ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 -510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578

ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING AND SOIL GEOCHEMISTRY

Work performed from August 6 to 13, 2018

at the

BATT PROPERTY

Batt 1-52 YF49611-YF49662

NTS 115G/08 and 115G/09
Latitude 60°08'N; Longitude 137°18'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

BLUEBIRD BATTERY METALS INC.
AND
STRATEGIC METALS LTD.

by

S. Israel, B.Sc., M.Sc., Ph.D.
October 2018

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INTRODUCTION

The Batt property covers volcanogenic massive sulphide and overprinting epigenetic vein style copper, cobalt, gold ± silver ± zinc mineralization. The property is located in the Alsek Ranges in southwestern Yukon. The property owned 100% by Strategic Metals Ltd., subject to an option agreement whereby Bluebird Battery Metals Inc. can acquire an 80% interest in the property.

This report describes an eight day program of geological mapping, prospecting, and soil geochemistry that was conducted on the Batt property between August 6 and 13, 2018. The work was performed by Archer, Cathro & Associates (1981) Limited on behalf of BlueBird Battery Metals. The author participated in the field program and interpreted the data from work. The author's Statement of Qualifications is in Appendix I and a Statement of Expenditures is located in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Batt property comprises 52 contiguous mineral claims located 68 km south of Haines Junction, southwestern Yukon, at latitude 60º08'N and longitude 137º18'Won NTS map sheet 115A/03 (Figure 1). The property covers an area of about 1094 ha (10.94 km^2). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim data are listed below, while the locations of individual claims are illustrated on Figure 2.

Claim Name	Grant Number	Expiry Date*
BATT 1-52	YF49611-YF49662	December 4, 2023

* Expiry dates include 2018 work which has been filed for assessment.

Access to the property in 2018 was provided by a Bell 206LR and a Bell 407 helicopter operated by Capital Helicopters (1995) Inc. of Whitehorse from their base at the Whitehorse Airport.

The closest road access to the Batt property is about 15.5 km to the east-southeast from the old town of Dalton Post, which is approximately 3.5 km west of the Haines Road (Figure 1).

The Batt property lies within the traditional territory of Champagne and Aishihik First Nations (CAFN). CAFN have concluded a land claim agreement with Canada and Yukon. Strategic Metals and CAFN signed an Exploration Benefits Agreement in November 2017.

HISTORY

The area immediately east of the Batt claims was initially staked in 1966 as the Mike claims by a partnership of companies that included Imperial Oil Ltd., Alcon Petroleum Ltd., and Canadian Industrial Oil and Gas Ltd. following copper showings identified during a regional reconnaissance program. Two grab samples from the reconnaissance program returned 5.9% copper, 0.40% antimony and 0.57 g/t gold and 1.72% copper, 0.65% cobalt and 2.27 g/t gold. Work on the claims was performed the following summer in 1967 and included geologic

BLUEBIRD BATTERY METALS INC.

FIGURE 1

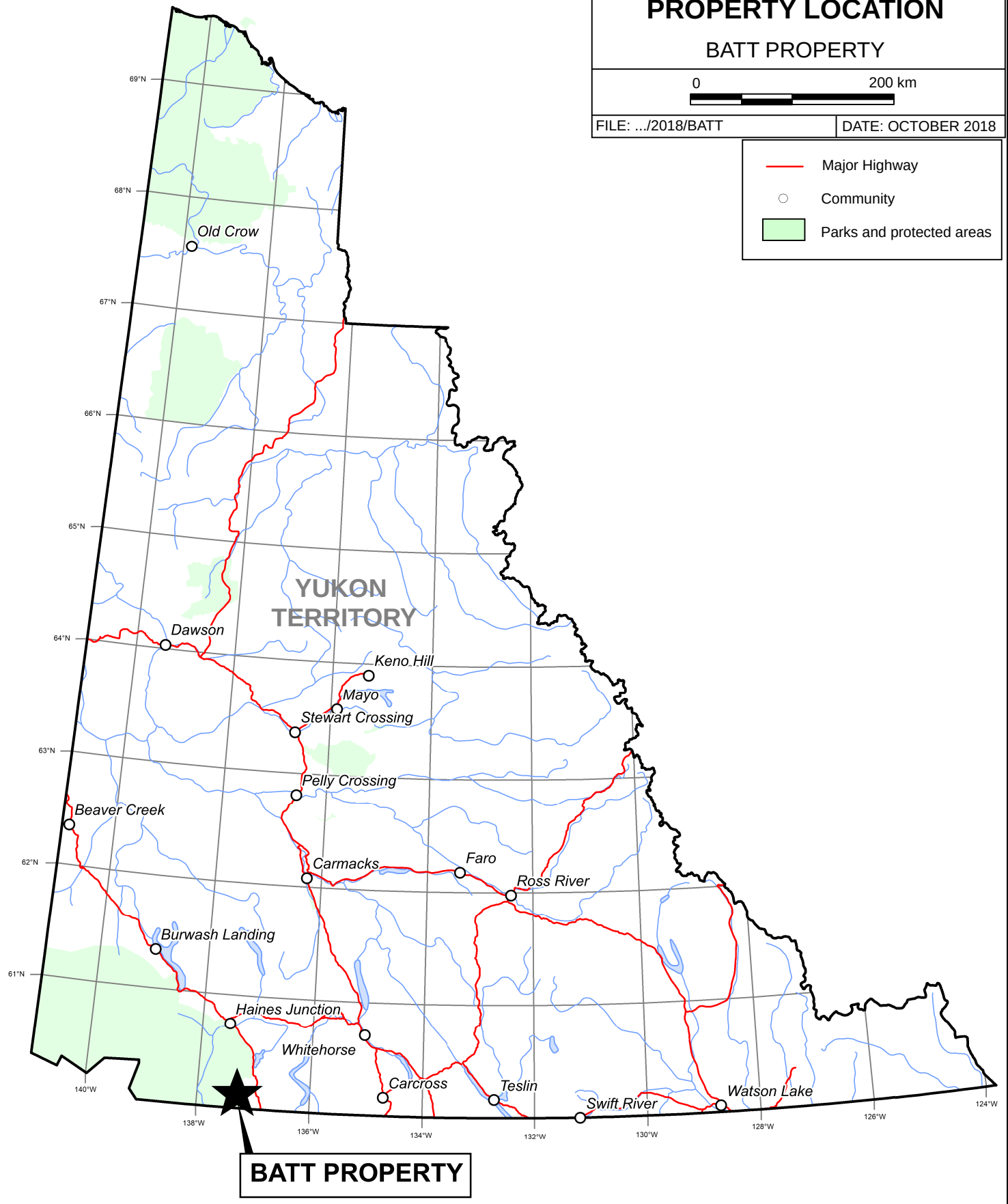
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

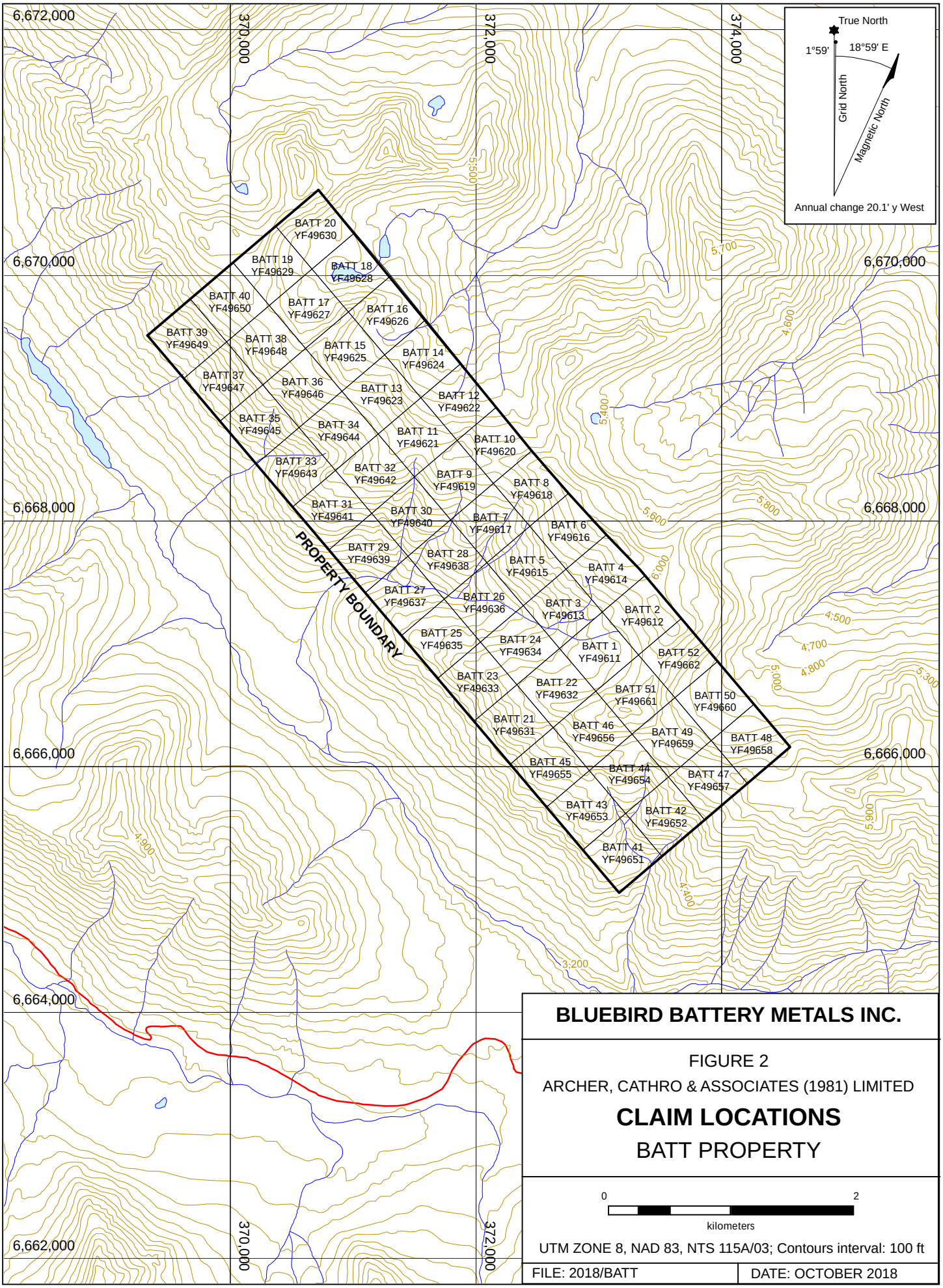
PROPERTY LOCATION

BATT PROPERTY

0 200 km

FILE: .../2018/BATT | DATE: OCTOBER 2018





BLUEBIRD BATTERY METALS INC.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

BATT PROPERTY

0 2

kilometers

UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft

FILE: 2018/BATT	DATE: OCTOBER 2018

mapping and geochemical, mag and IP surveys and the drilling of five packsack holes (totaling 128 feet, 39 m). The work identified several zones of quartz-carbonate veinlets and replacements with chalcopyrite, malachite, pyrite and minor pyrrhotite and erythrite mineralization. A higher-grade zone of massive chalcopyrite, 2 feet (0.6 m) thick, was also identified, hosted in an east-trending carbonate-quartz vein. The ground where this work was performed is now located within CAFN Category A Settlement Lands. Prospecting, to the west, outside of the main claim group resulted in the discovery of a copper-cobalt showing on top of a northeast-trending ridge. At this showing a 1.8m, true width, northwest striking, east dipping, quartz-carbonate vein hosts chalcopyrite, malachite, azurite, erythrite and pyrite was identified. This discovery led to the staking of an additional 16 claims (McGinn, 1967). No further work was performed by the consortium and no work on the newly staked claims was ever filed.

The property was re-staked in 1970 as the D claims by El Paso Mg and Mining CL; however, no recorded work was completed. It was again re-staked in 1974 by W. Kuhn as the Jet claims, and once again in 1984 by Archer Cathro, as the Cypriot claims (Dodds and Campbell, 1992). There is no work reported from any of these years.

In 2008, the Yukon Geological Survey (YGS) conducted a regional bedrock mapping program that included the area of the Batt claims. Samples collected by YGS geologists from the northeast-trending ridge identified by previous workers in 1967 returned >1% copper, 1067.3 ppm cobalt and 0.1 g/t gold (Israel and Cobbett, 2008). A duplicate sample also collected by the YGS from the same area was analyzed in April 2018 and returned values of 1.16% cobalt and 0.66 g/t gold.

In December 2017 Strategic Metals staked the Batt claims, which included the main northeast-trending ridge where strong copper, cobalt and gold mineralization was documented.

BlueBird Battery Minerals optioned the property from Strategic Metals in April 2018.

GEOMORPHOLOGY

The Batt property is entirely above tree line with exceptional outcrop exposure on ridges and spurs. The area was heavily glaciated during the last glaciation and small pocket glaciers still exist in north facing cirques. A main northwest-southeast trending ridge system separates steep, craggy and cliffy outcrops on the north-northeast side from gentler, but still steep, talus covered slopes on the west-southwest side. Several northeast to north-trending ridge spurs extend off the main ridge, that are quite steep with cliffy outcrops and talus covered slopes. Large cirque valleys separate the spurs and these are filled with glacially derived talus and rock glaciers. A few large all-season snow patches exist, mainly in north to northeast facing cirques and depressions.

In some parts of the property the glacial deposits appear extremely thick; however, outcrop can be found and either reflects bedrock highs, or a thinning of the glacial deposits. With minor exceptions, all rock types found within the glacial deposits appear to be locally derived.

The main northwest ridge system acts as a drainage divide with all creeks on the northeast side draining into Fraser Creek and the southwest side draining into Silver Creek.

Large colour anomalies that can be seen on air photos and Google Earth images are composed of orange weathered, altered bedrock (Photo 1). Locally the altered bedrock has been significantly disrupted by glacial erosion and now comprises large areas of orange weathered talus that constitute large proportions of glacial moraines and rock glaciers.

Elevations on the property range from 1675 m to 2245 m. Sparse vegetation consisting of moss and grass is found on valley floors, south-facing slopes and small upland plateaus.

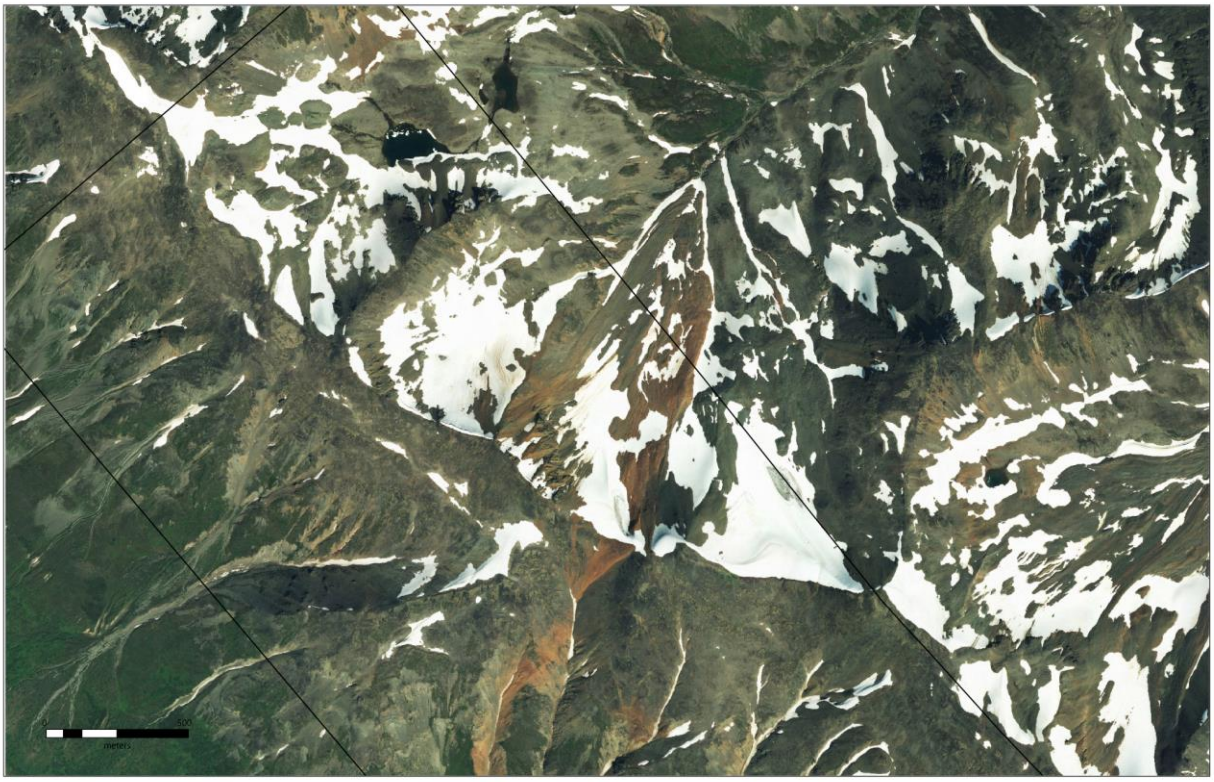


Photo 1. High resolution airphoto of the northern Batt property, showing large colour anomalies associated with alteration developed along structures.

REGIONAL GEOLOGY

The area surrounding and including the Batt property was first described during regional 1:250,000 scale bedrock mapping of NTS 115A by the Geological Survey of Canada (GSC) during 1946 and 1950 (Kindle, 1952). This was partially updated during the GSC's Operation St. Elias that saw more comprehensive mapping of NTS 115A, B, C and parts of G and F (Dodds and Campbell, 1992). In 2008, 115A/03 was mapped at 1:50,000 scale by the YGS (Israel and Cobbett, 2008).

The Batt property is underlain by a wedge of Paleozoic to Mesozoic rocks belonging to Wrangellia that is structurally bounded to the northeast by Jura-Cretaceous basinal overlap assemblages across the Denali fault and to the southwest by Paleozoic rocks of the Alexander terrane across the Duke River fault (Figure 3). Within the region surrounding the Batt property, Wrangellia is characterized by the Mississippian to Permian Skolai Group, unconformably overlain by Upper Triassic rocks of the Nikolai formation. These rocks are intruded by large Late Triassic plutons of the Mount Beaton suite (Figure 4).

The Skolai Group is divided into the Mississippian to Pennsylvanian Station Creek Formation and the mainly Permian Hasen Creek Formation. The Station Creek Formation is dominated by volcanic flows, tuffs and volcaniclastic rocks that show a transition from a non-arc to arc setting. The lowest and oldest rocks in the Station Creek Formation are characterized by thick accumulations of basalt flows, pillows, pillow breccia and hyaloclastite. Locally red jasper/magnetite horizons ranging from one to tens of metres thick are found intercalated with the basalt. The overall thickness of the basalt package is not known; however, it appears to be at least several hundreds of metres. The basalt passes upwards into fine-grained crystal tuffs, ash tuffs and chert. Chert is laminated to massive, generally light to dark grey-banded with local black to dark brown massive beds. Crystal tuff is very fine-grained and laminated, commonly having phenocrysts of grey quartz or feldspar. Locally the tuffs show minor cross-bedding, indicating a re-working. In places, a thick (10's of metres) succession of more felsic volcanic rocks are observed. These are dacitic to rhyodacitic in composition, often flow banded and occur near jasper horizons intercalated with the basalt. The tuff and chert package is variable in thickness, ranging from tens of metres up to 100 m. Overlying these rocks is a very thick package of volcaniclastic and pyroclastic rocks. These rocks are characterized by re-worked fine to medium-grained crystal tuff, volcanic breccia and volcaniclastic sandstone. The breccia is dominated by pyroxene porphyritic volcanic clasts within a matrix of the same composition. Clast sizes range from < 1 cm up to 10 cm and are subangular to subrounded. Locally, basalt and basaltic-andesite flows are intercalated with the volcaniclastic rocks. Overall thickness of this unit is not known, but is at least several hundreds of metres.

Chemically, the older basalt package reflects back-arc basin to normal mid-ocean ridge settings while the overlying pyroclastic and volcaniclastic rocks represent a transition to a calc-alkaline volcanic arc.

North and east of the Batt claims, the volcanic rocks are gradationally overlain by sedimentary rocks of the Hasen Creek Formation. The Hasen Creek Formation is dominated by light to dark grey and brown siltstone and mudstone with lesser amounts of fine to medium-grained sandstone. These form incomplete Bouma sequences and likely represent turbidites formed in a sub-marine fan. Near the top of the formation, thick (up to 50 m) beige to cream coloured limestone are found interbedded with calcareous siltstone and locally pebble to cobble conglomerate.

Unconformably overlying the Skolai Group is the Nikolai formation, consisting of a thick package of basalt. These basalts are dominantly subaerial, with only local subaqueous pillows found near the bottom of the succession. The basalts are considered the eruptive equivalents of the Kluane mafic-ultramafic suite that hosts numerous magmatic Ni-Cu-PGE deposits and

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

BATT PROPERTY

FILE: P:/2017.cdr | DATE: OCTOBER 2018

After Colpron, M. and Nelson, J.L., 2011

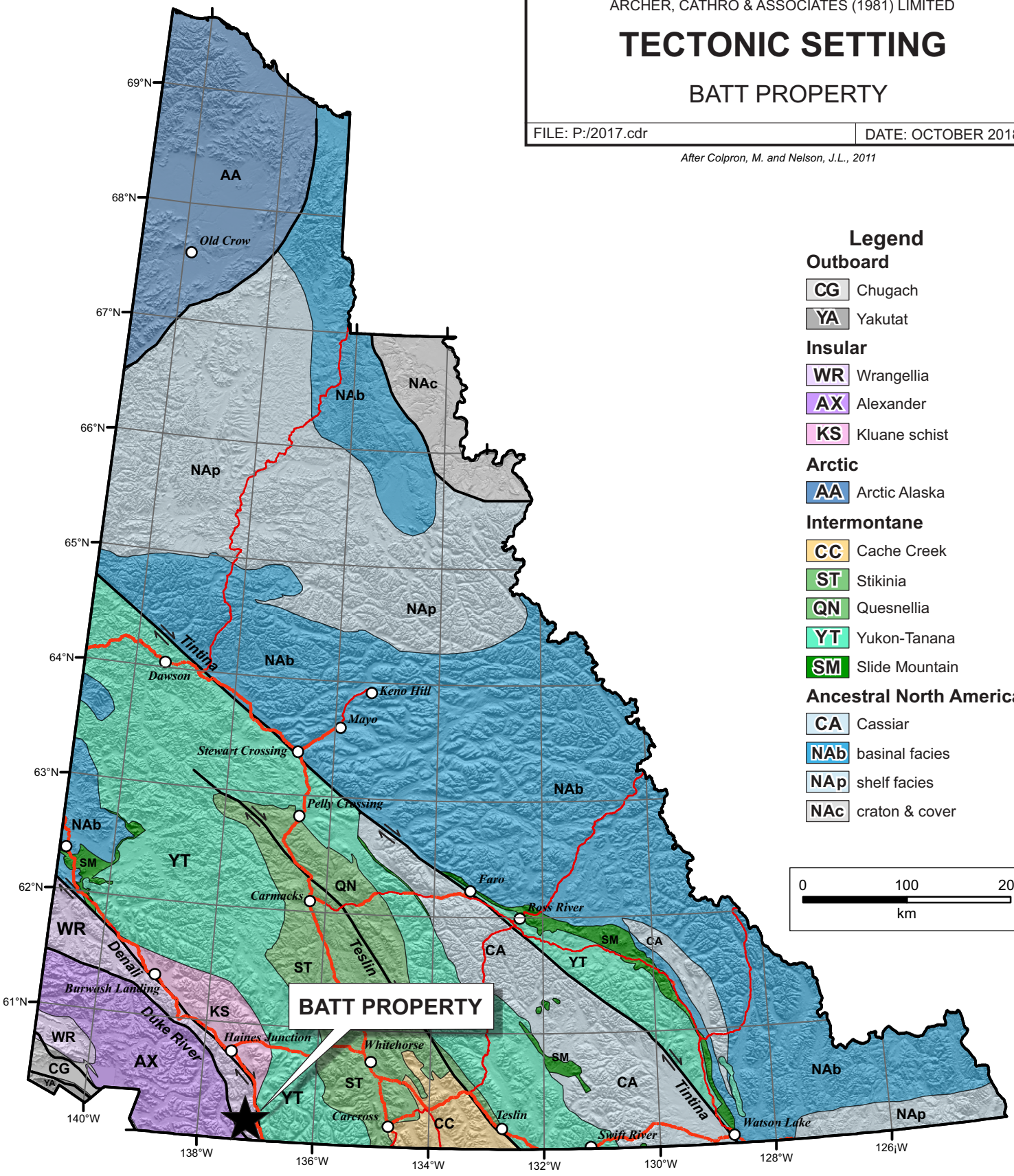

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FIGURE 4

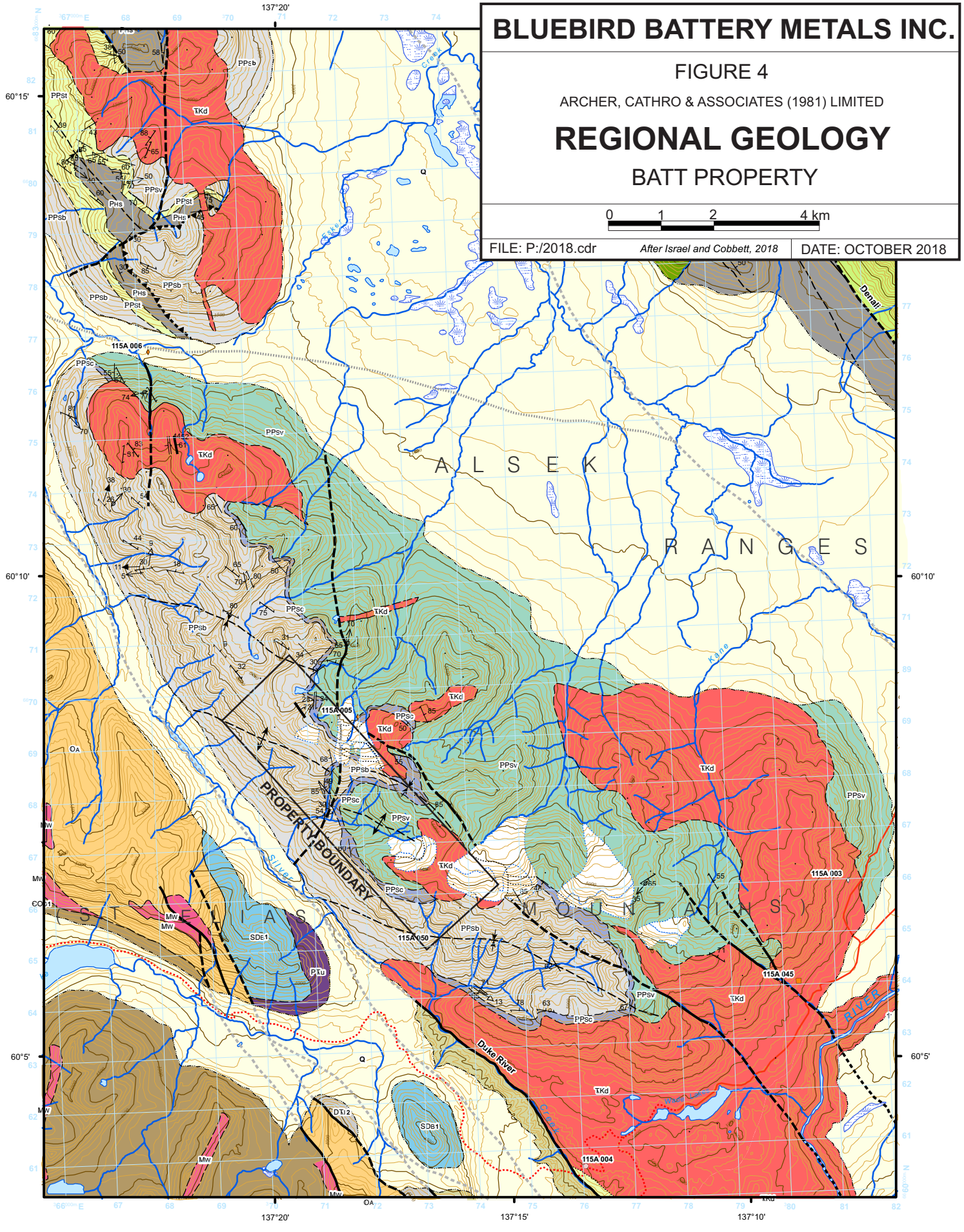
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

BATT PROPERTY

0 1 2 4 km

FILE: P:/2018.cdr | *After Israel and Cobbett, 2018* | DATE: OCTOBER 2018



LEGEND FOR FIGURE 4

QUATERNARY

Q — unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

INTRUSIVE ROCKS

MIOCENE

Wrangell Suite

MW — fine to medium-grained, hornblende +/- biotite granodiorite and porphyritic (K-feldspar) hornblende granodiorite; medium-grained, uniform biotite diorite and pyroxene gabbro; subvolcanic hornblende +/- biotite rhyolite, rhyodacite, dacite

TRIASSIC

Td — medium to coarse-grained, unfoliated, hornblende diorite to hornblende-biotite, quartz diorite; salt and pepper appearance; locally abundant dark grey fine-grained gabbro; may in part be equivalent to Early Cretaceous Kluane Ranges Suite

PERMIAN TO TRIASSIC

PTu — medium to grey-green, massive, medium grained, pyroxene gabbro and greenstone sills; black peridotite, rare dunite; may in part be related to Upper Triassic Kluane mafic-ultramafic suite of the Kluane Ranges

LAYERED ROCKS

Amphitheatre Formation

OA — yellow-buff to grey-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone; minor brown-grey carbonaceous shale and thin lignitic coal; mostly fluvial and lacustrine deposits, local debris-flow deposits; some shallow marine deposits

Dezadeash Formation

JKD — interbedded light to dark buff-grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite and conglomerate; mass-flow conglomerate common in middle part; rare light grey tuff

WRANGELLIA

TRIASSIC

Nikolai formation

uTNv — dark green/maroon weathered and fresh, massive to locally foliated, amygdaloidal and vesicular basalt flows; rare pillows, volcanic breccia and conglomerate locally developed near base of unit; breccia and conglomerate contain clasts of sedimentary and volcanic rocks of underlying Hasen Creek and Station Creek formations, as well as rounded volcanic clasts typical of the Nikolai basalts

PENNSYLVANIAN - PERMIAN

Skolai Group

Hasen Creek Formation

PHs — interbedded dark grey and brown-weathered siltstone, mudstone and medium to coarse-grained sandstone; lower part contains volcaniclastic sandstones, tuffs and rare basaltic flows; rare dark grey to black chert beds and chert-pebble conglomerate

LEGEND FOR FIGURE 4 CONT'D

Station Creek Formation

PPSt	laminated to thinly bedded, light grey to light green volcanic tuff and volcaniclastic siltstone; local crystal rich tuffs interbedded with fine-grained volcanic ash
PPSb	interbedded volcanic breccia, agglomerate and volcaniclastic sandstone; dominated by pyroxene-phyric volcanic breccia; rare light grey-weathered, dark green to black, fresh, pyroxene-phyric basalt flows
PPSc	thinly bedded, laminated to massive chert interbedded with crystal tuff; chert is mainly light to dark grey-banded with local black and dark brown massive beds; tuff ranges from maroon to green, fine grained and laminated with phenocrysts of quartz +/- plagioclase
PPSv	dark green to black-weathered and fresh basalt flows, pillows, pillow breccia and hyaloclastics; red, magnetite-rich jasper found locally as interstitial material between pillows and within pillow breccia, thick accumulations of laminated jasper rarely occur

ALEXANDER TERRANE

DEVONIAN TO TRIASSIC

Icefield assemblage

DTrI1	thin to medium-bedded, fine to medium-grained, quartz-rich, micaceous, calcareous siltstone to sandstone, mica quartzite, or schist; minor interbedded phyllite, argillite and schist; rare limestone, marble, mafic volcanic rocks and gypsum-anhydrite
DTrI2	white to creamy-white gypsum and anhydrite; thin-bedded to massive, light grey to dark bluish-grey limestone or marble; minor dark grey calcareous argillite, calcareous siltstone-sandstone; local buff-grey crinoidal limestone

SILLURIAN TO DEVONIAN

Bullion Creek Limestone

SDB1	massive to well-bedded light grey limestone or marble, thin-bedded dark grey limestone or marble; minor dark blue-grey calcareous argillite or phyllite

CAMBRIAN TO ORDOVICIAN

Field Creek Volcanics (may include Northern Alsek Ranges assemblage and Donjek Range assemblage)

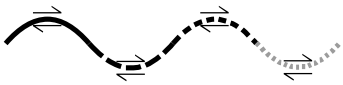
COD1	massive to well-bedded, coarse to medium-grained greywacke; minor siltsone-sandstone, argillite, phyllite or schist, and mafic intrusions; conglomerate, mafic flows (some pillowed), pyroclastic (?), and volcanic breccia; greenstone

SYMBOLS FOR FIGURE 4

geologic contacts
(defined, approximate, inferred, covered).....

fault; movement not known
(defined, approximate, inferred, covered).....

fault; dextral
(defined, approximate, inferred, covered).....



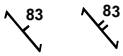
mapping limit.....

thrust fault
(known, approximate, inferred, covered).....

fold axial trace
(upright - anticline, syncline; overturned - anticline, syncline)

bedding (tops known, inclined, vertical).....

foliation (dominant, late).....



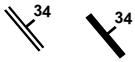
stretching lineation,.....

intersection lineation.....

fold axis (dominant phase).....

crenulation lineation.....

dyke, vein.....



field station.....

limited use road, trail.....

ice.....

showings. The Nikolai basalts can reportedly reach thickness of up to three kilometres in parts of Yukon and Alaska.

Late Triassic hornblende +/- biotite, quartz-diorite to diorite of the Mount Beaton suite intrude most of the rocks mentioned above. These rocks are generally massive and have a salt and pepper appearance. Locally the intrusive rocks are finer-grained with slight feldspar porphyritic textures. Dark grey, fine-grained gabbro is observed locally. The Mount Beaton suite was originally correlated with the similar appearing Early Cretaceous Kluane Ranges suite found elsewhere in Yukon; however, new U-Pb zircon ages indicate a 220 to 216 Ma age for the suite (Colpron et al., 2016).

Rocks in the region surrounding the Batt claims have been deformed by multiple structural events of varying ages. Folding of the Paleozoic strata is observed elsewhere in Yukon, where flat lying Triassic basalt overlies deformed Permian sedimentary rocks. This episode of deformation is poorly characterized, but may be related to Late Paleozoic interaction between the Alexander terrane and Wrangellia. Several thrust faults and regional folds in the area may be related to this event, or could be related to Early Cretaceous folding and faulting defined in other parts of Wrangellia. The largest fault in the area, closest to the Batt claims, is the Duke River fault. This is a large fault that has a strike-length of at least 300 km and along most of it, separates rocks of the Alexander terrane from those of Wrangellia. This fault has a protracted history that includes mid-Cretaceous oblique dextral thrust faulting, Miocene shortening and recent seismic activity (Cobbett et al., 2017). The Denali fault, approximately 12 km to the northeast of the Batt claims, is another large-scale structure that has an estimated 400 km of dextral offset associated with it, the majority of which occurred during the Tertiary. These two large-scale structural features likely had significant effect on the metallogenic history of the Batt property. Several northwest and north-striking faults may be associated with one or both of these structures. These faults show both strike-slip and apparent normal displacement. The large gossanous zones found within and around the Batt property are associated with the north-striking structures. These zones are characterized by highly brecciated, silica and carbonate altered bedrock and were conduits for significant fluid flow.

PROPERTY GEOLOGY

In 2018, eight days were spent mapping and prospecting the Main Ridge and surrounding area at 1:5,000-scale (Figure 5A and B). Because of time constraints and weather, only the northwestern half of the property was examined.

The Batt property is underlain by Mississippian to Pennsylvanian Station Creek Formation and large intrusions of the Triassic Mount Beaton suite. The east side of the property is dominated by basalt and crystal tuffs and chert of the lower member of the formation, while the western portion is characterized by volcanic breccia and pyroclastic rocks of the upper Station Creek. Minor amounts of the Mount Beaton suite intrusive rocks were observed during the 2018 program; however, a large body of quartz-diorite has been mapped in the southeastern part of the property.

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BATT PROPERTY - NORTH
BEDROCK GEOLOGY

0 — 500
meters
Scale 1:5,000

FIGURE 5A

UTM ZONE 8, NAD 83,

370,000 mE

371,000 mE

6,670,000 mN

LEGEND

QUATERNARY

unconsolidated glacial, glaciofluvial and laciolacustine deposits; fluvial silt, sand and gravel, and local volcanic ash, in part cover and organic deposits

TRIASSIC

Maple Creek suite

light to dark grey, medium to fine-grained, hornblende, pyroxene gabbro; locally strongly foliated and altered

PENNSYLVANIAN to MISSISSPIAN

Station Creek Formation

interbedded volcanic breccia, agglomerate and volcaniclastic sandstone; dominaeted by pyroxene-phyric volcanic breccia; rare basalt flows

thinly bedded, laminated to massive, light grey to black, chert interbedded with maroon to light grey, crystal tuff

dark green to black weathered and fresh basalt flows pillows, pillow breccia and hyaloclstics; red jasper/ magnetite horizons occur between pillows and as thick beds in basalt

SYMBOLS

- Vein
- Bedding
- Joint
- Fracture
- Point
- Point
- Lineation

4 St

Q

@Svb

4 Sv

=Mg

PROPETY BOUNDARY

Limit of mapping

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ARCHER, CATHRO & ASSOCIATES (1981) LTD.

BATT PROPERTY - SOUTH
BEDROCK GEOLOGY

0 — 500
meters
Scale 1:5,000

FIGURE 5B

UTM ZONE 8, NAD 83,

6,669,000 mN
6,668,500 mN
6,668,000 mN
371,000 mE
371,500 mE
372,000 mE
372,500 mE

@Svb
4 St
4 Sv
PROPETY BOUNDARY
Limit of mapping

70
80
80
40
37
20
50
30
70
43
85

LEGEND

TRIASSIC

Maple Creek suite

light to dark grey, medium to fine-grained, hornblende, pyroxene gabbro; locally strongly foliated and altered

PENNSYLVANIAN to MISSISSPIAN

Station Creek Formation

interbedded volcanic breccia, agglomerate and volcaniclastic sandstone; dominaeted by pyroxene-phyric volcanic breccia; rare basalt flows

thinly bedded, laminated to massive, light grey to black, chert interbedded with maroon to light grey, crystal tuff

dark green to black weathered and fresh basalt flows pillows, pillow breccia and hyaloclstics; red jasper/ magnetite horizons occur between pillows and as thick beds in basalt

The lower member basalts occur in sporadic outcrops near the main ridge, and as larger, much more extensive exposures in the southeast. The basalt is characterized by thick accumulations of pillow, massive flows, pillow breccia and hyaloclastite. The pillows and massive flows are often found together, weather a dark green/grey and commonly show some amount of chlorite, epidote and locally hematite alteration along fractures or interstitial between pillows and individual flows. Pillow breccia and hyaloclastite occur near the tops of flows, especially in the vicinity of red magnetite-rich jasper horizons. Clasts within the breccia and hyaloclastite are angular to sub-angular fragments of basalt and basaltic glass, often with highly altered rims. Locally, these rocks are so strongly altered that it is difficult to make out the clasts and they appear more felsic in composition. In rare cases, sulphide (pyrite) clasts are found within the breccias.

The upper and lower volcanic members are separated by chert, crystal tuff and laminated ash tuffs. These rocks are mainly found within the east-central portion of the Batt claims and extending to the northeast along the claim boundary. Thickness of this unit is variable; however, it makes an excellent marker horizon and shows the regional folding.

All units are deformed by northwest-trending, upright, open folds, with shallow to moderate plunges. The folds are large-scale features with little evidence for them at the outcrop scale, and they are defined mainly on the changes in bedding observed in the laminated tuffs and chert.

Several faults of varying size and orientation are found within the Batt property. The most common are northwest striking, northeast dipping and north to northeast striking with variable dips. Two main northwest striking faults are found along the Main Ridge and dip northeast between 80 and 50 degrees. Shear fabrics are developed in the hangingwall of these structures and locally show apparent thrust sense of movement. The zones range in thickness from one to several metres. In both cases, quartz-carbonate veins are developed within the fault zones. North to northeast striking faults are more common and are found throughout the property. They are characterized by highly brittle features such as brecciated wall-rock with quartz infilling and tightly spaced fracture cleavage. These faults range in thickness from less than one metre up to several metres across and have a range of dips between 40 and 90 degrees. In only one instance were any kinematics observed associated with these structures, where oblique, dextral indicators were noted. It is not known how much motion occurred across any of these faults. Quartz and quartz-carbonate veins were found within or near almost all north to northeast striking structures.

Several orange to red coloured, highly oxidized and brecciated zones are found throughout the property and are responsible for large colour anomalies that can be easily seen on airphotos and satellite images. The largest of these runs north-south and nearly bisects the property. These features are faults; however, their significance is not yet understood. They are characterized by intensely silica, carbonate and hematite altered and oxidized wallrock up to a hundred metres thick, that has been variably brecciated and fractured. The zones have limited along-strike continuity, and appear to pinch-out or step over to other zones. They occurred late in the structural history of the area, cross-cutting all other features.

MINERALIZATION

The Batt property hosts two main styles of mineralization, vein-hosted and VMS. A variety of sulphide minerals have been identified to date on the property. Chalcopyrite, pyrite, pyrrhotite, cobaltite and minor bornite are found in quartz and quartz-carbonate veins that range in width from 5 cm up to 5 m. Chalcopyrite is found in almost every vein observed on the property, as fine-grained crystals disseminated throughout or as blebs and stringers up to several cm in length. Locally massive chalcopyrite is found in quartz-sulphide boulders that also contain pyrite and pyrrhotite with minor bornite. Cobaltite is most often associated with quartz-carbonate veins and occurs as black to dark grey masses on vein surfaces.

Secondary mineralization occurs within and adjacent to weathered veins and sulphide outcrops. Malachite and azurite coat vein talus surfaces and fracture planes adjacent to and within veins. Malachite and azurite are also commonly found rimming chalcopyrite blebs within quartz veins. Erythrite is observed within and on fracture surfaces of quartz-carbonate veins.

In 2018 prospecting primarily focused on the Main Ridge and areas close by. A total of 62 rock samples were collected for analysis. Twenty-four chip samples were collected from outcrops and 38 rock samples were collected from outcrops, sub-crops or talus (Figure 6). Thematic results for copper, gold and cobalt in rocks are illustrated on Figures 7, 8 and 9. Anomalous rock thresholds used are presented in Table I.

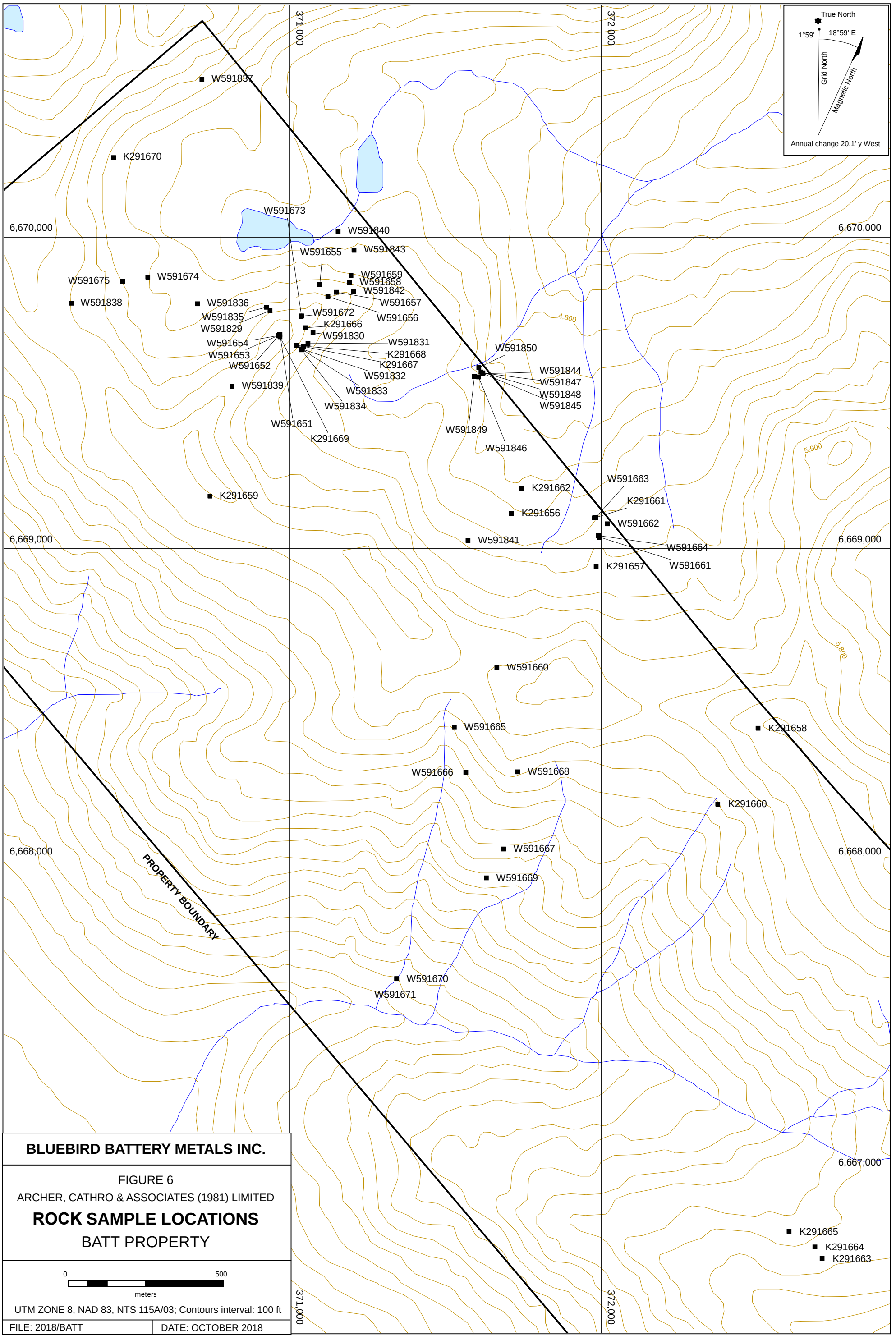
All rock sample sites in 2018 were marked with orange flagging tape labeled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for shipment were double bagged with an individually pre-numbered sample tag placed in each bag. Analytical work was done by ALS Minerals, with sample preparation in Whitehorse and assays and geochemical analyses in North Vancouver. All rock samples were analyzed for gold by fire assay followed by inductively coupled plasma-atomic emission spectroscopy (Au-ICP21) and 48 other elements by four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (ME-MS61). Overlimit values were determined for copper, cobalt and zinc using a four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (Cu/Mo/Zn-OG62). Rock sample descriptions are located in Appendix III, while Certificates of Analysis are copied in Appendix IV.

Table I – Anomalous Rock Thresholds

Element	Low (ppm)	Moderate (ppm)	Strong (ppm)	Very Strong (ppm)	2018 Peak (ppm)
Copper	5,000 ≤ 10,000	>10,000 ≤ 20,000	>20,000 ≤50,000	>50,000	196,500
Gold	0.2 ≤ 0.5	> 0.5 ≤1	>1 ≤ 2	>2	4.45
Cobalt	100 ≤ 200	>200 ≤500	>500 ≤1000	>1000	14,600

Main Ridge

The Main Ridge area is underlain by fine-grained, laminated tuffs and chert of the lower Station Creek Formation and the overlying volcaniclastic and pyroclastic rocks of the upper Station



BLUEBIRD BATTERY METALS INC.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ROCK SAMPLE LOCATIONS

BATT PROPERTY

UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft

FILE: 2018/BATT	DATE: OCTOBER 2018

True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West

370,000
372,000
6,668,000
6,666,000
6,664,000

INSET A
INSET B

PROPERTY BOUNDARY

6,669,800
371,000
371,200
1.14% over 0.25 m
5.72%
2% over 1.65 m
1.31% over 0.08 m
1.84% over 0.8 m
1.33% over 5 m
3.2% over 2.3 m
INSET A

6,669,500
371,500
372,000
1.27% over 2 m
3.36%
3.4% over 0.1 m
6,669,000
18.15%
19.65%
INSET B

Copper-in-rock (ppm)

50,000	to	196,500
20,000	to	50,000
10,000	to	20,000
5,000	to	10,000
2,000	to	5,000
0	to	2,000

BLUEBIRD BATTERY METALS INC.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER ROCK GEOCHEMISTRY

BATT PROPERTY

0 400
meters

UTM ZONE 8, NAD 83, 115A/03, Contour Interval: 100 ft.

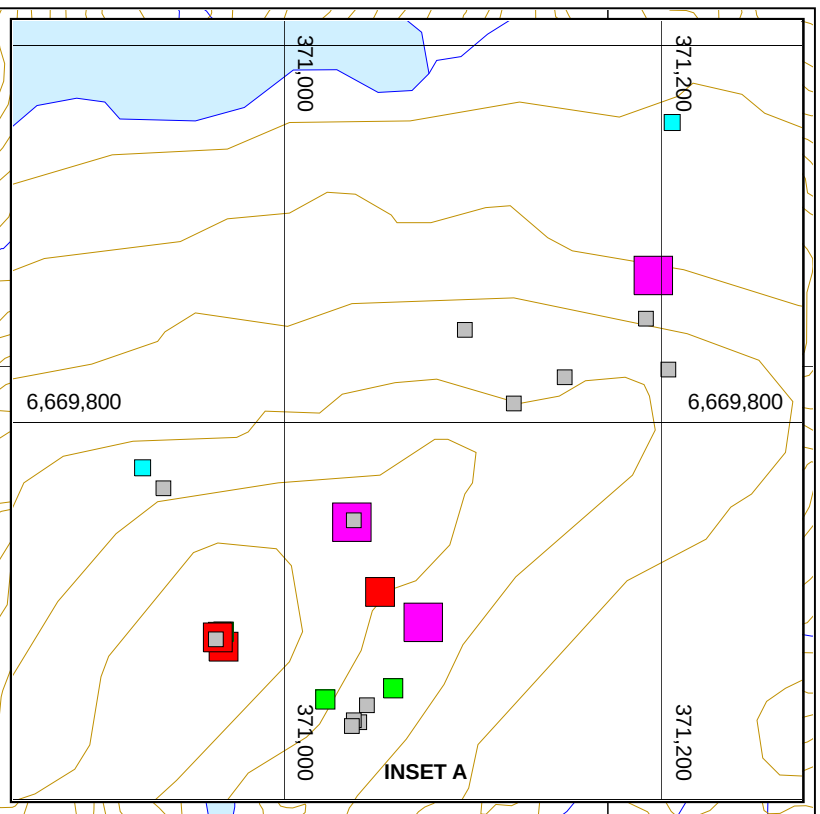
FILE: ..2018/BATT | DATE: OCTOBER 2018

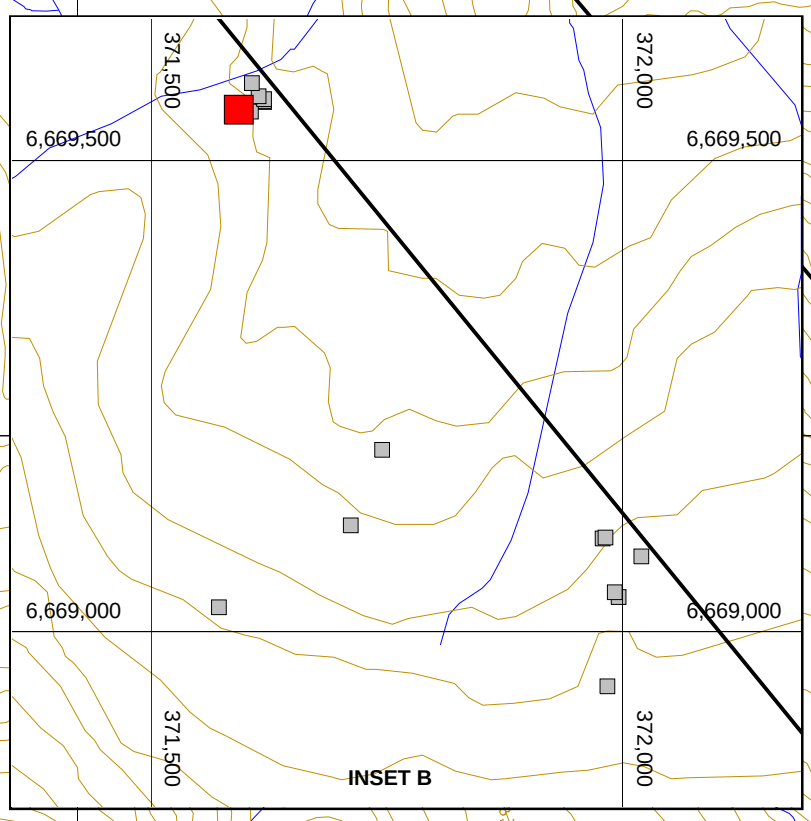
True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West

370,000
372,000
6,668,000
6,666,000
6,664,000

INSET A
INSET B

PROPERTY BOUNDARY





Gold-in-rock (ppm)

2	to	4.54
1	to	2
0.5	to	1
0.2	to	0.5
0.1	to	0.2
0	to	0.1

BLUEBIRD BATTERY METALS INC.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD ROCK GEOCHEMISTRY

BATT PROPERTY

0 400
meters

UTM ZONE 8, NAD 83, 115A/03, Contour Interval: 100 ft.

FILE: ..2018/BATT | DATE: OCTOBER 2018

True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West

370,000
372,000
6,668,000
6,666,000
6,664,000

INSET A
INSET B
PROPERTY BOUNDARY

371,000
371,200
6,669,800
0.14%
0.62%
0.18%
0.54%
0.13%
1.46%
INSET A

371,500
372,000
6,669,500
6,669,000
0.11%
INSET B

Cobalt-in-rock (ppm)

1,000	to	14,600
500	to	1,000
200	to	500
100	to	200
50	to	100
0	to	50

BLUEBIRD BATTERY METALS INC.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COBALT ROCK GEOCHEMISTRY

BATT PROPERTY

0 400
meters

UTM ZONE 8, NAD 83, 115A/03, Contour Interval: 100 ft.

FILE: ..2018/BATT | DATE: OCTOBER 2018

Creek Formation. Several quartz and quartz-carbonate veins outcrop within the Main Ridge area, most of which are associated with various structures.

The geochemical signature of samples taken along the Main Ridge is notably enriched in copper, gold and cobalt. Individual rock samples returned background to strongly anomalous results, with all strongly anomalous values for elements of interest coming from quartz veins and quartz-carbonate veins. The highest copper (5.72 %), and cobalt (1.46 %) values occur within quartz-carbonate veins associated with northwest striking, northeast dipping thrust faults, while the highest gold (4.54 g/t) value is associated with a highly oxidized and limonite altered quartz vein located within a similarly orientated fault. Both vein sets are at least one metre wide and up to several metres wide locally. Several other quartz +/- carbonate vein sets are located along the Main Ridge and include northeast, northwest and north striking orientations. Dips are variable, generally being between 40 and 80 degrees. All of these veins have some degree of associated mineralization.

Silver mineralization in the Main Ridge area is minor but worth noting. Several vein samples returned elevated values with highest silver (21.2 g/t) and (12.85 g/t) coming from the same samples that recorded peak copper and gold, respectively.

Other Areas

Two other areas on the Batt property were prospected in 2018. The MS showing is roughly 500 m to the southeast of the Main Ridge area and the Boulder showing is approximately one kilometre southeast (Figure 5A).

The MS showing is characterized by variably altered basalt and jasper/magnetite horizons of the lower Station Creek Formation. Mineralization includes a two metre wide massive chalcopyrite, pyrite and minor pyrrhotite lens and disseminated and blebby chalcopyrite and pyrite in quartz and quartz-carbonate veins that cut the basalt. Eight rock samples were collected from the MS showing with highest copper (3.7%), cobalt (466 ppm) and silver (9.7g/t) values taken from the massive sulphide lens. Highest gold (1.28 g/t) value was returned from and altered volcanic with disseminated and stringers of pyrite and chalcopyrite. A two metre wide chip sample across the massive sulphide lens returned 1.27 % copper, 175 ppm Co, 4.54 g/t silver and 0.02 g/t gold.

The Boulder showing is characterized by large quartz-massive sulphide boulders found in talus. Many of these form boulder trains with a consistent southwest strike. Boulders range in size from 30 cm to 1 m and are blocky and angular. Sulphides include chalcopyrite, pyrite, pyrrhotite and minor bornite. Highest copper (19.7 % and 18.2 %) values are associated with massive chalcopyrite +/- bornite boulders and highest cobalt (0.12 %) value is associated with massive pyrrhotite in a quartz-carbonate boulder. This sample also included a nickel value of 0.14 %.

SOIL GEOCHEMISTRY

The Batt property is located within an area where no reconnaissance-scale geochemical surveys exist. Available government surveys stop east of the Haines Road and no regional-scale programs have filled this gap and thus it is difficult to gauge what are the background levels of

interested elements. Table II shows the anomalous soil thresholds that are used to describe soil geochemical results.

Table II – Anomalous Soil Thresholds

Elements	Low	Moderate	Strong	Very Strong	Peak
Copper (ppm)	100 ≤ 200	>200 ≤ 500	> 500 ≤ 1000	>1000	5160
Gold (ppb)	20 ≤ 50	>50 ≤ 100	> 100 ≤200	>200	2910
Cobalt (ppm)	50 ≤ 100	>100 ≤ 200	> 200 ≤ 500	>500	2230
Arsenic (ppm)	50 ≤ 100	>100 ≤ 200	> 200 ≤500	>500	643

In 2018, soil sampling mainly focussed upon the northwestern half of the property, with an emphasis on the Main Ridge and the large gossanous area to the southeast (Figure 10). A total of 224 soil samples were taken from two separate grids and two separate contour lines. Soil sampling was hampered by large talus slopes, snow patches, steep terrain and glaciers. Soil sample locations were recorded using hand-held GPS units. Sample sites were marked with orange flagging with inscribed with sample numbers. The samples were sent to ALS Mineral in Whitehorse, where they were dried and screened to ~180 microns. The fine fractions were then shipped to ALS Minerals in North Vancouver where they were analyzed for 48 elements using a four acid digestion (ME-MS61) with gold by fire assay followed by inductively coupled plasma-atomic emission spectroscopy (Au-ICP21). Figures 11 to 14 show thematic results for copper, gold, cobalt and arsenic from all geochemical surveys.

A 50 m x 50 m grid was setup over the Main Ridge area and returned significantly elevated soil values for each of the elements of interest over an area of approximately 450 m x 450 m. Peak values from this sampling include: 5160 ppm copper, 2910 ppb gold, 2230 ppm cobalt, 643 ppm arsenic.

A second grid was setup to test the large gossanous debris field that covers the MS and Boulder showings. Geochemical response from this grid was lower than the Main Ridge grid, likely due to the thick layers of glacially transported material. Copper values from this area showed mostly moderate to low geochemical values with a peak of 1875 ppm. Other elements showed weak to moderate responses with peak values of 115 ppm cobalt, 143 ppm arsenic and 53 ppb gold.

Two contour lines were completed during the 2018 program. One was located in the western portion of the property, the other covered a cirque slope west and northwest of the Main Ridge area. Copper values ranged from low to moderate along both lines with a peak value of 664 ppm, while cobalt values were moderately anomalous (116 ppm).

DISCUSSION AND CONCLUSIONS

The Batt property hosts significant copper, cobalt and gold mineralization associated with two different styles of mineralization; VMS and epigenetic hydrothermal veins. Very strongly anomalous values for copper, cobalt and gold are found in both rock and soil samples taken from

True North

1°59'

18°59' E

Grid North

Magnetic North

Annual change 20.1' y West

370,000

371,000

372,000

6,670,000

6,669,000

6,668,000

4,800

PROPERTY BOUNDARY

BLUEBIRD BATTERY METALS INC.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SOIL SAMPLE LOCATIONS

BATT PROPERTY

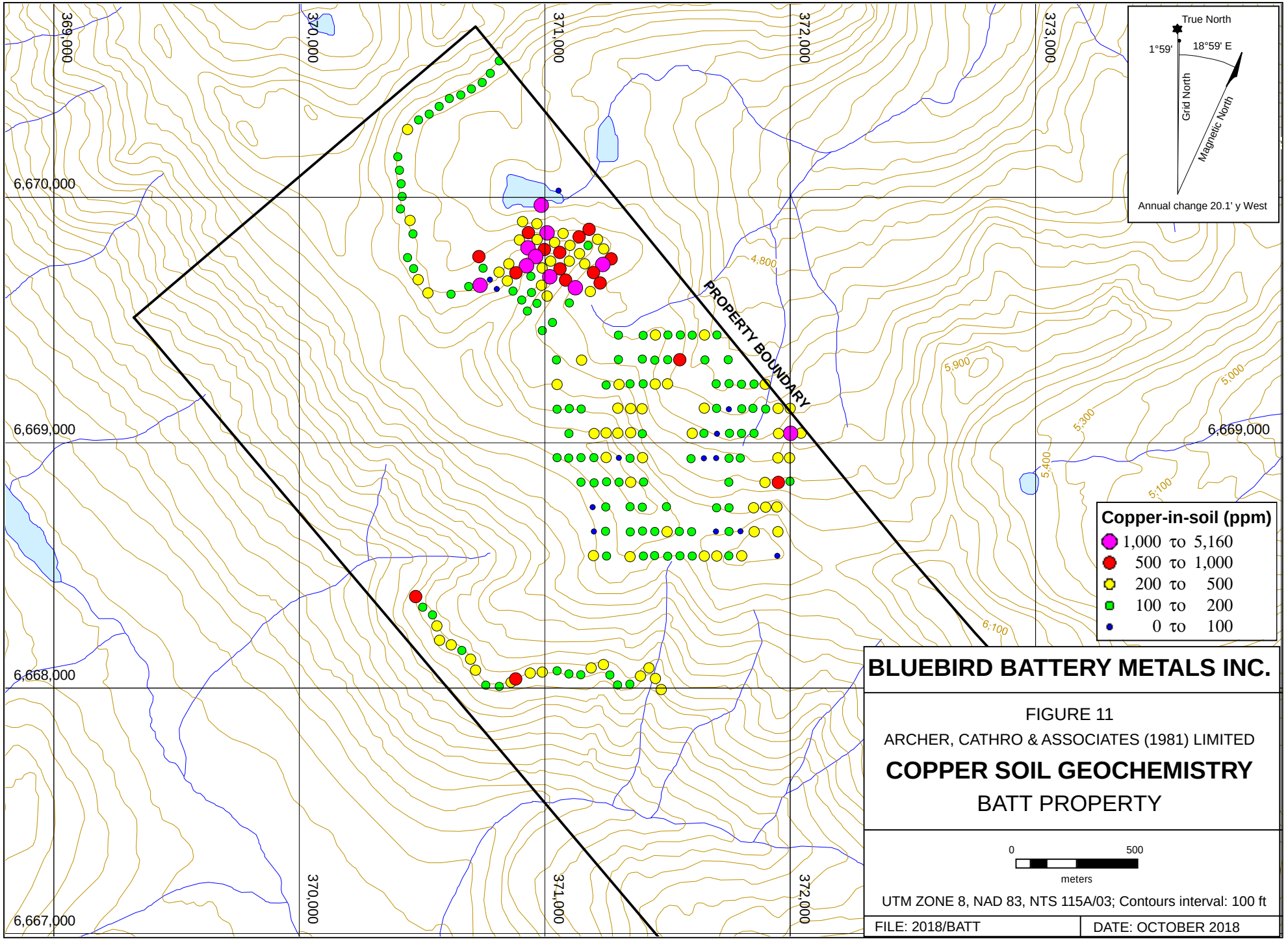
0 400

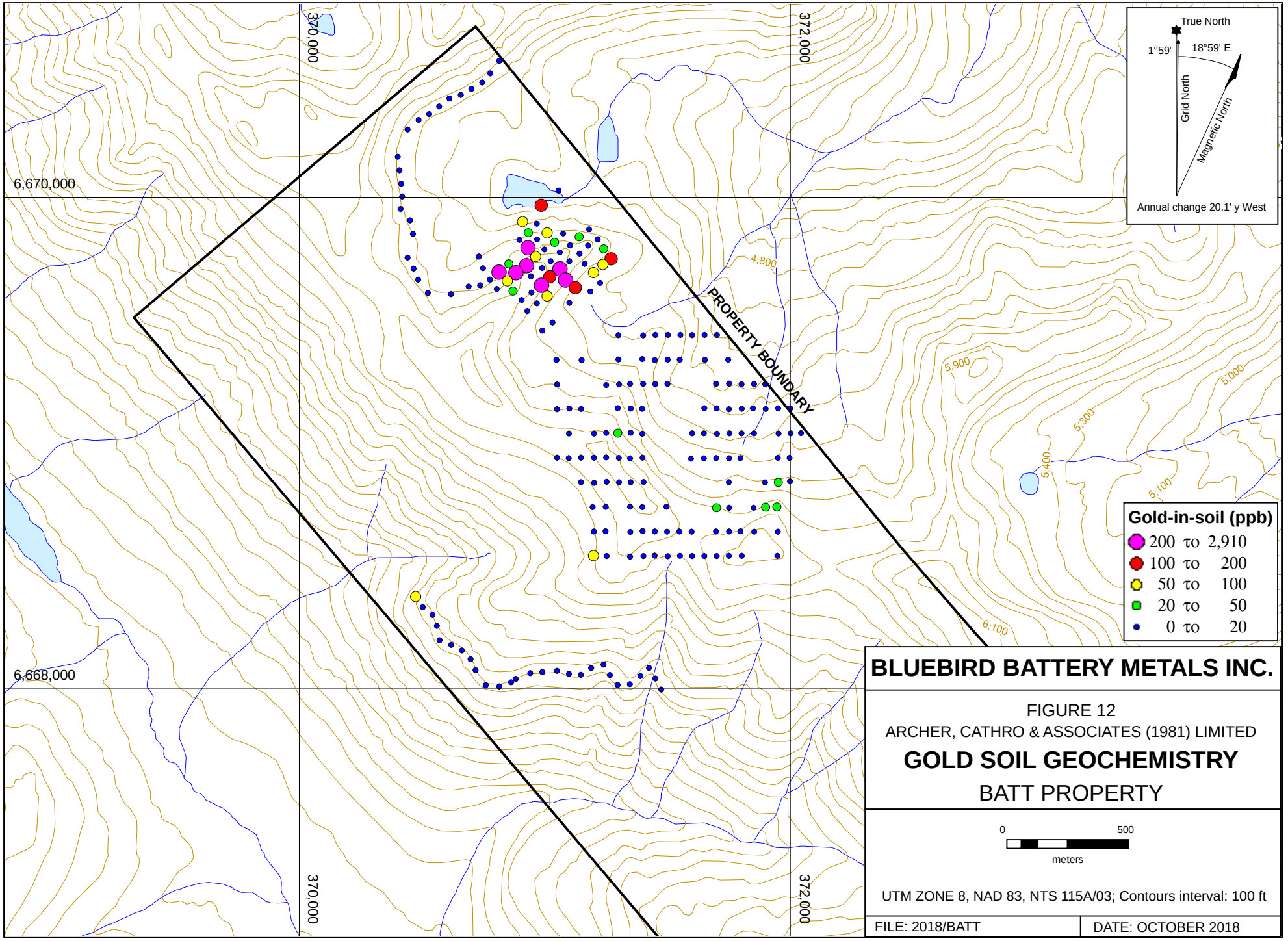
meters

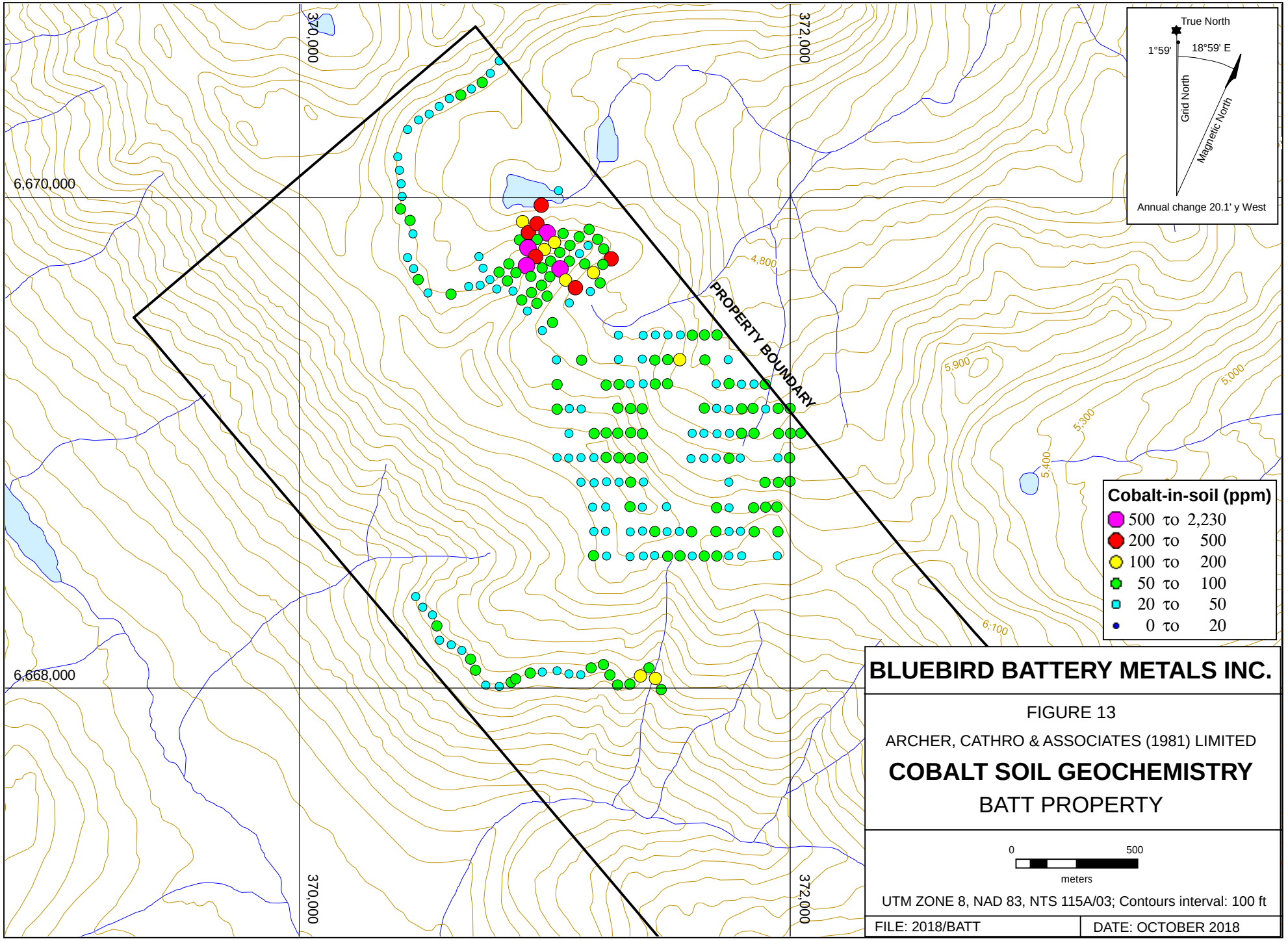
UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft

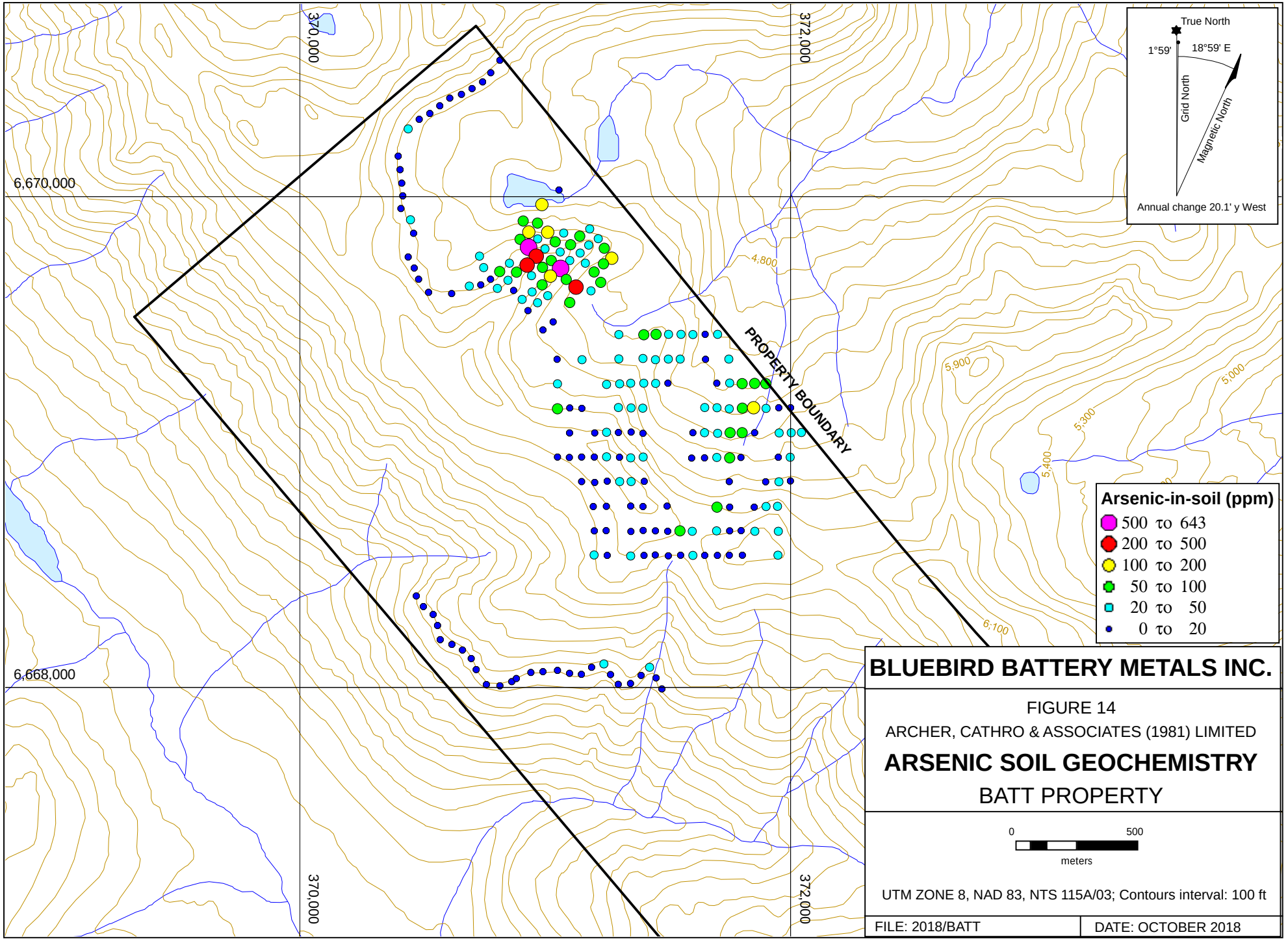
FILE: 2018/BATT

DATE: OCTOBER 2018


369,000
370,000
371,000
372,000
373,000
6,670,000
6,669,000
6,668,000
6,667,000
PROPERTY BOUNDARY
4,800
5,900
5,000
5,300
5,400
5,100
6,100
True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West
Copper-in-soil (ppm)
1,000 to 5,160
500 to 1,000
200 to 500
100 to 200
0 to 100
BLUEBIRD BATTERY METALS INC.
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
BATT PROPERTY
0
500
meters
UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft
FILE: 2018/BATT
DATE: OCTOBER 2018


True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West
PROPERTY BOUNDARY
372,000
370,000
6,670,000
6,668,000
4,800
5,000
5,100
5,300
5,400
5,900
6,100
Gold-in-soil (ppb)
200 to 2,910
100 to 200
50 to 100
20 to 50
0 to 20
BLUEBIRD BATTERY METALS INC.
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
BATT PROPERTY
0
500
meters
UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft
FILE: 2018/BATT
DATE: OCTOBER 2018


True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West
372,000
372,000
6,670,000
6,668,000
PROPERTY BOUNDARY
4,800
5,900
5,000
5,300
5,400
6,100
Cobalt-in-soil (ppm)
500 to 2,230
200 to 500
100 to 200
50 to 100
20 to 50
0 to 20
BLUEBIRD BATTERY METALS INC.
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COBALT SOIL GEOCHEMISTRY
BATT PROPERTY
0
500
meters
UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft
FILE: 2018/BATT
DATE: OCTOBER 2018


True North
1°59'
18°59' E
Grid North
Magnetic North
Annual change 20.1' y West
370,000
372,000
6,670,000
6,668,000
PROPERTY BOUNDARY
4,800
5,900
5,000
5,300
5,400
6,100
Arsenic-in-soil (ppm)
500 to 643
200 to 500
100 to 200
50 to 100
20 to 50
0 to 20
BLUEBIRD BATTERY METALS INC.
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC SOIL GEOCHEMISTRY
BATT PROPERTY
0
500
meters
UTM ZONE 8, NAD 83, NTS 115A/03; Contours interval: 100 ft
FILE: 2018/BATT
DATE: OCTOBER 2018

several areas on the property. There is a relatively strong relationship between arsenic, cobalt and gold in soils, especially within the Main Ridge area. This should be considered when designing the next stage of exploration.

Future work on the Batt property should consist of the following:

1) Further mapping and prospecting of the rest of the property;
2) Detailed structural mapping of the Main Ridge area;
3) Hand trenching across the MS showing to determine the extent of massive sulphide;
4) Follow-up prospecting in the Boulder showing and trenching in select areas where bedrock is close to surface;
5) Soil sampling of the western and southeastern portions of the property;
6) Pending favourable results from the mapping in the Main Ridge area, diamond drilling should be done to test the mineralization at depth.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

S. Israel, B.Sc., M.Sc., Ph.D.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Steve Israel, geologist, with business addresses in Vancouver and Squamish, British Columbia and Whitehorse, Yukon Territory and residential address in Whitehorse, Yukon, do hereby certify that:

1. I graduated in 1998 from Memorial University of Newfoundland and Labrador with a B.Sc (hons) in Geological Sciences, and received a M.Sc. (2001) and Ph.D. (2008) from the University of British Columbia

2. From 2004 to 2018, I worked as a regional bedrock mapper for the Yukon Geological Survey and have considerable expertise in North American Cordilleran geology.

3. I have worked as a contractor for exploration companies in British Columbia, Yukon and Mexico.

4. I am a full-time employee of Archer, Cathro & Associates (1981) Limited.

5. I have personally supervised the fieldwork reported herein and have interpreted all data resulting from this work.

S. Israel, B.Sc., M.Sc., Ph.D.

APPENDIX II

STATEMENT OF EXPENDITURES

Statment of Expenditures
Batt Property
November 15, 2018

Labour

Employee	Job Description	Hours	Time Period	Rate/hr	Total
Doug Eaton	Sr. Geologist	10	May 1 - November 15	$ 120.00	$ 1,200.00
Heather Burrell	Sr. Geologist	25	May 1 - November 15	$ 111.00	$ 2,775.00
Kelson Willms	Geologist	64	May 1 - November 15	$ 71.00	$ 4,544.00
Liz Smith	Logistics & Office & Field Labour	8	May 1 - November 15	$ 83.00	$ 664.00
Lorna Corbett	Logistics & Office	14	May 1 - November 15	$ 83.00	$ 1,162.00
Scott Newman	Office & Mapping	10	May 1 - November 15	$ 69.00	$ 690.00
Matt Van Loon	Field Labour	64	May 1 - November 15	$ 80.00	$ 5,120.00
Shawn Slipetz	Expediting	4	May 1 - November 15	$ 69.00	$ 276.00
Steve Israel	Sr. Geologist	143	May 1 - November 15	$ 111.00	$ 15,873.00
Wayne Schneider	Logistics & Support	5	May 1 - November 15	$ 98.00	$ 490.00
					$ 32,794.00

Expenses

Field room and board	21 man days	$ 80.00	/per day	$ 1,680.00
Whitehorse room and board	3 man days	$ 180.00	/ per day	$ 540.00
Capital Helicopters, as attached				$ 8,916.74
ALS Chemex, as attached				$ 8,800.64
				$ 19,937.38

Total 2018 expenditures		$ 52,731.38

Cost per sample $ 185.02

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Property: Batt

Sample Number:	K291656	UTM:	371712 mE	Nad83, Zone 8	
Elevation:	5135 m	UTM:	6669113 mN		
Comments:	Orange to redish brown weatherd cream to beige/red fresh altered volcanic, silica and calcite altered cut by numerous quartz veinlets hematite and limonite along fractures, minor disseminated sulphides (py)				

Sample Number:	K291657	UTM:	371984 mE	Nad83, Zone 8	
Elevation:	5408 m	UTM:	6668942 mN		
Comments:	Quarz vein float, malachite and azurite with cpy disseminated throughout, black, silvery metalic mineral coating some surfaces, not sure what it is…				

Sample Number:	K291658	UTM:	372504 mE	Nad83, Zone 8	
Elevation:	6062 m	UTM:	6668423 mN		
Comments:	Quartz vein in float along a float train that is along strike of massive sulphide veins a few km NW, malachite, azurite and disseminated cpy				

Sample Number:	K291659	UTM:	370743 mE	Nad83, Zone 8	
Elevation:	5937 m	UTM:	6669169 mN		
Comments:	Quartz vein ~40 cm thick with abundant malachite staining and blebs of cpy throughout, disseminated cpy locally, chip sample across vein includes 5 cm of wallrock on each side				

Sample Number:	K291660	UTM:	372375 mE	Nad83, Zone 8	
Elevation:	5612 m	UTM:	6668179 mN		
Comments:	Quartz vein float train, large boulder 50x80cm of quartz-carb with brecciated wallrock, blebs of cpy throughout, several large boulders				

Sample Number:	K291661	UTM:	371979 mE	Nad83, Zone 8	
Elevation:	5270 m	UTM:	6669099 mN		
Comments:	Large boulder 30x50 cm of massive sulphide with minor quartz on edges, po, cpy, bournite, sulphide developed within altered volcanic rocks				

Rock Sample Descriptions Property: Batt

Sample Number:	K291662	UTM:	371745	mE	Nad83, Zone 8
Elevation:	5105 m	UTM:	6669193	mN	
Comments:	10 cm quartz-epidote vein within basalt, abundant cpy (semi-massive in places), malachite stained fractures				

Sample Number:	K291663	UTM:	372710	mE	Nad83, Zone 8
Elevation:	5131 m	UTM:	6666719	mN	
Comments:	Quartz vein with blebs of cpy, malachite and azurite stained fractures				

Sample Number:	K291664	UTM:	372687	mE	Nad83, Zone 8
Elevation:	5156 m	UTM:	6666756	mN	
Comments:	Highly oxidized semi-massive sulphide float, orange to brown weathered, mainly py and cpy				

Sample Number:	K291665	UTM:	372604	mE	Nad83, Zone 8
Elevation:	5130 m	UTM:	6666806	mN	
Comments:	Boulder 30x30 cm of strongly altered volc (?) with seams of sulphide up to 1 cm thick, mainly py with cpy and malachite and azurite stained fractures				

Sample Number:	K291666	UTM:	371051	mE	Nad83, Zone 8
Elevation:	5589 m	UTM:	6669710	mN	
Comments:	Float train from along strike of outcrop vein on opposite side of ridge, qtz-carb vein with stringers of cpy, malachite and azurite on fractures and locally abundant erythrite				

Sample Number:	K291667	UTM:	371044	mE	Nad83, Zone 8
Elevation:	5537 m	UTM:	6669650	mN	
Comments:	Thin (5-8 cm) carb-qtz vein within altered fine-grained volcanic, seams of cpy parallel to vein wall, malachite and azurite along fractures				

Rock Sample Descriptions Property: Batt

Sample Number:	K291668	UTM:	371022	mE	Nad83, Zone 8
Elevation:	5566 m	UTM:	6669653	mN	

Comments: Sample from small shear zone ~0.8 m thick, through altered gabbro (?) chlorite, malachite and azurite on foliation plains, minor cpy throughout, thin 1 cm quartz veins devloped along foliation in places

Sample Number:	K291669	UTM:	370968	mE	Nad83, Zone 8
Elevation:	5698 m	UTM:	6669681	mN	

Comments: High-grade erythrite sample from main zone vein, several tens of metres from top of ridge, qtz-carb vein with cpy, erythrite, malachite and azurite

Sample Number:	K291670	UTM:	370433	mE	Nad83, Zone 8
Elevation:	5287 m	UTM:	6670257	mN	

Comments: Very large boulder directly below cliffs, altered volcanic rock with thin quartz veins throughout, abundant stringers and disseminated cpy and py

Sample Number:	W591651	UTM:	370968	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669689	mN	

Comments: 1.35 m chip sample. Fine grained crystalline tuff(?) with minor patchy malachite stain locally throughout. Oxidized 6 cm quartz vein present within, trending 289/62. host rock along selvege of vein zone

Sample Number:	W591652	UTM:	370966	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669688	mN	

Comments: 1 m chip sample of quartz carbonate vein trending 310/74. Quart vein hosts disseminated patchy malachite. Vein hosts 15 cm, black stained interval carrying disseminated pyrite, black surficial cobaltite(?) and vibrant pink patchy erythrite along with minor disseminated chalcopyrite.

Sample Number:	W591653	UTM:	370965	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669686	mN	

Comments: 1.65 m chip sample of quartz vein trending 310/74. Vein hosts disseminated pyrite, chalcopyrite and malachite throughout. Part of vein seen in W591652

Rock Sample Descriptions Property: Batt

Sample Number:	W591654	UTM:	370964 mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669685 mN	

Comments: 0.5 m chip sample of fine grained, medium green gabbro host rock. Very trace disseminated pyrite within

Sample Number:	W591655	UTM:	371096 mE	Nad83, Zone 8
Elevation:	1633 m	UTM:	6669849 mN	

Comments: 8 cm quart vein (033/74) hosted within volcaniclastics. Volcaniclastics have porphyritic texture with larger clasts. Vein hosts dissemianted pyrite, chalcopyrite, malachite throughout. Minor vugs in quart present.

Sample Number:	W591656	UTM:	371122 mE	Nad83, Zone 8
Elevation:	1616 m	UTM:	6669810 mN	

Comments: Approximately 80 cm rusty and oxidized quartz vein found within volcaniclastics. Vein has limonite and oxide infill within minor vugs and fracture faces. Minor weathered pyrite pits present, along with disseminated pyrite, chalcopyrite and minor galena. Chip sample taken at 223*

Sample Number:	W591657	UTM:	371149 mE	Nad83, Zone 8
Elevation:	1666 m	UTM:	6669824 mN	

Comments: Heavily oxidized banded and crystalline tuff (intermixed) carrying 20 cm oxidized quart vein (330/66). Vein has minor carbonate veinlets within and hosts disseminated pyrite with lesser disseminated chalcopyrite and patchy malachite. Vein traced for 30 m through talus and outcrop.

Sample Number:	W591658	UTM:	371192 mE	Nad83, Zone 8
Elevation:	1669 m	UTM:	6669855 mN	

Comments: Undulating 15-25cm quartz vein within fine grained volcaniclastic tuff. Quartz vein is milky white with patchy oxididation and minor vuggy textures. Vein is mostly barren, but does host disseminated pyrite and chalcopyrite. Siliceous halo around vein (siliceous tuff) hosts disseminated to weakly blebby prite, chalcopyrite, cobaltite(?) and arsenopyrite. 30 cm chip sample taken across vein.

Rock Sample Descriptions Property: Batt

Sample Number:	W591659	UTM:	371196	mE	Nad83, Zone 8
Elevation:	1670 m	UTM:	6669878	mN	

Comments: 30 cm vuggy quartz vein. Vein is pervasively oxidized and hosts dissemianted pyrite, chalcopyrite and malachite. Vein hosts black cherty(?) or smoky quartz band within that has erythrite alteration along fractures and within. Chip sample taken across entire vein

Sample Number:	W591660	UTM:	371665	mE	Nad83, Zone 8
Elevation:	1771 m	UTM:	6668618	mN	

Comments: Oxidized quartz vein within rusty carbonate vein exposure. Quartz vein hosts blebby chalcopyrite with minor pyrite (+-pyrrhotite?) throughout. Rusty carbonate veining surrounding quartz vein is not mineralized. Trending 143*.

Sample Number:	W591661	UTM:	371996	mE	Nad83, Zone 8
Elevation:	1628 m	UTM:	6669037	mN	

Comments: Rusty and oxidized quartz float boulder (30 cm) hosting massive chalcopyrite throughout with local malachite, pyrite, bornite (?) (blue oxidation present, but deep cobalt blue, not peacock blue)

Sample Number:	W591662	UTM:	372020	mE	Nad83, Zone 8
Elevation:	1620 m	UTM:	6669080	mN	

Comments: Dark grey to green fine grained volcanics cut by quartz veining. Entire boulder (both quartz and volcanics) hosts strings of disseminated to blebby pyrite, chalcopyrite, pyrrhotite.

Sample Number:	W591663	UTM:	371982	mE	Nad83, Zone 8
Elevation:	1625 m	UTM:	6669100	mN	

Comments: Massive (~80 cm to 1m) calcite boulder found in glacial float. Boulder hosts massive pyrrhotite throughout as masses, with lesser chalcopyrite, pyrite (blebs and disseminated strings throughout) and very trace bornite (?) (peacock blue grains within). Pyrrhotite is strongly magnetic, and weathered to manganese purple on surface.

Rock Sample Descriptions Property: Batt

Sample Number:	W591664	UTM:	371992	mE	Nad83, Zone 8
Elevation:	1616 m	UTM:	6669042	mN	

Comments: Banded quartz vein float hosting massive and blebby chalcopyrite throughout, with local blebby pyrite, pyrrhotite and trace bornite.

Sample Number:	W591665	UTM:	371528	mE	Nad83, Zone 8
Elevation:	5235 m	UTM:	6668427	mN	

Comments: Talus slope with abundant laminated jasper and intensely oxidized quartz vein float. Sample taken of vein float. Immense limonite present within filled vugs, and manganese staining present throughout.

Sample Number:	W591666	UTM:	371565	mE	Nad83, Zone 8
Elevation:	5245 m	UTM:	6668281	mN	

Comments: Purple altered, laminated chert horizon hosting blebby pyrite clusters throughout.

Sample Number:	W591667	UTM:	371686	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6668035	mN	

Comments: Region of heavily oxidized, altered and weathered fault zone with volcanics and chert present. Sample taken of fracture breccia hosting quart clasts (up to 5 cm)

Sample Number:	W591668	UTM:	371732	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6668283	mN	

Comments: Rusty (surficial) volcanics hosting strings and disseminated pyrite throughout (10% sulphide).

Sample Number:	W591669	UTM:	371631	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6667942	mN	

Comments: 2 m chip sample at 243*. Crosses intensely oxidized and bleached volcanics with sericite alteration(?). Weathered pyrite pits present throughout. Oxidized veins are roughly 30 cm (two veins) with quartz rich volcanics around.

Rock Sample Descriptions Property: Batt

Sample Number:	W591670	UTM:	371343	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6667618	mN	

Comments: Masses of disseminated pyrite within a 5 m black smokey chert horizon. Horizon is part of a larger ~15 m chert/magnetite horizon.

Sample Number:	W591671	UTM:	371343	mE	Nad83, Zone 8
Elevation:	1513 m	UTM:	6667618	mN	

Comments: Black chert and volcanics hosting massive pyrite within.

Sample Number:	W591672	UTM:	371036	mE	Nad83, Zone 8
Elevation:	5379 m	UTM:	6669747	mN	

Comments: Intensely oxidized and pitted ~1m wide quartz vein within shear one (vein is nuked, leaving no primary/secondary sulphides, alteration, textures). Very vuggy with intense limonite and pitting throughout.

Sample Number:	W591673	UTM:	371037	mE	Nad83, Zone 8
Elevation:	5379 m	UTM:	6669748	mN	

Comments: Chlorite altered gabbro with carbonate veining throughout found along selveges of nukes quartz vein (within shear zone). Hosts intense surficial malachite, azurite weathering along surface. Copper weathering is the result of remobilized copper from weathering as a result of shearing?

Sample Number:	W591674	UTM:	370543	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669873	mN	

Comments: Epidote altered volcanics with minor quartz stringers throughout. Volcanics host clusters of euhedral pyrite and a cluster of fine cobaltite grains along a fracture surface or exposed cavity (difficult to tell). Float. No rep

Sample Number:	W591675	UTM:	370463	mE	Nad83, Zone 8
Elevation:	6969 m	UTM:	6669860	mN	

Comments: Intensely oxidized and pitted quartz vein float hosting intense manganese stain, limonite and disseminated pyrite within. Pyrite cavities present throughout entire sample.

Rock Sample Descriptions Property: Batt

Sample Number:	W591829	UTM:	370936	mE	Nad83, Zone 8
Elevation:	1709 m	UTM:	6669765	mN	

Comments: Grab sample of quartz vein hosting disseminated blebs of chalcopyrite, pyrite and patchy malachite throughout. Quartz vein hosted within gabbro to volcaniclastic.

Sample Number:	W591830	UTM:	371074	mE	Nad83, Zone 8
Elevation:	5531 m	UTM:	6669694	mN	

Comments: Quatz carbonate vein float train. Large blocks of crack-seal type vein. Rusty stringers, malachite staining on fractures, py and cpy blebs up to 5 mm throughout

Sample Number:	W591831	UTM:	371058	mE	Nad83, Zone 8
Elevation:	5444 m	UTM:	6669659	mN	

Comments: 5 m chip sample through quartz carbonate vein. Blebby cpy and py up to 2 cm, abundant malachite and azurite staining, limonitic stringers throughout. Crack-seal texture

Sample Number:	W591832	UTM:	371040	mE	Nad83, Zone 8
Elevation:	5512 m	UTM:	6669641	mN	

Comments: Chip sample 18B01 0-1m through quartz carb vein and partial bedrock 0-1m through mostly fine-grained tuff with minor quartz veining

Sample Number:	W591833	UTM:	371037	mE	Nad83, Zone 8
Elevation:	5512 m	UTM:	6669642	mN	

Comments: Chip sample 18B02 1-2.3 m through quartz vein with minor wall rock inlusions, blebs of cpy up to 5 cm, massive cpy/py +/- po in places

Sample Number:	W591834	UTM:	371036	mE	Nad83, Zone 8
Elevation:	5516 m	UTM:	6669639	mN	

Comments: Chip sample 18B03 2.3-2.6 minor vein material, mostly fine grained tuff and crystal tuff

Rock Sample Descriptions Property: Batt

Sample Number:	W591835	UTM:	370925	mE	Nad83, Zone 8
Elevation:	5516 m	UTM:	6669776	mN	
Comments:	25 cm wide quartz/carbonate vein within crystal tuff. Disseminated sulphides (py, cpy), malachite and azurite staining, abundant limonitic stringers and coated fractures				

Sample Number:	W591836	UTM:	370703	mE	Nad83, Zone 8
Elevation:	5497 m	UTM:	6669787	mN	
Comments:	Quartz vein float train, rusty weathered qtz vein with malachite staining, py and cpy. Quite vuggy locally filled with calcite				

Sample Number:	W591837	UTM:	370717	mE	Nad83, Zone 8
Elevation:	5489 m	UTM:	6670508	mN	
Comments:	Orange weathered, banded quartz vein with hematite and manganese coated fracture surfaces				

Sample Number:	W591838	UTM:	370297	mE	Nad83, Zone 8
Elevation:	5690 m	UTM:	6669789	mN	
Comments:	Vuggy quartz carbonate vein with minor py				

Sample Number:	W591839	UTM:	370814	mE	Nad83, Zone 8
Elevation:	5762 m	UTM:	6669522	mN	
Comments:	Vuggy quartz vein with minor malachite, cpy and py				

Sample Number:	W591840	UTM:	371155	mE	Nad83, Zone 8
Elevation:	5159 m	UTM:	6670020	mN	
Comments:	30 cm chip sample across fault vein, brecciated wall rock infilled with quartz and laterally continuous quartz veins. Locallly abundant malachite staining and disseminated cpy and py				

Rock Sample Descriptions Property: Batt

Sample Number:	W591841	UTM:	371572	mE	Nad83, Zone 8
Elevation:	5249 m	UTM:	6669026	mN	
Comments:	Orange weathered, silica altered volcanic thin quartz veinlets throughout, malachite and azurite staining on fractures, minor cpy +/- py				

Sample Number:	W591842	UTM:	371204	mE	Nad83, Zone 8
Elevation:	5410 m	UTM:	6669828	mN	
Comments:	35 cm chip sample across quartz vein, vuggy, with wall rock fragments, abundant malachite and azurtite staining on fractures in vein, cpy and py disseminated				

Sample Number:	W591843	UTM:	371206	mE	Nad83, Zone 8
Elevation:	5147 m	UTM:	6669959	mN	
Comments:	Rusty weathered angular quartz boulder below veins in cliff face, vuggy with abundant malachite and azurite, stringers of cpy +/- py throughout				

Sample Number:	W591844	UTM:	371620	mE	Nad83, Zone 8
Elevation:	4975 m	UTM:	6669562	mN	
Comments:	Massive sulphide lense in altered volcanic rocks, mainly py with cpy				

Sample Number:	W591845	UTM:	371620	mE	Nad83, Zone 8
Elevation:	4976 m	UTM:	6669563	mN	
Comments:	Semi-massive sulphide in altered volcanic rocks, py and cpy stringers and blebs				

Sample Number:	W591846	UTM:	371606	mE	Nad83, Zone 8
Elevation:	4987 m	UTM:	6669552	mN	
Comments:	Quartz infill within altered volcanic rocks, malachite, azurite, py and cpy vuggy texture in quartz dark black coating on some quartz surfaces				

Rock Sample Descriptions Property: Batt

Sample Number:	W591847	UTM:	371620	mE	Nad83, Zone 8
Elevation:	4974 m	UTM:	6669565	mN	
Comments:	2 m chip sample across massive and semi-massive sulphide lense, both sides disapear into talus, not sure of real thickness appears to trend at 070				

Sample Number:	W591848	UTM:	371614	mE	Nad83, Zone 8
Elevation:	4978 m	UTM:	6669568	mN	
Comments:	Semi-massive sulphide within altered volcanic rocks, rusty weathered surface, fractured with hematite and limonite on fracture surfaces, main sulphide is py with some cpy				

Sample Number:	W591849	UTM:	371593	mE	Nad83, Zone 8
Elevation:	5068 m	UTM:	6669554	mN	
Comments:	Disseminated and stringers of sulphide in fractured and rusty weathered volacanics, mainly py with some cpy, some malachite staining on fractures				

Sample Number:	W591850	UTM:	371607	mE	Nad83, Zone 8
Elevation:	4953 m	UTM:	6669582	mN	
Comments:	Red jasper horizon within basalt, magnetite throughout, abundant py +/- cpy on fractures and locally disseminated				

APPENDIX IV

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

CERTIFICATE WH18197601

Project: BATT

This report is for 224 Soil samples submitted to our lab in Whitehorse, YT, Canada on 13- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL	ANDREW CARNE	MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS61	48 element four acid ICP- MS	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09501		0.41	0.003	0.05	7.88	18.1	580	1.25	0.19	2.43	0.29	41.4	26.0	126	2.60	95.0
YY09502		0.45	0.117	0.54	7.31	142.5	240	1.09	0.18	1.97	1.83	28.2	323	120	1.16	1265
YY09503		0.69	0.081	0.18	8.53	63.3	220	1.01	0.13	1.89	0.69	25.4	131.0	169	1.19	374
YY09504		0.55	0.005	0.22	7.13	23.6	340	0.99	0.13	1.81	2.24	37.8	39.4	92	1.58	980
YY09505		0.40	0.003	0.16	7.67	32.5	600	1.70	0.20	3.39	0.37	43.5	37.9	136	3.04	113.0
YY09506		0.58	0.018	0.25	7.76	55.9	620	1.38	0.24	2.80	0.72	46.6	78.3	123	3.91	336
YY09507		0.52	0.048	0.40	7.01	135.5	160	0.91	0.12	1.67	1.36	27.6	284	204	0.88	705
YY09508		0.53	0.017	0.25	7.36	96.9	210	1.15	0.10	1.87	0.54	24.7	212	236	1.19	426
YY09509		0.56	0.065	0.45	7.51	131.0	210	1.01	0.22	1.55	5.78	30.1	560	130	1.28	1390
YY09510		0.63	0.010	0.18	7.35	27.9	340	1.52	0.10	2.99	0.67	31.5	75.6	284	1.87	286
YY09511		0.54	0.840	0.40	7.17	643	280	0.94	0.31	1.82	0.55	71.7	2230	135	1.81	1425
YY09512		0.56	0.048	0.11	7.08	29.4	440	1.16	0.10	3.87	0.39	41.0	54.5	142	1.50	255
YY09513		0.59	0.571	0.21	7.29	57.1	510	1.23	0.19	3.51	0.40	43.4	77.4	152	2.40	405
YY09514		0.40	0.002	0.23	7.48	18.1	670	1.51	0.25	2.80	0.43	49.3	31.4	106	3.92	94.9
YY09515		0.48	0.009	0.14	7.44	47.9	360	1.04	0.09	2.76	0.49	25.9	68.0	146	2.34	283
YY09516		0.54	0.024	0.19	7.54	94.3	190	0.85	0.10	0.85	2.16	35.0	103.5	111	1.38	327
YY09517		0.53	0.014	0.13	7.56	21.0	240	1.23	0.09	2.27	0.73	20.5	142.5	132	1.64	610
YY09518		0.53	0.087	0.47	7.54	253	250	0.91	0.16	1.37	1.66	50.0	239	86	1.70	1155
YY09519		0.46	2.91	1.64	6.79	497	460	1.08	0.49	2.87	0.90	58.1	567	99	1.88	5160
YY09520		0.46	0.256	0.15	7.29	65.3	440	1.29	0.16	3.47	0.42	45.5	73.7	135	2.09	538
YY09521		0.56	0.086	0.18	7.30	31.0	450	1.33	0.13	3.84	0.35	53.1	54.3	147	1.72	258
YY09522		0.47	0.001	0.17	7.39	21.1	670	1.54	0.29	2.65	0.33	53.9	30.7	103	3.90	91.1
YY09523		0.48	0.041	0.08	7.28	18.5	480	1.57	0.14	3.57	0.29	49.1	36.5	138	1.73	135.0
YY09524		0.38	0.016	0.10	7.29	39.6	520	1.28	0.18	2.78	0.36	44.3	57.3	94	3.25	179.0
YY09525		0.45	0.008	0.18	8.23	67.9	150	0.87	0.10	2.23	0.14	34.4	91.2	167	2.89	327
YY09526		0.41	0.005	0.18	7.28	76.9	190	1.79	0.05	2.21	0.18	28.1	78.4	646	1.61	251
YY09527		0.46	0.008	0.17	7.35	26.8	790	1.82	0.13	4.38	0.79	24.9	99.2	205	3.23	552
YY09528		0.45	0.007	0.24	7.06	71.4	430	1.89	0.15	2.65	2.57	32.0	89.7	136	3.32	411
YY09529		0.55	0.022	0.71	7.08	84.2	470	1.62	0.26	2.84	8.86	30.8	88.3	89	2.64	890
YY09530		0.44	0.012	0.23	7.48	28.1	370	1.29	0.15	3.15	6.79	33.0	77.3	104	2.56	509
YY09531		0.42	0.007	0.10	7.35	25.8	450	1.20	0.22	2.44	2.59	41.9	53.9	124	2.79	412
YY09532		0.36	0.004	0.12	7.27	29.0	480	1.38	0.14	2.42	0.72	36.7	47.2	127	2.53	152.0
YY09533		0.46	0.002	0.13	7.63	23.8	420	1.21	0.09	1.19	0.87	37.4	40.4	108	6.40	493
YY09534		0.46	0.009	0.16	7.26	46.7	450	1.58	0.18	2.39	0.72	43.6	70.1	122	3.32	294
YY09535		0.40	0.469	0.41	7.46	532	310	1.16	0.39	1.79	0.25	49.5	630	144	2.24	891
YY09536		0.43	0.111	0.41	7.51	112.0	390	1.38	0.20	2.50	0.52	58.4	99.6	152	2.71	1810
YY09537		0.34	0.811	0.16	6.66	62.5	440	1.48	0.15	2.59	0.36	39.9	73.4	159	2.99	221
YY09538		0.40	0.005	0.12	7.19	46.1	570	1.58	0.23	2.58	0.46	47.3	61.3	123	4.55	166.5
YY09539		0.42	0.003	0.09	7.25	25.3	500	1.72	0.17	3.09	0.36	43.1	54.0	125	2.76	147.5
YY09540		0.50	<0.001	0.05	7.37	15.4	340	1.04	0.08	3.19	0.27	29.3	46.5	223	2.16	101.5

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09501		6.02	17.85	0.11	1.7	0.073	0.92	19.3	20.4	2.41	884	2.59	1.76	10.0	59.7	1570
YY09502		8.44	16.80	0.09	0.8	0.151	0.46	11.6	12.7	3.44	2440	1.56	1.65	5.4	76.1	1120
YY09503		8.13	18.00	0.07	1.1	0.097	0.43	11.4	15.3	4.74	2060	1.73	2.20	6.3	78.7	1250
YY09504		5.49	13.30	0.05	1.0	0.070	0.70	15.7	12.7	2.57	1140	1.20	2.08	7.0	50.5	1260
YY09505		5.97	16.80	0.07	1.5	0.076	1.17	21.1	17.9	2.36	1100	2.84	1.97	9.1	62.5	1540
YY09506		6.34	17.20	0.07	1.4	0.094	1.07	21.4	20.5	2.56	1240	3.06	1.56	8.3	66.1	1410
YY09507		7.87	15.15	<0.05	0.9	0.119	0.26	9.7	11.8	3.34	2140	1.17	1.77	5.2	81.9	1470
YY09508		7.48	14.80	0.05	0.9	0.075	0.34	8.2	12.3	3.34	1980	0.70	1.95	5.4	93.1	1540
YY09509		8.91	16.30	0.06	0.8	0.137	0.34	10.9	12.4	3.89	2690	1.05	1.57	5.2	73.5	1350
YY09510		7.22	15.35	0.06	1.1	0.075	0.54	13.9	13.0	3.62	2110	1.28	1.73	6.1	104.5	1680
YY09511		7.37	15.25	0.08	1.0	0.149	0.49	31.0	13.6	2.41	1870	1.92	1.68	6.4	98.7	1120
YY09512		5.97	15.25	0.06	1.3	0.087	0.78	19.4	12.1	2.39	1140	1.28	1.91	8.7	56.0	1280
YY09513		6.45	16.15	0.06	1.5	0.104	0.94	20.0	16.1	2.51	1210	2.33	1.74	8.7	66.7	1490
YY09514		5.81	16.75	0.08	1.6	0.072	1.24	23.5	23.3	2.35	914	3.22	1.67	10.0	60.5	1420
YY09515		6.82	15.30	0.05	0.8	0.071	0.62	10.5	13.1	2.87	1530	1.15	0.99	5.0	69.6	1060
YY09516		9.85	15.65	0.06	0.6	0.095	0.72	13.6	15.0	2.46	3020	1.22	0.91	5.6	59.0	1370
YY09517		7.73	16.15	0.05	0.7	0.082	0.31	8.4	11.0	4.10	1990	0.66	1.50	4.9	70.8	1280
YY09518		8.53	17.10	0.07	0.8	0.191	0.41	20.6	14.2	2.55	2630	2.18	1.45	5.4	53.2	1150
YY09519		7.88	16.80	0.13	1.7	0.565	0.68	27.9	15.4	2.09	1820	2.73	1.60	8.6	71.8	1220
YY09520		6.30	16.50	0.13	1.5	0.133	0.75	21.1	17.0	2.34	1220	2.06	1.72	8.9	66.6	1260
YY09521		6.23	17.65	0.15	1.8	0.096	0.83	25.4	16.0	2.39	1140	1.72	1.93	11.1	61.0	1460
YY09522		5.60	18.20	0.15	1.7	0.075	1.24	25.5	28.5	2.27	877	4.20	1.64	10.0	62.3	1540
YY09523		6.18	17.35	0.11	1.7	0.084	0.90	22.9	16.2	2.31	1100	1.67	1.96	10.5	56.2	1500
YY09524		5.63	16.80	0.13	1.6	0.088	0.80	19.9	21.7	1.96	1380	2.88	1.48	8.6	57.0	1290
YY09525		7.17	18.05	0.11	0.9	0.087	0.27	12.3	22.4	2.02	2320	1.21	2.09	6.0	85.7	1130
YY09526		7.28	16.95	0.10	1.6	0.070	0.17	9.4	10.0	3.11	2200	1.01	1.12	5.3	254	1220
YY09527		6.06	14.25	0.11	1.1	0.049	0.68	10.6	10.4	3.07	2340	1.41	1.18	4.0	85.5	1470
YY09528		7.07	16.00	0.11	1.1	0.071	0.57	12.5	18.5	2.79	2120	1.98	1.13	5.0	94.2	1240
YY09529		7.75	15.70	0.11	1.1	0.107	0.73	13.3	14.5	2.13	1570	2.37	1.57	5.3	56.5	1300
YY09530		6.70	16.10	0.10	1.0	0.092	0.55	14.2	13.8	2.49	1260	1.57	1.32	5.3	64.7	1230
YY09531		7.63	17.45	0.12	1.7	0.115	0.76	19.2	19.5	2.30	1470	3.12	1.48	8.2	63.1	2220
YY09532		5.97	15.90	0.12	1.5	0.065	0.76	15.2	16.6	2.25	1300	2.24	1.52	7.1	61.5	1750
YY09533		6.01	14.35	0.11	1.2	0.076	1.44	12.8	14.4	3.17	1740	0.99	0.45	4.1	61.2	1420
YY09534		6.49	16.50	0.10	1.3	0.083	0.64	17.7	19.6	2.54	1800	2.07	1.46	6.9	68.7	1840
YY09535		8.49	16.85	0.12	1.5	0.131	0.57	22.3	18.5	2.68	1550	1.87	1.27	6.8	82.7	1170
YY09536		7.70	18.00	0.16	1.9	0.177	0.55	26.8	19.9	2.47	1930	2.70	1.58	7.8	75.9	1390
YY09537		6.06	15.55	0.11	1.4	0.078	0.59	17.7	18.5	2.08	1620	2.71	1.23	6.6	73.2	1990
YY09538		6.36	17.80	0.13	2.1	0.083	0.94	22.2	25.6	2.25	1560	3.84	1.43	9.1	77.3	1490
YY09539		5.86	16.80	0.12	1.6	0.065	0.88	20.0	20.0	2.15	1290	2.62	1.65	8.9	67.5	1410
YY09540		6.89	18.15	0.09	1.1	0.079	0.89	11.2	17.5	3.48	1490	1.37	1.24	6.6	97.6	1530

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09501		9.9	29.3	<0.002	0.04	2.08	24.2	1	1.5	258	0.65	0.05	4.03	0.624	0.34	1.8
YY09502		9.3	4.7	<0.002	0.03	4.88	39.9	1	0.7	171.0	0.30	0.13	1.00	0.396	0.09	0.6
YY09503		8.6	5.1	<0.002	0.02	2.69	36.2	1	0.9	166.0	0.37	0.18	1.45	0.487	0.10	0.8
YY09504		7.0	16.3	<0.002	0.01	1.88	21.5	1	0.9	220	0.42	0.10	2.20	0.467	0.16	1.1
YY09505		12.3	29.9	<0.002	0.02	3.24	27.0	1	1.3	311	0.54	0.08	3.68	0.560	0.34	1.9
YY09506		12.5	30.3	<0.002	0.03	2.54	27.3	1	1.3	322	0.54	0.11	3.93	0.515	0.35	1.9
YY09507		36.3	2.1	<0.002	0.02	1.26	33.8	1	0.7	161.5	0.27	0.17	0.96	0.459	0.05	0.6
YY09508		8.0	2.4	<0.002	0.01	1.98	34.2	1	0.6	179.5	0.26	0.09	0.89	0.451	0.05	0.5
YY09509		12.9	3.2	<0.002	0.02	3.22	40.2	1	0.6	147.0	0.27	0.21	0.99	0.396	0.07	0.6
YY09510		8.0	8.1	<0.002	0.02	6.00	36.4	1	0.8	244	0.32	0.06	2.10	0.469	0.11	1.0
YY09511		7.5	13.6	<0.002	0.04	1.87	46.9	1	0.9	168.0	0.37	1.22	2.19	0.473	0.14	1.0
YY09512		15.6	13.3	<0.002	0.02	1.47	27.8	1	1.1	351	0.54	0.07	2.61	0.656	0.17	1.3
YY09513		10.0	20.1	<0.002	0.02	2.58	27.6	1	1.2	338	0.52	0.13	3.41	0.591	0.24	1.9
YY09514		14.3	39.6	<0.002	0.03	2.29	23.4	1	1.4	300	0.66	0.08	4.70	0.586	0.40	2.3
YY09515		5.2	8.7	<0.002	0.03	1.90	32.4	1	0.7	254	0.28	0.11	1.21	0.357	0.12	0.6
YY09516		14.9	10.8	<0.002	0.02	1.78	39.5	1	0.6	74.9	0.31	0.09	0.84	0.534	0.10	0.4
YY09517		6.3	3.6	<0.002	0.02	3.09	35.3	1	0.5	261	0.25	0.08	0.92	0.334	0.07	0.5
YY09518		10.4	6.1	<0.002	0.03	1.77	45.3	1	0.8	126.0	0.32	0.31	1.32	0.440	0.11	0.6
YY09519		11.5	23.0	<0.002	0.07	1.76	36.7	2	1.4	292	0.54	0.50	3.48	0.583	0.22	1.7
YY09520		8.7	22.0	<0.002	0.03	3.23	29.3	1	1.3	326	0.54	0.09	3.19	0.608	0.19	1.6
YY09521		8.1	21.9	<0.002	0.01	1.66	29.0	1	1.4	365	0.72	0.06	4.27	0.738	0.19	1.9
YY09522		15.4	44.9	<0.002	0.03	3.78	22.9	2	1.6	294	0.65	0.06	5.52	0.558	0.47	2.6
YY09523		8.1	20.1	<0.002	0.01	1.77	28.0	1	1.3	364	0.67	<0.05	3.81	0.706	0.21	1.7
YY09524		10.7	30.0	<0.002	0.07	2.77	22.3	1	1.2	292	0.55	0.10	4.06	0.509	0.33	1.9
YY09525		4.7	3.9	<0.002	0.02	1.02	43.4	2	0.7	100.0	0.30	0.13	0.92	0.478	0.07	0.4
YY09526		6.0	1.7	<0.002	0.01	0.69	35.3	1	0.7	205	0.28	<0.05	1.38	0.494	0.04	0.6
YY09527		14.5	15.3	<0.002	0.06	1.37	26.1	1	0.7	386	0.22	0.12	1.73	0.327	0.14	0.9
YY09528		48.6	11.3	<0.002	0.03	2.36	34.4	1	0.9	211	0.29	0.07	2.04	0.352	0.16	1.1
YY09529		68.3	13.7	<0.002	0.05	2.16	24.2	3	0.9	275	0.33	0.20	2.24	0.380	0.19	1.2
YY09530		20.6	16.0	<0.002	0.05	1.31	28.4	2	0.8	275	0.30	0.10	2.21	0.373	0.16	1.0
YY09531		10.8	32.1	<0.002	0.06	1.81	28.9	2	1.2	270	0.50	0.09	3.49	0.523	0.28	1.8
YY09532		13.3	27.4	<0.002	0.08	1.53	24.7	1	1.0	258	0.43	0.06	3.05	0.471	0.26	1.5
YY09533		7.7	43.1	<0.002	0.07	3.86	30.9	1	0.7	74.5	0.22	0.06	2.10	0.369	0.20	0.9
YY09534		20.0	22.7	<0.002	0.07	1.81	29.5	1	1.0	236	0.43	0.11	3.12	0.446	0.25	1.4
YY09535		8.7	20.5	<0.002	0.05	1.56	43.5	1	0.9	172.5	0.41	0.20	2.51	0.443	0.19	1.2
YY09536		11.1	21.1	<0.002	0.07	2.03	37.1	2	1.1	253	0.47	0.18	3.35	0.515	0.22	1.4
YY09537		9.2	23.5	<0.002	0.11	1.92	26.2	1	1.0	245	0.40	0.08	3.07	0.448	0.25	1.5
YY09538		16.3	40.2	<0.002	0.08	2.76	25.9	1	1.3	276	0.57	0.09	4.55	0.532	0.39	2.3
YY09539		11.4	33.4	<0.002	0.06	2.71	24.2	1	1.1	323	0.56	0.05	4.00	0.574	0.32	1.9
YY09540		6.2	14.4	<0.002	0.03	2.32	31.4	1	0.9	443	0.37	0.05	1.74	0.538	0.18	0.9

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09501		220	0.9	19.9	147	54.9
YY09502		246	1.7	22.3	342	25.7
YY09503		249	0.9	20.4	267	35.2
YY09504		184	1.1	17.6	682	36.3
YY09505		229	1.0	22.7	138	52.0
YY09506		208	1.0	25.9	206	48.2
YY09507		238	1.8	20.2	354	31.1
YY09508		267	1.7	14.9	164	28.5
YY09509		263	1.8	21.2	1400	27.0
YY09510		271	1.1	19.0	190	38.5
YY09511		232	2.1	43.5	157	34.5
YY09512		214	0.8	23.2	129	45.2
YY09513		218	1.1	23.2	135	50.8
YY09514		198	1.0	24.6	163	54.1
YY09515		217	0.9	17.9	161	29.5
YY09516		241	1.9	26.8	314	22.2
YY09517		238	1.9	15.5	113	23.9
YY09518		212	2.4	41.8	380	27.4
YY09519		199	1.2	43.9	188	60.4
YY09520		206	1.0	26.5	129	48.2
YY09521		222	1.4	28.1	116	62.1
YY09522		190	0.9	27.0	157	58.2
YY09523		217	1.0	26.4	108	53.8
YY09524		179	0.8	22.2	131	55.7
YY09525		226	2.3	27.5	114	29.2
YY09526		295	2.0	11.0	90	55.8
YY09527		194	0.9	15.7	135	37.8
YY09528		227	0.9	19.8	590	35.3
YY09529		201	1.0	22.9	3290	34.1
YY09530		180	0.7	23.0	1670	32.0
YY09531		222	0.8	22.6	991	64.3
YY09532		202	0.9	17.7	343	49.4
YY09533		227	0.9	18.1	261	38.4
YY09534		199	1.1	22.7	191	44.0
YY09535		215	3.1	33.6	103	49.1
YY09536		202	2.0	39.6	147	57.8
YY09537		194	1.4	20.7	121	49.0
YY09538		201	1.1	25.5	173	66.9
YY09539		207	1.1	21.3	134	55.3
YY09540		260	1.5	16.0	113	32.5

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09541		0.53	0.004	0.12	7.21	26.0	430	1.55	0.12	3.70	0.64	38.8	50.3	235	2.99	187.0
YY09542		0.41	0.072	0.11	7.33	34.5	400	1.15	0.12	3.34	0.37	37.7	65.1	178	3.11	221
YY09543		0.50	0.309	0.31	6.90	71.0	360	1.16	0.26	2.43	0.64	56.7	117.0	122	2.57	743
YY09544		0.42	0.006	0.21	7.55	25.4	310	1.38	0.13	1.58	3.88	40.7	61.5	200	2.50	343
YY09545		0.45	0.022	0.11	7.58	57.7	340	1.04	0.11	1.94	0.71	34.5	97.1	149	1.43	381
YY09546		0.52	0.102	0.17	7.46	130.5	390	1.21	0.20	1.85	0.46	35.5	201	131	2.02	729
YY09547		0.43	0.050	0.21	7.29	71.6	440	1.19	0.19	2.18	0.51	46.3	95.5	119	2.28	1040
YY09548		0.50	0.073	0.27	7.41	87.1	440	1.28	0.16	2.76	0.55	40.4	114.5	141	1.99	687
YY09549		0.47	0.104	0.50	8.16	228	210	0.95	0.15	1.24	0.92	43.1	254	155	1.60	1080
YY09550		0.49	0.003	0.15	7.29	16.2	520	1.45	0.13	3.50	0.42	40.4	41.7	154	2.48	155.5
YY09551		0.44	0.004	0.14	6.94	18.6	420	1.12	0.10	3.44	0.35	30.7	50.7	289	2.57	136.0
YY09552		0.47	0.001	0.08	8.89	80.3	220	1.19	0.07	1.19	0.13	32.1	31.9	66	2.57	195.0
YY09553		0.54	0.008	0.14	7.52	38.5	510	1.38	0.15	2.88	0.30	47.0	44.2	120	2.94	321
YY09554		0.46	0.018	0.31	7.39	71.7	530	1.48	0.19	2.54	0.46	44.6	79.3	128	3.17	631
YY09555		0.55	<0.001	0.05	6.68	22.3	300	0.62	0.03	7.26	0.14	15.50	64.4	325	7.32	150.5
YY09556		0.49	0.002	0.05	8.11	19.6	370	1.11	0.04	2.60	0.26	18.20	75.1	271	5.51	202
YY09557		0.58	0.005	0.08	8.20	20.9	390	1.07	0.05	2.57	0.26	21.8	67.2	282	5.11	194.5
YY09558		0.47	0.002	0.07	7.39	27.7	450	1.15	0.14	1.76	0.28	34.5	34.3	145	4.11	108.0
YY09559		0.46	0.002	0.06	7.86	37.7	430	1.14	0.14	1.95	0.33	38.0	37.4	141	3.41	124.5
YY09560		0.52	0.002	0.08	8.09	54.5	410	1.12	0.12	1.94	0.35	39.2	43.7	158	3.01	221
YY09561		0.61	0.005	0.14	7.76	65.5	560	1.20	0.15	2.05	0.41	46.6	44.2	137	2.96	139.5
YY09562		0.49	0.001	0.16	7.67	20.3	570	1.39	0.15	2.69	0.51	40.1	40.3	143	4.02	143.0
YY09563		0.68	0.002	0.14	7.57	16.5	500	1.58	0.13	3.10	0.74	34.4	43.7	170	4.53	199.0
YY09564		0.71	<0.001	0.09	8.05	46.7	420	1.51	0.05	2.95	0.33	27.1	56.1	271	4.53	217
YY09565		0.65	0.004	0.13	7.84	25.9	510	1.34	0.14	2.90	0.37	36.4	47.9	209	3.18	170.5
YY09566		0.51	0.001	0.07	7.88	29.0	530	1.24	0.17	2.08	0.33	43.9	35.2	125	3.61	110.5
YY09567		0.47	0.002	0.04	8.65	36.5	400	1.19	0.09	1.58	0.23	33.5	50.6	172	3.87	158.0
YY09568		0.58	0.002	0.08	8.34	28.6	470	1.15	0.07	2.58	0.36	26.9	66.7	268	5.91	193.5
YY09569		0.70	0.004	0.14	8.11	21.0	340	0.91	0.09	2.76	0.28	20.4	115.0	240	4.23	527
YY09570		0.57	<0.001	0.05	7.52	13.8	490	1.46	0.05	5.66	0.19	20.4	61.7	619	6.37	170.5
YY09571		0.65	0.004	0.07	7.96	24.2	360	0.99	0.05	4.15	0.19	24.8	46.0	249	3.98	183.5
YY09572		0.78	0.006	0.13	7.81	64.6	220	0.80	0.06	4.35	0.86	23.0	54.1	189	2.21	225
YY09573		0.75	0.003	0.12	7.70	82.8	370	0.79	0.07	2.93	0.29	26.3	49.3	156	2.11	163.5
YY09574		0.69	0.003	0.10	7.86	56.0	320	0.80	0.05	2.46	0.33	26.6	47.3	183	2.38	144.0
YY09575		0.66	0.001	0.10	7.93	47.0	290	0.87	0.05	3.48	0.28	24.2	51.2	201	3.20	179.5
YY09576		0.68	0.003	0.05	7.54	12.0	350	1.00	0.05	4.71	0.10	19.10	48.6	449	4.21	147.0
YY09577		0.74	0.003	0.08	8.24	19.3	320	0.81	0.05	3.52	0.24	18.15	86.9	298	3.53	279
YY09578		0.66	0.003	0.12	8.69	29.9	300	1.05	0.07	1.55	0.23	35.6	60.5	219	5.44	226
YY09579		0.62	0.002	0.07	7.93	28.7	450	1.02	0.09	2.24	0.19	34.2	40.9	171	3.28	158.0
YY09580		0.68	0.003	0.12	8.09	44.6	540	1.21	0.12	2.00	0.26	39.9	46.6	209	4.75	173.0

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09541		6.49	15.95	0.12	1.3	0.076	0.78	18.1	17.8	3.10	1650	1.72	1.50	6.6	92.5	1540
YY09542		6.18	15.45	0.12	1.3	0.078	0.67	16.7	16.9	2.59	1400	1.74	1.40	6.4	83.6	1350
YY09543		8.01	17.30	0.13	1.2	0.162	0.55	25.7	17.8	2.23	2310	2.82	1.14	6.1	71.0	1810
YY09544		6.62	15.95	0.11	1.0	0.101	0.55	17.3	16.0	3.22	1940	1.31	1.51	5.6	93.8	1270
YY09545		6.89	15.20	0.10	1.0	0.077	0.57	11.6	15.5	2.73	1430	0.99	1.70	6.4	70.1	910
YY09546		7.04	16.75	0.12	1.2	0.116	0.65	14.4	19.1	2.63	1380	2.14	1.68	7.6	68.1	1510
YY09547		6.47	17.35	0.14	1.4	0.136	0.75	20.2	20.5	2.33	1260	2.41	1.73	8.6	63.5	1400
YY09548		6.71	17.45	0.12	1.2	0.099	0.76	18.9	17.4	2.51	1340	1.67	1.74	7.8	71.8	1260
YY09549		8.01	18.10	0.12	1.0	0.123	0.35	20.0	18.9	2.47	1920	1.52	1.75	6.7	81.9	1220
YY09550		5.87	16.60	0.13	1.4	0.072	1.03	18.1	17.2	2.57	1200	1.85	1.88	8.3	67.5	1610
YY09551		6.42	15.40	0.14	1.3	0.071	0.77	13.0	20.2	4.06	1520	1.30	1.60	6.2	125.5	1210
YY09552		5.42	18.45	0.12	1.3	0.073	0.59	13.1	12.5	1.10	851	1.32	1.18	6.6	34.1	2040
YY09553		6.26	16.95	0.15	1.6	0.080	0.90	23.0	18.5	2.16	1150	2.20	1.84	9.0	61.1	1300
YY09554		6.51	17.45	0.12	1.4	0.107	0.94	19.9	21.4	2.36	1190	2.42	1.66	8.3	71.3	1350
YY09555		6.50	11.70	0.07	0.8	0.048	0.69	6.4	7.5	2.91	1470	1.48	0.83	3.1	110.5	680
YY09556		8.63	15.25	0.07	0.9	0.058	0.78	7.7	11.8	2.29	2200	1.24	1.21	4.1	138.5	1200
YY09557		8.41	15.60	0.07	1.0	0.064	0.78	9.2	11.7	2.16	2060	1.13	1.29	4.7	124.5	1440
YY09558		6.92	16.55	0.07	1.5	0.070	0.80	15.4	15.9	1.75	1310	2.54	1.22	7.7	58.3	2190
YY09559		7.57	17.35	0.08	1.8	0.077	0.73	16.6	16.6	1.99	1510	2.53	1.52	8.0	60.4	1840
YY09560		8.25	17.60	0.09	2.0	0.079	0.55	19.1	17.3	2.08	1540	1.87	1.38	6.7	74.0	1060
YY09561		7.53	17.15	0.10	2.0	0.070	0.79	23.7	17.9	1.77	1660	2.44	1.42	7.9	68.9	1260
YY09562		6.50	16.80	0.08	1.5	0.070	1.07	18.9	16.6	2.28	1360	1.71	1.70	8.8	69.1	1480
YY09563		6.42	17.25	0.09	1.5	0.079	1.05	15.6	16.4	2.52	1260	1.70	1.62	7.9	79.1	1540
YY09564		7.81	16.85	0.08	1.3	0.072	0.92	11.5	12.2	2.93	1920	1.19	1.60	5.4	110.0	1720
YY09565		7.14	17.35	0.09	1.3	0.070	0.92	16.7	17.1	2.86	1380	2.16	1.59	7.5	98.4	1400
YY09566		6.78	17.40	0.09	1.6	0.070	0.97	19.2	19.6	1.97	1220	2.97	1.54	9.2	62.8	1630
YY09567		7.89	16.25	0.07	1.6	0.064	0.71	11.6	14.7	1.80	1600	1.38	1.41	5.7	78.8	1160
YY09568		8.82	16.00	0.09	1.1	0.063	0.90	12.5	13.2	2.07	2170	1.52	1.45	5.3	126.0	1470
YY09569		8.63	15.80	0.07	0.9	0.068	0.72	8.3	12.6	2.73	2130	1.22	1.42	4.4	127.0	1220
YY09570		7.34	14.35	0.08	1.3	0.064	1.04	9.0	10.2	2.64	1600	1.04	0.55	3.5	205	1810
YY09571		7.58	14.90	0.06	1.3	0.062	0.79	11.6	13.0	2.25	1500	1.07	0.92	4.3	95.5	1400
YY09572		8.58	17.15	0.08	1.5	0.074	0.25	10.1	22.6	1.95	1740	1.64	0.82	4.5	100.0	980
YY09573		8.26	16.35	0.08	1.6	0.076	0.36	12.1	26.0	1.29	1830	2.10	0.59	4.3	88.1	1080
YY09574		8.18	16.10	0.08	1.7	0.071	0.40	12.3	21.1	1.68	1660	1.76	0.82	5.0	85.9	1160
YY09575		7.66	16.20	0.08	1.4	0.067	0.56	10.8	16.8	2.10	1570	1.79	0.93	5.0	98.4	1240
YY09576		7.47	14.00	0.07	1.0	0.071	0.74	8.2	7.7	2.27	1410	0.74	0.69	3.5	153.5	1320
YY09577		8.46	15.70	0.05	0.9	0.061	0.69	7.3	11.9	3.36	1980	0.97	1.45	4.1	153.5	1150
YY09578		9.21	17.55	0.09	1.1	0.073	0.70	17.1	17.7	2.09	1780	1.58	1.30	5.8	90.4	1350
YY09579		7.45	15.65	0.07	1.5	0.069	0.79	15.3	14.8	1.99	1310	1.71	1.45	7.0	70.1	1280
YY09580		8.69	17.55	0.09	1.9	0.077	0.86	18.9	17.1	1.64	1640	2.46	1.27	7.9	77.5	1660

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09541		8.5	20.9	<0.002	0.04	1.54	33.3	1	1.0	341	0.39	<0.05	2.72	0.503	0.24	1.4
YY09542		8.5	24.1	<0.002	0.05	1.52	28.1	1	1.0	293	0.39	0.07	2.67	0.457	0.20	1.4
YY09543		9.8	22.5	<0.002	0.08	2.14	33.4	2	0.9	212	0.38	0.16	2.96	0.421	0.22	1.4
YY09544		30.3	10.2	<0.002	0.03	1.18	36.7	1	0.8	167.5	0.33	0.08	1.74	0.407	0.14	0.8
YY09545		18.2	10.6	<0.002	0.03	1.06	28.9	1	0.8	216	0.38	0.07	2.04	0.493	0.12	0.9
YY09546		11.2	13.0	<0.002	0.03	1.32	28.9	1	1.0	217	0.45	0.17	2.53	0.519	0.22	1.4
YY09547		10.5	16.8	<0.002	0.03	1.61	28.0	1	1.2	254	0.54	0.10	3.11	0.543	0.26	1.6
YY09548		11.4	16.8	<0.002	0.01	2.25	31.9	1	1.1	269	0.48	0.08	3.02	0.520	0.23	1.4
YY09549		12.5	9.7	<0.002	0.02	3.01	43.8	1	0.9	129.5	0.37	0.18	1.64	0.499	0.10	0.7
YY09550		8.9	21.7	<0.002	0.02	2.83	30.7	1	1.2	340	0.48	0.05	3.20	0.549	0.26	1.6
YY09551		6.7	12.3	<0.002	0.01	1.56	28.9	1	0.9	297	0.38	<0.05	2.14	0.491	0.19	1.1
YY09552		3.8	13.9	<0.002	0.01	2.17	32.6	1	1.0	103.5	0.34	<0.05	2.00	0.510	0.12	1.0
YY09553		8.4	28.1	<0.002	0.02	3.45	29.4	1	1.3	293	0.56	0.08	3.50	0.579	0.26	1.6
YY09554		11.8	21.2	<0.002	0.02	3.13	30.7	1	1.2	270	0.51	0.09	3.59	0.533	0.32	1.8
YY09555		3.8	24.6	<0.002	0.01	3.14	37.7	<1	0.4	240	0.18	<0.05	0.67	0.325	0.10	0.3
YY09556		3.7	14.0	<0.002	0.01	1.93	39.8	<1	0.5	156.5	0.22	<0.05	0.83	0.336	0.13	0.4
YY09557		3.9	16.4	<0.002	0.01	2.47	42.4	<1	0.6	188.5	0.25	<0.05	1.06	0.407	0.13	0.5
YY09558		8.0	34.0	<0.002	0.08	2.53	26.5	1	1.0	196.0	0.45	0.06	2.98	0.502	0.28	1.5
YY09559		10.5	27.8	<0.002	0.04	2.39	29.6	1	1.1	230	0.49	0.08	3.02	0.569	0.22	1.6
YY09560		7.2	19.5	<0.002	0.02	2.63	35.4	1	0.9	237	0.42	0.10	2.73	0.538	0.16	1.3
YY09561		8.3	26.4	<0.002	0.02	2.26	31.7	1	1.1	231	0.47	0.08	3.29	0.558	0.22	1.6
YY09562		9.8	30.7	<0.002	0.01	1.77	30.1	1	1.2	281	0.55	0.05	3.46	0.550	0.28	1.6
YY09563		9.4	24.3	<0.002	0.02	3.38	34.8	1	1.1	278	0.47	0.05	2.70	0.526	0.24	1.3
YY09564		5.9	17.0	<0.002	0.01	2.49	38.9	<1	0.7	235	0.28	<0.05	1.44	0.485	0.16	0.7
YY09565		8.7	20.2	<0.002	0.02	2.32	33.4	<1	1.1	281	0.44	0.06	2.76	0.500	0.23	1.3
YY09566		9.9	34.1	<0.002	0.04	2.28	26.0	1	1.2	245	0.58	0.06	3.80	0.569	0.34	1.8
YY09567		5.3	23.1	<0.002	0.04	3.66	28.8	1	0.8	187.0	0.30	0.08	1.86	0.469	0.13	0.8
YY09568		5.3	25.3	<0.002	0.02	2.74	41.6	<1	0.7	217	0.29	<0.05	1.65	0.429	0.16	0.7
YY09569		4.0	11.5	<0.002	0.03	1.63	38.2	<1	0.6	178.0	0.24	0.07	0.76	0.378	0.11	0.4
YY09570		5.6	31.4	<0.002	0.01	1.95	51.4	<1	0.6	132.5	0.17	<0.05	1.15	0.409	0.13	0.5
YY09571		3.2	21.2	<0.002	0.03	1.63	36.5	1	0.6	233	0.23	0.05	1.25	0.453	0.10	0.5
YY09572		3.0	6.0	<0.002	0.06	7.70	38.5	1	0.8	393	0.26	0.05	1.02	0.601	0.13	0.6
YY09573		3.6	8.5	<0.002	0.07	7.46	36.9	1	0.7	378	0.25	0.10	1.39	0.511	0.21	0.7
YY09574		3.2	12.5	<0.002	0.05	6.21	36.7	1	0.7	328	0.29	0.08	1.41	0.571	0.14	0.7
YY09575		3.3	13.5	<0.002	0.03	3.04	35.0	1	0.7	322	0.27	<0.05	1.16	0.555	0.12	0.5
YY09576		2.4	21.6	<0.002	0.01	0.92	41.3	<1	0.6	130.0	0.19	<0.05	1.00	0.393	0.09	0.4
YY09577		2.9	10.6	<0.002	0.02	2.14	37.6	<1	0.5	194.5	0.22	0.05	0.70	0.351	0.10	0.3
YY09578		3.5	20.6	<0.002	0.02	1.80	41.5	1	0.7	153.5	0.31	0.09	1.48	0.471	0.12	0.7
YY09579		5.8	26.0	<0.002	0.03	4.32	30.2	<1	0.9	226	0.41	0.06	2.29	0.518	0.18	1.2
YY09580		7.2	31.5	<0.002	0.03	3.46	37.3	<1	1.0	238	0.48	0.07	2.86	0.545	0.24	2.1

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09541		234	1.0	23.4	152	43.1
YY09542		213	1.1	21.1	118	44.4
YY09543		194	1.3	35.5	132	39.8
YY09544		223	0.9	27.2	973	29.9
YY09545		215	1.2	15.6	253	32.5
YY09546		216	1.6	21.2	181	41.3
YY09547		202	1.5	27.7	145	45.9
YY09548		206	1.5	27.9	161	41.9
YY09549		236	2.1	34.4	238	32.8
YY09550		229	0.9	23.9	126	48.5
YY09551		215	1.2	18.5	114	42.7
YY09552		239	2.9	20.6	64	46.6
YY09553		208	1.1	27.6	116	48.9
YY09554		214	1.2	28.6	163	46.5
YY09555		216	1.1	11.8	62	28.9
YY09556		274	0.8	16.1	97	32.3
YY09557		283	1.2	17.4	99	36.7
YY09558		214	1.0	17.5	121	62.3
YY09559		231	1.1	22.0	146	75.4
YY09560		235	1.3	29.7	144	65.2
YY09561		227	1.2	30.4	146	70.8
YY09562		230	1.0	24.1	129	46.6
YY09563		259	1.2	21.3	167	49.2
YY09564		311	1.5	17.9	107	41.4
YY09565		223	1.1	23.7	129	43.9
YY09566		214	1.1	22.2	128	58.6
YY09567		232	1.2	15.3	109	47.4
YY09568		282	1.4	20.5	128	36.6
YY09569		260	1.2	17.4	97	28.7
YY09570		311	1.0	16.3	82	41.8
YY09571		260	1.0	19.0	92	46.6
YY09572		271	3.1	25.5	221	54.0
YY09573		260	3.1	23.2	116	64.5
YY09574		253	2.6	24.7	131	52.5
YY09575		247	1.7	22.3	111	47.1
YY09576		265	0.7	14.7	75	34.7
YY09577		258	1.5	14.8	89	28.3
YY09578		240	1.6	27.3	93	38.2
YY09579		210	1.2	18.7	96	49.0
YY09580		228	1.3	27.4	123	60.5

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09581		0.52	<0.001	0.16	9.97	26.1	360	1.03	0.08	1.07	0.12	31.0	58.9	171	2.52	364
YY09582		0.63	0.005	0.13	8.02	27.7	550	1.62	0.17	2.61	0.38	39.0	55.4	194	5.15	185.5
YY09583		0.58	0.006	0.10	7.43	31.2	340	1.30	0.08	3.36	0.40	25.8	79.8	352	3.96	309
YY09584		0.56	0.002	0.08	8.01	55.9	370	1.32	0.05	3.03	0.29	25.1	67.4	420	5.49	197.0
YY09585		0.72	0.001	0.10	7.99	14.0	470	1.31	0.05	2.51	0.37	32.0	49.3	180	5.15	177.5
YY09586		0.63	0.005	0.09	8.69	19.5	480	1.36	0.05	2.19	0.27	34.7	48.7	149	6.10	164.5
YY09587		0.56	0.005	0.08	8.74	36.4	400	1.49	0.04	2.41	0.24	30.9	77.6	292	5.77	220
YY09588		0.72	0.002	0.07	8.02	30.0	390	0.90	0.05	2.30	0.32	18.65	87.4	282	5.94	233
YY09589		0.60	0.005	0.08	8.63	21.0	430	1.18	0.03	2.86	0.26	24.3	76.2	292	6.05	202
YY09590		0.49	0.008	0.08	8.04	23.9	350	1.05	0.06	4.12	0.21	22.4	56.5	252	4.72	236
YY09591		0.59	<0.001	0.09	8.10	42.6	430	0.88	0.04	3.53	0.19	29.5	35.0	127	4.03	106.5
YY09592		0.66	0.001	0.08	8.54	38.3	350	0.83	0.04	3.69	0.19	28.6	36.1	125	3.81	91.3
YY09593		0.63	0.008	0.17	7.45	95.3	370	0.82	0.08	2.21	0.67	31.9	55.4	172	2.04	195.5
YY09594		0.68	0.004	0.17	6.59	143.0	200	0.68	0.05	4.85	0.47	26.0	57.1	186	1.66	168.0
YY09595		0.66	<0.001	0.10	7.63	31.7	170	0.77	0.04	4.50	0.34	25.8	47.2	225	2.76	142.0
YY09596		0.74	0.004	0.11	8.21	16.5	100	0.50	0.04	5.68	0.36	17.65	51.4	184	2.28	235
YY09597		0.72	0.006	0.13	7.94	19.2	230	0.72	0.07	4.26	0.62	25.8	51.8	186	1.83	315
YY09598		0.70	0.005	0.14	7.61	39.1	110	0.54	0.05	3.74	0.49	23.3	62.8	215	2.38	293
YY09599		0.60	0.004	0.89	7.29	29.0	90	0.44	0.04	5.83	1.14	16.60	58.8	171	2.55	1875
YY09600		0.72	0.004	0.09	7.89	20.1	110	0.55	0.05	5.50	0.48	16.15	83.6	184	1.91	460
YY09601		0.66	0.015	0.09	7.71	12.4	150	0.83	0.07	2.65	0.65	24.3	53.2	321	1.43	178.5
YY09602		0.63	0.003	0.17	6.38	96.2	140	0.58	0.06	6.79	0.39	23.0	50.5	147	1.55	168.0
YY09603		0.68	0.007	0.13	7.07	85.5	340	0.60	0.05	4.41	0.39	26.0	46.3	146	2.10	147.0
YY09604		0.59	0.004	0.07	8.35	38.5	330	0.77	0.03	3.70	0.15	25.2	35.7	113	4.07	86.7
YY09605		0.66	0.007	0.09	8.15	21.4	430	1.07	0.04	4.71	0.16	23.3	45.2	180	4.45	180.0
YY09606		0.49	0.005	0.08	8.45	11.4	430	1.49	0.05	3.79	0.29	26.9	49.2	287	4.49	226
YY09607		0.62	0.004	0.08	8.15	10.0	330	0.97	0.02	4.84	0.34	14.40	74.7	251	2.80	167.0
YY09608		0.52	0.002	0.07	8.48	14.4	440	1.44	0.03	3.97	0.27	19.95	58.3	231	4.60	215
YY09609		0.63	0.044	0.09	8.12	18.5	390	1.04	0.05	2.81	0.34	28.1	90.7	156	4.69	282
YY09610		0.63	0.007	0.11	7.86	20.0	490	1.82	0.06	5.01	0.39	20.6	94.9	126	2.34	440
YY09611		0.64	0.008	0.12	8.24	14.1	440	1.25	0.10	2.90	0.34	33.6	61.1	120	3.89	234
YY09612		0.55	0.003	0.13	8.47	17.8	500	1.59	0.09	1.81	0.26	40.4	47.6	122	5.05	195.0
YY09613		0.52	0.003	0.05	8.06	12.8	500	1.17	0.09	3.31	0.25	44.6	30.2	117	1.81	106.5
YY09614		0.43	0.006	0.09	8.60	18.4	490	1.42	0.08	2.40	0.22	37.8	36.4	134	4.29	182.0
YY09615		0.54	0.006	0.07	8.06	14.3	490	1.44	0.12	2.66	0.21	47.0	32.3	109	3.12	106.0
YY09616		0.53	0.016	0.10	7.84	17.1	440	1.17	0.09	2.87	0.17	41.2	45.9	130	2.13	153.5
YY09617		0.58	0.008	0.13	7.78	30.7	460	1.31	0.10	3.38	0.26	40.2	52.8	118	1.92	224
YY09618		0.59	0.004	0.03	8.25	7.2	230	0.64	0.01	4.91	0.05	5.07	52.3	653	2.25	87.0
YY09619		0.51	0.005	0.05	8.39	26.0	380	1.17	0.05	2.37	0.18	24.9	64.0	75	4.88	142.0
YY09620		0.66	0.004	0.06	8.20	23.7	350	0.81	0.03	4.22	0.40	18.30	83.2	213	3.45	238

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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09581		7.69	18.85	0.08	0.8	0.063	1.27	12.8	18.3	1.54	1440	1.26	0.80	7.0	82.6	1770
YY09582		7.73	18.25	0.09	1.4	0.071	1.04	17.6	18.7	2.56	1620	2.53	1.56	8.8	103.0	1530
YY09583		8.20	16.65	0.08	1.2	0.073	0.83	11.1	17.6	3.72	2020	1.86	1.59	5.8	145.0	1410
YY09584		8.10	16.75	0.08	1.3	0.064	0.89	9.8	12.7	3.31	2080	1.30	1.45	5.0	157.0	1640
YY09585		7.98	17.15	0.08	1.3	0.072	1.07	12.7	12.4	2.17	2280	1.23	1.50	6.1	78.4	1900
YY09586		8.07	18.10	0.09	1.3	0.071	1.18	14.5	14.7	1.66	2090	1.44	1.46	6.7	69.6	2040
YY09587		9.16	16.85	0.08	1.2	0.068	0.87	14.1	13.1	1.29	2690	1.57	1.07	4.9	139.0	1450
YY09588		9.22	15.05	0.06	0.9	0.060	0.80	8.0	13.7	2.40	2470	1.36	1.24	4.2	139.0	1070
YY09589		8.70	16.35	0.07	1.1	0.069	0.75	10.2	10.7	1.73	2310	1.15	1.17	4.8	125.5	1590
YY09590		7.76	15.60	0.07	1.2	0.067	0.80	9.8	12.1	2.54	1610	1.11	1.07	4.5	104.0	1420
YY09591		7.00	13.55	0.06	1.2	0.064	0.92	13.8	14.7	1.67	1410	1.78	1.02	4.6	60.9	1500
YY09592		7.23	15.00	0.06	1.4	0.068	0.68	12.6	19.6	1.51	1500	1.44	0.71	5.0	59.1	1410
YY09593		9.95	13.80	0.06	1.5	0.079	0.30	15.2	25.1	1.60	2440	2.66	0.61	3.7	100.5	1090
YY09594		7.77	12.60	0.06	1.6	0.073	0.22	11.3	23.0	2.20	1760	6.01	0.56	3.9	121.0	990
YY09595		8.40	14.55	0.06	1.9	0.083	0.22	10.6	15.0	2.18	1520	1.81	0.89	5.1	105.0	1090
YY09596		8.30	14.55	0.06	1.0	0.061	0.22	7.2	9.1	4.26	1650	1.10	1.88	3.4	89.3	730
YY09597		7.74	16.00	0.06	1.4	0.075	0.42	10.4	10.4	4.02	1440	1.34	1.83	5.6	82.1	900
YY09598		8.59	15.85	0.06	1.6	0.070	0.21	9.3	10.5	5.05	1400	1.07	1.52	4.0	106.5	790
YY09599		8.69	13.50	<0.05	1.2	0.069	0.20	7.2	8.1	3.88	1570	1.53	1.54	3.1	86.6	740
YY09600		8.21	14.35	0.05	0.9	0.061	0.21	6.5	8.4	4.29	2020	1.77	1.70	3.1	90.5	640
YY09601		8.98	16.05	0.05	1.4	0.080	0.25	8.9	12.5	3.60	1700	1.37	1.53	5.7	121.5	1150
YY09602		7.00	11.55	0.05	1.5	0.065	0.25	9.9	23.2	1.99	1360	5.59	0.37	3.8	107.5	1040
YY09603		7.68	12.75	0.05	1.3	0.063	0.30	11.6	25.2	1.55	1760	2.28	0.45	3.2	81.0	970
YY09604		7.20	14.50	0.05	1.3	0.065	0.71	10.8	17.3	1.60	1520	1.25	0.69	5.2	51.8	1420
YY09605		7.32	14.30	0.05	1.2	0.065	0.97	9.9	13.7	2.03	1470	1.04	0.97	3.9	77.8	1400
YY09606		7.50	15.40	0.05	1.2	0.067	0.95	11.3	10.5	2.51	1600	1.21	0.87	4.3	97.3	1720
YY09607		7.85	12.85	<0.05	0.8	0.053	0.84	5.8	11.7	2.13	1940	0.76	1.36	3.3	144.5	880
YY09608		8.43	14.80	0.05	1.1	0.063	1.02	7.8	9.9	1.25	2020	1.20	0.86	5.1	122.5	1720
YY09609		8.07	15.55	0.06	1.1	0.074	0.79	10.5	12.9	2.33	2770	1.60	1.73	5.1	71.0	1320
YY09610		8.04	16.60	0.05	1.0	0.065	0.69	8.1	12.0	3.08	3130	1.53	1.17	4.8	60.3	1590
YY09611		7.99	16.40	0.06	1.1	0.079	0.89	13.8	15.1	2.26	1940	1.88	1.79	6.5	65.7	1560
YY09612		8.30	17.80	0.07	1.4	0.087	1.15	18.1	14.9	1.75	2040	1.92	1.49	7.0	64.5	1910
YY09613		6.18	15.90	0.07	1.5	0.072	0.99	20.1	14.9	2.13	1070	1.28	2.09	9.3	53.5	1520
YY09614		7.35	16.85	0.07	1.4	0.077	0.98	17.3	16.1	1.82	1200	1.40	1.67	7.4	62.3	1700
YY09615		6.53	16.55	0.08	1.5	0.078	0.90	20.7	17.3	1.97	1230	2.05	1.81	9.5	50.5	1490
YY09616		7.41	15.80	0.08	1.3	0.077	0.89	19.2	15.9	2.12	1770	1.69	1.69	8.1	62.9	1490
YY09617		6.53	16.10	0.08	1.4	0.076	0.93	18.6	16.3	2.16	1240	1.85	1.97	8.6	58.8	1550
YY09618		6.99	11.40	<0.05	0.4	0.043	1.28	2.2	6.0	1.97	1140	0.47	0.52	1.7	225	310
YY09619		9.16	16.80	0.06	1.0	0.077	0.59	9.8	10.1	1.09	2630	1.95	1.49	5.3	40.9	1760
YY09620		8.11	14.30	<0.05	0.8	0.059	0.78	7.2	11.9	2.29	2160	1.24	1.19	3.6	115.0	1200

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09581		3.7	27.1	<0.002	0.01	10.85	40.2	1	0.7	92.3	0.39	0.06	1.48	0.424	0.19	0.7
YY09582		10.2	24.9	<0.002	0.02	2.07	34.8	1	1.2	267	0.54	0.06	3.30	0.531	0.29	1.6
YY09583		7.5	10.7	<0.002	0.02	2.50	34.2	<1	0.8	267	0.32	0.05	1.39	0.508	0.14	0.8
YY09584		5.1	15.0	<0.002	0.01	2.24	39.1	<1	0.7	215	0.25	<0.05	1.12	0.478	0.15	0.5
YY09585		5.6	23.9	<0.002	0.01	1.27	36.3	1	0.8	244	0.32	<0.05	1.52	0.521	0.15	0.7
YY09586		5.2	35.4	<0.002	0.01	1.95	40.3	<1	0.8	237	0.35	<0.05	1.71	0.522	0.17	0.7
YY09587		3.7	23.3	<0.002	0.02	2.48	49.1	1	0.6	155.5	0.27	<0.05	1.30	0.438	0.12	0.6
YY09588		4.5	16.6	<0.002	0.02	1.71	44.0	1	0.5	152.0	0.23	0.05	1.03	0.344	0.15	0.5
YY09589		3.4	20.7	<0.002	0.01	3.01	45.8	1	0.6	160.5	0.25	<0.05	1.15	0.431	0.12	0.5
YY09590		3.9	16.0	<0.002	0.03	1.30	36.6	<1	0.6	192.0	0.23	0.05	1.12	0.439	0.11	0.5
YY09591		4.9	22.2	<0.002	0.04	1.53	27.7	1	0.7	201	0.26	0.05	1.41	0.466	0.13	0.6
YY09592		2.6	18.7	<0.002	0.03	3.26	30.8	1	0.7	223	0.27	<0.05	1.38	0.491	0.13	0.5
YY09593		4.0	9.0	<0.002	0.07	6.31	40.2	1	0.7	501	0.21	0.14	1.56	0.482	0.19	0.8
YY09594		3.8	7.1	<0.002	0.04	8.36	32.4	1	0.7	687	0.22	0.08	1.36	0.501	0.31	0.8
YY09595		2.3	7.0	<0.002	0.04	2.36	36.7	1	0.8	392	0.31	<0.05	1.02	0.702	0.10	0.5
YY09596		1.3	2.7	<0.002	0.04	1.84	35.2	<1	0.6	241	0.19	0.06	0.66	0.461	0.04	0.3
YY09597		3.7	4.8	<0.002	0.02	2.44	29.9	1	1.0	293	0.37	0.05	1.48	0.676	0.11	0.8
YY09598		2.2	4.9	<0.002	0.13	2.63	35.6	1	0.7	219	0.23	0.07	0.93	0.586	0.06	0.5
YY09599		1.1	4.2	<0.002	0.07	4.52	33.1	2	0.5	222	0.17	0.08	0.74	0.373	0.04	0.3
YY09600		1.6	2.8	<0.002	0.01	1.92	35.4	1	0.5	326	0.18	0.07	0.80	0.384	0.04	0.3
YY09601		3.1	2.3	<0.002	0.03	0.91	33.6	1	0.8	215	0.32	<0.05	0.94	0.749	0.07	0.5
YY09602		3.8	7.3	<0.002	0.06	6.64	27.1	1	0.6	727	0.22	0.11	1.31	0.441	0.23	0.9
YY09603		3.1	8.2	<0.002	0.05	6.61	32.1	1	0.6	505	0.18	0.11	1.36	0.459	0.19	0.7
YY09604		2.0	15.9	<0.002	0.05	2.73	30.9	1	0.6	185.0	0.29	<0.05	1.17	0.473	0.13	0.5
YY09605		3.1	16.3	<0.002	0.03	1.03	31.9	1	0.6	183.5	0.20	0.05	1.14	0.406	0.12	0.5
YY09606		4.3	21.5	<0.002	0.02	0.89	39.8	1	0.7	152.5	0.21	<0.05	1.37	0.439	0.09	0.6
YY09607		3.1	13.7	<0.002	0.01	1.03	37.5	1	0.3	194.5	0.16	<0.05	0.61	0.298	0.10	0.3
YY09608		4.9	20.7	<0.002	0.01	1.71	41.9	<1	0.5	125.5	0.23	<0.05	1.11	0.383	0.13	0.4
YY09609		4.1	15.5	<0.002	0.01	1.57	38.0	1	0.7	233	0.27	<0.05	1.18	0.422	0.11	0.6
YY09610		9.4	6.8	<0.002	0.01	0.79	31.8	<1	0.7	433	0.25	<0.05	1.13	0.392	0.13	0.7
YY09611		6.6	15.9	<0.002	0.02	1.46	34.7	1	0.9	270	0.37	0.07	1.85	0.494	0.16	0.9
YY09612		7.0	28.0	<0.002	0.02	1.27	38.5	1	1.0	189.0	0.41	<0.05	2.06	0.603	0.20	0.9
YY09613		6.7	24.1	<0.002	0.02	1.47	26.0	1	1.1	364	0.58	<0.05	3.16	0.687	0.20	1.4
YY09614		5.7	25.5	<0.002	0.03	1.79	32.3	1	1.0	281	0.42	<0.05	2.40	0.578	0.19	1.1
YY09615		7.6	29.0	<0.002	0.05	1.49	28.1	1	1.2	293	0.58	<0.05	3.43	0.672	0.24	1.5
YY09616		5.6	17.0	<0.002	0.02	1.33	31.7	1	0.9	286	0.47	0.06	2.36	0.589	0.19	1.1
YY09617		6.8	21.0	<0.002	0.02	1.52	26.4	1	1.1	354	0.52	0.05	2.76	0.641	0.21	1.4
YY09618		1.0	20.6	<0.002	<0.01	0.67	39.7	<1	0.2	60.5	0.09	0.05	0.23	0.158	0.13	0.1
YY09619		2.7	11.3	<0.002	0.01	1.07	38.0	<1	1.0	156.0	0.28	<0.05	1.08	0.440	0.17	0.4
YY09620		3.5	12.9	<0.002	0.01	1.13	36.8	1	0.4	171.5	0.19	0.05	0.79	0.333	0.10	0.3

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09581		238	1.9	18.6	68	29.3
YY09582		250	1.0	23.2	148	47.4
YY09583		312	1.7	16.6	118	43.2
YY09584		320	1.8	16.2	98	42.3
YY09585		297	0.9	20.7	111	42.3
YY09586		310	1.3	22.6	114	44.9
YY09587		335	1.3	22.1	106	40.5
YY09588		284	1.3	16.3	108	30.2
YY09589		301	1.3	18.2	99	37.8
YY09590		270	0.8	17.2	91	38.1
YY09591		219	1.1	20.2	97	40.3
YY09592		216	2.2	20.5	98	49.4
YY09593		310	3.2	28.1	189	41.9
YY09594		251	3.9	25.2	131	52.5
YY09595		268	4.7	28.0	132	70.5
YY09596		241	1.5	19.4	116	33.3
YY09597		241	1.2	22.0	164	44.7
YY09598		245	1.0	23.9	142	60.0
YY09599		210	1.8	18.3	286	30.8
YY09600		236	1.3	16.2	133	31.5
YY09601		259	0.8	23.1	203	46.3
YY09602		225	3.4	21.4	108	47.8
YY09603		246	3.8	21.2	127	54.6
YY09604		208	1.8	18.9	89	46.7
YY09605		251	0.8	16.6	88	34.5
YY09606		307	0.7	16.3	97	40.2
YY09607		242	0.6	12.2	84	27.5
YY09608		315	1.1	14.5	97	40.4
YY09609		286	1.2	18.5	104	39.5
YY09610		276	0.6	12.6	95	36.2
YY09611		274	0.9	20.6	111	37.4
YY09612		299	0.9	28.6	120	41.5
YY09613		230	0.9	21.9	96	51.1
YY09614		268	1.3	22.9	105	46.3
YY09615		234	0.9	22.4	104	49.8
YY09616		248	0.8	25.1	104	43.9
YY09617		228	1.0	22.9	104	47.0
YY09618		231	0.6	7.1	72	12.6
YY09619		272	1.3	19.1	99	33.5
YY09620		270	1.3	14.0	104	25.1

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North Vancouver BC V7H 0A7
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09621		0.55	<0.001	0.05	7.34	4.4	90	0.82	0.02	6.05	0.36	19.15	26.4	99	5.41	109.0
YY09622		0.59	0.007	0.14	8.97	30.6	420	1.55	0.05	2.37	0.61	28.4	93.1	72	6.03	403
YY09623		0.45	0.005	0.07	7.84	23.7	500	1.17	0.10	2.76	0.20	42.8	37.6	115	3.99	125.0
YY09624		0.53	0.004	0.09	7.97	14.4	480	1.21	0.08	3.07	0.21	41.9	36.6	113	2.20	120.5
YY09625		0.54	0.009	0.07	8.00	18.2	470	1.26	0.09	2.83	0.24	42.3	36.9	101	2.29	140.5
YY09626		0.55	0.017	0.08	7.86	17.1	510	1.29	0.11	3.21	0.30	49.8	31.8	111	1.61	115.0
YY09627		0.58	0.011	0.07	7.25	16.0	470	1.21	0.09	3.05	0.24	37.6	28.1	104	1.57	92.7
YY09628		0.60	0.008	0.08	7.56	15.7	440	1.31	0.08	2.98	0.26	32.5	34.4	125	1.87	128.0
YY09629		0.51	0.008	0.09	8.38	18.1	430	1.19	0.07	2.02	0.16	25.8	57.2	170	5.20	127.0
YY09630		0.50	0.009	0.09	8.28	16.2	500	1.44	0.10	2.16	0.17	40.2	35.5	85	4.10	133.5
YY09631		0.69	0.005	0.11	8.05	13.2	480	1.56	0.07	1.78	0.28	27.1	47.6	248	4.21	172.5
YY09632		0.64	0.009	0.07	7.72	16.0	330	0.77	0.04	5.77	0.13	21.5	46.2	223	5.36	177.0
YY09633		0.48	0.003	0.06	7.83	17.0	450	1.04	0.04	4.30	0.17	26.9	31.8	108	3.82	95.9
YY09634		0.68	0.008	0.07	7.60	41.9	440	0.96	0.04	3.96	0.14	21.8	36.7	104	3.27	99.4
YY09635		0.60	0.002	0.09	6.43	94.4	160	0.64	0.03	6.54	0.23	18.10	50.0	161	2.13	130.0
YY09636		0.56	0.002	0.07	7.02	15.5	120	0.78	0.03	5.99	0.26	21.5	45.2	210	2.09	126.5
YY09637		0.64	0.003	0.18	7.84	19.5	450	1.21	0.17	3.03	0.66	32.1	46.4	180	4.21	263
YY09638		0.67	0.005	0.13	7.53	20.3	110	0.61	0.05	4.27	1.23	17.05	75.4	228	1.70	448
YY09639		0.63	0.007	0.07	7.99	15.4	290	1.00	0.09	2.69	0.23	27.1	69.3	186	3.59	136.0
YY09640		0.68	0.033	0.32	7.85	26.5	220	0.92	0.10	3.08	0.44	26.7	72.7	240	3.49	953
YY09641		0.78	0.006	0.15	7.81	14.8	140	0.53	0.08	4.63	0.52	18.25	62.9	165	3.08	499
YY09642		0.56	0.001	0.05	7.43	10.0	120	0.82	0.03	3.51	0.42	18.65	48.2	295	1.49	130.5
YY09643		0.76	0.027	0.17	7.39	21.5	200	0.86	0.10	5.01	0.84	26.9	81.4	325	1.65	470
YY09644		0.75	0.038	0.11	7.24	27.4	180	0.61	0.07	4.69	0.57	24.2	88.6	245	2.05	426
YY09645		0.78	0.014	0.19	7.63	18.9	290	0.92	0.14	4.67	0.45	25.6	78.3	274	2.25	252
YY09646		0.54	0.003	0.04	10.20	7.7	110	1.00	0.03	1.17	0.07	18.00	29.2	177	1.19	113.0
YY09647		0.76	0.039	0.12	6.79	83.5	970	0.76	0.08	2.37	0.22	34.9	75.7	37	1.01	195.5
YY09648		0.76	0.005	0.09	7.36	16.3	550	1.31	0.15	3.21	0.35	44.7	33.2	144	1.85	93.2
YY09649		0.66	0.003	0.10	7.54	13.6	540	1.44	0.15	3.19	0.36	42.8	34.1	143	2.03	104.0
YY09650		0.73	0.015	0.10	7.57	15.7	540	1.16	0.10	2.87	0.25	38.6	35.8	117	2.19	115.5
YY09651		0.59	0.005	0.08	7.47	12.9	460	1.05	0.07	3.12	0.21	33.7	32.1	146	1.93	110.5
YY09652		0.62	0.007	0.08	7.14	12.1	330	1.31	0.06	2.84	0.25	35.4	50.4	409	3.05	153.5
YY09653		0.52	0.010	0.09	7.14	10.4	360	1.20	0.06	2.49	0.30	26.5	46.0	341	4.04	248
YY09654		0.48	0.001	0.08	7.49	59.7	500	1.89	0.05	2.44	0.16	28.7	47.1	222	5.78	145.5
YY09655		0.53	0.005	0.10	8.11	23.3	360	0.88	0.05	2.50	0.18	17.50	57.1	424	5.24	166.5
YY09656		0.59	0.004	0.08	7.25	36.2	470	0.88	0.06	2.51	0.26	35.5	51.7	88	2.03	79.9
YY09657		0.62	<0.001	0.08	8.10	15.0	140	1.19	0.06	1.33	0.24	33.5	49.7	151	1.27	140.5
YY09658		0.57	0.002	0.03	7.91	3.5	20	0.71	0.01	2.25	0.05	13.50	47.7	223	0.83	63.7
YY09659		0.69	0.006	0.12	7.45	47.2	220	0.63	0.10	4.26	0.74	30.3	67.9	114	2.27	326
YY09660		0.62	0.006	0.08	7.57	42.6	210	0.67	0.08	4.58	0.28	26.2	92.2	275	2.66	338

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
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Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09621		7.50	14.85	<0.05	1.0	0.054	0.20	7.8	6.5	0.74	1320	0.74	1.88	2.9	35.5	1410
YY09622		8.47	17.25	0.06	1.1	0.062	0.72	11.0	17.0	1.72	2700	1.69	0.96	5.0	50.5	2200
YY09623		6.67	15.85	0.07	1.4	0.071	0.90	20.1	15.8	1.85	1320	1.78	1.82	8.5	53.0	1410
YY09624		6.40	15.75	0.07	1.4	0.069	0.90	19.1	14.6	2.23	1440	1.35	1.86	8.3	50.1	1560
YY09625		6.56	16.25	0.08	1.5	0.075	0.91	19.2	15.6	1.98	1240	1.45	1.89	8.9	49.6	1630
YY09626		6.22	16.00	0.08	1.6	0.078	0.99	22.8	15.9	2.13	1120	1.78	2.04	10.2	51.3	1700
YY09627		5.76	14.60	0.11	1.3	0.064	0.87	18.2	14.6	1.91	1020	1.65	1.91	9.1	47.6	1550
YY09628		6.20	15.15	0.12	1.3	0.068	0.86	14.9	14.0	2.05	1150	1.27	1.79	7.7	51.7	1600
YY09629		8.41	15.75	0.12	1.2	0.066	0.76	12.9	14.1	1.53	2040	2.12	1.20	5.7	72.6	1320
YY09630		7.09	16.75	0.13	1.2	0.075	0.85	18.5	16.9	1.62	1370	1.92	1.70	7.6	43.8	1460
YY09631		8.70	16.85	0.11	1.2	0.064	0.93	12.6	16.3	1.91	1800	1.54	0.97	5.0	95.9	1540
YY09632		6.95	13.45	0.11	1.1	0.052	0.75	9.6	12.3	2.45	1360	0.83	0.91	3.8	92.7	1230
YY09633		6.50	14.85	0.11	1.2	0.055	0.97	12.6	16.3	1.58	1340	1.14	0.94	4.7	48.4	1550
YY09634		6.33	15.30	0.11	1.3	0.058	0.69	9.4	19.4	1.56	1480	1.34	0.66	5.3	59.1	1380
YY09635		6.86	12.30	0.11	1.5	0.059	0.19	7.5	22.9	2.03	1520	2.44	0.40	3.5	103.0	900
YY09636		7.95	14.45	0.11	1.9	0.072	0.18	9.1	10.5	2.31	1460	1.28	1.03	5.2	91.2	970
YY09637		7.39	17.35	0.12	1.5	0.076	0.80	14.9	20.3	3.51	1380	2.83	1.46	7.4	84.1	970
YY09638		8.51	14.90	0.10	1.0	0.055	0.22	6.9	10.8	4.31	1840	2.11	1.59	3.8	100.5	720
YY09639		9.55	18.90	0.13	1.8	0.078	0.49	10.7	14.4	4.01	1560	3.83	1.68	6.5	74.8	1030
YY09640		9.73	17.50	0.12	1.4	0.103	0.38	11.6	13.6	4.34	2000	5.00	1.35	5.3	111.5	900
YY09641		8.11	15.35	0.10	1.0	0.061	0.26	7.4	9.3	4.05	1800	1.89	1.12	4.1	85.4	750
YY09642		8.15	16.00	0.10	1.6	0.073	0.12	7.0	8.6	2.81	1600	0.83	1.21	5.6	109.0	1120
YY09643		8.92	16.15	0.11	1.5	0.078	0.36	11.6	10.2	4.26	1800	3.71	1.54	5.9	137.0	1150
YY09644		8.69	14.85	0.11	1.4	0.083	0.33	10.6	10.1	4.13	2010	3.37	1.51	4.6	119.5	870
YY09645		7.67	18.25	0.11	1.5	0.074	0.52	10.7	13.9	3.81	1500	3.57	1.31	6.1	102.5	820
YY09646		5.50	22.5	0.10	2.0	0.079	0.27	6.8	12.8	0.67	960	0.81	0.15	7.8	46.2	1370
YY09647		9.81	13.65	0.11	1.2	0.077	0.25	16.6	34.6	1.05	4920	3.11	0.05	3.1	64.4	1080
YY09648		6.29	16.95	0.13	1.6	0.073	1.00	20.2	16.5	2.42	1160	2.08	1.93	10.8	61.7	1580
YY09649		6.15	16.45	0.13	1.5	0.072	1.04	19.6	16.6	2.40	1200	1.93	1.81	10.2	63.1	1410
YY09650		6.28	15.50	0.13	1.4	0.066	0.95	18.8	15.1	1.94	1260	1.56	1.85	8.7	56.1	1330
YY09651		6.23	15.30	0.13	1.3	0.068	0.85	15.4	12.9	2.20	1230	1.40	2.01	8.2	52.7	1410
YY09652		6.95	15.15	0.12	1.5	0.067	0.73	17.5	17.7	4.25	1620	1.28	1.20	6.3	184.5	1440
YY09653		7.74	14.90	0.12	1.0	0.067	0.74	10.1	13.2	2.53	1850	1.38	1.18	4.5	83.4	1330
YY09654		8.07	16.30	0.12	1.3	0.069	1.39	13.1	10.4	2.35	1810	1.54	1.46	5.6	91.1	1670
YY09655		8.19	13.50	0.10	0.8	0.055	0.64	8.2	12.8	1.92	1510	0.99	0.58	3.5	177.0	830
YY09656		10.35	13.70	0.12	1.1	0.080	0.39	16.5	30.5	0.94	3260	1.31	0.17	4.6	92.7	1610
YY09657		8.66	18.95	0.11	1.4	0.114	0.19	14.7	8.6	2.06	1620	1.92	1.66	9.5	89.9	1260
YY09658		8.66	17.75	0.10	2.2	0.094	0.05	4.4	8.8	3.19	1210	0.48	0.02	4.9	65.2	870
YY09659		7.69	16.85	0.07	1.0	0.073	0.38	13.7	10.2	2.96	1780	3.30	1.60	5.8	68.0	890
YY09660		8.23	16.60	0.06	1.2	0.066	0.38	11.5	11.2	4.09	1950	3.09	1.49	5.2	151.5	750

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09621		2.3	6.8	<0.002	<0.01	0.18	32.3	<1	0.5	88.9	0.16	<0.05	1.17	0.427	0.03	0.4
YY09622		7.8	13.6	<0.002	0.02	1.54	29.1	1	0.7	177.5	0.25	<0.05	1.30	0.472	0.14	0.5
YY09623		6.6	28.3	<0.002	0.04	1.33	28.1	1	1.0	295	0.51	0.06	3.08	0.618	0.21	1.4
YY09624		5.7	23.9	<0.002	0.02	1.20	29.4	1	1.0	315	0.51	<0.05	2.89	0.597	0.21	1.3
YY09625		6.6	24.6	<0.002	0.02	1.13	30.4	1	1.1	308	0.53	<0.05	2.89	0.634	0.19	1.4
YY09626		7.4	25.1	<0.002	0.02	1.32	27.6	1	1.2	346	0.63	0.05	3.80	0.718	0.23	1.7
YY09627		7.1	20.2	<0.002	0.02	1.32	24.7	1	1.0	312	0.54	<0.05	2.77	0.680	0.18	1.3
YY09628		6.3	17.2	<0.002	0.02	1.04	28.5	1	0.9	300	0.46	<0.05	2.20	0.608	0.17	1.0
YY09629		4.1	22.3	<0.002	0.02	1.23	42.2	1	0.8	168.0	0.33	<0.05	1.74	0.456	0.16	0.8
YY09630		6.7	26.7	<0.002	0.04	1.28	31.9	1	1.0	252	0.43	0.05	2.53	0.565	0.23	1.1
YY09631		6.0	14.6	<0.002	0.02	1.78	43.0	1	0.8	151.0	0.27	<0.05	1.48	0.507	0.15	0.8
YY09632		2.3	19.9	<0.002	0.03	0.64	33.5	<1	0.5	179.5	0.19	<0.05	0.98	0.388	0.08	0.4
YY09633		3.3	20.7	<0.002	0.03	1.09	27.2	1	0.7	179.5	0.24	<0.05	1.33	0.425	0.12	0.5
YY09634		2.6	9.9	<0.002	0.03	2.97	27.9	1	0.7	213	0.26	<0.05	1.16	0.464	0.16	0.5
YY09635		2.0	5.3	<0.002	0.05	5.01	32.3	1	0.6	570	0.20	<0.05	0.74	0.543	0.13	0.5
YY09636		1.8	4.6	<0.002	0.04	0.95	36.9	1	0.8	178.0	0.29	<0.05	0.80	0.756	0.04	0.4
YY09637		8.2	19.4	<0.002	0.02	1.86	31.3	1	1.2	243	0.45	0.05	2.87	0.656	0.31	1.4
YY09638		1.8	3.0	<0.002	0.01	2.48	37.5	<1	0.6	268	0.21	<0.05	0.95	0.446	0.04	0.4
YY09639		5.2	8.5	<0.002	0.02	1.53	37.6	1	1.2	212	0.40	<0.05	1.79	0.836	0.15	1.0
YY09640		4.9	7.6	<0.002	0.03	1.60	40.3	2	1.0	216	0.31	0.05	1.51	0.618	0.12	0.8
YY09641		3.0	4.0	<0.002	0.02	1.07	36.5	1	0.6	342	0.23	0.09	1.10	0.391	0.06	0.5
YY09642		1.5	1.3	<0.002	0.02	0.49	35.5	1	0.8	134.5	0.32	<0.05	0.60	0.800	0.03	0.3
YY09643		4.4	7.5	<0.002	0.02	1.86	37.4	1	0.9	369	0.33	0.05	1.77	0.609	0.11	0.9
YY09644		3.6	8.9	<0.002	0.02	1.82	43.3	1	0.7	311	0.27	0.08	1.69	0.464	0.09	0.7
YY09645		8.3	8.9	<0.002	0.05	1.46	26.6	1	1.0	337	0.37	<0.05	1.90	0.618	0.16	1.0
YY09646		1.6	2.8	<0.002	0.01	0.69	40.2	1	1.1	28.1	0.46	<0.05	1.07	0.986	0.04	0.4
YY09647		3.2	8.9	<0.002	0.03	4.08	41.4	1	0.7	692	0.16	0.12	1.71	0.352	0.14	0.7
YY09648		8.9	17.9	<0.002	0.02	1.59	26.6	1	1.4	321	0.63	0.05	3.36	0.751	0.25	1.7
YY09649		10.0	21.4	<0.002	0.01	1.46	26.3	1	1.3	322	0.59	<0.05	3.39	0.703	0.26	1.6
YY09650		7.1	25.1	<0.002	0.01	1.30	27.0	1	1.1	305	0.54	<0.05	2.94	0.617	0.21	1.3
YY09651		5.6	16.5	<0.002	0.01	1.13	25.8	1	1.0	321	0.47	<0.05	2.29	0.620	0.17	1.1
YY09652		5.2	24.6	<0.002	0.02	0.87	37.1	1	0.8	243	0.35	<0.05	2.32	0.528	0.14	0.9
YY09653		5.3	11.2	<0.002	0.02	0.95	41.0	1	0.7	182.0	0.25	<0.05	1.31	0.473	0.13	0.7
YY09654		4.7	38.0	<0.002	0.03	0.74	39.1	1	0.7	240	0.27	<0.05	1.44	0.482	0.38	0.8
YY09655		3.5	17.0	<0.002	0.03	1.75	46.6	1	0.5	156.0	0.20	0.05	1.18	0.302	0.13	0.5
YY09656		7.1	13.7	<0.002	0.03	4.14	40.1	1	0.8	1535	0.23	<0.05	2.02	0.338	0.10	0.5
YY09657		2.2	3.5	<0.002	0.06	0.57	41.1	1	1.1	97.6	0.51	<0.05	1.18	0.650	0.07	0.5
YY09658		1.6	0.9	<0.002	0.01	0.29	44.8	<1	1.1	24.7	0.30	<0.05	0.22	1.080	<0.02	0.1
YY09659		4.1	8.1	<0.002	0.02	1.75	33.2	1	0.9	340	0.37	<0.05	1.94	0.404	0.11	0.9
YY09660		4.1	7.1	<0.002	0.01	3.49	38.3	<1	0.8	288	0.32	0.09	1.71	0.436	0.10	0.8

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09621		306	0.3	12.6	88	34.0
YY09622		333	1.5	19.0	127	33.1
YY09623		226	0.9	22.2	96	45.2
YY09624		223	1.2	23.6	90	46.0
YY09625		237	0.9	24.3	99	48.8
YY09626		225	0.9	24.9	104	54.1
YY09627		212	0.9	22.4	90	48.1
YY09628		233	0.7	20.5	87	45.1
YY09629		251	1.0	25.2	95	49.0
YY09630		272	0.7	27.0	97	43.1
YY09631		337	0.7	23.5	124	40.9
YY09632		222	0.6	16.4	77	38.0
YY09633		199	0.9	20.0	96	40.0
YY09634		209	1.9	17.4	87	55.8
YY09635		225	3.4	21.9	95	66.2
YY09636		263	0.7	29.5	118	66.6
YY09637		251	1.0	26.5	166	53.2
YY09638		234	2.1	17.0	285	32.3
YY09639		295	1.0	28.2	115	60.7
YY09640		266	0.9	43.9	136	46.0
YY09641		232	0.9	15.9	167	33.3
YY09642		268	0.5	23.9	153	52.5
YY09643		251	1.1	23.0	200	56.4
YY09644		254	0.9	23.3	149	49.5
YY09645		227	1.2	21.8	130	51.4
YY09646		357	0.8	22.1	60	72.9
YY09647		284	2.7	28.3	117	36.3
YY09648		231	0.9	25.0	114	57.0
YY09649		229	0.8	23.4	114	56.9
YY09650		215	0.9	23.8	100	48.9
YY09651		226	0.7	21.7	88	45.8
YY09652		255	0.9	21.8	93	57.2
YY09653		304	0.7	20.2	104	34.2
YY09654		295	0.6	20.8	101	43.2
YY09655		258	0.8	16.7	103	27.6
YY09656		354	4.5	30.5	144	38.2
YY09657		205	0.7	43.3	109	39.2
YY09658		341	0.5	28.2	107	67.4
YY09659		218	17.1	20.4	167	37.0
YY09660		235	1.7	20.1	103	44.0

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09661		0.54	0.004	0.08	7.51	27.9	420	0.95	0.14	2.85	0.30	44.3	37.7	137	4.45	93.8
YY09662		0.46	0.002	0.11	7.71	9.1	230	0.79	0.08	1.92	0.17	42.9	44.6	298	3.03	206
YY09663		0.49	0.009	0.10	7.87	12.4	340	0.92	0.10	2.69	0.24	31.5	44.3	275	4.35	120.0
YY09664		0.55	0.007	0.11	7.65	16.8	290	1.01	0.09	4.14	0.30	29.8	74.1	160	1.63	272
YY09665		0.57	0.011	0.12	7.73	10.6	290	0.95	0.07	4.04	0.22	28.9	60.1	177	2.48	220
YY09666		0.66	0.006	0.12	6.86	27.8	360	0.74	0.06	2.76	0.28	32.3	47.9	144	1.38	124.5
YY09667		0.54	0.006	0.08	9.36	18.4	490	0.90	0.05	1.10	0.22	28.3	51.5	169	2.33	129.5
YY09668		0.54	0.006	0.12	8.72	11.3	490	1.26	0.05	1.97	0.19	29.9	52.3	245	5.13	175.0
YY09669		0.57	0.003	0.07	8.20	14.6	460	1.20	0.09	2.53	0.22	37.7	36.4	159	2.70	124.0
YY09670		0.59	0.004	0.08	8.29	16.6	430	1.02	0.06	2.13	0.16	35.7	48.3	109	3.40	143.0
YY09671		0.51	0.002	0.10	8.22	22.3	510	1.62	0.09	2.20	0.45	31.1	48.8	165	4.08	206
YY09672		0.56	0.011	0.06	7.56	13.5	500	1.16	0.11	3.56	0.26	46.3	34.0	137	1.73	109.5
YY09673		0.64	0.055	0.13	8.05	27.7	490	1.01	0.16	2.68	0.20	44.2	53.7	122	2.67	217
YY09674		0.56	0.088	0.04	8.28	18.1	360	1.34	0.13	1.85	0.19	55.7	49.1	171	2.26	664
YY09675		0.44	0.002	0.08	8.04	11.0	360	1.52	0.05	2.12	0.30	30.4	46.8	408	3.52	172.0
YY09676		0.55	0.003	0.08	7.66	12.2	480	1.36	0.12	2.84	0.38	39.2	38.7	149	2.12	157.5
YY09677		0.59	0.003	0.12	8.08	15.7	440	1.44	0.09	3.18	0.32	24.1	61.3	153	1.56	370
YY09678		0.47	0.013	0.16	7.55	12.7	450	1.16	0.11	2.29	0.56	38.7	42.4	221	1.75	233
YY09679		0.57	0.004	0.07	7.93	7.8	430	1.21	0.05	3.84	0.25	21.9	46.6	156	1.17	262
YY09680		0.62	0.002	0.06	7.68	4.2	310	1.12	0.04	2.98	0.27	28.1	48.0	414	1.76	161.5
YY09681		0.58	0.005	0.09	7.17	7.6	350	1.21	0.07	4.28	0.43	28.2	57.0	510	2.29	210
YY09682		0.59	0.004	0.12	7.14	7.6	410	1.13	0.07	5.34	0.44	32.2	55.0	383	2.87	210
YY09683		0.55	0.002	0.05	8.18	4.3	350	1.03	0.04	2.99	0.24	27.4	41.6	262	1.70	128.0
YY09684		0.54	0.004	0.08	7.76	14.1	430	1.16	0.12	3.11	0.29	34.4	43.6	215	3.01	170.0
YY09685		0.55	0.006	0.10	7.91	12.5	350	0.99	0.08	2.87	0.26	33.1	61.3	282	2.54	310
YY09686		0.58	0.006	0.10	7.63	18.6	210	0.85	0.08	1.75	1.85	29.2	61.9	205	2.04	503
YY09687		0.61	0.004	0.07	8.01	9.1	350	0.90	0.05	3.82	0.41	22.9	57.7	171	1.91	223
YY09688		0.56	0.004	0.09	8.08	12.4	370	1.37	0.10	2.27	0.46	37.6	47.6	152	2.05	254
YY09689		0.50	0.005	0.07	7.76	12.7	470	1.29	0.13	2.24	0.28	35.7	32.2	157	2.49	114.5
YY09690		0.53	0.003	0.07	8.00	7.0	310	1.40	0.06	1.85	0.17	32.2	44.9	195	2.05	160.0
YY09691		0.52	0.005	0.10	8.34	14.9	330	1.30	0.06	2.48	0.20	36.9	40.0	156	1.98	157.0
YY09692		0.66	0.003	0.07	7.45	7.8	390	1.10	0.05	3.84	0.32	21.7	57.2	276	1.95	241
YY09693		0.53	0.008	0.12	7.68	32.9	580	1.01	0.10	1.06	0.28	45.3	58.9	110	3.34	202
YY09694		0.55	0.002	0.07	9.07	12.8	750	0.85	0.06	1.79	0.24	23.1	53.4	278	3.58	142.5
YY09695		0.52	0.005	0.09	8.08	18.2	430	0.96	0.13	2.89	0.55	33.6	75.8	193	2.86	182.0
YY09696		0.46	0.009	0.14	7.30	17.0	520	0.87	0.11	2.91	0.77	37.4	61.6	191	2.94	168.5
YY09697		0.53	0.014	0.13	7.86	16.0	300	1.23	0.07	2.96	0.64	38.0	105.5	160	2.95	253
YY09698		0.53	0.007	0.18	8.02	46.8	220	0.70	0.06	2.71	0.43	16.80	73.8	248	2.25	342
YY09699		0.53	0.015	0.23	8.08	18.0	140	0.98	0.07	3.23	0.49	27.5	116.0	237	1.87	343
YY09700		0.66	0.006	0.09	7.75	10.7	240	1.04	0.07	3.26	1.52	32.1	75.7	264	1.65	349

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Finalized Date: 3- SEP- 2018
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CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09661		6.62	16.75	0.09	1.6	0.081	0.67	18.7	17.2	2.24	1480	3.20	1.72	8.5	63.1	1230
YY09662		7.08	15.35	0.07	1.5	0.083	0.40	19.5	14.1	4.70	1390	1.50	1.38	6.0	159.5	780
YY09663		7.85	16.20	0.11	2.1	0.074	0.51	14.0	13.9	1.97	1420	1.88	1.40	5.9	104.5	950
YY09664		9.40	19.85	0.13	1.8	0.094	0.40	10.2	13.3	3.09	2150	2.17	1.44	6.1	100.0	960
YY09665		9.57	18.30	0.12	1.8	0.084	0.46	11.5	11.3	3.22	2180	1.76	1.30	5.5	85.6	900
YY09666		8.92	13.45	0.11	1.4	0.064	0.52	14.5	19.9	1.60	2120	1.30	0.90	5.8	80.4	1140
YY09667		9.78	16.65	0.11	1.2	0.074	0.63	13.1	18.7	0.76	2260	0.99	0.40	5.2	82.5	1390
YY09668		9.21	16.40	0.11	1.3	0.066	0.88	14.4	12.2	1.81	1910	1.52	1.03	5.5	95.0	1470
YY09669		7.11	15.85	0.12	1.9	0.066	0.87	16.8	14.8	2.33	1410	1.81	1.46	7.5	64.9	1760
YY09670		7.79	16.25	0.11	1.3	0.073	0.87	15.0	10.3	1.61	1910	1.39	1.58	7.1	54.6	1770
YY09671		7.31	15.75	0.10	1.2	0.066	0.96	13.0	16.4	2.97	2230	1.57	1.00	5.7	69.5	1690
YY09672		5.99	16.40	0.13	1.7	0.072	0.97	21.1	14.2	2.44	1160	1.45	1.93	10.2	56.7	1490
YY09673		7.47	16.75	0.14	1.7	0.079	0.99	21.7	17.0	2.38	1270	2.23	1.64	9.2	72.5	1090
YY09674		8.30	16.55	0.13	1.2	0.100	0.70	18.8	17.9	3.60	1950	1.80	1.54	7.7	84.9	1530
YY09675		7.64	15.10	0.11	1.2	0.065	0.77	14.3	15.6	2.35	1780	1.06	1.31	3.8	127.5	1220
YY09676		6.37	15.35	0.12	1.4	0.064	1.05	17.9	14.5	2.81	1470	1.78	1.57	7.4	66.5	1910
YY09677		7.90	17.50	0.11	1.1	0.071	0.88	9.1	14.4	3.53	1820	1.11	1.65	5.8	76.0	1620
YY09678		7.76	14.60	0.14	1.1	0.083	1.48	19.3	13.6	2.95	2330	2.35	1.08	6.1	99.6	1440
YY09679		7.49	16.65	0.12	1.0	0.065	0.98	8.8	11.2	3.54	1600	0.69	1.80	5.1	68.4	1690
YY09680		7.18	14.65	0.11	1.4	0.056	1.25	12.8	12.0	5.09	1620	0.47	1.06	5.2	158.5	1550
YY09681		7.33	14.60	0.11	1.3	0.060	0.96	12.5	14.4	4.94	2120	0.79	1.46	5.0	157.5	1330
YY09682		6.67	14.50	0.12	1.7	0.067	0.88	15.1	12.4	4.31	1840	1.12	1.45	6.0	131.5	1470
YY09683		7.10	14.00	0.11	1.3	0.056	1.16	10.3	10.7	4.26	1560	0.52	1.38	5.2	98.8	1460
YY09684		7.12	15.80	0.12	1.5	0.066	0.84	16.5	16.2	3.32	1600	1.75	1.36	7.1	84.3	1810
YY09685		7.81	14.85	0.11	1.2	0.071	0.71	14.4	14.4	3.82	1940	1.03	1.56	6.3	110.5	1530
YY09686		8.73	14.05	0.12	1.3	0.082	0.52	13.2	15.3	3.04	1820	0.85	1.36	4.8	93.6	1250
YY09687		7.39	16.05	0.11	1.1	0.063	0.74	9.2	10.8	3.71	1900	0.65	1.92	5.2	83.7	1320
YY09688		7.29	15.15	0.13	1.4	0.067	0.84	14.9	14.5	3.18	1620	1.36	1.54	6.5	72.1	1700
YY09689		6.28	16.00	0.12	1.7	0.067	0.84	16.1	16.8	2.62	1250	2.67	1.46	7.7	64.8	2100
YY09690		7.69	15.80	0.12	1.1	0.069	1.02	14.1	16.3	3.87	1780	0.86	1.39	6.0	82.3	1420
YY09691		6.73	16.90	0.12	1.2	0.066	0.77	17.1	13.6	2.29	1660	1.31	2.18	6.2	60.8	1710
YY09692		7.37	14.65	0.11	1.0	0.055	0.97	8.9	11.2	4.36	1740	0.36	1.59	4.1	97.3	1340
YY09693		10.15	14.05	0.13	1.2	0.077	0.74	20.8	25.9	0.85	3220	1.74	0.50	5.6	91.2	1500
YY09694		8.30	16.70	0.11	1.5	0.080	0.48	8.7	13.6	3.08	1830	1.19	0.92	4.5	116.0	1120
YY09695		8.32	18.00	0.12	1.8	0.083	0.60	14.8	15.5	3.78	2440	2.17	1.22	6.4	86.3	1340
YY09696		7.55	15.60	0.13	1.6	0.084	0.52	17.3	14.5	3.48	2020	1.72	1.26	6.5	84.8	1440
YY09697		10.40	19.90	0.13	1.6	0.106	0.31	15.4	14.5	4.12	3900	2.08	1.16	6.4	91.8	1130
YY09698		9.43	16.80	0.11	1.3	0.077	0.34	6.4	12.5	3.32	1860	1.51	1.19	4.5	137.5	960
YY09699		10.70	18.55	0.12	1.5	0.095	0.23	9.3	9.2	3.42	3110	1.77	1.30	5.4	110.5	1020
YY09700		8.60	16.90	0.13	1.7	0.076	0.43	13.5	10.4	3.70	1980	1.61	1.45	6.4	120.0	1050

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09661		7.7	18.4	<0.002	0.05	2.77	31.5	1	1.1	268	0.56	0.06	3.31	0.532	0.24	1.4
YY09662		4.6	11.9	<0.002	0.03	0.76	38.0	1	0.8	176.5	0.35	0.05	2.91	0.419	0.12	1.0
YY09663		5.8	17.7	<0.002	0.05	1.13	38.5	1	0.9	217	0.37	<0.05	2.28	0.652	0.18	1.2
YY09664		4.3	6.5	<0.002	0.02	2.64	32.0	1	1.2	327	0.37	0.05	1.31	0.835	0.13	0.8
YY09665		3.4	8.4	<0.002	0.03	1.41	38.7	1	1.0	262	0.33	<0.05	1.27	0.772	0.11	0.6
YY09666		5.7	16.5	<0.002	0.03	4.25	37.4	1	0.8	654	0.34	<0.05	1.98	0.570	0.13	0.8
YY09667		3.8	19.4	<0.002	0.02	3.01	52.3	1	0.6	317	0.27	0.05	1.42	0.477	0.11	0.5
YY09668		5.8	31.8	<0.002	0.02	1.26	47.6	1	0.7	190.0	0.28	<0.05	1.51	0.495	0.14	0.6
YY09669		6.1	34.2	<0.002	0.05	1.35	33.1	1	0.9	254	0.43	<0.05	2.59	0.571	0.19	1.2
YY09670		4.0	26.5	<0.002	0.01	1.16	36.9	1	0.8	217	0.39	0.06	1.82	0.572	0.14	0.8
YY09671		8.2	29.8	<0.002	0.05	0.92	37.7	1	0.8	212	0.31	<0.05	2.13	0.443	0.24	1.0
YY09672		7.7	22.1	<0.002	0.01	1.12	28.2	1	1.3	367	0.62	<0.05	3.28	0.724	0.21	1.6
YY09673		7.6	34.5	<0.002	0.01	1.50	34.9	1	1.1	273	0.54	0.05	3.24	0.620	0.22	1.6
YY09674		6.2	18.1	<0.002	0.04	1.12	36.2	1	1.1	213	0.44	0.05	2.45	0.513	0.19	1.2
YY09675		4.8	25.7	<0.002	0.05	2.49	52.1	1	0.6	170.5	0.19	<0.05	1.57	0.408	0.12	0.8
YY09676		8.6	33.3	<0.002	0.04	1.22	28.5	1	1.0	277	0.44	<0.05	2.92	0.528	0.23	1.3
YY09677		9.0	9.4	<0.002	0.01	0.76	32.0	1	0.8	328	0.31	<0.05	1.31	0.457	0.14	0.8
YY09678		8.6	44.4	<0.002	0.06	1.34	37.5	1	0.8	206	0.37	<0.05	2.22	0.457	0.29	1.2
YY09679		7.3	10.7	<0.002	0.02	0.42	30.8	1	0.7	354	0.26	<0.05	0.92	0.455	0.12	0.6
YY09680		4.3	36.4	<0.002	0.02	0.49	41.5	1	0.6	189.5	0.27	<0.05	1.37	0.463	0.14	0.7
YY09681		6.6	27.1	<0.002	0.01	6.08	47.9	1	0.7	265	0.26	<0.05	1.73	0.465	0.14	0.9
YY09682		6.6	29.5	<0.002	0.02	1.30	37.5	1	0.8	455	0.34	<0.05	2.19	0.490	0.16	1.2
YY09683		4.4	36.8	<0.002	0.03	0.44	36.3	1	0.6	213	0.26	<0.05	1.40	0.458	0.13	0.7
YY09684		7.8	31.9	<0.002	0.05	1.29	30.5	1	0.9	289	0.41	<0.05	2.58	0.510	0.21	1.3
YY09685		5.1	12.5	<0.002	0.02	0.95	36.7	1	0.8	266	0.34	0.05	1.59	0.504	0.11	0.8
YY09686		3.4	15.5	<0.002	0.02	0.77	39.3	2	0.6	162.0	0.24	0.13	1.16	0.391	0.06	0.5
YY09687		5.0	9.1	<0.002	0.01	0.82	36.4	1	0.7	350	0.27	<0.05	1.01	0.445	0.09	0.6
YY09688		6.7	29.1	<0.002	0.05	0.96	35.0	1	0.8	233	0.35	0.06	2.21	0.491	0.16	1.0
YY09689		6.6	35.7	<0.002	0.06	1.14	26.4	1	1.0	252	0.45	0.06	3.05	0.534	0.24	1.4
YY09690		4.9	20.7	<0.002	0.02	1.21	38.3	1	0.8	166.0	0.30	<0.05	1.39	0.467	0.15	0.8
YY09691		5.1	16.8	<0.002	0.02	1.56	32.7	1	0.8	228	0.33	<0.05	1.85	0.444	0.13	0.8
YY09692		5.2	13.3	<0.002	0.01	0.50	36.2	1	0.6	316	0.21	<0.05	0.93	0.389	0.09	0.5
YY09693		20.4	23.7	<0.002	0.02	7.78	49.0	1	0.7	598	0.28	<0.05	1.71	0.453	0.12	0.6
YY09694		3.9	11.1	<0.002	0.03	1.19	45.4	1	0.8	135.5	0.27	<0.05	1.14	0.721	0.11	0.6
YY09695		7.7	22.0	<0.002	0.03	1.53	33.5	1	1.1	292	0.39	0.08	2.58	0.603	0.21	1.3
YY09696		6.4	18.7	<0.002	0.08	1.25	36.7	1	0.9	237	0.39	0.05	2.35	0.613	0.19	1.1
YY09697		5.2	7.4	<0.002	0.04	1.13	44.1	1	1.1	219	0.37	<0.05	1.40	0.783	0.11	0.6
YY09698		4.3	4.5	<0.002	0.02	7.89	39.1	1	0.9	251	0.27	0.06	0.60	0.765	0.12	0.3
YY09699		4.3	4.0	<0.002	0.07	0.64	42.7	1	0.9	237	0.32	0.09	1.21	0.761	0.07	0.5
YY09700		4.2	9.8	<0.002	0.03	0.78	35.8	1	0.9	274	0.36	0.06	1.63	0.723	0.12	0.8

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09661		201	1.3	23.7	120	49.3
YY09662		194	0.5	24.7	99	57.8
YY09663		265	0.4	29.4	116	73.7
YY09664		280	1.5	30.3	113	59.8
YY09665		272	0.8	32.0	109	59.4
YY09666		298	3.9	27.3	132	47.9
YY09667		363	2.1	26.1	115	43.5
YY09668		332	0.8	24.4	107	45.6
YY09669		245	1.1	22.1	101	59.9
YY09670		234	1.2	23.3	93	44.3
YY09671		250	0.8	18.0	117	44.2
YY09672		231	0.8	24.9	101	66.0
YY09673		251	1.2	29.6	117	86.4
YY09674		231	1.2	24.5	94	47.6
YY09675		312	1.7	23.3	90	40.0
YY09676		227	0.8	22.1	114	47.3
YY09677		288	0.7	17.7	122	37.3
YY09678		225	0.8	27.8	116	38.1
YY09679		285	0.6	16.9	102	29.7
YY09680		259	0.8	17.6	88	46.7
YY09681		261	1.3	18.8	96	45.6
YY09682		228	0.8	20.3	100	48.7
YY09683		249	0.5	15.5	92	43.7
YY09684		244	0.9	21.9	118	58.7
YY09685		267	1.2	22.2	100	44.5
YY09686		256	1.0	22.0	264	50.3
YY09687		266	1.1	18.0	102	38.1
YY09688		249	1.3	20.8	117	52.0
YY09689		219	1.3	18.6	117	60.2
YY09690		267	1.9	22.6	88	36.1
YY09691		255	2.9	23.1	84	39.9
YY09692		256	0.7	15.9	86	34.4
YY09693		316	7.7	29.8	117	41.5
YY09694		272	0.7	26.1	98	41.2
YY09695		245	1.6	23.6	162	62.3
YY09696		224	0.7	34.1	206	59.4
YY09697		305	0.8	44.6	134	53.6
YY09698		295	1.5	22.5	163	39.2
YY09699		286	0.8	33.9	201	47.6
YY09700		261	0.7	28.5	497	58.1

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09701		0.57	0.006	0.29	7.36	19.3	380	1.27	0.15	1.99	0.21	30.0	42.3	96	2.61	1340
YY09702		0.57	0.006	0.14	7.55	23.4	630	1.84	0.24	2.53	0.44	47.5	40.6	117	4.48	156.0
YY09703		0.61	0.005	0.11	7.29	19.8	480	1.64	0.10	3.23	0.44	32.5	58.6	106	3.13	181.5
YY09704		0.57	0.011	0.09	7.40	9.4	410	1.37	0.08	2.53	0.19	33.9	39.6	154	1.57	333
YY09705		0.65	0.004	0.08	7.72	15.4	300	1.34	0.07	2.83	0.34	25.8	73.6	207	1.90	268
YY09706		0.69	0.007	0.09	7.34	9.2	330	1.21	0.10	2.44	0.20	26.0	37.3	124	1.15	124.0
YY09707		0.67	0.005	0.11	7.85	8.1	440	1.31	0.14	2.49	0.34	43.8	31.5	145	2.37	124.0
YY09708		0.53	0.008	0.09	7.74	16.1	510	1.51	0.16	2.98	0.29	47.1	41.7	113	2.31	131.0
YY09709		0.61	0.007	0.16	7.74	22.0	330	1.10	0.13	1.67	0.35	34.5	64.8	84	1.53	233
YY09710		0.59	0.003	0.07	8.05	8.4	370	1.36	0.05	3.70	0.14	34.6	60.6	186	2.37	171.5
YY09711		0.63	0.002	0.08	8.00	8.9	370	1.17	0.05	2.32	0.12	28.0	46.8	281	1.08	135.0
YY09712		0.60	0.003	0.09	7.84	11.1	440	1.47	0.10	2.17	0.17	36.4	41.5	160	1.64	120.0
YY09713		0.51	0.005	0.11	7.78	11.9	470	1.29	0.13	2.72	0.20	36.9	40.9	174	1.51	102.0
YY09714		0.48	0.005	0.13	7.99	11.4	630	1.53	0.17	2.82	0.35	45.1	36.1	139	2.84	112.5
YY09715		0.49	0.003	0.18	7.54	26.8	590	1.59	0.17	3.06	0.57	37.6	38.6	103	2.80	254
YY09716		0.50	0.003	0.07	8.11	10.1	490	1.30	0.11	2.95	0.17	44.6	38.6	204	1.80	118.0
YY09717		0.49	0.003	0.06	7.59	10.0	380	1.18	0.10	2.40	0.19	34.5	41.0	179	1.20	131.0
YY09718		0.52	0.005	0.05	7.81	9.7	410	1.16	0.09	2.01	0.19	44.2	39.8	150	1.86	120.0
YY09719		0.52	0.004	0.09	8.12	19.5	440	1.44	0.08	2.43	0.21	35.9	41.4	175	2.15	143.5
YY09720		0.63	0.006	0.08	8.09	8.3	220	1.03	0.05	1.72	0.16	29.4	55.6	248	0.94	154.5
YY09721		0.47	0.003	0.07	8.52	11.6	360	1.51	0.08	1.79	0.13	35.3	37.5	214	2.52	122.5
YY09722		0.52	0.002	0.07	8.79	10.8	470	1.42	0.04	2.04	0.17	33.1	52.9	240	4.83	152.5
YY09723		0.56	0.002	0.07	8.37	11.4	440	1.30	0.08	2.26	0.27	40.9	42.2	271	4.47	125.0
YY09724		0.48	0.005	0.07	7.72	10.4	410	1.20	0.07	2.54	0.19	36.1	37.5	228	2.39	120.5

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09701		6.65	18.00	0.08	1.1	0.109	0.68	12.2	25.7	3.79	1140	2.76	1.84	7.9	58.4	1470
YY09702		6.13	18.80	0.12	1.5	0.079	1.21	22.6	28.6	2.55	1140	3.98	1.64	9.2	71.7	1640
YY09703		5.65	14.85	0.10	1.1	0.062	1.22	13.8	16.7	2.59	1470	1.93	1.70	6.8	67.6	1210
YY09704		6.39	15.90	0.11	1.2	0.072	1.06	15.1	15.6	3.67	1340	1.52	1.66	7.0	67.9	1680
YY09705		7.26	16.25	0.09	1.0	0.065	0.57	9.0	16.9	4.46	2480	0.99	1.99	5.1	99.2	1440
YY09706		6.89	16.10	0.12	1.3	0.072	0.64	10.1	14.7	3.63	1480	1.57	2.12	8.1	57.5	1670
YY09707		6.19	15.95	0.15	1.4	0.072	0.90	20.5	17.7	3.61	1240	1.74	1.84	9.2	62.2	1430
YY09708		6.70	17.35	0.14	1.5	0.086	0.88	21.2	18.4	2.73	1480	2.43	1.77	9.7	56.4	1570
YY09709		8.81	16.10	0.12	1.0	0.085	0.61	14.3	16.8	3.96	1940	1.76	1.46	6.0	61.9	980
YY09710		8.21	16.50	0.12	1.2	0.068	0.77	11.8	12.6	3.39	2430	1.43	1.82	5.3	80.6	1790
YY09711		6.98	15.20	0.12	1.4	0.062	1.16	12.1	11.5	4.76	1780	1.19	1.87	7.1	98.5	1760
YY09712		6.87	16.20	0.12	1.3	0.077	0.98	16.1	15.3	3.70	1610	1.98	1.81	8.3	70.6	1720
YY09713		6.93	16.45	0.12	1.5	0.076	0.98	16.5	16.7	3.87	1420	2.26	1.94	9.1	77.1	1650
YY09714		6.57	17.70	0.14	1.6	0.080	1.18	19.9	21.3	3.09	1200	2.19	1.91	10.2	69.8	1260
YY09715		6.81	16.35	0.12	1.5	0.070	1.11	17.3	19.3	2.48	1310	3.05	1.95	8.4	54.6	1630
YY09716		6.89	16.55	0.14	1.9	0.068	0.99	20.1	14.9	3.86	1410	1.39	2.08	8.8	79.8	1640
YY09717		7.04	16.00	0.13	1.5	0.069	0.73	14.4	14.0	3.79	1480	1.66	2.34	8.1	72.0	1580
YY09718		7.17	16.70	0.13	1.3	0.084	0.93	15.6	15.4	3.25	1760	1.28	1.81	8.1	67.7	1880
YY09719		7.50	16.35	0.12	1.3	0.069	0.93	15.3	15.8	3.03	1610	1.35	2.04	7.2	69.8	1560
YY09720		8.21	15.60	0.12	1.2	0.069	0.40	10.8	14.1	3.99	2080	1.10	2.41	6.3	85.4	1910
YY09721		8.11	17.50	0.12	1.3	0.080	0.75	16.0	17.2	3.21	1500	1.27	2.05	7.3	78.2	2130
YY09722		8.64	16.85	0.12	1.3	0.071	1.12	15.4	13.8	2.40	2080	1.35	1.84	6.1	87.3	2040
YY09723		8.03	16.05	0.12	1.5	0.070	0.92	17.6	15.4	2.83	1800	1.42	1.61	6.7	83.0	2120
YY09724		7.14	16.15	0.12	1.3	0.075	0.90	15.9	14.8	3.17	1500	1.50	1.77	7.6	78.6	1620

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

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09701		10.1	11.3	<0.002	0.02	1.78	26.7	1	1.2	202	0.49	0.07	2.54	0.500	0.20	1.4
YY09702		14.4	38.3	<0.002	0.03	2.17	27.5	1	1.4	276	0.62	0.08	4.62	0.549	0.41	2.2
YY09703		8.5	27.9	<0.002	0.02	1.63	24.9	1	0.9	269	0.44	<0.05	2.39	0.484	0.25	1.2
YY09704		6.3	22.8	<0.002	0.01	1.17	33.0	1	0.9	260	0.41	0.05	2.27	0.545	0.14	1.0
YY09705		5.1	5.7	<0.002	0.01	2.79	35.4	1	0.6	263	0.29	0.07	1.03	0.428	0.07	0.5
YY09706		5.5	6.0	<0.002	0.01	1.22	27.1	1	1.0	248	0.45	<0.05	1.58	0.604	0.14	1.0
YY09707		7.7	18.4	<0.002	0.02	1.39	31.1	1	1.2	256	0.53	0.05	3.23	0.641	0.21	1.6
YY09708		9.4	26.3	<0.002	0.03	1.55	33.3	1	1.4	319	0.58	0.07	3.87	0.634	0.26	1.7
YY09709		6.7	10.3	<0.002	0.02	0.96	42.1	1	0.9	152.0	0.34	0.08	1.69	0.464	0.17	0.9
YY09710		5.6	8.7	<0.002	0.07	1.04	38.0	1	0.8	235	0.26	0.05	1.11	0.494	0.09	0.6
YY09711		6.2	23.0	<0.002	0.02	1.02	38.2	1	0.8	206	0.36	0.08	1.73	0.575	0.12	0.8
YY09712		6.5	19.2	<0.002	0.03	1.18	34.6	1	1.0	233	0.45	0.05	2.36	0.585	0.19	1.2
YY09713		7.4	15.2	<0.002	0.02	1.38	33.6	1	1.2	291	0.52	<0.05	2.58	0.631	0.22	1.4
YY09714		10.1	29.9	<0.002	0.02	1.56	31.0	1	1.4	318	0.59	<0.05	3.81	0.639	0.32	1.7
YY09715		14.9	25.9	<0.002	0.03	2.18	26.1	1	1.2	329	0.52	0.07	3.53	0.556	0.29	1.7
YY09716		6.5	30.0	<0.002	0.02	1.09	35.1	1	1.1	300	0.52	0.06	3.25	0.640	0.20	1.5
YY09717		6.3	9.7	<0.002	0.02	1.21	36.1	1	1.1	261	0.47	0.05	2.22	0.629	0.17	1.2
YY09718		6.0	18.8	<0.002	0.02	0.95	36.6	1	1.0	255	0.44	<0.05	2.26	0.575	0.18	1.1
YY09719		7.0	18.3	<0.002	0.04	1.31	38.9	1	0.9	280	0.40	0.06	1.99	0.541	0.18	1.0
YY09720		3.8	3.6	<0.002	0.04	1.11	41.3	1	0.7	157.5	0.31	0.05	1.17	0.572	0.06	0.6
YY09721		5.5	13.5	<0.002	0.04	1.23	46.3	1	0.9	220	0.38	<0.05	2.09	0.586	0.15	1.0
YY09722		4.6	26.0	<0.002	0.02	0.98	45.8	1	0.7	233	0.30	<0.05	1.55	0.521	0.13	0.6
YY09723		6.3	35.1	<0.002	0.05	0.98	45.9	1	0.9	253	0.36	<0.05	2.62	0.540	0.18	1.1
YY09724		5.7	16.1	<0.002	0.03	0.93	35.7	1	0.9	270	0.42	0.05	2.11	0.555	0.17	1.0

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VANCOUVER BC V6B 1L8

Finalized Date: 3- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18197601

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5
YY09701		222	1.1	18.9	131	39.6
YY09702		209	1.2	25.9	165	51.8
YY09703		193	1.0	18.3	125	36.5
YY09704		245	0.7	18.5	106	43.9
YY09705		267	1.3	16.0	121	28.2
YY09706		243	0.7	17.6	113	41.9
YY09707		231	0.9	29.4	128	47.3
YY09708		213	0.9	29.0	127	58.0
YY09709		276	0.7	27.8	142	36.2
YY09710		315	1.9	21.3	93	39.7
YY09711		279	0.8	17.9	103	42.8
YY09712		262	1.0	22.4	112	44.4
YY09713		253	0.7	21.2	119	49.0
YY09714		236	1.0	25.3	137	57.0
YY09715		209	0.9	23.4	166	51.2
YY09716		258	0.7	23.3	105	62.5
YY09717		258	0.7	20.1	114	47.3
YY09718		267	0.8	21.9	101	42.6
YY09719		271	1.0	22.2	109	41.1
YY09720		310	1.2	18.3	121	36.2
YY09721		320	1.0	24.9	127	41.1
YY09722		327	1.0	22.3	109	42.4
YY09723		297	0.9	24.5	119	65.3
YY09724		263	0.7	23.2	106	42.5

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CERTIFICATE OF ANALYSIS WH18197601

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- ICP21 ME- MS61

ALS Canada Ltd.

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Finalized Date: 10- SEP- 2018
Account: F

CERTIFICATE WH18199704

Project: BATT

This report is for 62 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL	ANDREW CARNE	MATT DUMALA

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Co- OG62	Ore Grade Co - Four Acid	
Cu- OG62	Ore Grade Cu - Four Acid	
Zn- OG62	Ore Grade Zn - Four Acid	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
K291656		0.73	0.03	6.36	8.3	160	0.63	0.03	2.54	<0.02	27.8	28.2	3	0.39	137.5	6.16
K291657		0.73	0.47	0.83	0.9	80	<0.05	0.01	0.40	0.96	0.98	16.8	24	0.34	3240	1.01
K291658		0.96	1.35	0.58	11.3	10	<0.05	0.05	0.30	0.09	0.82	6.9	37	<0.05	5080	1.89
K291659		1.93	2.31	3.68	9.8	80	0.36	0.02	2.26	0.15	9.91	12.8	53	0.28	4650	2.84
K291660		0.81	3.82	0.92	5.3	<10	<0.05	0.01	8.47	2.77	6.94	9.5	49	0.09	7760	1.79
K291661		1.53	0.56	3.02	14.8	10	0.11	0.28	3.09	0.12	7.11	835	98	0.21	2470	33.1
K291662		1.17	3.46	5.91	31.5	10	0.33	0.15	6.56	0.74	5.29	62.0	112	<0.05	>10000	10.20
K291663		0.62	0.34	3.32	23.0	10	0.28	0.04	14.90	0.09	1.73	116.0	28	<0.05	1950	8.61
K291664		0.73	2.48	4.01	324	290	0.12	0.17	4.66	0.18	16.10	321	18	0.12	1350	28.3
K291665		1.23	0.32	7.99	30.1	10	0.32	0.23	11.60	0.19	6.98	211	99	<0.05	1070	11.95
K291666		0.94	2.85	0.67	2580	10	<0.05	0.83	24.9	0.29	14.30	1755	9	<0.05	>10000	3.24
K291667		0.64	2.64	0.77	15.0	<10	0.06	0.06	31.4	0.26	15.90	51.7	3	<0.05	>10000	2.42
K291668		0.87	5.94	3.47	87.6	20	0.16	0.65	4.24	0.40	9.02	114.0	5	0.05	>10000	8.95
K291669		0.51	0.25	3.26	>10000	10	0.07	0.95	3.55	0.04	5.75	>10000	50	<0.05	584	4.72
K291670		0.56	1.98	2.64	48.5	60	0.28	0.04	2.06	7.49	6.06	54.2	32	<0.05	6930	5.05
W591651		1.28	1.03	6.07	896	50	0.22	0.17	2.30	0.43	7.95	748	82	0.12	2120	9.38
W591652		2.15	0.63	2.66	6400	10	0.08	0.32	11.95	0.22	16.55	5430	47	<0.05	1830	3.97
W591653		2.13	9.39	1.16	918	20	0.14	0.67	21.2	3.02	27.2	503	8	0.07	>10000	6.33
W591654		1.20	0.05	7.69	83.9	70	0.49	0.03	1.86	0.08	15.55	179.0	75	0.19	156.5	6.00
W591655		1.06	2.16	0.60	13.0	20	0.07	0.02	0.47	0.16	0.40	12.6	29	<0.05	5330	1.71
W591656		1.95	0.78	1.33	50.3	20	0.09	0.07	1.45	13.75	2.69	18.3	47	0.06	350	1.85
W591657		1.16	2.88	0.98	9.2	10	0.09	0.16	7.48	7.34	2.72	6.8	21	0.05	1170	2.55
W591658		1.35	0.73	2.55	4.8	10	0.09	0.13	3.31	52.5	6.15	61.0	33	0.05	1290	8.15
W591659		2.27	0.85	1.34	1000	<10	<0.05	0.19	17.90	1.20	16.65	1360	19	<0.05	2160	3.93
W591660		0.98	3.00	0.97	44.2	20	0.09	0.22	13.20	0.84	8.33	111.0	29	<0.05	>10000	2.81
W591661		1.64	41.6	0.05	30.2	<10	<0.05	0.09	0.13	2.11	0.11	62.3	9	<0.05	>10000	18.65
W591662		1.68	0.81	3.00	33.5	10	0.21	0.37	2.33	0.19	13.55	614	98	0.11	1940	30.4
W591663		2.32	0.44	2.78	11.2	10	0.15	0.35	1.50	0.07	6.27	1145	88	0.24	1440	37.5
W591664		2.39	40.7	0.12	48.5	<10	<0.05	0.10	0.08	2.07	0.16	81.1	12	<0.05	>10000	17.45
W591665		0.90	1.17	1.13	143.5	30	0.09	0.32	0.33	0.52	6.23	190.5	118	0.05	4200	46.9
W591666		1.62	0.12	1.79	5.8	10	0.45	0.06	7.53	0.21	5.69	9.2	86	<0.05	307	10.30
W591667		0.56	0.24	1.27	23.0	10	0.13	0.02	0.25	0.59	1.22	9.6	57	0.15	1880	11.55
W591668		1.24	0.21	7.06	3.5	160	0.60	0.55	4.48	0.23	23.7	171.0	158	0.15	740	15.50
W591669		1.79	0.35	3.43	28.4	20	0.24	0.32	5.57	0.10	7.23	29.5	39	0.17	223	6.14
W591670		2.00	0.12	1.23	84.6	20	0.10	0.06	0.13	0.97	5.61	6.6	51	<0.05	95.1	5.23
W591671		2.58	0.73	1.22	108.0	10	0.15	4.04	0.15	0.08	16.35	77.2	54	<0.05	922	12.55
W591672		1.30	12.85	0.68	7000	10	<0.05	4.99	0.22	0.09	3.40	503	29	<0.05	4340	37.5
W591673		1.26	0.89	3.57	676	10	0.23	0.14	1.99	1.37	17.20	6220	41	0.08	>10000	5.61
W591674		0.76	0.21	5.52	83.3	30	0.81	0.38	3.41	0.04	27.1	58.7	13	0.08	224	10.05
W591675		1.18	0.07	1.13	54.8	20	0.22	0.20	0.07	0.02	2.08	56.1	20	<0.05	145.5	21.4

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CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
K291656		14.80	0.09	1.4	0.058	0.11	13.3	21.7	0.73	691	1.58	0.03	6.3	16.0	2860	1.6
K291657		2.03	0.05	<0.1	0.011	0.29	0.5	1.1	0.11	139	0.43	0.03	0.1	3.5	20	<0.5
K291658		1.44	0.06	<0.1	0.039	0.08	<0.5	2.8	0.12	123	4.41	0.01	0.3	8.0	60	0.5
K291659		5.99	0.07	0.5	0.133	0.42	4.6	6.1	1.20	447	0.75	1.21	2.4	20.7	660	0.8
K291660		2.55	0.06	0.1	0.575	<0.01	3.5	2.0	0.35	608	0.47	0.02	0.2	9.6	20	<0.5
K291661		8.44	0.24	0.2	0.016	0.01	3.4	3.5	2.55	351	0.74	0.03	1.4	1180	860	1.7
K291662		13.95	0.19	1.0	0.173	0.01	1.8	1.4	2.27	941	0.87	0.39	1.1	47.6	240	1.5
K291663		13.25	0.07	0.3	0.027	<0.01	0.9	2.7	1.47	805	1.25	0.09	1.1	36.5	4850	1.6
K291664		25.5	0.52	0.2	0.337	0.01	6.7	0.4	0.22	292	8.00	0.02	0.7	97.4	330	41.7
K291665		22.2	0.11	0.9	0.160	0.03	2.7	1.8	1.30	610	0.59	0.15	1.3	132.0	280	6.1
K291666		1.99	0.07	<0.1	0.647	<0.01	4.8	1.2	0.46	1240	0.91	<0.01	0.3	54.2	90	1.5
K291667		1.64	0.06	0.1	0.604	0.01	5.2	1.4	0.50	1380	0.21	0.24	0.4	12.2	100	0.7
K291668		9.02	0.06	0.7	1.220	0.03	3.9	5.9	1.74	553	3.14	0.60	3.1	47.5	1520	5.0
K291669		7.56	<0.05	0.2	0.055	0.01	2.1	6.7	1.92	577	0.49	0.56	1.1	225	450	0.8
K291670		4.29	0.05	0.3	0.369	0.09	3.1	2.7	0.81	359	0.37	1.30	1.1	16.7	470	2.3
W591651		13.00	0.07	0.5	0.224	0.14	3.8	8.6	2.93	637	0.72	1.16	2.6	57.4	760	1.1
W591652		5.66	0.06	0.3	0.125	0.01	5.4	5.3	1.49	879	0.67	0.54	1.2	95.1	400	0.7
W591653		3.05	0.10	0.4	1.235	0.03	9.7	1.6	0.45	1350	0.68	0.40	1.4	39.7	190	10.3
W591654		14.55	0.06	0.9	0.045	0.08	6.1	6.8	2.77	946	0.54	3.91	5.4	45.0	970	0.5
W591655		1.34	<0.05	<0.1	0.202	0.01	<0.5	2.4	0.33	146	0.50	0.09	0.1	7.2	20	<0.5
W591656		2.36	<0.05	0.2	0.034	0.07	1.3	4.5	0.53	361	2.43	0.32	0.5	14.1	140	172.5
W591657		2.06	<0.05	0.1	0.044	0.02	1.4	1.6	0.35	473	0.45	0.38	0.4	3.5	160	2.0
W591658		4.82	0.07	0.2	0.161	<0.01	3.2	2.7	1.25	661	0.31	0.64	0.8	19.6	150	8.8
W591659		3.73	0.05	0.1	0.108	<0.01	6.1	2.8	1.04	1340	0.18	0.02	0.3	49.1	70	1.3
W591660		2.15	<0.05	<0.1	0.275	0.09	3.9	6.3	0.92	720	0.42	0.02	0.2	23.5	30	4.9
W591661		0.23	0.71	<0.1	0.205	<0.01	<0.5	0.8	0.01	46	1.37	0.01	<0.1	17.9	<10	1.9
W591662		8.03	0.22	0.2	0.034	<0.01	6.3	4.1	3.04	629	0.48	<0.01	1.6	1245	630	2.3
W591663		7.34	0.25	0.1	<0.005	0.02	3.0	3.4	2.28	281	0.73	0.09	1.3	1375	700	1.9
W591664		0.40	0.70	<0.1	0.161	0.01	<0.5	0.9	0.04	49	1.07	0.01	0.1	18.0	10	1.2
W591665		7.21	0.81	0.2	0.035	0.01	2.4	2.5	0.22	116	6.18	0.02	0.7	532	660	5.7
W591666		6.27	0.08	0.7	0.032	0.01	5.4	1.0	0.22	1680	1.47	0.01	1.8	6.7	820	2.0
W591667		5.48	0.05	0.1	0.183	0.01	0.5	4.2	0.32	169	1.12	0.04	0.3	12.2	260	0.8
W591668		22.1	0.11	1.3	0.061	0.37	8.1	5.6	4.30	1680	1.30	0.73	7.0	82.4	1210	4.8
W591669		7.51	0.06	0.7	0.042	0.01	3.3	3.7	0.96	605	0.83	1.55	2.3	18.4	780	4.5
W591670		4.38	<0.05	0.5	0.052	0.04	4.2	3.3	0.38	338	2.13	0.01	1.8	11.3	540	36.7
W591671		4.00	0.10	0.5	0.019	0.01	12.5	4.2	0.24	188	9.47	0.01	1.8	110.0	660	12.4
W591672		5.93	0.22	0.1	1.210	0.01	1.5	1.0	0.12	102	9.81	0.01	0.6	31.2	360	27.3
W591673		8.11	0.07	0.2	0.090	0.01	8.6	8.3	2.48	1650	0.72	0.06	1.2	171.5	350	0.5
W591674		16.80	0.09	1.4	0.136	0.03	13.5	3.9	1.33	734	2.27	1.57	5.6	13.2	1130	7.9
W591675		2.47	0.09	0.1	0.006	0.02	0.9	1.3	0.09	191	17.15	0.59	0.5	9.2	300	8.1

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
K291656		2.8	<0.002	0.61	0.76	25.8	1	0.4	173.0	0.37	<0.05	1.44	0.653	<0.02	0.6	67
K291657		6.4	<0.002	0.05	0.11	0.7	1	<0.2	8.6	<0.05	<0.05	0.02	0.006	<0.02	<0.1	11
K291658		1.8	<0.002	0.23	0.21	2.0	9	<0.2	4.2	<0.05	<0.05	0.03	0.047	<0.02	0.1	17
K291659		14.6	<0.002	0.37	0.25	10.7	2	0.2	117.5	0.12	<0.05	0.42	0.176	<0.02	0.2	92
K291660		0.2	<0.002	0.42	0.15	8.2	2	<0.2	88.6	<0.05	<0.05	0.03	0.014	<0.02	0.1	25
K291661		0.4	0.010	>10.0	0.09	8.1	30	<0.2	18.9	0.07	0.45	0.17	0.143	<0.02	0.1	70
K291662		0.1	<0.002	3.74	0.53	26.9	46	0.6	445	0.07	0.26	0.07	0.408	<0.02	0.1	167
K291663		0.1	<0.002	2.03	0.51	7.5	6	0.3	106.0	0.06	0.12	0.12	0.116	<0.02	0.5	116
K291664		0.6	0.002	8.32	11.40	3.8	55	0.7	375	<0.05	0.50	0.07	0.108	<0.02	0.8	93
K291665		0.2	<0.002	5.47	2.09	17.4	6	1.0	500	0.09	0.19	0.09	0.353	<0.02	0.2	113
K291666		0.1	<0.002	1.23	0.45	25.1	3	<0.2	100.5	<0.05	1.11	0.05	0.025	<0.02	<0.1	25
K291667		0.2	<0.002	1.31	0.13	38.0	3	<0.2	110.5	<0.05	0.26	0.07	0.024	<0.02	<0.1	15
K291668		0.7	<0.002	0.45	1.31	16.1	2	0.3	34.7	0.18	0.93	0.79	0.300	<0.02	0.6	73
K291669		0.3	<0.002	0.30	0.32	10.7	1	<0.2	23.9	0.06	12.95	0.18	0.108	<0.02	0.1	106
K291670		1.9	<0.002	3.30	0.49	8.9	5	0.4	77.3	0.05	0.22	0.28	0.118	<0.02	0.1	80
W591651		3.3	<0.002	0.08	0.25	26.3	1	0.2	51.5	0.13	1.10	0.45	0.273	<0.02	0.2	173
W591652		0.3	<0.002	0.31	0.22	20.3	1	<0.2	51.3	0.07	4.86	0.24	0.103	<0.02	0.1	71
W591653		0.8	<0.002	1.42	1.61	28.1	4	0.3	87.0	0.08	1.07	0.22	0.066	<0.02	0.1	28
W591654		0.5	<0.002	0.05	0.15	17.7	1	0.7	89.8	0.36	0.10	0.48	0.366	<0.02	0.2	111
W591655		0.2	<0.002	0.58	0.62	2.3	2	<0.2	6.5	<0.05	<0.05	0.02	0.009	<0.02	<0.1	17
W591656		1.4	<0.002	0.26	2.16	5.9	3	<0.2	87.1	<0.05	0.09	0.10	0.042	<0.02	<0.1	32
W591657		0.4	<0.002	0.15	0.27	3.7	5	<0.2	41.0	<0.05	<0.05	0.14	0.035	<0.02	0.1	30
W591658		0.1	<0.002	5.03	1.00	14.0	13	<0.2	21.9	<0.05	0.15	0.13	0.106	<0.02	<0.1	73
W591659		0.1	<0.002	0.27	0.24	25.0	2	<0.2	60.7	<0.05	0.82	0.06	0.037	<0.02	<0.1	44
W591660		2.1	<0.002	1.86	0.72	9.6	7	<0.2	59.0	<0.05	0.18	0.02	0.016	<0.02	<0.1	35
W591661		0.1	<0.002	>10.0	1.96	0.3	292	<0.2	2.1	<0.05	1.16	0.01	<0.005	<0.02	<0.1	<1
W591662		0.1	0.012	>10.0	0.70	8.6	31	<0.2	13.1	0.08	0.44	0.26	0.131	0.14	0.1	69
W591663		0.3	0.013	>10.0	0.18	7.7	38	<0.2	23.8	0.07	0.54	0.16	0.125	<0.02	<0.1	63
W591664		0.1	<0.002	>10.0	1.70	0.4	281	<0.2	3.1	<0.05	0.92	0.01	<0.005	<0.02	<0.1	1
W591665		0.2	<0.002	0.35	1.26	50.5	27	0.3	21.9	<0.05	0.76	0.16	0.072	<0.02	0.2	158
W591666		0.3	<0.002	2.93	0.24	8.2	6	0.5	150.0	0.11	<0.05	0.33	0.233	<0.02	0.2	128
W591667		0.3	<0.002	0.05	0.93	5.1	2	<0.2	15.2	<0.05	0.11	0.12	0.060	0.05	<0.1	60
W591668		3.0	0.003	4.67	0.72	52.4	2	1.5	189.5	0.42	0.15	0.37	1.330	0.16	0.3	377
W591669		0.3	<0.002	0.11	0.44	14.8	4	0.4	67.5	0.14	0.45	0.29	0.473	<0.02	0.3	99
W591670		0.9	<0.002	1.78	1.53	5.1	1	0.3	3.4	0.10	0.10	0.89	0.085	<0.02	1.6	92
W591671		0.2	0.029	>10.0	0.87	3.3	6	0.2	8.3	0.10	0.79	1.07	0.066	<0.02	7.0	248
W591672		0.2	<0.002	0.11	3.41	14.6	7	0.2	7.7	<0.05	2.49	0.10	0.062	<0.02	0.1	90
W591673		0.2	<0.002	0.04	0.37	16.8	1	0.2	11.4	0.07	0.59	0.19	0.117	<0.02	0.2	120
W591674		0.6	<0.002	1.23	0.66	20.6	3	1.2	379	0.32	0.95	0.99	0.340	<0.02	0.4	105
W591675		0.3	<0.002	0.05	0.64	2.2	10	<0.2	10.6	<0.05	3.22	0.14	0.036	<0.02	0.3	94

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method Analyte Units LOD	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Co- OG62 Co % 0.0005	Cu- OG62 Cu % 0.001	Zn- OG62 Zn % 0.001	Au- ICP21 Au ppm 0.001
K291656		0.8	21.1	38	47.9				0.042
K291657		<0.1	0.9	45	0.5				0.001
K291658		0.1	1.3	5	1.9				0.002
K291659		0.1	5.9	30	15.6				0.002
K291660		0.1	7.2	262	0.8				0.001
K291661		0.2	7.5	25	7.7				0.002
K291662		0.1	18.5	104	32.0		3.40		0.012
K291663		0.3	20.1	25	15.9				0.120
K291664		0.1	18.9	27	7.1				0.082
K291665		0.2	11.7	18	30.3				0.039
K291666		0.8	23.9	21	1.3		1.760		1.275
K291667		0.6	39.1	10	2.2		1.310		0.018
K291668		1.5	17.3	73	28.5		1.840		0.362
K291669		2.8	9.8	18	7.6	1.460			1.430
K291670		0.2	4.0	1840	9.6				0.006
W591651		5.8	10.2	68	17.7				0.214
W591652		1.9	33.2	43	9.1				0.603
W591653		0.3	48.2	458	12.8		1.995		1.980
W591654		1.3	13.0	63	30.4				0.005
W591655		<0.1	0.7	23	0.7				0.006
W591656		0.2	2.7	3230	3.9				0.001
W591657		0.1	2.5	1350	2.2				0.005
W591658		0.1	6.1	>10000	6.2			1.285	0.009
W591659		0.1	59.3	159	1.4				2.69
W591660		0.1	7.0	148	1.1		1.055		0.298
W591661		0.4	0.4	275	<0.5		19.65		0.075
W591662		0.2	5.9	27	5.9				0.006
W591663		0.2	4.5	14	5.6				0.006
W591664		0.5	0.2	230	<0.5		18.15		0.025
W591665		0.8	19.4	60	5.3				0.037
W591666		0.4	22.0	11	28.5				0.001
W591667		0.2	2.0	191	3.5				<0.001
W591668		0.2	41.6	211	33.0				0.007
W591669		0.2	13.2	55	18.0				0.018
W591670		0.4	7.6	108	21.7				0.013
W591671		0.2	8.2	21	25.9				0.067
W591672		0.9	10.4	20	2.8				4.54
W591673		1.9	27.4	120	6.2		1.835		0.077
W591674		0.5	27.1	38	45.3				0.028
W591675		0.2	1.4	9	3.0				0.008

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ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
W591829		0.86	21.2	1.49	799	10	0.09	0.73	21.7	2.00	20.4	214	34	<0.05	>10000	8.10
W591830		1.12	2.04	0.31	432	10	<0.05	0.41	22.8	0.24	14.60	1275	10	<0.05	9940	1.80
W591831		3.45	2.62	1.14	82.6	10	<0.05	0.23	28.3	0.51	17.75	144.5	23	0.05	>10000	4.18
W591832		0.53	0.05	7.69	6.8	80	0.84	0.02	2.44	0.04	13.15	55.1	73	0.49	226	5.18
W591833		0.95	4.63	3.22	198.5	10	0.13	0.28	8.01	0.34	7.79	233	47	<0.05	>10000	6.85
W591834		0.53	0.68	6.58	95.3	100	0.44	0.07	6.99	0.15	19.65	108.0	51	0.21	4900	7.38
W591835		0.87	4.40	3.36	122.5	10	0.14	0.36	0.28	0.04	2.87	95.0	105	0.07	>10000	8.43
W591836		0.85	2.62	0.99	7.0	10	0.09	0.05	0.26	0.57	5.23	9.9	36	<0.05	6520	2.02
W591837		0.79	0.07	3.30	5.7	110	0.54	0.02	11.95	0.22	17.00	15.9	25	0.41	167.0	4.69
W591838		0.62	0.03	3.00	2.2	30	0.32	0.04	3.26	0.05	9.09	15.9	50	<0.05	40.9	3.18
W591839		1.48	1.52	6.72	3.1	10	1.48	0.01	19.60	0.34	13.70	8.4	20	0.23	2670	1.49
W591840		0.62	4.19	0.59	45.6	<10	<0.05	0.01	0.08	0.21	0.31	20.8	39	<0.05	>10000	2.37
W591841		0.53	1.40	0.37	824	10	0.07	0.35	3.80	0.35	4.09	155.5	32	<0.05	8490	3.01
W591842		1.25	4.85	0.99	5.4	10	0.05	0.05	0.14	1.88	0.98	10.0	42	<0.05	5670	3.47
W591843		1.71	17.15	0.56	753	<10	<0.05	0.35	2.39	3.97	2.27	323	35	<0.05	>10000	4.29
W591844		2.24	9.70	0.90	61.8	<10	0.07	1.37	0.91	1.76	1.99	466	21	<0.05	>10000	32.3
W591845		1.71	1.44	5.10	23.0	<10	0.13	0.99	0.90	0.32	6.47	151.5	151	0.20	5160	28.9
W591846		1.41	4.82	2.96	10.0	<10	<0.05	0.06	0.24	0.70	2.26	106.0	29	<0.05	4940	8.54
W591847		1.78	4.54	3.80	34.7	10	0.12	1.29	0.87	0.45	4.51	175.0	116	0.17	>10000	28.1
W591848		1.89	2.01	7.35	21.9	20	0.19	1.40	1.13	1.60	12.30	115.0	189	0.49	8440	21.2
W591849		2.10	0.70	4.47	44.1	10	0.12	0.20	1.65	0.60	6.61	160.0	41	0.08	1420	10.20
W591850		1.12	0.08	0.83	7.4	20	0.14	0.06	3.67	0.08	1.50	10.5	66	0.13	77.0	13.90

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- SEP- 2018
Account: F

Project: BATT

CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
W591829		3.75	0.08	0.2	2.28	<0.01	7.3	3.0	0.88	1680	1.90	0.22	0.7	99.6	200	3.0
W591830		1.00	<0.05	<0.1	0.539	<0.01	5.0	0.7	0.24	1040	0.58	0.02	0.1	22.6	40	0.6
W591831		2.40	0.06	0.1	0.637	0.04	5.9	2.2	0.64	1500	1.60	0.03	0.5	25.1	210	0.5
W591832		14.95	<0.05	0.9	0.036	0.47	5.2	8.7	2.65	554	0.72	2.82	5.0	33.3	970	0.5
W591833		6.27	0.06	0.3	1.035	0.03	3.2	5.9	1.82	700	0.73	0.75	1.8	33.3	580	0.7
W591834		12.15	0.07	0.8	0.239	0.22	8.5	7.4	2.85	852	0.61	1.43	4.8	35.1	1090	0.7
W591835		7.54	<0.05	0.1	0.609	0.03	1.2	5.6	2.46	483	1.22	0.09	0.7	63.9	200	3.7
W591836		1.93	<0.05	0.1	0.186	0.04	2.2	4.5	0.60	210	0.75	0.22	0.5	10.7	100	0.6
W591837		6.80	<0.05	0.5	0.025	0.06	8.4	19.2	5.68	1330	0.20	0.51	2.1	16.7	770	3.5
W591838		5.83	<0.05	0.4	0.032	0.03	4.8	2.6	1.00	541	0.32	1.12	1.5	20.3	570	1.5
W591839		16.30	<0.05	0.6	0.085	0.01	6.3	4.1	0.23	541	0.33	0.02	3.3	7.6	730	0.7
W591840		1.25	<0.05	<0.1	0.326	0.02	<0.5	2.1	0.45	113	0.63	0.01	0.1	5.6	30	<0.5
W591841		0.72	<0.05	<0.1	0.130	0.01	1.7	4.4	1.59	389	1.08	0.01	0.2	25.9	70	1.3
W591842		1.90	<0.05	<0.1	0.410	0.01	0.5	1.7	0.47	190	0.50	0.30	0.3	6.9	60	1.8
W591843		1.37	<0.05	<0.1	0.687	0.01	1.1	1.7	0.41	249	0.53	0.03	0.3	24.1	30	125.5
W591844		4.37	0.35	0.2	0.680	0.01	1.3	0.4	0.71	228	30.0	0.02	0.4	67.6	100	19.9
W591845		12.80	0.18	1.0	0.341	<0.01	2.7	1.6	4.47	978	11.25	0.05	3.2	61.5	510	8.1
W591846		9.35	0.05	0.1	0.289	<0.01	1.0	2.6	2.33	546	0.56	0.01	0.4	32.2	290	0.7
W591847		11.35	0.22	0.8	0.475	0.03	2.0	1.4	2.81	651	13.35	0.18	2.4	48.7	430	10.7
W591848		18.35	0.15	1.8	0.171	0.08	4.2	4.9	6.63	1660	9.14	0.26	4.4	86.3	750	9.3
W591849		12.30	<0.05	0.8	0.053	0.01	3.4	5.1	3.05	847	2.42	0.39	4.1	44.4	590	3.2
W591850		3.48	<0.05	0.1	0.008	0.01	1.6	0.3	0.61	513	0.56	0.05	0.2	12.3	190	1.6

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CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W591829		0.1	<0.002	1.67	0.52	27.8	6	0.3	81.9	<0.05	0.46	0.13	0.066	0.05	0.1	50
W591830		0.1	<0.002	0.09	0.18	18.2	2	<0.2	77.8	<0.05	0.58	0.03	0.010	<0.02	0.1	16
W591831		0.9	<0.002	0.75	0.53	26.3	3	<0.2	86.9	<0.05	0.43	0.13	0.054	<0.02	<0.1	28
W591832		5.2	<0.002	0.03	0.18	12.2	<1	0.6	128.5	0.32	<0.05	0.60	0.353	<0.02	0.3	117
W591833		0.7	<0.002	2.41	0.20	9.1	4	0.3	41.7	0.10	0.56	0.27	0.131	<0.02	0.1	91
W591834		4.9	<0.002	0.44	0.23	26.3	1	0.5	220	0.25	0.46	0.72	0.369	<0.02	0.3	174
W591835		0.6	<0.002	0.40	0.78	16.3	2	0.2	4.5	<0.05	0.30	0.08	0.112	<0.02	0.1	101
W591836		0.8	<0.002	0.26	0.37	3.3	2	0.2	10.3	<0.05	<0.05	0.08	0.032	<0.02	<0.1	28
W591837		2.0	<0.002	0.01	0.24	12.9	<1	0.2	168.5	0.10	<0.05	0.53	0.160	<0.02	0.3	157
W591838		0.7	<0.002	0.25	0.15	9.5	1	0.2	171.0	0.07	0.06	0.41	0.130	<0.02	0.2	106
W591839		0.3	<0.002	0.21	0.12	12.1	1	0.3	217	0.17	<0.05	0.58	0.207	<0.02	0.2	94
W591840		0.3	<0.002	0.85	0.33	2.4	3	<0.2	2.6	<0.05	<0.05	0.02	0.015	<0.02	<0.1	19
W591841		0.1	<0.002	0.85	5.87	4.7	4	<0.2	30.8	<0.05	0.27	0.07	0.013	<0.02	0.1	18
W591842		0.3	<0.002	0.54	0.17	5.0	4	<0.2	7.3	<0.05	0.06	0.06	0.037	<0.02	<0.1	32
W591843		0.1	<0.002	2.28	1.20	3.2	8	<0.2	8.7	<0.05	0.56	0.04	0.012	<0.02	<0.1	15
W591844		0.2	0.014	>10.0	1.10	4.1	96	0.5	59.4	<0.05	1.88	0.04	0.077	0.33	0.2	50
W591845		0.1	0.004	>10.0	0.54	29.9	27	0.2	40.5	0.19	0.54	0.22	0.630	0.17	0.6	190
W591846		0.1	<0.002	1.11	0.19	13.6	2	<0.2	2.6	<0.05	0.24	0.05	0.064	<0.02	<0.1	120
W591847		0.7	0.004	>10.0	0.78	20.6	49	0.5	60.9	0.14	0.83	0.19	0.501	0.09	0.4	168
W591848		1.2	0.003	9.71	0.95	46.0	16	0.8	34.6	0.25	0.48	0.33	0.905	0.67	1.5	303
W591849		0.2	<0.002	0.46	0.49	16.8	1	<0.2	12.5	0.30	0.11	0.66	0.229	<0.02	0.3	91
W591850		0.2	<0.002	1.49	0.23	1.5	1	<0.2	34.2	<0.05	<0.05	0.05	0.024	0.02	<0.1	18

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CERTIFICATE OF ANALYSIS WH18199704

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Co- OG62	Cu- OG62	Zn- OG62	Au- ICP21
	Analyte	W	Y	Zn	Zr	Co	Cu	Zn	Au
	Units	ppm	ppm	ppm	ppm	%	%	%	ppm
	LOD	0.1	0.1	2	0.5	0.0005	0.001	0.001	0.001
W591829		1.5	30.9	181	5.5		5.72		0.048
W591830		0.3	24.1	9	0.7				2.14
W591831		0.8	49.5	49	3.9		1.325		0.252
W591832		2.3	10.9	36	42.3				0.004
W591833		2.6	16.7	27	8.2		3.20		0.053
W591834		1.8	17.9	38	29.8				0.045
W591835		0.6	4.0	28	4.3		1.140		0.178
W591836		0.1	2.4	60	1.9				0.007
W591837		0.4	13.5	54	19.3				0.006
W591838		0.1	5.2	29	10.9				<0.001
W591839		0.3	9.3	13	19.0				0.004
W591840		0.1	0.5	17	0.7		1.160		0.004
W591841		0.1	7.8	22	1.0				0.018
W591842		0.1	1.1	524	2.2				<0.001
W591843		0.1	3.0	789	0.9		2.06		0.176
W591844		<0.1	3.0	584	7.0		3.66		0.052
W591845		0.2	14.3	171	41.1				0.006
W591846		1.1	2.5	136	2.4				0.002
W591847		0.2	8.7	248	28.8		1.265		0.023
W591848		0.3	27.6	586	67.7				0.006
W591849		3.7	7.2	152	26.2				1.280
W591850		0.3	3.5	18	3.8				0.006

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CERTIFICATE OF ANALYSIS WH18199704

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- ICP21	Co- OG62	Cu- OG62	ME- MS61
ME- OG62	Zn- OG62		