	0.04	0.47	0.17	58	0.30	0.038
2568050	Soil		1.76	27.38	6.46	45.6	104	32.7	8.0	214	2.68	14.7	0.3	4.0	1.5	22.2	0.05	0.84	0.12	44	0.23	0.026
2575101	Soil		1.21	11.18	6.89	36.9	111	17.5	7.6	397	2.30	4.0	0.3	0.9	1.5	25.1	0.05	0.56	0.12	50	0.28	0.027
2575102	Soil		0.77	7.85	4.60	35.0	88	12.9	5.6	247	1.89	5.0	0.3	1.2	1.3	23.5	0.05	0.28	0.10	43	0.25	0.022
2575103	Soil		0.57	6.20	4.48	53.5	83	12.1	4.8	222	1.74	2.8	0.3	0.5	1.3	20.1	0.05	0.18	0.08	39	0.24	0.033
2575104	Soil		1.14	10.30	4.99	60.6	125	17.0	6.1	188	2.29	10.1	0.3	0.3	0.9	24.2	0.11	0.49	0.10	42	0.27	0.071
2575106	Soil		1.10	10.83	5.24	59.1	99	17.8	6.1	230	2.54	12.1	0.4	0.5	1.5	20.8	0.08	0.41	0.11	51	0.22	0.036
2575107	Soil		0.93	9.41	4.96	58.1	196	18.8	6.1	288	2.50	8.6	0.3	0.8	1.1	22.9	0.13	0.36	0.10	51	0.26	0.049
2575108	Soil		0.81	3.98	5.49	61.3	102	8.6	4.3	290	1.62	3.1	0.2	<0.2	1.1	17.5	0.14	0.21	0.10	37	0.17	0.024
2575109	Soil		1.11	10.79	5.81	40.1	58	10.5	5.3	237	2.34	11.4	0.4	0.3	1.7	20.5	0.04	0.40	0.12	53	0.21	0.022
2575110	Soil		1.47	16.20	5.53	44.6	91	17.5	5.4	159	2.34	9.7	0.3	0.5	1.2	19.5	0.04	0.53	0.10	46	0.18	0.021
2575111	Soil		0.82	15.04	6.32	49.8	222	25.7	5.9	183	2.70	10.2	0.4	1.4	2.3	41.4	0.07	0.46	0.15	42	0.40	0.013
2575112	Soil		0.70	17.03	5.57	39.3	134	18.2	6.8	275	2.37	8.0	0.6	1.6	2.2	96.6	0.08	0.36	0.14	49	1.49	0.039
2575113	Soil		0.91	12.49	4.67	42.7	78	15.2	5.6	246	2.31	10.3	0.4	<0.2	1.7	23.5	0.04	0.42	0.10	50	0.22	0.013
2575114	Soil		0.99	8.14	5.24	34.9	102	12.9	4.9	261	2.04	11.6	0.3	<0.2	1.2	25.2	0.08	0.38	0.09	43	0.26	0.020
2575115	Soil		0.98	14.29	5.57	49.7	78	16.9	6.0	228	2.31	9.9	0.4	0.2	1.5	24.1	0.05	0.44	0.10	47	0.23	0.027
2575116	Soil		1.40	27.92	6.35	80.4	143	37.2	8.7	199	2.66	14.8	0.3	1.3	0.8	18.5	0.12	0.87	0.13	37	0.14	0.033
2575117	Soil		0.74	7.78	4.65	55.5	195	16.8	5.9	238	2.18	5.9	0.3	<0.2	1.4	25.6	0.10	0.32	0.11	50	0.26	0.024
2575118	Soil		1.13	13.19	5.45	45.7	277	17.8	4.9	251	1.78	7.6	0.4	0.4	1.2	22.7	0.15	0.43	0.12	35	0.23	0.022

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2568038	Soil	5.7	16.0	0.20	63.7	0.087	1	0.87	0.009	0.05	<0.1	2.2	0.06	<0.02	15	<0.1	<0.02	4.0
2568039	Soil	5.7	14.6	0.16	131.3	0.028	2	0.60	0.007	0.09	<0.1	2.1	0.06	0.03	74	0.3	0.03	2.2
2568040	Soil	6.0	16.8	0.27	69.5	0.109	<1	1.00	0.010	0.05	0.1	2.5	0.03	<0.02	7	<0.1	<0.02	3.6
2568041	Soil	7.3	24.0	0.30	61.2	0.110	<1	0.99	0.010	0.04	<0.1	2.8	0.04	<0.02	7	<0.1	0.02	3.6
2568042	Soil	5.8	28.4	0.38	60.1	0.076	1	0.96	0.008	0.06	<0.1	2.5	0.04	<0.02	11	<0.1	<0.02	4.0
2568043	Soil	6.8	23.8	0.50	96.3	0.091	<1	1.50	0.011	0.07	0.1	3.4	0.05	<0.02	11	<0.1	0.02	5.0
2568044	Soil	5.4	19.5	0.44	67.5	0.088	<1	1.18	0.009	0.04	<0.1	3.1	0.04	<0.02	15	<0.1	0.02	3.4
2568045	Soil	6.5	19.3	0.45	97.5	0.085	<1	1.16	0.015	0.04	<0.1	4.2	0.04	<0.02	11	<0.1	<0.02	3.4
2568046	Soil	6.2	17.4	0.42	53.6	0.075	<1	1.17	0.009	0.06	<0.1	3.0	0.04	<0.02	9	<0.1	<0.02	3.6
2568047	Soil	5.7	21.2	0.40	69.8	0.101	<1	1.03	0.011	0.06	<0.1	3.8	0.06	<0.02	15	<0.1	<0.02	3.2
2568048	Soil	4.8	13.8	0.19	64.6	0.077	1	0.79	0.008	0.05	<0.1	2.2	0.04	<0.02	11	<0.1	<0.02	3.0
2568049	Soil	10.8	20.1	0.29	92.3	0.121	<1	1.06	0.012	0.06	<0.1	5.6	0.08	<0.02	26	<0.1	<0.02	3.2
2568050	Soil	5.6	16.4	0.19	62.4	0.065	<1	0.75	0.007	0.08	<0.1	3.4	0.07	<0.02	28	<0.1	0.03	2.5
2575101	Soil	6.6	18.5	0.25	61.2	0.094	1	0.98	0.009	0.06	<0.1	2.9	0.06	<0.02	19	<0.1	0.02	3.0
2575102	Soil	5.5	14.5	0.23	65.0	0.091	<1	0.84	0.009	0.08	<0.1	2.7	0.05	<0.02	12	<0.1	<0.02	2.8
2575103	Soil	5.4	15.3	0.24	92.3	0.075	<1	0.89	0.009	0.05	<0.1	2.5	0.05	<0.02	17	<0.1	<0.02	2.8
2575104	Soil	5.4	15.2	0.19	86.0	0.036	1	0.80	0.008	0.06	<0.1	2.5	0.07	<0.02	25	<0.1	0.02	2.9
2575106	Soil	6.0	18.2	0.24	90.6	0.067	<1	0.94	0.009	0.07	<0.1	3.3	0.07	<0.02	23	<0.1	0.03	3.0
2575107	Soil	5.5	17.6	0.25	94.6	0.056	1	0.89	0.009	0.06	<0.1	2.8	0.05	<0.02	24	<0.1	0.02	3.0
2575108	Soil	5.8	13.1	0.11	93.2	0.046	1	0.79	0.008	0.05	<0.1	2.0	0.07	<0.02	13	<0.1	<0.02	2.8
2575109	Soil	6.4	18.0	0.21	80.3	0.089	<1	0.79	0.010	0.05	<0.1	3.0	0.07	<0.02	18	<0.1	0.02	2.5
2575110	Soil	5.5	15.8	0.19	84.6	0.058	<1	0.85	0.009	0.04	<0.1	3.0	0.07	<0.02	20	<0.1	0.02	2.5
2575111	Soil	8.8	21.2	0.33	160.1	0.048	1	1.12	0.017	0.08	<0.1	8.1	0.08	<0.02	73	<0.1	0.03	2.9
2575112	Soil	10.7	18.9	0.45	122.4	0.083	1	1.04	0.028	0.06	<0.1	5.3	0.08	<0.02	50	<0.1	0.02	3.0
2575113	Soil	6.2	17.0	0.20	91.5	0.092	<1	0.79	0.010	0.04	<0.1	3.5	0.07	<0.02	18	<0.1	<0.02	2.5
2575114	Soil	5.4	14.4	0.17	107.6	0.047	1	0.83	0.009	0.05	<0.1	2.5	0.07	<0.02	24	<0.1	<0.02	2.4
2575115	Soil	6.7	16.7	0.22	80.9	0.075	<1	0.77	0.011	0.05	<0.1	3.5	0.06	<0.02	19	<0.1	<0.02	2.5
2575116	Soil	5.7	16.2	0.14	82.2	0.031	1	0.66	0.007	0.06	<0.1	3.9	0.09	<0.02	62	<0.1	0.03	2.0
2575117	Soil	5.8	16.4	0.19	106.3	0.078	1	0.94	0.008	0.05	<0.1	2.7	0.05	<0.02	23	<0.1	<0.02	3.1
2575118	Soil	6.7	14.4	0.13	131.2	0.031	1	0.73	0.007	0.08	<0.1	2.5	0.06	<0.02	26	<0.1	0.02	2.3

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575119	Soil	0.46	5.72	4.01	67.5	161	15.1	4.8	216	1.42	2.9	0.2	<0.2	0.9	19.7	0.13	0.20	0.07	30	0.22	0.036
2575120	Soil	5.19	94.11	35.54	147.9	684	99.8	18.0	1623	6.80	111.1	0.2	2.0	0.9	38.1	0.53	14.76	0.18	53	0.34	0.148
2575121	Soil	0.93	8.96	4.59	44.5	145	16.5	5.6	259	1.80	5.6	0.2	1.7	1.0	17.6	0.08	0.33	0.08	35	0.21	0.036
2575122	Soil	1.06	14.93	6.25	45.9	140	19.1	6.4	250	2.43	8.0	0.5	0.7	2.0	29.0	0.05	0.54	0.15	53	0.31	0.026
2575123	Soil	0.80	14.66	7.14	67.7	578	30.1	6.7	276	2.38	10.2	0.4	0.5	1.6	39.5	0.08	0.53	0.20	42	0.41	0.063
2575124	Soil	1.40	11.18	5.75	45.7	130	16.7	5.2	190	2.38	9.9	0.3	<0.2	1.7	24.0	0.05	0.65	0.12	48	0.28	0.024
2575125	Soil	0.92	7.94	5.54	36.9	51	7.5	4.9	240	2.27	6.6	0.4	2.9	1.7	26.9	0.03	0.27	0.09	54	0.28	0.018
2575126	Soil	0.95	6.65	11.28	37.3	34	7.4	5.0	205	2.26	6.7	0.4	0.8	1.6	25.8	0.02	0.27	0.08	55	0.26	0.011
2575127	Soil	0.55	6.94	7.74	61.6	143	8.1	5.5	300	2.32	4.7	0.5	0.3	1.7	39.2	0.09	0.24	0.09	53	0.38	0.012
2575128	Soil	1.08	6.13	10.25	56.4	112	6.6	4.8	229	2.17	6.3	0.4	0.6	1.6	24.1	0.05	0.26	0.11	52	0.27	0.021
2575129	Soil	0.62	9.82	7.90	42.7	93	8.4	6.0	316	2.57	6.0	0.7	<0.2	2.2	38.7	0.04	0.30	0.13	58	0.42	0.027
2575130	Soil	0.53	13.67	10.14	59.3	155	11.3	7.2	358	2.70	7.7	0.4	1.4	2.6	57.3	0.09	0.34	0.16	59	0.65	0.027
2575131	Soil	1.96	26.92	71.52	177.9	745	50.3	8.5	988	3.21	97.9	0.5	8.2	1.7	30.7	0.29	1.64	0.17	53	0.31	0.020
2575132	Soil	1.44	18.62	41.29	111.7	531	23.0	7.8	777	2.96	52.4	0.7	6.3	2.2	35.0	0.24	1.03	0.15	56	0.34	0.017
2575133	Soil	0.48	25.79	31.88	161.6	613	15.3	7.5	407	2.70	19.2	0.4	9.0	1.4	208.4	0.52	0.55	0.10	59	3.17	0.080
2575134	Soil	0.71	8.46	14.46	59.0	237	11.8	5.8	313	2.09	11.5	0.6	1.3	2.0	30.7	0.07	0.40	0.09	50	0.32	0.008
2575135	Soil	0.43	14.23	6.27	36.2	115	12.5	7.0	373	2.52	8.3	0.4	1.5	3.3	39.4	0.06	0.34	0.13	56	0.49	0.028
2575136	Soil	0.66	6.74	8.30	52.9	156	10.0	4.8	227	2.04	6.4	0.4	5.8	1.8	19.8	0.07	0.29	0.07	51	0.26	0.018
2575137	Soil	0.70	12.83	10.82	116.4	437	20.7	6.7	455	2.54	10.2	1.0	2.0	2.4	27.9	0.18	0.43	0.11	54	0.36	0.031
2575138	Soil	0.88	12.50	18.41	75.0	202	16.1	5.3	309	2.25	25.1	0.4	1.7	1.8	24.8	0.09	0.60	0.10	49	0.28	0.020
2575139	Soil	0.76	9.93	19.29	63.9	193	14.8	5.0	328	1.80	14.0	0.4	0.6	1.6	23.9	0.10	0.44	0.10	41	0.27	0.019
2575140	Soil	0.64	10.25	20.41	74.1	240	14.5	4.9	422	1.76	11.5	0.4	0.4	1.7	28.2	0.11	0.38	0.08	42	0.32	0.023
2575141	Soil	0.98	16.86	38.21	133.0	678	22.7	5.8	654	2.34	38.2	0.3	2.9	1.4	28.3	0.22	0.83	0.13	42	0.28	0.065
2575142	Soil	1.60	26.79	36.83	134.7	754	33.9	6.6	488	2.61	75.9	0.3	3.9	1.6	26.4	0.18	1.10	0.13	46	0.34	0.024
2575143	Soil	1.37	25.52	35.82	129.7	757	34.1	6.4	599	2.66	72.6	0.3	4.9	1.7	23.3	0.24	1.37	0.15	46	0.26	0.033
2575144	Soil	1.06	17.64	160.82	440.4	3440	30.5	5.4	1468	2.40	217.9	0.4	16.5	1.3	32.9	0.80	1.50	0.12	45	0.32	0.027
2575145	Soil	0.52	17.26	6.60	42.8	117	10.8	7.3	473	2.52	4.1	0.7	0.8	2.2	97.7	0.16	0.31	0.14	59	1.15	0.045
2575146	Soil	0.40	8.94	5.69	36.7	110	6.7	4.9	379	2.31	3.1	0.5	1.0	2.0	67.4	0.09	0.22	0.11	44	0.70	0.042
2575147	Soil	0.81	10.45	5.51	33.7	70	7.6	5.9	487	2.40	8.3	1.1	0.6	2.1	41.1	0.05	0.35	0.09	52	0.44	0.027
2575148	Soil	0.80	5.65	6.02	28.8	72	6.7	4.3	197	1.66	2.8	0.4	0.9	1.4	26.1	0.04	0.21	0.09	43	0.29	0.017

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575119	Soil	5.0	12.8	0.15	116.9	0.038	1	0.74	0.007	0.07	<0.1	2.1	0.05	<0.02	18	<0.1	<0.02	2.3
2575120	Soil	2.1	21.7	0.05	125.3	0.006	2	0.47	0.004	0.10	<0.1	11.1	0.36	0.06	140	0.9	0.12	1.7
2575121	Soil	5.3	15.3	0.19	73.7	0.042	<1	0.74	0.006	0.13	<0.1	2.1	0.05	<0.02	25	<0.1	<0.02	2.5
2575122	Soil	8.6	18.5	0.27	80.0	0.112	<1	0.94	0.014	0.07	<0.1	4.0	0.07	<0.02	20	<0.1	<0.02	3.0
2575123	Soil	7.5	20.8	0.18	160.3	0.031	2	1.84	0.010	0.16	<0.1	4.6	0.14	<0.02	46	<0.1	0.02	4.5
2575124	Soil	6.7	18.2	0.19	98.0	0.052	<1	0.90	0.008	0.05	<0.1	2.6	0.07	<0.02	14	<0.1	<0.02	2.9
2575125	Soil	7.2	18.8	0.26	72.1	0.105	<1	1.06	0.011	0.04	<0.1	2.8	0.05	<0.02	7	<0.1	<0.02	3.0
2575126	Soil	7.4	19.6	0.25	62.1	0.089	<1	0.98	0.013	0.05	<0.1	3.1	0.05	<0.02	15	<0.1	<0.02	3.2
2575127	Soil	7.5	19.6	0.36	77.2	0.095	<1	1.23	0.019	0.04	<0.1	3.7	0.06	<0.02	14	<0.1	<0.02	3.6
2575128	Soil	7.6	17.4	0.26	71.8	0.091	<1	1.07	0.010	0.05	<0.1	2.9	0.06	<0.02	13	<0.1	<0.02	3.5
2575129	Soil	9.0	20.1	0.34	84.5	0.112	<1	1.28	0.022	0.05	<0.1	5.1	0.05	<0.02	19	<0.1	<0.02	3.6
2575130	Soil	12.1	21.0	0.45	87.5	0.117	1	1.32	0.030	0.07	0.1	5.5	0.06	<0.02	19	<0.1	0.02	4.0
2575131	Soil	10.6	19.4	0.20	100.5	0.023	1	1.09	0.006	0.09	<0.1	6.0	0.12	<0.02	104	0.4	0.06	2.9
2575132	Soil	10.5	21.9	0.26	71.5	0.073	2	1.05	0.009	0.09	<0.1	5.6	0.09	<0.02	43	0.4	0.05	3.0
2575133	Soil	9.2	24.6	0.76	85.8	0.080	4	1.04	0.027	0.07	<0.1	4.4	0.05	<0.02	37	0.3	0.02	3.3
2575134	Soil	8.0	18.2	0.25	60.9	0.090	<1	1.07	0.011	0.06	<0.1	3.6	0.07	<0.02	25	<0.1	<0.02	3.3
2575135	Soil	13.0	20.3	0.41	97.5	0.103	<1	1.07	0.032	0.05	<0.1	4.6	0.06	<0.02	16	<0.1	<0.02	3.3
2575136	Soil	6.8	17.2	0.23	48.1	0.088	<1	0.91	0.009	0.05	<0.1	2.8	0.04	<0.02	10	<0.1	<0.02	3.0
2575137	Soil	8.4	23.0	0.32	104.6	0.080	1	1.23	0.014	0.08	<0.1	5.3	0.08	<0.02	37	<0.1	<0.02	3.6
2575138	Soil	8.0	17.8	0.25	62.6	0.076	<1	0.90	0.009	0.06	<0.1	3.5	0.07	<0.02	18	<0.1	0.03	2.9
2575139	Soil	8.9	15.8	0.23	72.4	0.074	1	0.84	0.008	0.06	<0.1	3.1	0.07	<0.02	18	<0.1	<0.02	2.7
2575140	Soil	9.5	16.2	0.26	75.4	0.092	1	0.88	0.009	0.07	<0.1	3.5	0.06	<0.02	18	<0.1	<0.02	2.8
2575141	Soil	9.5	17.0	0.20	97.1	0.049	1	0.88	0.008	0.09	<0.1	3.4	0.10	<0.02	36	<0.1	0.04	2.6
2575142	Soil	10.2	20.3	0.27	89.2	0.042	1	1.03	0.006	0.08	<0.1	4.2	0.09	<0.02	36	0.2	0.04	3.0
2575143	Soil	9.9	19.3	0.22	111.5	0.052	1	0.90	0.007	0.09	<0.1	3.9	0.09	<0.02	35	0.3	0.05	2.6
2575144	Soil	9.3	23.4	0.21	64.7	0.030	1	1.18	0.008	0.08	<0.1	3.5	0.14	<0.02	1048	<0.1	<0.02	3.1
2575145	Soil	12.4	21.0	0.47	122.2	0.121	2	1.35	0.033	0.08	0.2	5.1	0.06	<0.02	22	0.1	<0.02	4.1
2575146	Soil	9.8	17.1	0.38	101.7	0.090	2	1.07	0.027	0.07	<0.1	4.8	0.05	<0.02	15	<0.1	<0.02	3.1
2575147	Soil	9.5	17.3	0.33	108.2	0.072	1	1.15	0.017	0.08	<0.1	5.2	0.06	<0.02	21	0.3	<0.02	3.0
2575148	Soil	6.3	13.3	0.24	76.7	0.081	<1	1.08	0.009	0.04	<0.1	2.5	0.06	<0.02	13	<0.1	<0.02	3.7

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575149	Soil	1.30	21.79	7.45	57.9	106	9.0	8.3	302	3.51	4.0	0.7	1.5	3.6	14.8	0.07	0.23	0.26	79	0.27	0.140
2575150	Soil	1.20	31.95	6.56	66.2	103	10.8	10.2	390	3.45	5.1	0.9	2.3	5.2	17.2	0.06	0.29	0.22	87	0.27	0.133
2575151	Soil	0.37	11.41	5.26	120.7	260	18.0	5.5	246	2.38	2.8	0.9	1.3	1.9	49.4	0.12	0.27	0.13	38	0.51	0.036
2575152	Soil	1.43	11.84	5.57	44.2	75	14.5	5.1	193	2.34	13.0	0.3	0.5	1.3	21.5	0.09	0.52	0.10	48	0.21	0.025
2575153	Soil	0.96	7.33	6.12	41.0	149	13.2	4.8	192	1.94	12.9	0.3	0.3	1.1	22.2	0.07	0.39	0.10	42	0.22	0.026
2575154	Soil	0.90	12.05	4.31	44.6	113	14.2	5.5	240	2.37	11.0	0.3	1.4	1.1	22.3	0.05	0.42	0.09	53	0.22	0.032
2575155	Soil	0.75	8.25	4.17	43.7	78	13.5	5.1	216	2.18	7.3	0.3	0.6	1.4	25.0	0.05	0.29	0.09	50	0.25	0.032
2575156	Soil	0.77	9.44	4.52	40.4	130	13.8	4.9	209	1.86	6.4	0.3	0.9	1.3	24.2	0.05	0.34	0.09	41	0.22	0.030
2575157	Soil	0.81	9.03	4.45	40.1	60	11.3	4.5	206	1.96	6.6	0.6	0.8	1.7	26.0	0.03	0.35	0.09	46	0.26	0.024
2575158	Soil	1.06	9.22	4.84	40.2	105	11.7	5.0	227	2.05	7.7	0.4	0.9	1.6	24.8	0.05	0.37	0.10	42	0.26	0.025
2575159	Soil	0.88	13.91	5.33	39.9	119	18.0	5.2	189	2.15	7.3	0.4	0.8	1.6	29.9	0.05	0.43	0.12	45	0.35	0.031
2575160	Soil	1.24	11.34	4.49	47.2	93	18.1	5.4	203	2.00	6.3	0.4	0.4	1.1	24.3	0.06	0.34	0.10	42	0.24	0.018
2575161	Soil	1.04	15.85	4.89	52.6	222	24.5	4.4	139	2.11	9.0	0.9	1.0	1.8	36.3	0.08	0.54	0.11	38	0.37	0.017
2575162	Soil	0.91	11.31	5.13	44.5	132	17.0	4.5	145	1.85	7.1	0.6	0.6	1.3	29.9	0.06	0.48	0.11	37	0.22	0.016
2575163	Soil	1.57	21.17	6.46	60.4	159	35.6	7.8	184	2.74	14.2	0.3	0.4	0.8	24.6	0.08	0.85	0.11	37	0.23	0.028
2575164	Soil	1.59	27.26	5.29	78.6	212	39.7	7.6	191	2.71	19.4	0.2	0.9	0.8	19.9	0.09	0.98	0.13	35	0.18	0.023
2575165	Soil	1.41	24.25	5.67	79.5	260	38.8	6.8	225	2.61	27.4	0.2	1.0	1.0	24.3	0.13	1.25	0.15	35	0.22	0.023
2575166	Soil	0.57	7.83	4.06	57.4	475	18.7	5.1	235	1.55	3.1	0.3	0.6	1.1	25.0	0.09	0.30	0.11	36	0.28	0.031
2575167	Soil	0.73	11.47	4.36	46.0	341	20.5	5.9	214	1.85	3.8	0.4	2.1	1.6	22.5	0.11	0.37	0.13	42	0.26	0.024
2575168	Soil	0.93	11.09	6.41	56.9	255	23.2	6.6	176	2.25	6.1	0.5	1.7	2.5	24.8	0.10	0.34	0.15	47	0.31	0.078
2575169	Soil	1.09	18.13	8.11	53.5	730	23.9	6.3	299	2.11	14.4	0.5	1.3	2.0	30.0	0.11	1.43	0.14	43	0.30	0.029
2575170	Soil	0.90	7.74	6.19	48.2	357	10.4	4.9	428	1.79	4.6	0.3	1.7	1.1	24.9	0.18	0.36	0.12	38	0.28	0.028
2575171	Soil	1.09	11.50	6.63	45.8	112	13.3	4.8	223	1.96	9.9	0.4	1.3	1.2	21.4	0.07	0.51	0.11	41	0.23	0.037
2575172	Soil	1.04	10.35	7.47	76.0	157	15.4	5.7	272	2.23	11.4	0.4	<0.2	1.5	22.3	0.17	0.65	0.14	44	0.24	0.035
2575173	Soil	0.77	8.02	7.84	57.8	123	11.2	5.6	506	1.92	5.3	0.4	0.9	1.8	29.0	0.15	0.32	0.12	45	0.32	0.034
2575174	Soil	1.02	11.92	6.06	52.5	143	15.3	4.8	227	2.01	5.8	0.6	0.9	1.8	31.6	0.09	0.44	0.13	42	0.41	0.025
2575175	Soil	0.78	8.52	6.56	51.3	112	9.0	5.8	299	2.12	4.0	0.4	0.9	1.8	37.6	0.10	0.27	0.11	53	0.40	0.038
2575176	Soil	1.08	8.03	5.99	32.7	49	8.4	5.4	223	2.11	4.1	0.4	0.3	1.8	31.1	0.05	0.28	0.10	53	0.30	0.016
2575177	Soil	0.69	9.88	7.27	30.6	48	8.1	5.7	221	2.18	4.0	0.5	0.8	2.4	101.7	0.06	0.27	0.11	52	0.40	0.013
2575178	Soil	0.42	9.44	5.94	29.8	71	7.5	5.6	257	2.11	3.5	0.5	0.9	2.0	115.9	0.10	0.24	0.11	48	1.23	0.047

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575149	Soil	5.5	21.2	0.40	69.6	0.123	1	2.24	0.007	0.06	0.1	3.7	0.05	<0.02	38	<0.1	0.03	7.6
2575150	Soil	7.4	25.4	0.58	74.5	0.116	1	2.25	0.013	0.07	0.2	4.5	0.07	<0.02	38	<0.1	0.04	6.8
2575151	Soil	6.6	21.3	0.40	140.4	0.064	2	1.28	0.018	0.11	<0.1	6.7	0.07	<0.02	36	0.3	<0.02	3.5
2575152	Soil	5.7	15.0	0.18	82.4	0.051	1	0.73	0.009	0.05	<0.1	2.7	0.06	<0.02	21	<0.1	0.03	2.5
2575153	Soil	5.3	14.4	0.17	97.4	0.048	1	0.83	0.008	0.06	<0.1	2.3	0.06	<0.02	17	<0.1	<0.02	2.8
2575154	Soil	5.6	16.2	0.20	86.3	0.076	<1	0.84	0.008	0.05	<0.1	3.0	0.05	<0.02	21	<0.1	0.02	2.7
2575155	Soil	5.8	16.5	0.22	95.5	0.079	<1	0.87	0.008	0.06	<0.1	2.9	0.05	<0.02	21	<0.1	<0.02	2.7
2575156	Soil	6.4	14.7	0.20	85.3	0.073	<1	0.83	0.009	0.06	<0.1	3.2	0.06	<0.02	19	<0.1	<0.02	2.7
2575157	Soil	6.6	17.2	0.24	78.3	0.098	<1	0.79	0.011	0.07	<0.1	3.5	0.05	<0.02	19	<0.1	<0.02	2.5
2575158	Soil	6.5	16.1	0.21	84.8	0.074	<1	0.82	0.010	0.05	<0.1	3.4	0.07	<0.02	17	<0.1	<0.02	2.6
2575159	Soil	6.6	17.6	0.26	93.4	0.075	1	0.90	0.010	0.09	<0.1	4.2	0.06	<0.02	26	<0.1	<0.02	2.5
2575160	Soil	5.5	16.2	0.21	99.5	0.055	<1	0.89	0.009	0.07	<0.1	2.9	0.06	<0.02	22	<0.1	<0.02	2.6
2575161	Soil	8.9	17.4	0.21	126.2	0.041	1	0.97	0.013	0.07	<0.1	6.2	0.08	<0.02	61	<0.1	0.02	2.5
2575162	Soil	6.7	15.0	0.18	110.0	0.039	<1	0.77	0.008	0.05	<0.1	3.7	0.07	<0.02	32	<0.1	0.02	2.2
2575163	Soil	5.9	16.5	0.14	124.1	0.017	1	0.79	0.008	0.06	<0.1	3.4	0.08	<0.02	47	0.3	0.05	2.1
2575164	Soil	4.7	14.4	0.13	119.2	0.015	1	0.66	0.005	0.07	<0.1	3.6	0.07	<0.02	43	0.2	0.05	1.7
2575165	Soil	4.1	14.3	0.12	101.5	0.029	2	0.60	0.005	0.10	<0.1	3.4	0.07	<0.02	55	<0.1	0.05	1.7
2575166	Soil	6.5	16.1	0.25	128.7	0.076	2	0.78	0.009	0.09	<0.1	2.8	0.04	<0.02	19	<0.1	<0.02	2.7
2575167	Soil	7.0	16.0	0.25	100.7	0.083	1	0.85	0.007	0.08	<0.1	2.6	0.06	<0.02	13	<0.1	0.03	2.8
2575168	Soil	6.2	18.4	0.20	94.7	0.051	1	0.91	0.006	0.15	<0.1	2.5	0.06	<0.02	32	<0.1	<0.02	2.8
2575169	Soil	8.7	15.7	0.19	93.1	0.093	1	0.70	0.008	0.09	<0.1	3.3	0.09	<0.02	35	<0.1	0.02	2.3
2575170	Soil	7.1	12.9	0.15	121.1	0.050	1	0.72	0.006	0.09	<0.1	1.9	0.05	<0.02	12	<0.1	<0.02	2.5
2575171	Soil	7.1	12.8	0.17	84.9	0.060	1	0.76	0.006	0.07	<0.1	2.3	0.06	<0.02	22	0.1	<0.02	2.5
2575172	Soil	7.3	14.6	0.17	114.5	0.054	<1	0.91	0.007	0.06	<0.1	2.3	0.09	<0.02	30	<0.1	0.03	2.9
2575173	Soil	8.7	15.2	0.19	124.9	0.078	1	0.88	0.008	0.08	<0.1	2.9	0.07	<0.02	10	<0.1	<0.02	2.9
2575174	Soil	8.1	16.0	0.21	96.1	0.085	2	0.82	0.008	0.14	<0.1	2.7	0.06	<0.02	22	<0.1	0.03	2.6
2575175	Soil	7.5	18.2	0.28	71.2	0.102	1	1.21	0.010	0.05	<0.1	2.8	0.05	<0.02	15	<0.1	<0.02	3.8
2575176	Soil	7.1	18.0	0.29	97.3	0.114	1	1.08	0.010	0.04	<0.1	2.6	0.05	<0.02	13	<0.1	<0.02	3.3
2575177	Soil	10.9	19.3	0.40	87.1	0.099	2	1.16	0.022	0.04	<0.1	4.0	0.05	<0.02	19	<0.1	<0.02	3.5
2575178	Soil	11.0	16.9	0.40	79.5	0.090	1	0.92	0.031	0.04	<0.1	3.5	0.04	<0.02	19	0.1	<0.02	2.9

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		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575179	Soil		0.41	13.54	6.30	36.3	95	8.1	5.5	246	2.27	4.2	0.5	1.0	1.9	78.3	0.11	0.27	0.12	51	0.91	0.044
2575180	Soil		1.67	20.03	96.62	190.7	1272	16.5	8.0	1593	3.30	43.3	0.3	8.4	1.3	60.1	0.64	1.59	0.22	47	0.68	0.038
2575181	Soil		1.52	28.84	29.35	110.2	1596	36.5	7.4	602	3.06	48.2	0.7	3.3	2.6	34.7	0.21	2.24	0.22	51	0.33	0.045
2575182	Soil		0.64	96.34	24.38	251.1	1621	49.1	6.3	344	2.63	12.4	0.5	10.7	1.4	104.7	1.38	0.91	0.16	37	0.96	0.052
2575183	Soil		0.68	14.43	44.37	116.2	595	15.2	7.0	545	2.53	20.4	0.6	6.7	2.0	47.9	0.26	0.67	0.14	49	0.48	0.019
2575184	Soil		0.87	14.79	16.75	56.5	175	12.2	7.0	354	2.44	26.3	0.5	1.0	2.3	32.9	0.13	0.65	0.11	53	0.33	0.012
2575185	Soil		0.62	15.19	16.60	63.6	279	14.5	7.9	529	2.88	22.6	0.4	0.8	2.5	56.5	0.17	0.57	0.15	55	0.69	0.017
2575186	Soil		0.64	10.30	22.45	71.8	157	13.1	5.9	240	2.51	18.0	0.3	2.0	2.1	39.1	0.11	0.44	0.10	52	0.43	0.011
2575187	Soil		0.26	39.99	6.68	74.0	712	11.4	3.6	974	1.16	2.7	0.7	1.5	0.3	609.0	1.55	0.25	0.06	20	15.95	0.158
2575188	Soil		0.65	19.02	7.59	41.3	105	7.3	8.6	264	2.93	4.0	0.4	<0.2	1.4	20.2	0.08	0.33	0.11	83	0.26	0.060
2575189	Soil		0.62	19.20	6.93	42.1	17	9.0	10.3	330	2.53	3.0	0.5	1.0	1.8	21.7	0.05	0.28	0.11	77	0.34	0.025
2575190	Soil		0.53	82.97	5.28	42.5	81	11.6	10.5	640	2.45	4.9	1.8	1.9	3.3	45.2	0.08	0.25	0.11	70	0.61	0.030
2575191	Soil		1.05	19.77	5.20	42.9	44	9.6	10.2	274	3.25	7.1	0.5	0.2	2.1	21.3	0.07	0.28	0.09	90	0.31	0.061
2575192	Soil		0.46	27.29	4.13	40.6	57	13.4	13.9	435	3.28	6.3	0.6	1.9	1.3	33.3	0.08	0.41	0.06	96	0.48	0.033
2575193	Soil		0.37	26.96	4.35	39.8	66	12.5	11.9	414	3.24	4.6	0.5	0.5	1.6	29.2	0.09	0.27	0.07	84	0.43	0.041
2575194	Soil		0.51	30.10	6.71	104.3	213	6.9	7.6	375	2.28	2.0	0.4	1.1	1.5	18.5	0.16	0.15	0.13	59	0.25	0.117
2575195	Soil		0.96	117.61	6.37	46.8	95	10.5	7.8	244	3.63	4.8	0.6	0.3	3.1	29.0	0.10	0.25	0.15	96	0.41	0.060
2575196	Soil		0.70	10.03	7.27	65.7	211	6.4	7.4	229	2.59	2.6	0.4	<0.2	2.1	14.1	0.11	0.17	0.14	54	0.18	0.288
2575197	Soil		0.78	16.04	7.26	60.4	104	8.7	8.5	481	2.80	3.2	0.6	<0.2	2.8	23.9	0.12	0.20	0.15	74	0.74	0.037
2575198	Soil		0.82	35.28	6.79	47.9	135	11.4	9.2	301	3.14	4.6	0.6	<0.2	2.1	32.8	0.09	0.21	0.14	83	0.77	0.062
2575199	Soil		1.70	29.39	8.68	70.1	216	7.8	7.3	355	2.65	2.6	0.5	0.6	2.5	34.9	0.17	0.22	0.16	70	0.46	0.084
2575200	Soil		1.23	10.98	7.88	93.0	155	7.6	10.4	467	2.79	2.0	0.4	30.5	2.6	22.3	0.14	0.18	0.15	74	0.29	0.082
2575201	Soil		0.98	16.33	7.39	34.2	114	5.5	7.2	256	1.97	1.2	0.6	<0.2	1.5	26.6	0.20	0.17	0.14	54	0.43	0.036
2575202	Soil		0.36	24.11	4.84	42.3	196	8.4	6.7	353	2.26	1.5	1.0	0.8	1.8	52.4	0.14	0.21	0.13	45	1.56	0.062
2575203	Soil		1.76	8.36	6.01	42.1	19	6.6	7.0	485	2.65	2.4	0.5	0.8	2.3	11.3	0.05	0.18	0.12	63	0.23	0.079
2575204	Soil		0.95	11.69	5.04	72.5	5	13.0	13.3	351	3.12	2.4	0.4	<0.2	2.3	14.4	0.04	0.28	0.11	83	0.24	0.069
2575205	Soil		1.16	9.50	6.37	38.3	10	5.9	5.5	154	2.26	2.3	0.5	1.9	2.1	14.9	0.04	0.18	0.11	61	0.21	0.031
2575206	Soil		0.48	10.33	4.89	29.8	36	6.2	6.1	261	1.86	1.3	0.5	0.4	2.0	23.4	0.05	0.18	0.10	48	0.37	0.019
2575207	Soil		0.33	11.60	4.15	40.0	34	6.0	5.2	186	2.14	2.3	0.7	0.6	2.1	27.8	0.07	0.17	0.12	44	0.62	0.024
2575208	Soil		0.61	25.98	7.15	126.4	134	4.5	7.5	1408	1.84	1.1	0.7	0.3	1.1	56.2	0.74	0.20	0.22	34	1.93	0.047

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575179	Soil	11.3	18.1	0.40	85.5	0.100	2	1.01	0.032	0.05	<0.1	3.8	0.05	<0.02	12	0.3	<0.02	3.3
2575180	Soil	7.9	15.5	0.20	115.7	0.020	1	1.05	0.007	0.15	<0.1	3.3	0.09	<0.02	53	0.5	0.11	2.9
2575181	Soil	13.2	19.6	0.30	57.3	0.094	<1	1.21	0.009	0.10	<0.1	4.9	0.09	0.02	23	0.5	0.07	3.6
2575182	Soil	15.0	23.3	0.59	179.1	0.025	3	1.45	0.016	0.10	<0.1	8.8	0.10	0.03	110	1.0	0.03	3.4
2575183	Soil	10.3	19.5	0.32	95.7	0.078	2	1.23	0.011	0.09	<0.1	4.2	0.07	<0.02	30	0.3	0.03	3.4
2575184	Soil	9.1	18.4	0.28	72.9	0.082	<1	0.96	0.013	0.07	<0.1	4.4	0.07	<0.02	25	0.2	0.04	2.9
2575185	Soil	9.6	22.0	0.42	97.0	0.070	3	1.39	0.016	0.11	<0.1	5.6	0.08	<0.02	27	0.4	0.03	4.0
2575186	Soil	11.2	21.7	0.37	72.8	0.072	1	1.27	0.016	0.07	<0.1	4.6	0.07	<0.02	23	0.2	<0.02	3.5
2575187	Soil	6.4	10.1	0.53	282.8	0.025	9	0.79	0.023	0.05	<0.1	2.0	0.04	0.08	40	1.5	0.04	1.9
2575188	Soil	6.4	13.2	0.49	65.4	0.105	1	1.56	0.010	0.06	0.1	4.2	0.06	<0.02	41	<0.1	<0.02	7.2
2575189	Soil	6.3	12.5	0.76	54.6	0.144	<1	1.56	0.011	0.05	0.1	4.7	0.04	<0.02	15	<0.1	<0.02	6.9
2575190	Soil	16.5	18.7	0.81	95.9	0.113	<1	2.12	0.032	0.06	0.1	11.9	0.09	<0.02	34	0.3	<0.02	5.5
2575191	Soil	6.5	16.7	0.48	55.1	0.115	1	1.68	0.009	0.06	0.1	3.8	0.03	<0.02	22	<0.1	<0.02	5.8
2575192	Soil	6.4	16.3	1.08	70.9	0.144	2	1.69	0.014	0.07	0.1	6.2	0.03	<0.02	22	0.1	<0.02	5.3
2575193	Soil	7.2	17.2	0.88	85.7	0.120	1	1.35	0.016	0.06	<0.1	5.3	0.04	<0.02	11	<0.1	0.02	3.9
2575194	Soil	6.5	11.1	0.41	50.5	0.082	1	1.43	0.008	0.04	<0.1	3.6	0.04	<0.02	28	<0.1	<0.02	6.3
2575195	Soil	7.0	26.0	0.37	118.3	0.118	1	1.61	0.008	0.04	0.1	3.4	0.05	<0.02	15	0.1	0.03	6.6
2575196	Soil	6.5	14.8	0.24	91.0	0.077	2	1.57	0.008	0.05	0.1	2.8	0.05	<0.02	45	0.1	<0.02	6.2
2575197	Soil	6.5	19.0	0.41	77.2	0.134	2	1.68	0.012	0.05	0.1	3.3	0.06	<0.02	23	<0.1	0.03	7.2
2575198	Soil	6.1	20.1	0.43	147.3	0.122	3	2.09	0.015	0.06	0.1	3.5	0.06	<0.02	31	0.2	0.02	7.3
2575199	Soil	7.7	18.8	0.40	94.1	0.108	2	1.47	0.009	0.09	0.1	3.3	0.06	<0.02	36	0.1	<0.02	8.0
2575200	Soil	6.5	19.3	0.32	91.7	0.117	<1	1.51	0.010	0.05	0.1	3.5	0.07	<0.02	27	<0.1	0.02	7.7
2575201	Soil	8.4	13.2	0.16	52.5	0.099	1	1.12	0.013	0.03	<0.1	2.4	0.05	0.02	35	0.2	<0.02	5.7
2575202	Soil	11.7	18.5	0.43	86.4	0.086	2	1.46	0.052	0.06	0.1	4.0	0.08	0.04	29	0.7	<0.02	4.8
2575203	Soil	5.4	13.4	0.23	66.3	0.074	1	1.63	0.006	0.06	0.1	2.4	0.04	<0.02	28	<0.1	0.02	4.8
2575204	Soil	5.6	30.7	0.72	46.3	0.123	1	1.66	0.009	0.07	0.1	4.4	0.06	<0.02	16	<0.1	<0.02	7.2
2575205	Soil	6.8	12.6	0.24	74.5	0.108	<1	1.17	0.008	0.06	0.1	2.5	0.05	<0.02	11	<0.1	0.02	4.9
2575206	Soil	8.0	13.1	0.34	116.1	0.097	1	1.11	0.015	0.05	<0.1	3.3	0.05	<0.02	14	<0.1	<0.02	3.4
2575207	Soil	6.2	14.4	0.43	81.9	0.088	<1	1.17	0.025	0.06	<0.1	3.8	0.05	<0.02	11	<0.1	<0.02	3.6
2575208	Soil	8.7	9.0	0.23	195.7	0.040	5	1.11	0.013	0.07	<0.1	3.4	0.06	<0.02	36	0.1	<0.02	3.0

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575209	Soil	1.13	7.74	3.83	55.9	53	3.8	4.6	184	2.29	1.2	0.3	8.8	1.5	17.3	0.05	0.18	0.10	49	0.28	0.030
2575210	Soil	0.93	20.51	12.01	62.7	115	16.0	8.2	575	2.72	10.0	0.6	1.7	2.8	40.2	0.14	0.45	0.12	60	0.65	0.040
2575211	Soil	0.71	21.64	9.51	54.3	117	16.7	8.0	448	2.71	9.6	0.5	1.8	2.8	42.6	0.10	0.40	0.10	61	0.61	0.043
2575212	Soil	0.90	10.49	14.26	50.1	127	13.1	6.4	354	2.37	9.7	0.4	49.5	1.9	26.9	0.07	0.33	0.09	59	0.34	0.037
2575213	Soil	1.12	8.43	7.95	53.3	191	12.6	6.7	272	2.61	8.2	0.4	1.4	2.0	24.7	0.08	0.33	0.10	67	0.30	0.022
2575214	Soil	0.95	10.55	6.77	34.6	81	10.8	6.0	235	2.50	5.8	0.5	1.5	2.5	23.3	0.05	0.27	0.11	65	0.35	0.028
2575215	Soil	0.81	15.33	6.24	36.4	106	18.4	7.1	274	2.41	7.5	0.5	0.7	2.3	29.9	0.07	0.33	0.10	59	0.41	0.024
2575216	Soil	0.60	8.09	5.87	47.4	192	12.1	5.5	388	1.81	2.1	0.4	1.2	1.7	26.6	0.09	0.21	0.09	46	0.36	0.035
2575217	Soil	0.54	8.61	4.47	44.8	91	15.6	5.8	304	2.03	2.6	0.4	0.5	1.8	29.9	0.06	0.20	0.09	53	0.37	0.041
2575218	Soil	0.77	12.35	7.57	44.9	94	14.6	6.5	397	2.30	4.5	0.5	1.2	2.3	32.6	0.08	0.27	0.12	60	0.46	0.034
2575219	Soil	0.64	20.15	5.99	39.2	78	20.1	7.1	342	2.55	6.9	0.6	10.4	2.7	44.2	0.05	0.39	0.10	63	0.43	0.037
2575220	Soil	0.56	13.64	5.40	32.5	131	16.3	6.2	324	2.34	5.9	0.4	0.8	2.3	27.3	0.04	0.32	0.09	62	0.34	0.017
2575221	Soil	0.68	18.31	8.26	44.1	112	14.8	7.2	357	2.66	6.9	0.7	1.3	2.9	45.6	0.08	0.35	0.13	61	0.71	0.051
2575222	Soil	0.70	15.81	7.90	50.0	100	12.6	6.4	375	2.51	8.0	0.5	1.2	2.5	31.2	0.07	0.39	0.09	62	0.41	0.034
2575223	Soil	0.50	13.22	5.70	36.7	73	11.7	5.1	284	1.91	4.7	0.5	0.4	1.9	34.3	0.04	0.25	0.07	45	0.41	0.061
2575224	Soil	0.71	10.88	5.51	36.9	68	10.3	5.8	540	1.95	3.8	0.4	0.8	1.9	39.3	0.08	0.23	0.08	48	0.57	0.037
2575225	Soil	0.59	15.04	4.92	33.1	69	11.0	5.5	365	2.16	4.9	0.4	0.8	2.2	40.4	0.11	0.28	0.10	54	0.60	0.049
2575226	Soil	0.59	10.74	4.79	28.7	45	10.5	5.9	268	2.27	5.0	0.4	0.5	2.1	29.4	0.03	0.28	0.09	59	0.37	0.025
2575227	Soil	0.62	14.27	5.75	35.0	97	13.0	6.6	284	2.36	5.4	0.5	0.5	2.6	33.3	0.05	0.31	0.11	60	0.44	0.040
2575228	Soil	0.47	12.76	6.23	60.5	201	15.9	6.3	409	2.21	2.7	1.6	0.8	1.8	34.2	0.08	0.24	0.11	54	0.47	0.024
2575229	Soil	0.67	9.00	5.10	32.9	77	11.4	6.0	241	2.28	5.1	0.4	0.4	1.9	28.1	0.04	0.27	0.08	59	0.36	0.030
2575230	Soil	0.76	12.05	6.55	47.5	281	12.8	6.9	406	2.48	3.9	0.6	1.7	2.5	30.0	0.11	0.33	0.11	57	0.54	0.018
2575231	Soil	0.57	19.63	7.15	44.8	95	13.7	7.6	504	2.48	6.3	0.6	1.7	3.0	114.2	0.21	0.42	0.12	60	2.49	0.070
2575232	Soil	0.54	15.84	6.67	40.8	127	13.5	7.0	297	2.49	5.3	0.6	1.1	2.9	48.0	0.06	0.31	0.13	58	0.67	0.051
2575233	Soil	0.68	15.84	6.94	39.5	91	14.4	7.3	340	2.53	5.7	0.7	1.5	2.4	45.9	0.04	0.35	0.10	64	0.51	0.036
2575251	Soil	0.66	14.79	5.19	39.6	51	8.9	7.7	214	2.35	3.8	0.4	<0.2	1.9	19.6	0.04	0.25	0.13	62	0.29	0.036
2575252	Soil	0.50	35.74	6.63	95.1	34	11.0	9.6	285	2.48	8.2	0.5	0.4	1.9	17.5	0.07	0.23	0.12	62	0.35	0.083
2575253	Soil	0.87	35.73	8.14	76.0	307	9.9	14.6	1342	2.92	6.4	0.4	0.6	1.0	31.0	0.13	0.16	0.11	89	0.77	0.092
2575254	Soil	0.82	23.53	5.38	38.6	170	8.7	8.5	287	2.96	5.3	0.5	1.1	1.8	17.6	0.04	0.27	0.10	89	0.36	0.027
2575255	Soil	0.44	118.87	4.06	28.6	68	8.3	6.9	311	2.30	33.9	0.8	2.6	2.1	23.6	0.04	0.56	0.09	79	0.56	0.020

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575209	Soil	6.1	8.8	0.23	106.1	0.042	1	1.09	0.006	0.07	<0.1	2.2	0.04	<0.02	13	<0.1	<0.02	4.1
2575210	Soil	13.5	19.6	0.42	87.9	0.111	2	1.27	0.031	0.08	<0.1	5.7	0.09	<0.02	26	<0.1	0.03	3.6
2575211	Soil	13.6	21.0	0.39	77.9	0.106	1	1.18	0.039	0.08	<0.1	5.2	0.07	<0.02	26	0.2	0.03	3.2
2575212	Soil	7.5	21.5	0.28	56.0	0.105	<1	1.00	0.014	0.08	<0.1	3.2	0.06	<0.02	11	<0.1	0.02	3.3
2575213	Soil	7.1	22.4	0.34	71.4	0.125	<1	1.10	0.010	0.05	<0.1	3.4	0.06	<0.02	10	<0.1	<0.02	3.5
2575214	Soil	7.3	21.5	0.30	44.6	0.105	<1	1.14	0.009	0.10	0.1	2.8	0.05	<0.02	<5	<0.1	<0.02	3.2
2575215	Soil	14.4	23.7	0.34	72.3	0.095	1	1.28	0.017	0.07	<0.1	5.7	0.08	<0.02	33	<0.1	<0.02	3.4
2575216	Soil	8.2	17.9	0.25	60.9	0.118	1	1.08	0.010	0.05	<0.1	2.8	0.05	<0.02	12	<0.1	<0.02	3.4
2575217	Soil	7.6	17.4	0.29	64.4	0.113	1	1.13	0.010	0.07	<0.1	3.2	0.05	<0.02	12	<0.1	<0.02	3.2
2575218	Soil	10.0	21.5	0.30	52.7	0.137	2	1.08	0.013	0.08	<0.1	3.6	0.08	<0.02	12	<0.1	0.02	3.3
2575219	Soil	14.7	24.5	0.34	77.6	0.119	1	1.30	0.017	0.06	<0.1	6.8	0.08	<0.02	23	<0.1	0.02	3.5
2575220	Soil	10.6	23.7	0.24	45.1	0.135	1	1.01	0.018	0.09	<0.1	5.4	0.08	<0.02	20	<0.1	<0.02	3.1
2575221	Soil	14.9	21.1	0.38	74.4	0.115	1	1.31	0.039	0.07	0.1	5.1	0.07	<0.02	21	<0.1	0.03	3.8
2575222	Soil	11.4	19.9	0.25	57.9	0.128	<1	1.12	0.018	0.08	<0.1	4.8	0.08	<0.02	54	<0.1	<0.02	3.3
2575223	Soil	9.4	18.3	0.27	53.2	0.103	<1	0.87	0.022	0.06	0.1	3.6	0.06	<0.02	14	<0.1	<0.02	2.7
2575224	Soil	9.1	17.8	0.24	74.0	0.104	1	0.91	0.015	0.06	<0.1	3.2	0.05	<0.02	32	0.1	<0.02	2.9
2575225	Soil	11.8	19.0	0.23	67.4	0.122	1	0.97	0.019	0.08	<0.1	4.2	0.05	<0.02	21	<0.1	<0.02	3.0
2575226	Soil	8.5	20.9	0.25	52.1	0.129	<1	1.04	0.015	0.06	<0.1	3.2	0.07	<0.02	13	<0.1	0.02	3.1
2575227	Soil	10.5	23.1	0.27	48.7	0.137	<1	1.13	0.016	0.14	0.1	4.2	0.08	<0.02	13	<0.1	<0.02	3.2
2575228	Soil	10.0	21.6	0.28	65.2	0.115	1	1.43	0.019	0.06	<0.1	4.1	0.07	<0.02	26	<0.1	<0.02	4.0
2575229	Soil	8.2	18.3	0.30	60.8	0.133	<1	1.14	0.012	0.06	0.1	2.9	0.05	<0.02	7	<0.1	<0.02	3.4
2575230	Soil	11.6	20.7	0.38	71.4	0.124	2	1.35	0.030	0.07	<0.1	4.9	0.06	<0.02	28	<0.1	<0.02	4.0
2575231	Soil	14.6	19.9	0.52	106.0	0.133	2	1.03	0.056	0.07	<0.1	4.1	0.07	<0.02	24	<0.1	0.03	3.2
2575232	Soil	12.8	21.6	0.40	81.9	0.131	<1	1.23	0.038	0.07	<0.1	5.2	0.07	<0.02	18	<0.1	<0.02	3.9
2575233	Soil	10.7	22.7	0.37	93.2	0.128	<1	1.25	0.032	0.05	<0.1	4.6	0.06	<0.02	19	<0.1	<0.02	3.6
2575251	Soil	6.1	13.3	0.43	74.1	0.096	<1	1.60	0.011	0.05	<0.1	3.0	0.05	<0.02	15	<0.1	<0.02	4.7
2575252	Soil	8.2	13.9	0.48	76.8	0.083	1	2.16	0.006	0.07	<0.1	4.7	0.08	<0.02	21	<0.1	<0.02	6.4
2575253	Soil	7.2	12.5	0.76	96.5	0.089	3	2.27	0.009	0.10	<0.1	5.7	0.10	<0.02	57	0.1	<0.02	7.4
2575254	Soil	7.4	15.3	0.48	62.8	0.110	<1	1.68	0.008	0.04	0.1	3.7	0.06	<0.02	21	<0.1	0.03	5.8
2575255	Soil	7.9	17.2	0.45	70.9	0.094	2	1.44	0.019	0.05	<0.1	6.8	0.07	<0.02	19	0.1	<0.02	3.7

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575256	Soil	0.30	30.49	3.68	37.4	40	9.1	8.9	361	2.67	6.3	0.5	0.7	2.1	25.0	0.05	0.44	0.09	72	0.56	0.045
2575257	Soil	0.64	17.16	4.55	42.1	36	8.1	7.8	223	3.03	5.7	0.5	<0.2	2.0	16.0	0.04	0.23	0.09	80	0.26	0.088
2575258	Soil	0.36	56.87	4.05	63.7	83	11.2	11.2	343	2.60	11.0	0.5	0.4	1.7	20.1	0.08	0.19	0.08	73	0.46	0.041
2575259	Soil	0.41	25.53	7.89	66.2	146	7.8	11.9	410	3.75	7.9	0.5	<0.2	1.6	23.7	0.09	0.18	0.10	89	0.63	0.075
2575260	Soil	1.15	14.42	7.65	64.8	215	9.1	10.0	713	3.72	4.2	0.6	<0.2	3.3	15.8	0.10	0.21	0.17	89	0.21	0.210
2575261	Soil	0.67	16.21	4.37	51.1	150	11.5	9.6	513	3.05	5.4	0.5	0.5	2.1	18.9	0.13	0.26	0.09	77	0.24	0.040
2575262	Soil	2.04	14.90	16.13	43.8	25	7.3	7.3	238	2.42	3.1	0.4	<0.2	1.7	15.6	0.06	0.25	0.12	68	0.22	0.039
2575263	Soil	0.76	14.41	5.26	69.5	21	9.8	9.2	250	3.15	4.0	0.5	0.2	2.7	16.1	0.08	0.19	0.11	72	0.20	0.168
2575264	Soil	0.74	24.43	4.12	30.5	75	9.3	8.5	299	2.43	4.2	0.5	0.3	2.0	24.2	0.06	0.19	0.08	62	0.38	0.038
2575265	Soil	1.28	19.67	9.12	45.9	124	13.6	9.4	301	2.94	6.0	0.5	0.5	2.3	44.9	0.09	0.23	0.17	71	0.42	0.053
2575266	Soil	0.48	72.18	6.56	35.5	281	10.8	10.0	561	2.65	4.4	2.8	1.3	3.2	46.1	0.13	0.24	0.15	60	0.74	0.035
2575267	Soil	0.28	32.73	7.16	63.6	72	10.9	11.2	315	2.37	5.9	2.0	0.9	3.9	40.4	0.08	0.30	0.13	55	0.72	0.086
2575268	Soil	0.32	11.23	3.61	32.8	44	6.2	5.2	269	2.04	3.0	0.6	0.6	2.7	28.6	0.05	0.27	0.07	47	0.42	0.053
2575269	Soil	0.91	55.33	7.21	43.6	247	12.0	8.2	1273	2.81	4.1	3.5	0.4	2.4	82.0	0.35	0.36	0.15	45	1.41	0.047
2575270	Soil	1.15	10.52	4.09	29.5	14	9.6	7.5	166	2.56	3.3	0.4	0.2	1.9	18.2	0.04	0.19	0.08	62	0.22	0.052
2575271	Soil	0.62	6.93	4.07	38.0	11	6.6	4.8	153	2.20	2.5	0.4	<0.2	1.6	15.7	0.04	0.18	0.07	47	0.20	0.051
2575272	Soil	0.52	8.13	5.02	30.0	51	4.9	5.7	495	1.91	4.0	0.7	1.1	1.6	39.1	0.08	0.25	0.09	40	0.48	0.018
2575273	Soil	0.54	25.40	5.80	50.5	95	7.7	6.9	649	2.49	2.6	1.0	<0.2	2.4	79.1	0.24	0.27	0.21	49	0.83	0.028
2575274	Soil	0.65	12.01	5.41	65.0	47	9.4	9.5	285	2.70	3.1	0.5	0.5	2.2	19.9	0.06	0.32	0.15	60	0.23	0.089
2575275	Soil	0.63	6.99	6.07	40.7	46	6.2	5.5	158	2.03	2.7	0.4	0.5	1.8	14.3	0.04	0.17	0.11	49	0.19	0.074
2575276	Soil	0.94	10.29	5.62	30.7	14	7.4	6.6	179	1.80	2.0	0.4	<0.2	1.6	20.1	0.04	0.15	0.09	47	0.21	0.028
2575277	Soil	0.87	10.45	4.87	42.8	12	8.4	6.2	162	2.17	2.3	0.5	<0.2	2.3	19.2	0.04	0.14	0.10	53	0.19	0.047
2575278	Soil	1.22	8.14	10.73	107.2	258	13.1	7.3	328	2.59	6.4	0.3	<0.2	1.3	19.5	0.19	0.26	0.13	58	0.24	0.053
2575279	Soil	0.85	9.99	7.35	64.7	182	13.6	6.7	337	2.38	6.2	0.3	1.7	1.6	22.1	0.10	0.23	0.09	57	0.30	0.030
2575280	Soil	0.97	12.83	10.64	66.5	175	12.6	6.5	318	2.82	14.8	0.4	6.6	2.0	25.0	0.10	0.42	0.09	66	0.34	0.032
2575281	Soil	0.85	8.25	7.97	34.4	70	11.3	5.9	342	2.28	5.8	0.3	0.2	1.7	24.7	0.06	0.25	0.08	59	0.31	0.015
2575282	Soil	2.00	14.49	12.46	98.8	252	15.2	9.9	702	3.13	8.4	0.4	0.7	1.3	46.5	0.29	0.25	0.11	73	0.53	0.251
2575283	Soil	1.06	8.75	8.51	70.9	153	8.9	4.8	1205	1.87	2.2	0.3	<0.2	1.4	38.0	0.14	0.17	0.10	44	0.54	0.119
2575284	Soil	0.75	12.01	5.75	37.2	68	15.4	6.5	283	2.38	6.2	0.5	0.6	2.0	25.3	0.06	0.29	0.09	64	0.33	0.020
2575285	Soil	0.79	8.14	6.23	40.6	166	12.9	6.0	511	2.02	3.3	0.3	9.8	1.7	38.9	0.09	0.20	0.09	54	0.49	0.046

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Project: Big Bear
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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575256	Soil	6.1	14.8	0.78	58.1	0.135	2	1.69	0.022	0.06	0.1	5.9	0.05	<0.02	12	<0.1	<0.02	5.4
2575257	Soil	5.7	14.3	0.46	51.2	0.099	1	1.78	0.012	0.05	0.1	3.6	0.05	<0.02	23	<0.1	<0.02	5.7
2575258	Soil	5.8	12.8	0.87	81.9	0.113	2	2.27	0.017	0.05	<0.1	4.9	0.06	<0.02	15	<0.1	<0.02	6.3
2575259	Soil	5.8	9.7	0.72	89.8	0.133	3	1.70	0.010	0.06	0.2	6.5	0.05	<0.02	31	<0.1	<0.02	7.3
2575260	Soil	6.6	27.1	0.40	73.3	0.110	<1	1.98	0.009	0.06	0.2	3.8	0.07	<0.02	56	<0.1	0.02	8.0
2575261	Soil	6.5	16.6	0.54	57.3	0.107	2	1.54	0.013	0.05	0.2	4.2	0.05	<0.02	15	<0.1	<0.02	5.0
2575262	Soil	5.7	13.4	0.34	64.8	0.122	1	1.40	0.008	0.06	<0.1	2.7	0.05	<0.02	25	<0.1	<0.02	6.3
2575263	Soil	6.4	18.8	0.40	87.5	0.096	1	1.70	0.008	0.05	0.2	3.5	0.05	<0.02	31	<0.1	<0.02	6.4
2575264	Soil	5.9	14.4	0.47	68.2	0.119	1	1.64	0.016	0.06	0.1	4.1	0.05	<0.02	22	<0.1	<0.02	4.4
2575265	Soil	7.7	20.6	0.43	91.6	0.153	<1	2.19	0.014	0.08	0.1	3.8	0.07	<0.02	21	<0.1	0.04	6.3
2575266	Soil	14.1	19.7	0.59	113.1	0.107	2	1.77	0.034	0.06	<0.1	5.8	0.12	<0.02	27	0.2	<0.02	5.6
2575267	Soil	12.6	17.3	0.71	70.6	0.120	1	1.15	0.026	0.08	<0.1	5.5	0.06	<0.02	18	<0.1	0.02	4.7
2575268	Soil	10.0	14.5	0.36	52.4	0.089	<1	0.75	0.031	0.06	<0.1	4.1	0.04	<0.02	10	<0.1	<0.02	2.6
2575269	Soil	18.8	20.6	0.50	179.3	0.062	2	1.93	0.024	0.12	<0.1	12.2	0.10	0.04	60	0.5	0.02	5.8
2575270	Soil	5.2	15.9	0.29	54.6	0.099	1	1.55	0.009	0.05	<0.1	2.4	0.04	<0.02	20	<0.1	<0.02	4.4
2575271	Soil	5.9	10.1	0.26	111.2	0.060	<1	1.48	0.006	0.05	<0.1	2.6	0.03	<0.02	11	<0.1	<0.02	3.8
2575272	Soil	9.8	10.5	0.30	102.7	0.060	1	1.10	0.019	0.09	<0.1	4.8	0.05	<0.02	20	<0.1	<0.02	3.5
2575273	Soil	8.9	18.8	0.59	182.2	0.110	2	1.58	0.031	0.11	<0.1	6.7	0.07	<0.02	14	<0.1	<0.02	4.7
2575274	Soil	7.6	17.1	0.42	109.4	0.099	<1	1.75	0.008	0.06	0.1	3.2	0.06	<0.02	18	<0.1	0.03	4.6
2575275	Soil	6.1	11.4	0.21	73.4	0.073	<1	1.41	0.007	0.04	<0.1	2.4	0.04	<0.02	20	<0.1	<0.02	5.2
2575276	Soil	6.4	12.9	0.29	98.3	0.095	<1	1.37	0.008	0.03	<0.1	2.8	0.06	<0.02	15	<0.1	<0.02	4.6
2575277	Soil	6.1	15.0	0.27	81.5	0.095	<1	1.51	0.009	0.04	0.1	2.6	0.05	<0.02	13	<0.1	<0.02	4.8
2575278	Soil	6.7	18.7	0.35	75.7	0.063	1	1.42	0.008	0.08	<0.1	2.7	0.06	<0.02	19	<0.1	0.04	4.9
2575279	Soil	7.5	21.2	0.30	54.6	0.089	<1	1.25	0.009	0.07	<0.1	3.1	0.07	<0.02	24	<0.1	<0.02	4.0
2575280	Soil	7.3	22.1	0.32	53.3	0.111	<1	1.10	0.009	0.07	<0.1	3.5	0.05	<0.02	13	<0.1	0.03	3.4
2575281	Soil	8.0	20.6	0.22	48.3	0.113	1	1.00	0.015	0.08	<0.1	3.7	0.06	<0.02	8	<0.1	<0.02	3.1
2575282	Soil	7.0	16.8	0.42	52.4	0.091	1	1.80	0.013	0.08	0.1	3.7	0.09	0.03	26	0.1	<0.02	5.2
2575283	Soil	8.2	17.2	0.21	129.6	0.082	2	1.19	0.008	0.08	<0.1	2.9	0.07	<0.02	12	<0.1	<0.02	3.9
2575284	Soil	9.2	22.8	0.30	49.8	0.109	<1	1.27	0.009	0.04	<0.1	4.0	0.09	<0.02	12	<0.1	<0.02	3.4
2575285	Soil	7.3	19.8	0.27	80.5	0.107	1	1.13	0.009	0.06	<0.1	3.1	0.06	<0.02	21	<0.1	<0.02	3.8

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2575286	Soil	0.67	7.18	5.65	38.3	81	14.0	5.9	302	2.25	5.4	0.3	<0.2	1.8	28.1	0.06	0.25	0.08	59	0.34	0.025
2575287	Soil	0.61	6.69	5.66	96.7	156	13.1	5.6	495	2.01	1.7	0.3	<0.2	1.6	24.1	0.12	0.17	0.07	48	0.30	0.080
2575288	Soil	0.76	12.53	7.68	65.6	165	12.3	6.5	881	2.15	2.7	0.3	<0.2	1.7	27.9	0.16	0.19	0.10	50	0.35	0.103
2575289	Soil	0.40	16.30	6.71	60.0	188	12.6	6.0	370	2.22	3.4	0.6	1.5	2.1	110.9	0.22	0.22	0.11	49	3.63	0.067
2575290	Soil	0.56	16.92	8.06	43.2	108	12.5	8.5	580	2.63	4.8	0.6	1.1	2.8	71.5	0.11	0.31	0.12	63	0.95	0.041
2575291	Soil	0.64	7.54	6.06	40.6	84	11.6	6.1	253	2.20	4.0	0.4	0.3	1.9	26.9	0.05	0.25	0.08	56	0.30	0.041
2575292	Soil	0.67	9.23	4.85	27.3	58	10.4	6.0	244	2.24	6.4	0.4	1.0	2.1	24.7	0.04	0.28	0.10	59	0.27	0.042
2575293	Soil	0.82	9.62	7.26	64.4	141	12.4	6.6	350	2.40	5.7	0.4	0.4	2.2	27.7	0.10	0.25	0.12	58	0.31	0.051
2575294	Soil	0.71	8.72	6.67	55.6	74	11.8	6.8	303	2.38	4.2	0.4	0.4	2.0	26.8	0.07	0.25	0.13	59	0.31	0.046
2575295	Soil	0.59	7.50	7.81	62.4	175	12.7	5.7	334	2.23	3.4	0.4	0.3	1.6	34.2	0.11	0.20	0.11	52	0.42	0.087
2575296	Soil	0.64	9.12	4.67	47.6	128	15.5	6.3	370	2.09	2.3	0.3	0.6	1.3	31.8	0.07	0.18	0.09	49	0.36	0.075
2575297	Soil	0.57	8.43	4.62	40.0	138	14.9	5.6	342	2.13	3.0	0.3	<0.2	1.6	28.9	0.05	0.19	0.10	52	0.33	0.062
2575298	Soil	0.61	10.94	5.11	30.3	81	12.3	6.6	225	2.39	4.6	0.4	0.5	2.4	28.3	0.03	0.27	0.08	64	0.30	0.015
2575299	Soil	0.56	9.58	4.85	41.1	104	11.0	5.2	302	2.04	3.0	0.4	0.6	2.0	27.2	0.05	0.20	0.09	53	0.31	0.057
2575300	Soil	0.79	6.77	4.91	31.4	55	8.3	5.0	205	2.03	3.0	0.4	<0.2	1.7	29.0	0.03	0.22	0.10	55	0.27	0.016
2575301	Soil	0.62	7.57	5.20	29.5	70	9.7	5.9	249	2.28	4.4	0.4	0.6	2.0	34.5	0.03	0.26	0.09	59	0.33	0.012

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Project: Big Bear
Report Date: November 29, 2016

CERTIFICATE OF ANALYSIS VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2575286	Soil	6.9	22.2	0.29	57.4	0.122	<1	1.04	0.013	0.06	<0.1	3.0	0.05	<0.02	7	<0.1	<0.02	3.2
2575287	Soil	6.8	19.1	0.31	72.4	0.094	1	1.08	0.010	0.10	<0.1	2.7	0.05	<0.02	6	<0.1	<0.02	3.5
2575288	Soil	8.1	17.9	0.26	113.3	0.090	<1	1.20	0.012	0.10	<0.1	3.4	0.07	<0.02	14	<0.1	<0.02	3.6
2575289	Soil	12.3	20.2	0.53	80.7	0.100	2	1.11	0.039	0.08	<0.1	4.5	0.06	0.04	16	0.2	<0.02	3.5
2575290	Soil	13.7	19.7	0.44	102.2	0.131	1	1.29	0.043	0.07	<0.1	4.6	0.06	<0.02	14	0.1	0.03	3.8
2575291	Soil	7.4	19.4	0.28	52.7	0.116	1	1.06	0.010	0.06	<0.1	3.0	0.05	<0.02	6	<0.1	<0.02	3.3
2575292	Soil	10.4	21.0	0.26	44.6	0.115	<1	0.80	0.012	0.08	<0.1	4.3	0.06	<0.02	5	<0.1	0.03	2.5
2575293	Soil	7.8	19.2	0.32	72.9	0.123	<1	1.11	0.013	0.06	<0.1	3.1	0.06	<0.02	12	<0.1	<0.02	3.8
2575294	Soil	8.2	17.9	0.37	60.7	0.136	<1	1.20	0.012	0.09	<0.1	2.9	0.05	<0.02	9	<0.1	<0.02	4.3
2575295	Soil	7.7	17.5	0.28	66.7	0.082	2	1.22	0.009	0.09	<0.1	2.4	0.05	<0.02	15	<0.1	<0.02	3.6
2575296	Soil	6.9	18.6	0.30	51.0	0.094	<1	1.18	0.010	0.08	0.1	2.4	0.04	<0.02	12	<0.1	<0.02	3.6
2575297	Soil	7.5	19.4	0.26	56.6	0.095	<1	1.10	0.011	0.07	<0.1	3.0	0.05	<0.02	9	<0.1	<0.02	3.5
2575298	Soil	8.1	21.4	0.26	47.6	0.148	<1	0.97	0.014	0.06	<0.1	3.7	0.08	<0.02	10	<0.1	0.03	2.8
2575299	Soil	8.0	18.1	0.27	58.4	0.135	<1	0.90	0.010	0.08	<0.1	3.0	0.05	<0.02	8	<0.1	<0.02	3.3
2575300	Soil	7.1	17.5	0.27	63.5	0.149	<1	0.98	0.013	0.04	<0.1	2.6	0.04	<0.02	9	<0.1	<0.02	3.8
2575301	Soil	7.8	19.4	0.27	60.9	0.136	<1	0.97	0.014	0.04	<0.1	2.9	0.06	<0.02	12	<0.1	<0.02	3.5

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Project: Big Bear
Report Date: November 29, 2016

QUALITY CONTROL REPORT VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
2568024	Soil	0.44	7.35	4.81	59.4	39	15.8	8.4	308	2.73	3.3	0.3	<0.2	1.6	19.2	0.04	0.17	0.08	61	0.24	0.049
REP 2568024	QC	0.47	7.47	4.63	59.5	42	15.6	8.5	313	2.78	3.6	0.3	<0.2	1.9	19.6	0.04	0.18	0.07	63	0.25	0.048
2575111	Soil	0.82	15.04	6.32	49.8	222	25.7	5.9	183	2.70	10.2	0.4	1.4	2.3	41.4	0.07	0.46	0.15	42	0.40	0.013
REP 2575111	QC	0.79	15.27	6.28	49.1	219	25.8	6.1	184	2.71	10.1	0.4	1.2	2.3	40.9	0.05	0.44	0.14	42	0.40	0.013
2575147	Soil	0.81	10.45	5.51	33.7	70	7.6	5.9	487	2.40	8.3	1.1	0.6	2.1	41.1	0.05	0.35	0.09	52	0.44	0.027
REP 2575147	QC	0.85	10.56	5.56	35.1	67	7.8	5.8	472	2.38	8.3	1.1	0.3	2.2	41.0	0.06	0.33	0.09	52	0.43	0.026
2575183	Soil	0.68	14.43	44.37	116.2	595	15.2	7.0	545	2.53	20.4	0.6	6.7	2.0	47.9	0.26	0.67	0.14	49	0.48	0.019
REP 2575183	QC	0.70	15.00	44.78	118.2	605	15.4	7.1	554	2.54	20.6	0.6	3.4	2.0	48.3	0.26	0.67	0.15	50	0.48	0.018
2575219	Soil	0.64	20.15	5.99	39.2	78	20.1	7.1	342	2.55	6.9	0.6	10.4	2.7	44.2	0.05	0.39	0.10	63	0.43	0.037
REP 2575219	QC	0.60	19.85	6.00	40.0	70	19.5	6.9	314	2.57	6.9	0.6	1.4	2.5	43.4	0.04	0.37	0.10	64	0.44	0.032
2575272	Soil	0.52	8.13	5.02	30.0	51	4.9	5.7	495	1.91	4.0	0.7	1.1	1.6	39.1	0.08	0.25	0.09	40	0.48	0.018
REP 2575272	QC	0.47	8.16	4.82	29.3	50	4.7	5.5	464	1.88	3.5	0.6	1.2	1.5	36.9	0.08	0.22	0.08	39	0.48	0.018
2575296	Soil	0.64	9.12	4.67	47.6	128	15.5	6.3	370	2.09	2.3	0.3	0.6	1.3	31.8	0.07	0.18	0.09	49	0.36	0.075
REP 2575296	QC	0.63	9.35	4.82	48.1	130	16.1	6.9	371	2.13	2.4	0.3	0.5	1.3	33.0	0.07	0.18	0.11	51	0.37	0.076
Reference Materials																					
STD DS10	Standard	14.86	152.08	150.28	372.8	1905	72.8	13.1	867	2.73	45.3	2.6	80.3	7.5	63.1	2.40	9.17	12.27	40	1.06	0.071
STD DS10	Standard	15.12	157.33	154.61	385.0	1977	77.6	13.4	905	2.77	47.6	2.7	82.4	7.7	66.9	2.57	9.58	12.90	43	1.07	0.078
STD DS10	Standard	14.54	155.98	162.42	395.5	1872	76.4	12.6	920	2.73	51.0	2.7	80.4	8.1	74.2	2.92	10.49	14.41	40	1.05	0.080
STD DS10	Standard	15.12	161.76	149.01	368.8	1915	78.9	12.8	889	2.86	44.1	2.5	70.9	7.8	62.0	2.58	9.60	11.85	44	1.09	0.073
STD DS10	Standard	15.56	173.05	152.36	355.6	2045	80.3	13.5	842	2.81	48.3	2.7	85.0	7.9	66.0	2.86	9.44	12.62	44	1.06	0.078
STD DS10	Standard	14.91	161.23	140.92	350.4	1721	74.8	12.7	840	2.75	39.7	2.4	89.2	7.1	60.4	2.54	9.45	11.04	44	1.09	0.074
STD DS10	Standard	14.37	159.15	153.18	352.2	1916	72.6	13.2	857	2.74	47.0	2.9	145.8	8.0	65.9	2.91	10.88	13.03	43	1.06	0.077
STD OXC129	Standard	1.28	26.91	6.23	44.4	10	77.3	20.9	395	2.93	0.5	0.7	214.7	1.8	171.2	0.02	0.03	<0.02	47	0.61	0.092
STD OXC129	Standard	1.27	26.94	6.06	44.4	11	80.2	20.2	401	2.97	0.5	0.6	209.1	1.8	191.1	0.02	0.12	<0.02	52	0.65	0.105
STD OXC129	Standard	1.28	26.32	6.22	44.3	10	79.0	20.3	415	3.02	0.4	0.7	202.1	1.9	205.0	0.03	0.03	<0.02	49	0.64	0.114
STD OXC129	Standard	1.38	29.80	6.34	40.1	13	84.4	22.4	449	3.06	0.6	0.7	198.0	2.0	180.8	0.04	0.04	<0.02	51	0.67	0.096
STD OXC129	Standard	1.33	28.90	6.57	40.3	20	78.5	21.3	416	3.11	0.6	0.7	207.4	2.0	197.5	0.04	0.04	<0.02	52	0.65	0.102
STD OXC129	Standard	1.22	27.32	6.15	38.8	16	78.6	20.3	395	2.96	0.5	0.6	183.2	1.8	162.7	0.04	0.05	<0.02	51	0.67	0.097

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Project: Big Bear
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QUALITY CONTROL REPORT VAN16002015.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
2568024	Soil	5.3	19.5	0.47	66.4	0.087	<1	1.36	0.009	0.06	<0.1	2.6	0.04	<0.02	9	<0.1	<0.02	4.7
REP 2568024	QC	5.4	19.7	0.46	71.1	0.093	<1	1.37	0.010	0.06	<0.1	2.7	0.04	<0.02	7	<0.1	<0.02	4.7
2575111	Soil	8.8	21.2	0.33	160.1	0.048	1	1.12	0.017	0.08	<0.1	8.1	0.08	<0.02	73	<0.1	0.03	2.9
REP 2575111	QC	8.4	21.3	0.33	155.9	0.048	2	1.13	0.017	0.08	<0.1	7.8	0.07	<0.02	66	<0.1	<0.02	2.8
2575147	Soil	9.5	17.3	0.33	108.2	0.072	1	1.15	0.017	0.08	<0.1	5.2	0.06	<0.02	21	0.3	<0.02	3.0
REP 2575147	QC	9.6	17.2	0.33	105.3	0.071	1	1.13	0.017	0.08	<0.1	5.1	0.07	<0.02	22	0.1	<0.02	3.0
2575183	Soil	10.3	19.5	0.32	95.7	0.078	2	1.23	0.011	0.09	<0.1	4.2	0.07	<0.02	30	0.3	0.03	3.4
REP 2575183	QC	10.4	19.9	0.32	96.6	0.082	2	1.26	0.011	0.09	<0.1	4.8	0.07	<0.02	37	0.2	0.03	3.7
2575219	Soil	14.7	24.5	0.34	77.6	0.119	1	1.30	0.017	0.06	<0.1	6.8	0.08	<0.02	23	<0.1	0.02	3.5
REP 2575219	QC	14.5	23.8	0.37	75.2	0.117	<1	1.33	0.018	0.07	<0.1	6.3	0.07	<0.02	20	<0.1	0.02	3.2
2575272	Soil	9.8	10.5	0.30	102.7	0.060	1	1.10	0.019	0.09	<0.1	4.8	0.05	<0.02	20	<0.1	<0.02	3.5
REP 2575272	QC	8.8	9.6	0.27	92.8	0.057	2	1.08	0.018	0.09	<0.1	4.2	0.04	<0.02	14	<0.1	<0.02	3.2
2575296	Soil	6.9	18.6	0.30	51.0	0.094	<1	1.18	0.010	0.08	0.1	2.4	0.04	<0.02	12	<0.1	<0.02	3.6
REP 2575296	QC	7.1	18.8	0.35	53.6	0.100	1	1.20	0.009	0.08	<0.1	2.6	0.04	<0.02	6	<0.1	<0.02	3.7
Reference Materials																		
STD DS10	Standard	16.6	55.6	0.77	351.0	0.077	7	1.04	0.069	0.33	3.4	2.9	5.21	0.26	326	1.9	5.03	4.3
STD DS10	Standard	16.4	58.1	0.80	373.1	0.077	7	1.07	0.070	0.34	3.2	3.1	5.40	0.26	325	1.9	5.14	4.4
STD DS10	Standard	16.5	56.6	0.76	406.3	0.075	7	1.02	0.069	0.33	3.3	3.3	5.40	0.27	346	1.7	4.98	4.0
STD DS10	Standard	17.8	55.4	0.79	337.5	0.080	6	1.07	0.072	0.34	3.4	2.9	5.14	0.29	282	2.1	4.81	4.3
STD DS10	Standard	17.3	57.0	0.78	358.3	0.075	6	1.03	0.069	0.33	3.4	2.9	5.31	0.29	296	2.3	5.24	4.7
STD DS10	Standard	16.9	53.4	0.79	323.8	0.081	6	1.06	0.072	0.34	3.1	2.9	4.77	0.27	258	2.0	4.57	4.1
STD DS10	Standard	18.6	55.8	0.78	360.8	0.079	7	1.04	0.068	0.34	3.3	2.8	5.19	0.26	291	2.0	4.98	4.4
STD OXC129	Standard	11.7	50.1	1.48	48.1	0.371	1	1.47	0.578	0.37	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	11.2	51.7	1.52	51.2	0.408	1	1.55	0.601	0.38	<0.1	1.4	0.04	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	11.6	53.0	1.52	53.0	0.408	1	1.51	0.586	0.37	<0.1	1.6	0.04	<0.02	<5	<0.1	<0.02	5.1
STD OXC129	Standard	12.8	54.8	1.54	50.2	0.405	<1	1.58	0.604	0.36	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.7
STD OXC129	Standard	13.3	55.9	1.56	51.6	0.412	<1	1.57	0.610	0.37	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	6.2
STD OXC129	Standard	11.6	51.9	1.48	43.5	0.356	1	1.50	0.591	0.36	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	4.7

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Report Date: November 29, 2016

QUALITY CONTROL REPORT VAN16002015.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD OXC129	Standard	1.26	29.97	6.53	44.1	14	77.4	20.3	408	2.98	0.4	0.7	190.4	1.9	189.4	0.05	0.07	<0.02	51	0.68	0.104
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

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PHONE (604) 253-3158

Project: Big Bear
Report Date: November 29, 2016

QUALITY CONTROL REPORT VAN16002015.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
STD OXC129	Standard	12.8	51.2	1.49	51.9	0.398	1	1.51	0.595	0.38	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.4
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	0.7	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Submitted By: Ian Webster
Receiving Lab: Canada-Vancouver
Received: October 20, 2016
Report Date: December 08, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16002016.1

CLIENT JOB INFORMATION

Project: Big Bear
Shipment ID: BB2016-4
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT Dispose of Reject After 90 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
PRP70-250	14	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA430	14	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	14	Environmental disposal charge-Fire assay lead waste			VAN
MA270	14	4 Acid digestion - ICP-ES/ICP-MS analysis	0.5	Completed	VAN
DRPLP	14	Warehouse handling / disposition of pulps			VAN
DRRJT	14	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

Invoice To: Little Bear Gold Corp.
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6
Canada

CC: Robert Eadie

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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Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Project: Big Bear
Report Date: December 08, 2016

CERTIFICATE OF ANALYSIS VAN16002016.1

	Method	WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
2575001	Rock	1.04	0.007	0.8	43.2	62.3	269	0.9	50.0	24	8886	5.19	37	0.7	1.9	114	1.6	1.7	<0.5	197	7.76
2575002	Rock	1.33	0.038	0.8	40.0	70.1	349	1.4	61.5	27	9202	5.46	84	0.7	1.6	89	1.5	1.5	<0.5	198	7.70
2575003	Rock	1.04	<0.005	4.2	3.0	6.8	31	<0.5	1.8	1	577	1.07	20	3.3	6.6	110	<0.5	0.6	<0.5	12	0.89
2575004	Rock	1.15	0.005	0.6	20.8	7.2	122	<0.5	6.7	34	1788	8.71	<5	1.1	2.4	679	<0.5	<0.5	<0.5	422	4.23
2575005	Rock	1.09	0.015	0.7	124.3	18.1	8954	2.1	65.3	8	1432	4.85	55	0.8	1.9	22	52.3	3.8	0.6	82	0.57
2575006	Rock	1.11	0.025	1.4	267.7	28.4	3320	3.5	89.2	20	2303	5.57	47	1.1	2.2	25	19.0	5.0	1.6	85	0.48
2575007	Rock	1.00	0.038	1.0	206.8	22.4	4891	2.1	107.8	14	2498	6.12	99	1.2	2.3	31	29.2	4.6	0.6	89	0.45
2575008	Rock	1.00	0.043	2.4	170.5	29.7	5200	3.7	156.6	17	1268	7.33	77	1.4	3.4	14	33.9	5.2	0.7	149	0.11
2575009	Rock	1.12	0.037	1.3	202.7	51.6	17253	8.5	79.8	6	5498	3.18	36	0.6	1.4	97	98.6	1.4	1.3	58	2.80
2575010	Rock	1.12	0.152	1.0	966.5	88.5	45268	11.1	68.2	17	3748	6.18	95	0.7	1.6	44	272.8	3.2	16.4	67	1.25
2575011	Rock	1.51	0.018	1.4	189.1	20.6	2130	1.6	155.4	21	3076	5.85	42	1.1	2.2	48	12.1	3.4	0.9	97	1.27
2575012	Rock	0.64	0.006	<0.5	27470.3	10.9	48	7.2	5.0	9	2143	7.78	37	1.2	1.4	3737	0.8	<0.5	<0.5	405	16.54
2575013	Rock	0.50	<0.005	<0.5	30082.9	11.2	93	8.6	3.8	8	1803	7.54	39	0.6	0.8	3619	0.8	<0.5	<0.5	383	16.76
2575014	Rock	0.98	3.476	<0.5	5346.3	2298.5	184290	328.6	109.4	80	3006	27.64	1391	<0.5	<0.5	25	1184.9	4.9	300.0	<10	1.08

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Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Project: Big Bear
Report Date: December 08, 2016

CERTIFICATE OF ANALYSIS VAN16002016.1

		Method	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
		Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
2575001	Rock		0.16	12.8	107	2.40	594	0.388	8.30	0.26	2.53	0.7	59.7	28	1.0	16.8	3.3	<0.5	<5	24	15.5	0.43
2575002	Rock		0.15	14.2	100	2.33	460	0.368	8.22	0.05	2.60	0.7	47.2	30	<0.5	16.7	3.0	<0.5	<5	26	18.1	0.48
2575003	Rock		0.02	30.3	4	0.10	621	0.117	6.62	2.60	2.76	0.8	51.9	55	1.9	11.5	15.2	1.1	<5	<1	10.7	<0.05
2575004	Rock		0.10	13.0	6	2.35	471	0.664	8.35	2.87	1.63	0.6	71.8	26	0.9	22.3	3.0	<0.5	<5	33	27.3	<0.05
2575005	Rock		0.04	5.1	151	0.47	246	0.121	3.36	0.02	1.50	2.6	36.7	11	0.5	7.6	2.4	<0.5	<5	7	7.3	3.87
2575006	Rock		0.03	14.8	147	0.58	294	0.152	3.84	0.03	1.48	1.7	42.4	26	<0.5	8.6	3.1	<0.5	<5	7	6.6	3.19
2575007	Rock		0.04	8.9	138	0.64	348	0.143	3.93	0.03	1.51	1.8	44.3	17	0.8	8.5	3.0	<0.5	<5	8	8.2	4.10
2575008	Rock		0.07	11.1	99	1.20	386	0.295	6.06	0.04	2.19	2.0	64.5	23	1.4	11.5	4.7	<0.5	<5	13	8.6	4.82
2575009	Rock		0.02	7.2	119	0.98	205	0.106	2.65	0.02	0.97	2.0	30.3	13	<0.5	6.6	1.8	<0.5	<5	5	12.5	1.19
2575010	Rock		0.03	8.9	91	0.70	265	0.125	3.12	0.02	1.11	1.6	31.1	16	1.1	6.9	2.3	<0.5	<5	6	10.8	4.55
2575011	Rock		0.04	14.2	211	1.16	290	0.190	4.38	0.03	1.58	1.1	49.5	26	1.2	13.2	3.7	<0.5	<5	9	15.2	2.81
2575012	Rock		0.06	7.5	7	0.73	9	0.397	8.51	0.03	<0.01	<0.5	45.9	15	0.6	15.0	1.7	<0.5	<5	25	4.0	<0.05
2575013	Rock		0.04	4.6	8	0.49	7	0.223	8.35	0.02	<0.01	<0.5	26.3	9	<0.5	9.4	0.9	<0.5	<5	13	4.1	<0.05
2575014	Rock		<0.01	<0.5	6	0.17	21	0.003	0.08	<0.01	<0.01	3.2	0.5	<5	<0.5	0.8	<0.5	<0.5	<5	3	3.4	>30

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Client: **Little Bear Gold Corp.**
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Project: Big Bear
Report Date: December 08, 2016

CERTIFICATE OF ANALYSIS VAN16002016.1

		Method	MA270	MA270	MA270
		Analyte	Rb	Hf	Se
		Unit	ppm	ppm	ppm
		MDL	0.5	0.5	5
2575001	Rock		80.2	1.8	<5
2575002	Rock		81.1	1.1	<5
2575003	Rock		53.9	2.0	<5
2575004	Rock		31.5	1.8	<5
2575005	Rock		50.2	1.1	<5
2575006	Rock		46.0	0.9	<5
2575007	Rock		47.7	1.4	<5
2575008	Rock		73.1	1.8	<5
2575009	Rock		34.5	0.6	<5
2575010	Rock		38.1	1.0	<5
2575011	Rock		52.2	1.1	<5
2575012	Rock		<0.5	1.1	<5
2575013	Rock		<0.5	1.0	<5
2575014	Rock		0.7	<0.5	17

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Report Date: December 08, 2016

QUALITY CONTROL REPORT VAN16002016.1

	Method	WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
Reference Materials																					
STD GBM398-4-MA	Standard			910.9	3949.7	12138.5	5447	49.2	4184.7	2118	5271	5.20	10	0.8	1.2	56	8.6	9.6	12.3	57	1.27
STD OREAS927-MA	Standard			1.0	10816.7	215.8	780	3.9	30.4	30	1281	8.63	13	2.6	13.9	<5	0.9	1.6	67.1	78	0.33
STD OXC145	Standard		0.224																		
STD OXH122	Standard		1.252																		
STD OXN117	Standard		7.551																		
STD OXN117 Expected			7.679																		
STD OXC145 Expected			0.212																		
STD OXH122 Expected			1.247																		
STD GBM398-4-MA Expected				900	3930	11645	5212	49.7	4110	2000	5300	5.05	7	0.8	1.1	53	7.9	9.52	10.9	61	1.27
STD OREAS927-MA Expected				1.06	10800	231	798	4.6	33.3	31	1217	8.56	9.2	2.7	14.4	29.3	1.1	1.9	62.7	77	0.4
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.5	0.7	<0.5	<5	<0.5	0.7	<1	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	0.02
Prep Wash																					
ROCK-VAN	Prep Blank		<0.005	0.8	10.3	10.9	46	<0.5	1.1	4	761	2.17	<5	1.1	2.8	192	<0.5	<0.5	<0.5	36	1.44
ROCK-VAN	Prep Blank		<0.005	1.0	6.5	8.7	45	<0.5	2.1	4	719	2.07	<5	1.2	2.7	193	<0.5	<0.5	<0.5	34	1.45

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Project: Big Bear
Report Date: December 08, 2016

QUALITY CONTROL REPORT VAN16002016.1

	Method	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
Reference Materials																					
STD GBM398-4-MA	Standard	0.05	3.5	1676	0.55	50	0.225	5.13	1.52	3.23	4.2	87.8	8	5.3	7.6	2.1	<0.5	<5	6	7.1	0.92
STD OREAS927-MA	Standard	0.05	39.0	64	2.00	317	0.303	6.39	0.18	1.82	8.9	93.0	72	21.8	17.7	10.4	0.9	<5	10	34.1	1.51
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXN117	Standard																				
STD OXN117 Expected																					
STD OXC145 Expected																					
STD OXH122 Expected																					
STD GBM398-4-MA Expected		0.047	4	1570	0.55	45	0.229	5.08	1.54	3.26	4	113	9	5.8	7.5	2	0.2		7.16	7	0.92
STD OREAS927-MA Expected		0.053	40.2	63	2.11	314	0.314	6.45	0.173	1.87	8.1	94	76	22.3	19.2	11	0.86	1.8	11	35.1	1.54
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.5	<1	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<5	<1	<0.5	<0.05
Prep Wash																					
ROCK-VAN	Prep Blank	0.04	12.0	4	0.45	891	0.196	6.72	3.40	1.88	<0.5	55.4	23	0.9	15.7	5.4	<0.5	<5	5	3.6	0.09
ROCK-VAN	Prep Blank	0.04	13.5	5	0.50	913	0.195	6.79	3.42	1.88	0.6	55.2	25	1.2	15.2	5.3	<0.5	<5	6	3.4	<0.05

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Little Bear Gold Corp.**
Suite 750 - 580 Hornby St
Vancouver British Columbia V6C 3B6 Canada

Project: Big Bear

Report Date: December 08, 2016

QUALITY CONTROL REPORT VAN16002016.1

		Method	MA270	MA270	MA270
		Analyte	Rb	Hf	Se
		Unit	ppm	ppm	ppm
		MDL	0.5	0.5	5
Reference Materials					
STD GBM398-4-MA	Standard		768.0	2.6	<5
STD OREAS927-MA	Standard		118.6	3.0	13
STD OXC145	Standard				
STD OXH122	Standard				
STD OXN117	Standard				
STD OXN117 Expected					
STD OXC145 Expected					
STD OXH122 Expected					
STD GBM398-4-MA Expected			731	2.8	
STD OREAS927-MA Expected			121	2.73	16
BLK	Blank				
BLK	Blank				
BLK	Blank		<0.5	<0.5	<5
Prep Wash					
ROCK-VAN	Prep Blank		40.2	1.9	<5
ROCK-VAN	Prep Blank		39.8	1.7	<5

19 Appendix 6: Sample map Liesegang occurrence

Parlane Resource Corp.
Big Bear Property
Soil Geochemistry
Liesegang Grid

356000 m

357000 m

5916000 m

5915000 m

N

Soil Anomalies >95th percentile

- Sb > 0.79
- As > 15.91 ppm
- Zn > 208.2 ppm
- Cu > 40.12 ppm
- Ag > 0.91 ppm
- Au >12.9 ppb
- claim boundary
- roads
- rivers
- contours - 20m
- wetlands
- cut block boundary

713662

Liesegang

Liesegang occurrence

Values shown are:
sample no./ppb Au/ppm Ag
ppm Zn/ppm As/ppm Sb

Scale: 1:2500
Datum: NAD83

0 500 m

20 Appendix 7: Sample map Sugar Bear occurrence

Parlane Resource Corp.
Big Bear Property
Soil Geochemistry
Sugar Bear Grid

365000 m | 366000 m | 367000 m

5920000 m

N

Soil Anomalies >95th percentile
- Sb > 0.79
- As > 15.91 ppm
- Zn > 208.2 ppm
- Cu > 40.12 ppm
- Ag > 0.91 ppm
- Au >12.9 ppb
- claim boundary
- roads
- rivers
- contours - 20m
- wetlands
- cut block boundary

Sugar Bear

Sugar Bear zone

2575011
2575010
2575007
2575006
2575008
2575009
2575005

area of mineralized float

float assay sample & #

Values shown are:
sample no./ppb Au/ppm Ag
ppm Zn/ppm As/ppm Sb

Scale: 1:2500
Datum: NAD83

0 — 500 m