**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

## PROSPECTING AND SOIL GEOCHEMICAL SAMPLING

Field work performed between August 20 to 27, 2020

at the

## BIX PROPERTY

Bix 1-48 YE94601-YE94648

NTS 115P/15
Latitude 63°50′N; Longitude 136°37′W

located in the

Mayo Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

by

H. Burrell, P.Geo

January 2021

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## INTRODUCTION

The Bix property was staked in March 2020 to cover a tin breccia and skarn occurrence (Bix Occurrence (MINFILE 115P 031)). The property also hosts potential for skarn- and/or intrusion-related gold, silver, copper, and tungsten mineralization. The Bix property is wholly owned by Archer, Cathro & Associates (1981) Limited.

This report describes prospecting and geochemical sampling conducted by Archer Cathro from August 20 to 27, 2020. The author interpreted all the data in this report and her Statement of Qualifications is provided in Appendix I. A Statement of Expenditures appears in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The property is located 45 km northwest of Mayo in central Yukon, at latitude 63°50'00"N and longitude 136°37'44"W on NTS map sheet 115P/15 (Figure 1). The property comprises 48 contiguous claims, which cover 972 hectares (9.7 $km^2$). The claims are registered with the Mayo Mining Recorder in the name of Archer Cathro. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2. The Bix property lies within the traditional territory of the Na-cho Nyak Dun First Nation.

| Claim Name | Grant Number | Expiry Date* |
|---|---|---|
| Bix 1-48 | YE94601-YE94648 | April 7, 2026 |

* Expiry date includes 2020 work, which has been filed for assessment credit.

The Bix property can be accessed by helicopter from a base in Mayo or alternatively Dawson City. In 2020, a two person crew camped on the property. Helicopter support was provided by a Bell 206 LR helicopter operated by Fireweed Helicopters Ltd., from a seasonal base at the Mayo Airport, located 45 km southeast of the property.

## HISTORY AND PREVIOUS WORK

The McQuesten Mineral Belt is a well-known, but often overlooked district hosting over 185 documented mineral occurrences. The belt's importance was recognized in the 1940s when wood tin and crystal cassiterite were discovered in black sands from placer gold workings (Bostock, 1942 and 1964).

In 1979, Cominco Ltd. conducted a diamond drill program in the Sunshine Creek area of what is now the Bix property. Five diamond drill holes were completed to test two breccia zones (Zones A and B) collectively known as the Bix Occurrence. The drill core was only analyzed for tin, silver, copper, lead and zinc. Core from the program was stored at 4200' elevation above Sunshine Creek; however, the mineralized core intervals have reportedly been removed. The drilling was documented in two assessment reports (Butrenchuk, 1979 and 1980). Results from this drill program are discussed in Historical Diamond Drilling section below.

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 1

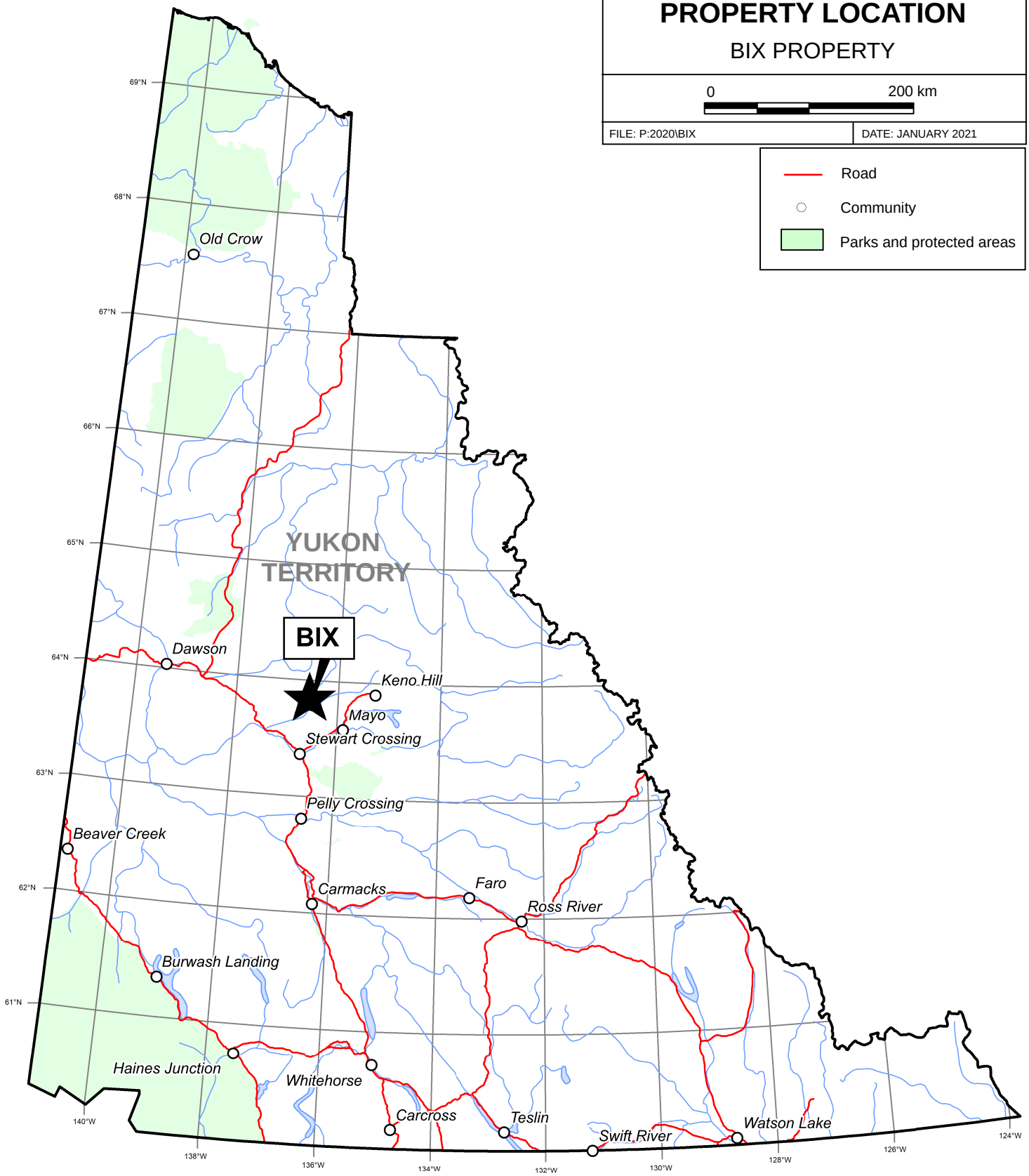
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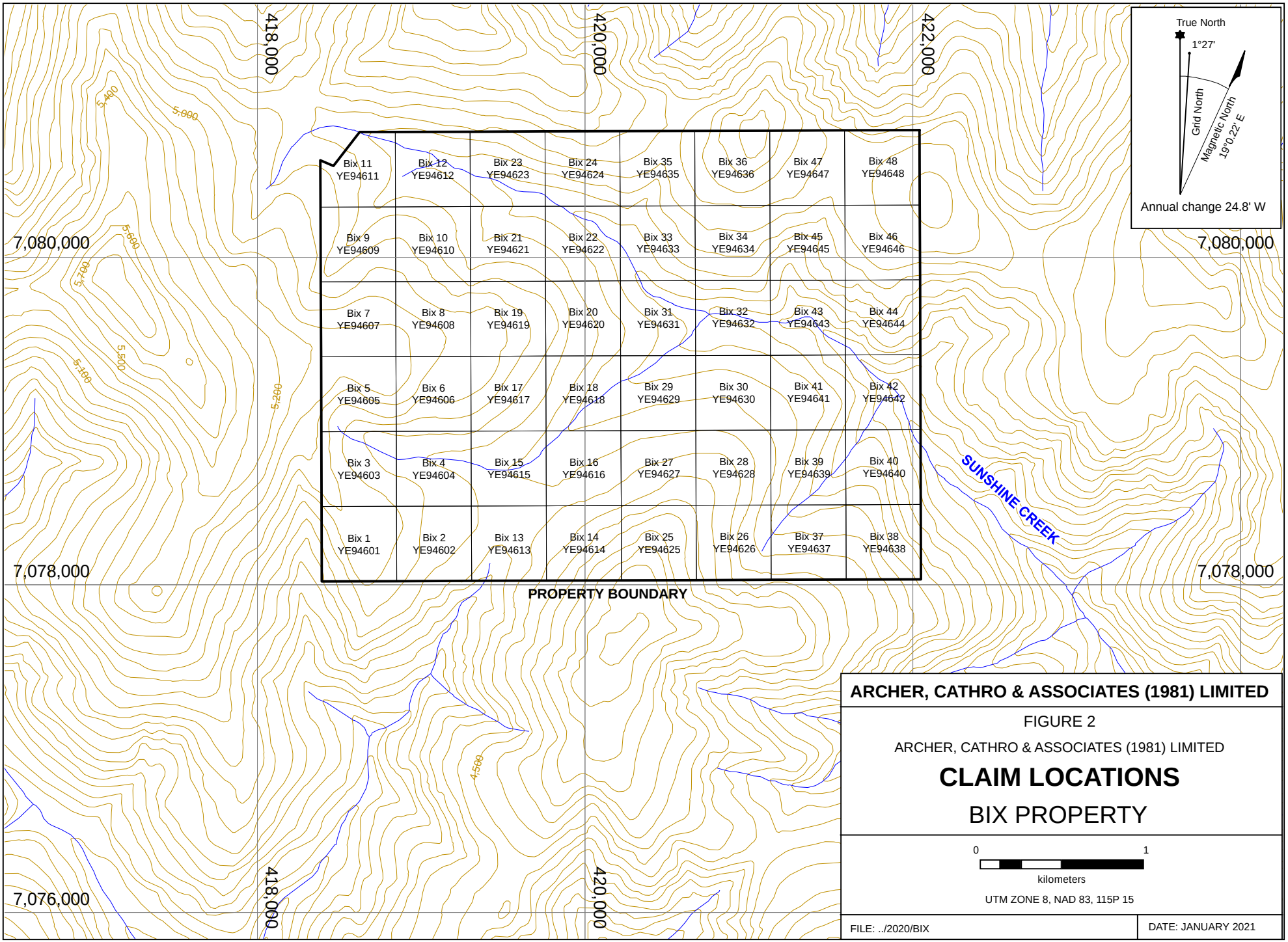
# PROPERTY LOCATION

BIX PROPERTY

0 200 km

FILE: P:2020\BIX | DATE: JANUARY 2021






**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# CLAIM LOCATIONS

## BIX PROPERTY

0 1

kilometers

UTM ZONE 8, NAD 83, 115P 15

FILE: ../2020/BIX

DATE: JANUARY 2021

The year after the drill program a 1:10,000 scale mapping and heavy pan concentrate sampling program was conducted (Hawkins, 1981).

In September, 1980, exploration was conducted in the Bix Occurrence area on behalf of Pacific Ridge Resources Corporation (Hawkins, 1981). Thirty-three heavy pan concentrates were collected from the Sunshine Creek area and a 1:10,000 scale geological map was completed. Results from the heavy pan concentrate sampling in Sunshine Creek were positive. Samples collected from ground underlain by the Sunshine Creek Stock returned 0.26%, 0.16% and 0.12% tin and 0.01 oz/ton (342 ppb) gold and 0.007 oz/ton (239 ppb) gold. Pacific Ridge subsequently dropped its option and none of the anomalous heavy pan concentrates were followed up.

In 1993, the Yukon Geological Survey conducted regional mapping in the Sunshine Creek area. During this work a sample (93DH-26d) was collected from the Sunshine Creek stock in the Bix Occurrence area. The sample was described as limonite breccia with quartz and sulphide coated fractures spatially associated with the stock. This sample returned 28 ppb gold, 48 ppm silver, 727 ppm copper, 2.1% lead, 2408 ppm zinc, 200 ppm tin, 16 ppm antimony, 11 ppm molybdenum, 47 ppm bismuth, 90 ppm tungsten and 52 ppm barium.

In 1997, the YGS published a bulletin on the Geology of the McQuesten River region that included much of the data collected in 1993 (Murphy, 1997).

In 2011, Goldspike Exploration Inc. conducted soil, silt and rock geochemical surveys along with prospecting on claims that overlap the current Bix property (Koffyberg, 2012). The focus of this exploration program was intrusion-related gold mineralization, so no analyses were done for tin. Ridge and spur soil lines resulted in only four anomalous gold-in-soil sample locations, one of which falls within the current Bix property. No further work was completed by Goldstrike and the claims were allowed to lapse.

## GEOMORPHOLOGY

The Bix property is located northeast of the Tintina Trench within the Stewart Plateau. Local creeks drain either northward into the North McQuesten River or southeast into the main McQuesten River, both of which are part of the Yukon River drainage system. The Stewart Plateau consists of a series of tablelands incised by broad, deeply-cut valleys. Most of the drainages were affected by Pleistocene glaciation, but at higher elevations, thin layers of weathered and mass-wasted bedrock partially blanket bedrock.

Elevations on the property range from approximately 600 to 1500m. The entire property lies below treeline and is vegetated by a boreal forest of shrub birch, pine, white spruce, and subalpine fir. Valley glaciers in the area topped at about 1350m.

The climate at the Bix property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively warm, snowfall can occur in any month. The property is mostly snow free from late May to early October.

## REGIONAL GEOLOGY

Neoproterozoic to late Paleozoic slope-to-basin facies strata of the Selwyn Basin dominate the region around the Bix property (Figure 3). The Selwyn Basin developed along a divergent margin during Neoproterozoic rifting along the northwestern flank of Laurentia (Mair et al., 2006). Neoproterozoic to Early Cambrian clastic deposits are the oldest exposed strata and are overlain by a thin succession of Early Cambrian to Early Devonian basinal strata and minor volcanic rocks (Mair et al., 2006).

In the region surrounding the Bix property Selwyn Basin stratigraphy is disrupted by three main north- to northwest-directed thrust faults. These are from north to south, the Dawson, Tombstone and Robert Service thrusts (Figure 3; Murphy, 1997; Mair et al., 2006). Proterozoic strata of the Mackenzie Platform underlie the area north of the Dawson Thrust. The hanging wall of the Tombstone Thrust is comprised of a thick and aerially extensive package of highly deformed rocks referred to as the Tombstone Strain Zone (Murphy, 1997). This zone is several kilometres thick and extends upwards from the Tombstone Thrust and into the lower part of the overlying Robert Service Thrust sheet (Murphy, 1997). The strain zone is mostly comprised of Devonian to Mississippian rocks of the Earn Group including a thick package of the Keno Hill Quartzite (Figure 3). Neoproterozoic to Paleozoic slope-to-basin facies strata of the Hyland Group underlie the area south of the Robert Service Thrust. The major thrust faults developed during Early Jurassic to Early Cretaceous collisional orogeny are gently dipping. The regionally developed McQuesten Antiform was developed synchronous with the latter stages of thrusting and defines a northeast trending structural culmination that runs through the immediate area of the Bix property (Figure 3).

Deformation related to thrusting waned by the mid-Cretaceous and was followed by the emplacement of a northward-younging series of orogen-parallel, felsic to intermediate postcollisional plutonic suites from ca. 112 to 90 Ma (Mortensen et al., 2000; Mair et al., 2006). This belt of intrusive rocks is referred to as the Tombstone-Tungsten Belt, which is subdivided into the Tombstone, Mayo and Tungsten suites (Mortensen et al., 2000; Baker and Lang, 2001; Hart et al., 2004; Mair et al., 2006). Collectively, these suites form a narrow, west-northwest-trending group of plutons that extends for 550 km, from the Northwest Territories across central Yukon, continuing through east-central Alaska.

Younger intrusions of the McQuesten Suite occur within an east-northeast trending belt, mostly found within the hanging wall of the Robert Service Thrust; however, small plugs of the suite occur within the footwall of the Dawson Thrust. One small plug of McQuesten suite is thought to be associated with the Tiger gold deposit. The age of the McQuesten Suite is ca. 67- 64 Ma and is generally comprised of two mica granite to monzonite. The belt of McQuesten Suite rocks has been offset along the Tintina Fault system with the continuation of the belt occurring in central Alaska where they host significant porphyry copper-gold mineralization (McCoy et al., 1997; Woodman, 2018). This suite's radiogenic, peraluminous nature suggests melting of old crustal material, but the geodynamic setting of melting at this time is essentially unconstrained (Murphy, 1997).

Regional lithologies surrounding the Bix property are described in Table I below.

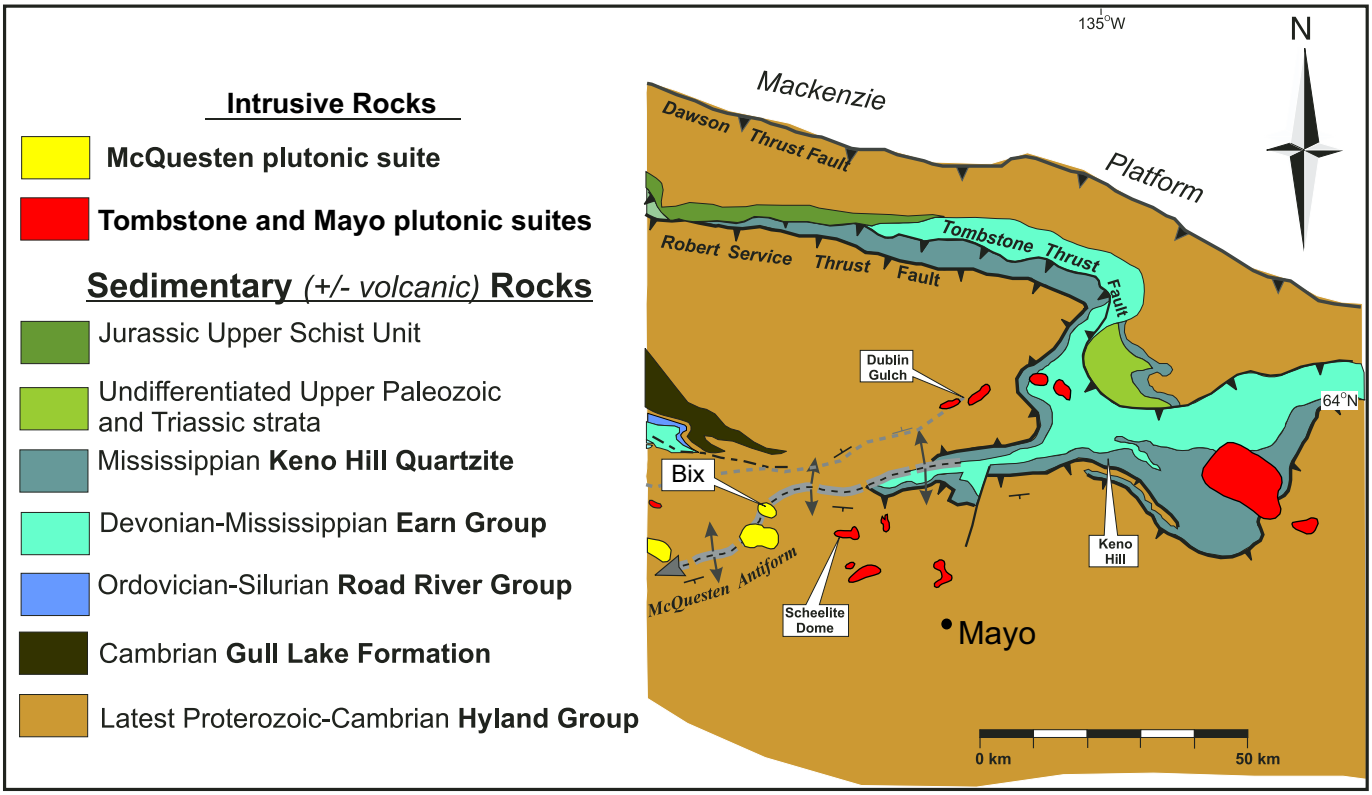



Figure 3. Regional geology surrounding the Bix Property.

**Table I - Regional Lithological Units (*After YGS*, 2020)**

| Name | Age | Unit | Description |
|---|---|---|---|
| McQuesten Suite | Late Cretaceous | LKqM | Medium to coarse-grained, locally porphyritic and K-feldspar megacrystic biotite-muscovite granite and quartz monzonite. |
| Tombstone Suite | Mid Cretaceous | MKT | Plutonic suite dominated by felsic (q) to syenitic (y) and minor intermediate (g) compositions<br>**q:** medium to coarse-grained, locally porphyritic biotite hornblende, clinopyroxene granite<br>**g:** quartz monzonite, granodiorite, quartz diorite<br>**y:** medium to coarse-grained biotite-hornblende-clinopyroxene syenite, quartz syenite; tourmaline orbicular granite; hornblende biotite alkali-feldspar syenite; hornblende biotite monzogranite; clinopyroxenite, diorite, and pseudoleucite tinguaite. |
| Mayo Suite | Mid Cretaceous | MKqM | Medium-grained, equigranular biotite granite; K-feldspar porphyritic granite; aplite-pegmatite dykes. |
| Tungsten Suite | Mid Cretaceous | MKTu | Fine-grained equigranular, medium to coarse-grained and K-feldspar porphyritic or megacrystic, ilmenite and monazite-bearing biotite monzogranite and leucogranite; locally miarolitic, aplite ± pegmatic ± quartz-feldspar-(biotite) porphyry dykes |
| Keno Hill Quartzite | Mississippian | CT1,2 | Massive to thick-bedded quartz arenite, quartzite interlayered with black shale or carbonaceous phyllite; black to silvery shale or carbonaceous phyllite with minor quartzite interlayers |
| Earn Group | Devonian to Mississippian | DME1 DEM3 | 1, thin-bedded laminated slate with interbedded fine to medium-grained chert-quartz arenite and wacke; local chert pebble conglomerate; 2, massive felsic to intermediate volcanic flows, tuffs and subvolcanic plugs; locally highly altered; greenisch chert and minor black slate; quartz-sericite schist |
| Hyland Group | Neoproterozoic to Ediacaran | PCH6 | Brown to pale green shale, quartz-rich sandstone, grit, pebble conglomerate. |

## REGIONAL METALLOGENY

The Bix property lies within the McQuesten River area and is part of the Tintina Gold Province (Figure 4). The Tintina Gold Province is a 2,000-km-long belt across the central Yukon and interior Alaska containing numerous gold deposits and districts that formed during Jurassic to Cretaceous orogenesis. Significant developed and undeveloped gold deposits include Donlin Creek (24.3 million ounces (Moz)), Pogo (5.8 Moz), Fort Knox (5.4 Moz), Eagle/ Dublin Gulch (4.1 Moz), Brewery Creek (0.85 Moz) and True North (0.79 Moz) (Figure 4). It has been postulated that many deposits of the Tintina Gold Province are best classified as intrusion-related gold systems due to the spatial and temporal association of many of the gold deposits with felsic to intermediate plutonic rocks (Thompson et al., 1999; Thompson and Newberry, 2000; Mair et al., 2006; Hart, 2007).

The region surrounding the Bix property is host to most of the intrusion-related gold systems associated with the Tombstone-Tungsten Belt, including Brewery Creek, Clear Creek, Scheelite Dome and Eagle/ Dublin Gulch (Figures 3 and 4).

Deposits of the Tombstone Belt exhibit a variety of mineralization styles. Gold occurrences within the mid-Cretaceous intrusions are predominantly hosted in sheeted, low sulfide quartz veins in the cupolas of intrusions. Occurrences in adjacent hornfels are more variable in style, with sheeted tension veins, fault veins, reduced skarns, and disseminated ores (Hart et al., 2004; Mair et al., 2006). Gold is typically associated with variable enrichments of W, Bi, Te, As ± Sb, and Mo and typically occurs in four settings:

1. Intrusion-hosted deposits;
2. Proximal settings adjacent to intrusions and within contact aureoles;
3. Distal settings away from intrusions and their thermal aureoles; and,
4. Discrete quartz-sulphide veins within all settings.

Intrusion-hosted mineralization is often characterized by sheeted, low sulphide, quartz ± carbonate veins or disseminations of gold and accompanying sulphide minerals in weakly altered zones within the intrusions. The veins may be pegmatitic in part and they are generally concentrated in the roof or margin zones of the pluton. The best example of intrusion-hosted sheeted vein mineralization is the Fort Knox deposit in the Fairbanks District of Alaska. Noteworthy Yukon examples of the sheeted vein type mineralization are the Clear Creek occurrence and the Eagle Zone of the Dublin Gulch Deposit (Figure 4). The latter deposit contains 91.6 million tonnes of probable mineral reserves at a grade of 0.78 g/t gold. The best documented Yukon deposit of the disseminated intrusion-hosted type are some of the zones that comprise the Brewery Creek Mine, located ~50 km east of Dawson City. A total of 9.46 million tonnes of ore, at an average grade of 1.53 g/t gold, were heap leached from 1996 to 2000 (Diment and Simpson, 2003). The aggregate pre-mining mineral resource was estimated at 40 million tonnes grading 1.4 g/t gold (Hart, et al., 2000).

Proximal, country-rock hosted mineralization includes skarns, replacements and disseminations in thermally metamorphosed and metasomatized aureoles that surround Tombstone Suite plutons. Precious metal bearing skarns are locally developed within limy units and consist of

# STRATEGIC METALS LTD.

FIGURE 4

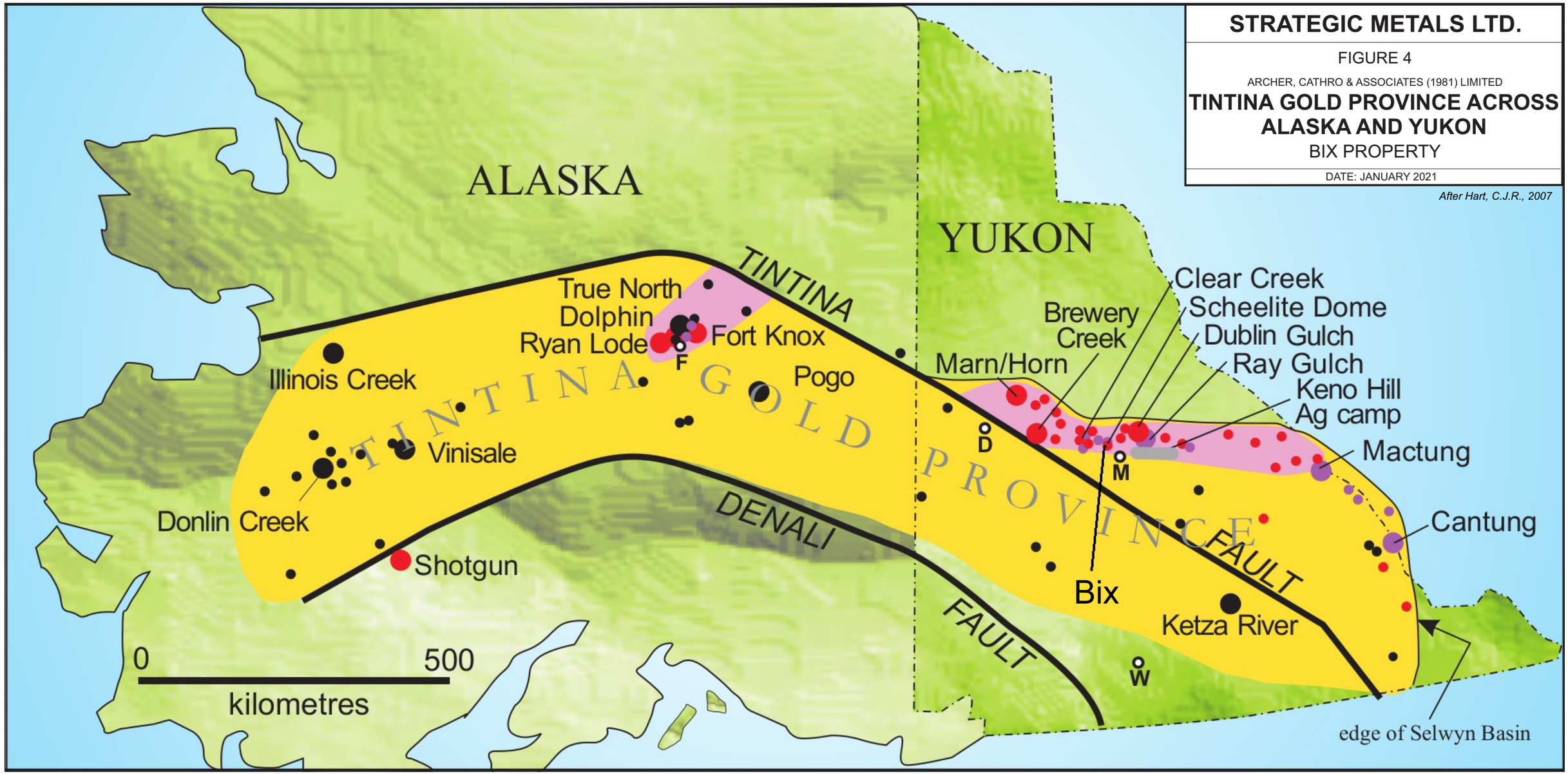
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## TINTINA GOLD PROVINCE ACROSS ALASKA AND YUKON

BIX PROPERTY

DATE: JANUARY 2021

*After Hart, C.J.R., 2007*



coarse grained silicate assemblages dominated by pyroxene and garnet with lesser wollastonite, tremolite, and axinite. Sulphide assemblages include pyrrhotite and chalcopyrite with late pyrite, bismuthinite and gold or argentian gold overprints. The Marn, Horn and Mike Lake copper-gold skarn occurrences are the best documented Yukon examples of proximal skarns. Replacement and disseminated gold mineralization has been reported in reactive sedimentary rocks within hornfelsed aureoles of several intrusions but there are few well explored examples. Mineralogy within hornfels is typified by coarse grained pyrrhotite, arsenopyrite and pyrite as irregular blebs and replacements.

In the McQuesten River area, there are numerous tin ± silver occurrences that are associated with two-mica granites, while tungsten ± gold occurrences are associated with less evolved biotite-hornblende granite, quartz monzonite, and granodiorite (Emond and Lynch, 1992). Two styles of tin and tungsten mineralization are typical of the McQuesten River area, (1) skarns, and (2) veins and breccias (Emond and Lynch, 1992)

Skarn mineralization typically develops within the Hyland Group carbonates and other calcareous units within Selwyn Basin stratigraphy at or near contacts with mid- to Late Cretaceous intrusions. Tin skarn occurrences are found at the Bix, Boulder Creek (115P 048) and Snark (115P 008b) Minfile occurrences. Tungsten skarn occurs at Scheelite Dome (115P 004), Lugdush (115P 009), Rhosgobel (115P 012) and Ray Gulch (106D 027) (Emond and Lynch, 1992).

Veins, breccias and sheeted veins containing tin and tungsten can also occur near dyke and plutonic contacts within surrounding metasedimentary rocks. Sheeted veins in some cases extend from the pluton several hundred metres into the country rock. Most veins and breccias dip steeply and are fault or joint controlled (Emond and Lynch, 1992). Breccias typically consist of a combination of host rock fragments with vein material clasts in a fine-grained matrix of the same material. Vein material can either be quartz, tourmaline or chlorite (Emond and Lynch, 1992). Vein types can be subdivided into the same three dominant mineral assemblages:

a) quartz ± tourmaline, orthoclase, cassiterite, scheelite, topaz;
b) tourmaline ± sulphides, cassiterite; and
c) chlorite ± cassiterite, sulphides, biotite, muscovite.

The McQuesten River area has gold as well as tin-tungsten potential. Most skarns and several veins are gold-bearing, but there is no direct correlation between gold, tin and tungsten. However, skarns in this area often show a strong positive correlation between gold and bismuth (Emond and Lynch, 1992).

## PROPERTY GEOLOGY

The Bix property has a mix of areas with little to no outcrop and creeks and some slopes where bedrock exposure is moderate. A generalized geological map of portions of the property was completed by Hawkins (1981) and provides the best detail to date (Figure 5). The property is mostly underlain by meta-siliciclastic rocks of the Yusezyu Formation, part of the regionally extensive Hyland Group. At the Bix property the Yusezyu Formation comprises foliated and

lineated quartzo-feldspathic and micaceous psammite, and interlayers of quartz-muscovite and quartz-biotite schist. Less common, but locally important, are gritty to pebbly psammite, metamorphosed pebble conglomerate, foliated phyllite, marble, and calc-silicate rocks (Hawkins, 1981; Murphy, 1997). Much of the eastern portion of the property is underlain by the Sunshine Creek stock, a McQuesten suite pluton. The stock is characterized by unfoliated but variably altered quartz monzonite and quartz-feldspar porphyry. Locally the stock has a greisen texture. A sample of the Sunshine Creek was analysed for U/Pb zircon geochronology and returned an age of 64.8 ± 1.0 Ma (Murphy, 1997). Several outcrops of aplite occur on the property intruding the metasedimentary rocks and apparently cut the Sunshine Creek stock (Koffyberg, 2012). The aplites are likely a younger phase of the McQuesten suite.

Foliations within the metasedimentary units generally strike south to southwest with moderate to steep west to northwest dips. A few northwest striking foliations suggest some folding exists and a cross-section through the property shows a north trending antiform developed within the metasedimentary rocks, centred on Sunshine Creek (Figure 6). North to northeast striking faults were identified in the northern part of the property as were several similarly orientated breccia bodies (Figure 5).

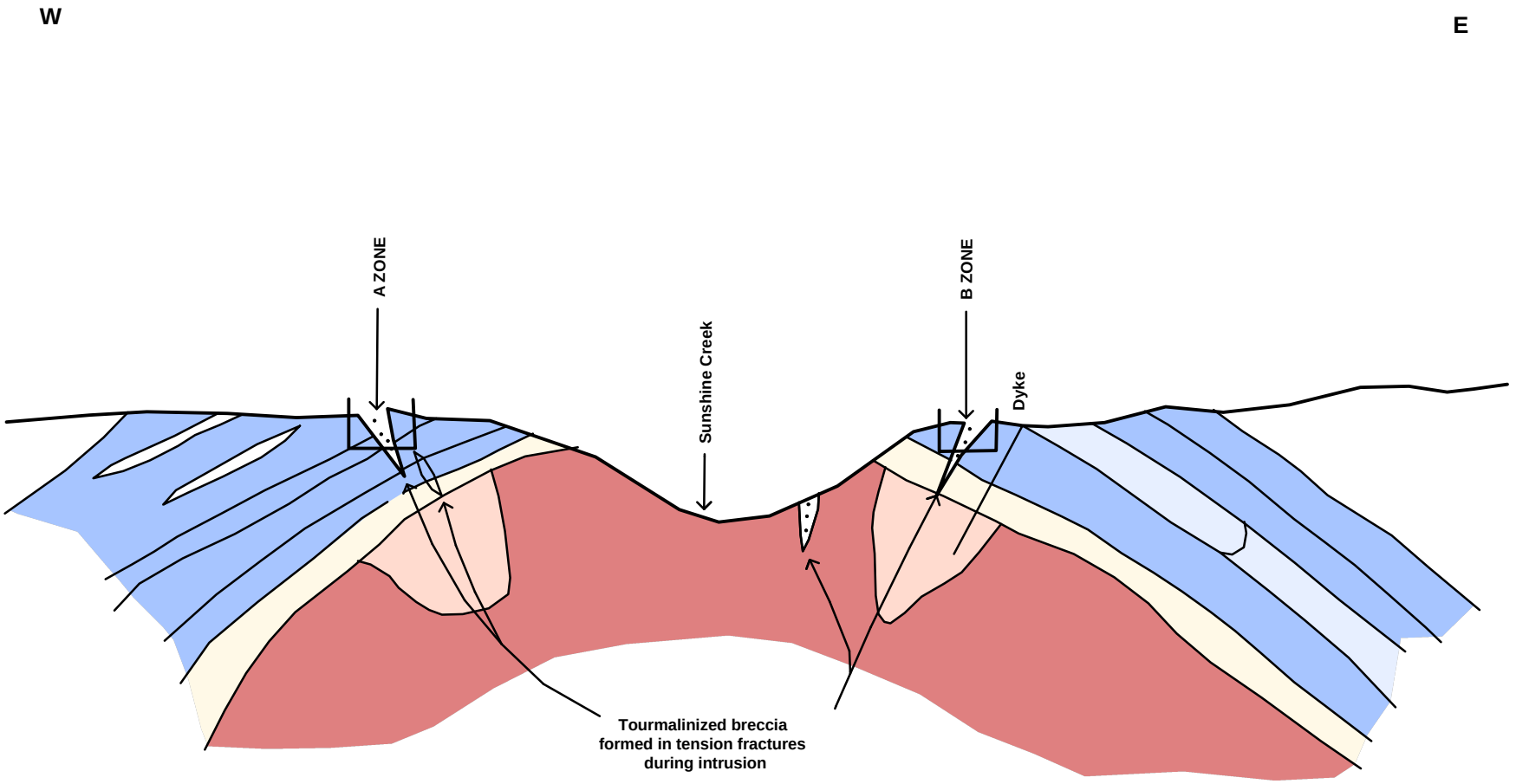
## MINERALIZATION

The Bix Occurrence is a tin prospect in the McQuesten Mineral Belt. The original discovery was a tin and silver breccia zone hosted in the Yusezyu Formation near the Sunshine Creek stock. The two main historical targets (Zones A and B) on the Bix property are breccias characterized by quartzite fragments within a quartz-orthoclase-tourmaline-cassiterite matrix. The breccia at Zone A is 1 to 10 m wide and at least 200 m long, while the Zone B breccia is 1 to 5 m wide and extends for at least 10 m (Hawkins, 1981; Koffyberg, 2012). The breccias in both zones are developed within the hornfelsed country rock surrounding or above the Sunshine Creek stock (Figure 5). The breccias have been interpreted as zones of extension formed during intrusion of the Sunshine Creek stock and subsequent doming of the surrounding host rocks (Figure 6; Hawkins, 1981).

Historically tin was the primary element of interest at the Bix property; however, two heavy pan concentrates returned significant gold values of 239 ppb (0.007 oz/ton) from Zone A and 342 (0.01 oz/ton) from just south of Zone B (Figure 7). The potential for intrusion-related gold has not received much follow up work; however, based on the postulation that the gold deposits in the Tintina Gold Province are spatially and temporally associated with felsic to intermediate plutonic rocks (Hart, 2007) – the gold potential at the Bix property is also a viable exploration target.

## HISTORICAL DIAMOND DRILLING

Diamond drilling was conducted on the Bix property in 1979 by Cominco Ltd. Five drill holes were completed for a total of 673 m (Table II). The drill program was designed to test the breccias at Zones A and B (Figure 7).




Quartz Monzonite
Phyllite
Quartz, quartz-feldspar porphyry
Quartz-biotite-chlorite schist
Limestone skarn
Greisen

Possible targets:
1) Quartz-greisen veins SW-W (Pb, Zn Ag, Cu)
2) Greisenized granite SW-W
3) Skarn W-SW

*after Hawkins (1981)*

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# CROSS SECTION

## BIX PROPERTY

UTM ZONE 8, NAD 83, 115P 15

FILE: ../2020/BIX

DATE: JANUARY 2021

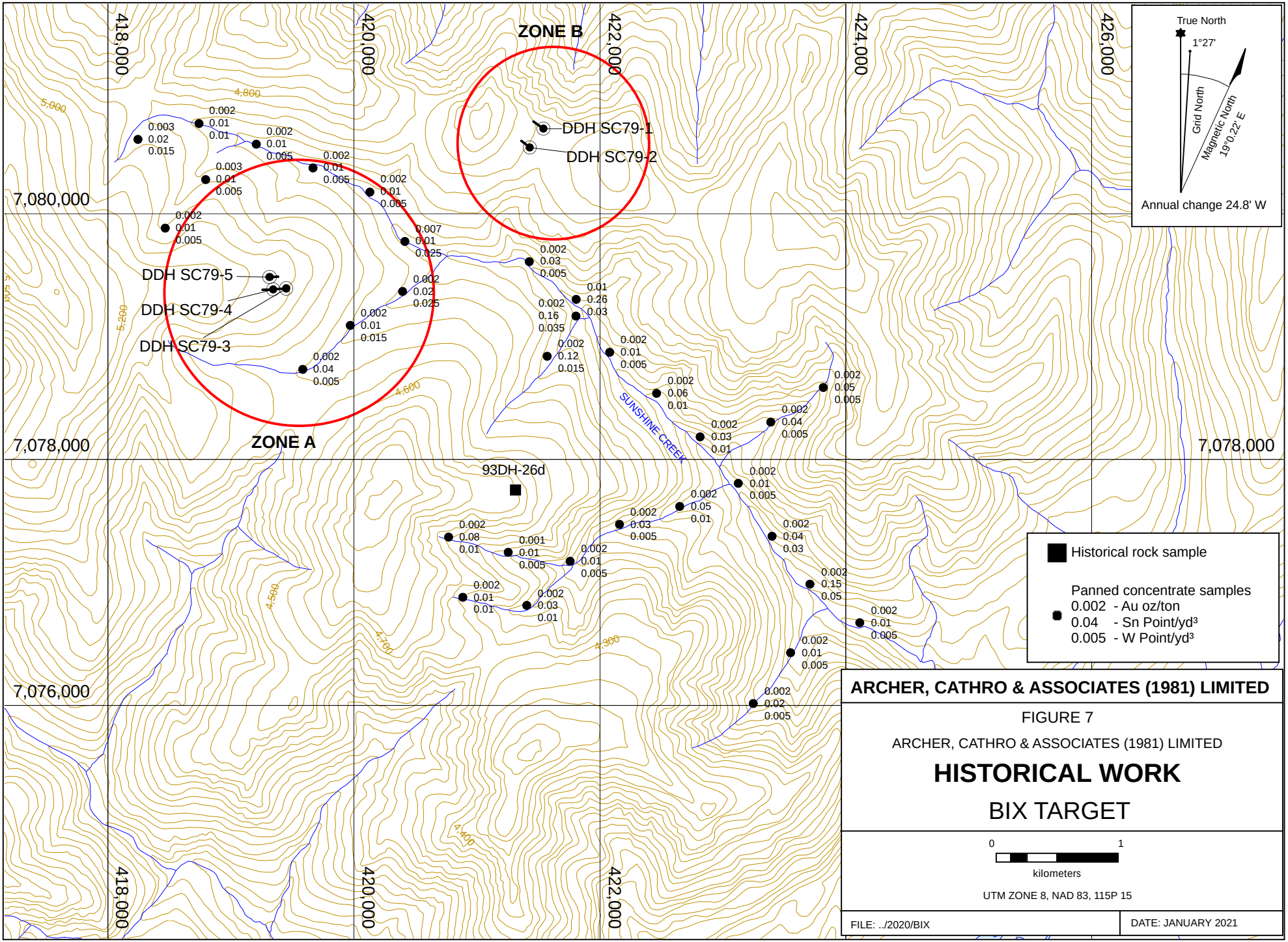

ZONE A
ZONE B
DDH SC79-1
DDH SC79-2
DDH SC79-3
DDH SC79-4
DDH SC79-5
93DH-26d
SUNSHINE CREEK
418,000
420,000
422,000
424,000
426,000
7,080,000
7,078,000
7,076,000
4,800
5,000
5,200
4,600
4,500
4,700
4,300
4,400
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Historical rock sample
Panned concentrate samples
0.002 - Au oz/ton
0.04 - Sn Point/yd³
0.005 - W Point/yd³
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
HISTORICAL WORK
BIX TARGET
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021

**Table II – Historical Diamond Drilling**

| Hole | Zone | Azimuth (º) | Dip (º) | Depth (ft) |
|---|---|---|---|---|
| SC79-1 | B | 310 | -50 | 427 |
| SC79-2 | B | 310 | -50 | 447 |
| SC79-3 | A | 270 | -65 | 437 |
| SC79-4 | A | 295 | -60 | 434 |
| SC79-5 | A | 090 | -60 | 463 |

Drill holes SC79-1 and SC79-2 tested Zone B, while drill holes SC79-3, -4 and -5 tested Zone A. Results from SC79-1, -2 and -3 were subdued. Results from SC79-4 and -5 are highlighted below. Only significant values are reported (from Butrenchuk, 1980).

The best results from SC79-4 were:

- 0.28% tin over 25' (7.62 m); and,
- 0.15% tin over 5' (1.52 m)

The best results from SC79-5 were:

- 0.28% tin over 5' (1.53 m); and,
- 0.26% tin over 5' (1.53 m).

## SOIL GEOCHEMISTRY

Before the 2020 field season, the only reported soil sampling on the property was ridge and spur sampling done by Goldstrike when it was exploring for intrusion-related gold (Koffyberg, 2012). Several samples from that program returned anomalous values of both gold and copper.

In 2020, Archer Cathro collected 609 grid soil samples covering just over half of the property. Sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath driven into the ground. Soil samples were collected from 15 to 55 cm deep holes dug by hand-held auger and placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Global Ltd. (ALS) in Whitehorse, Yukon where they were dried and screened to -180 microns. The fine fractions were then shipped to ALS in North Vancouver, British Columbia where they were analysed for 48 elements using a four-acid digestion, followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are provided in Appendix III.

The 2020 samples locations are shown on Figure 8, while thematic soil results for gold, silver, arsenic, copper, lead, tin, zinc and tungsten can be seen on Figures 9 to 16, respectively. Anomalous thresholds and peak values for soil results are listed in Table III below.

419,000

420,000

7,081,000

4,800

4,700

True North

1°27'

Grid North

Magnetic North

19°0.22' E

Annual change 24.8' W

PROPERTY BOUNDARY

7,080,000

7,080,000

4,600

7,079,000

7,079,000

7,078,000

7,078,000

419,000

420,000

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# SOIL SAMPLE LOCATIONS

## BIX PROPERTY

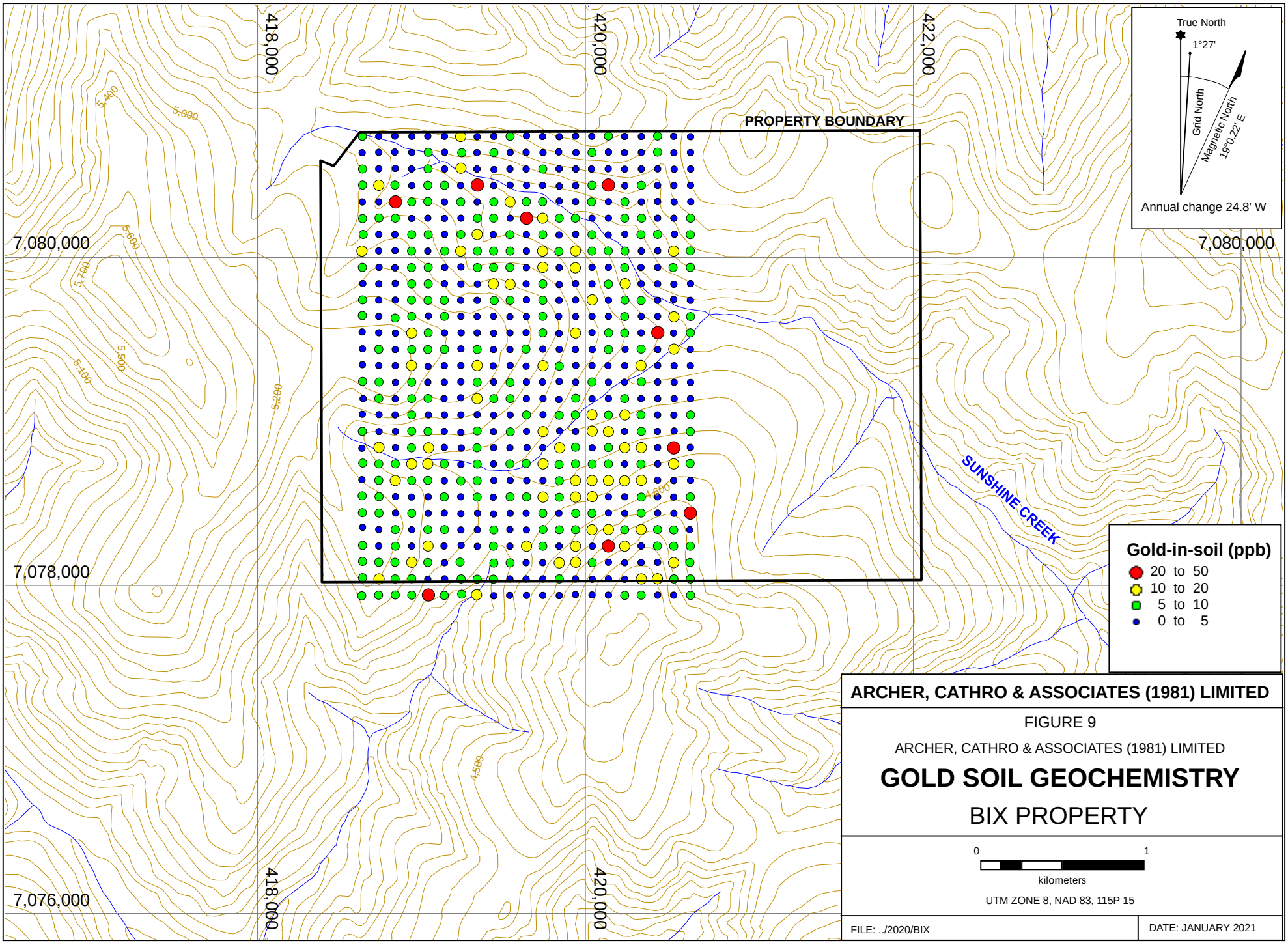
0 500

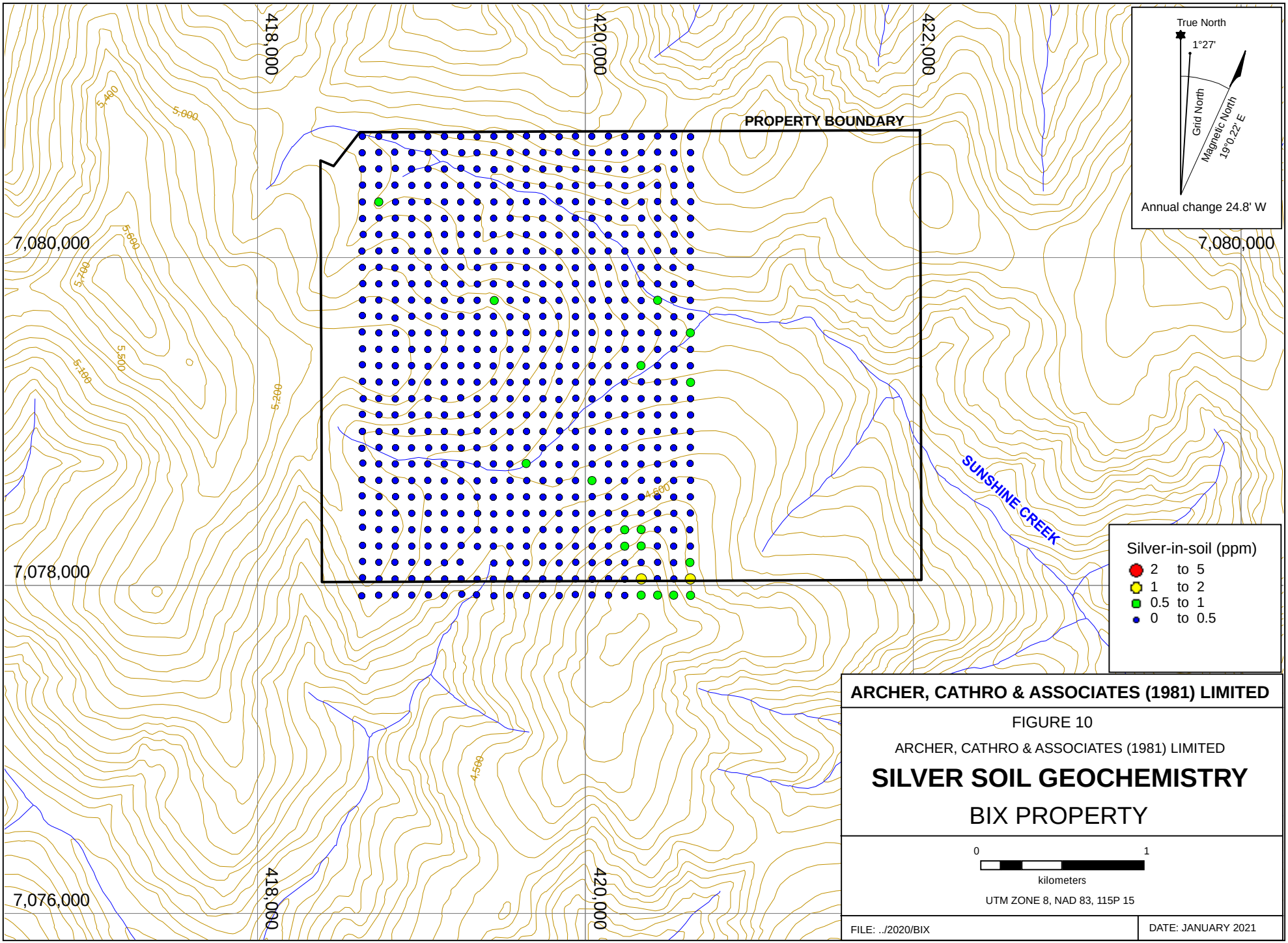
meters

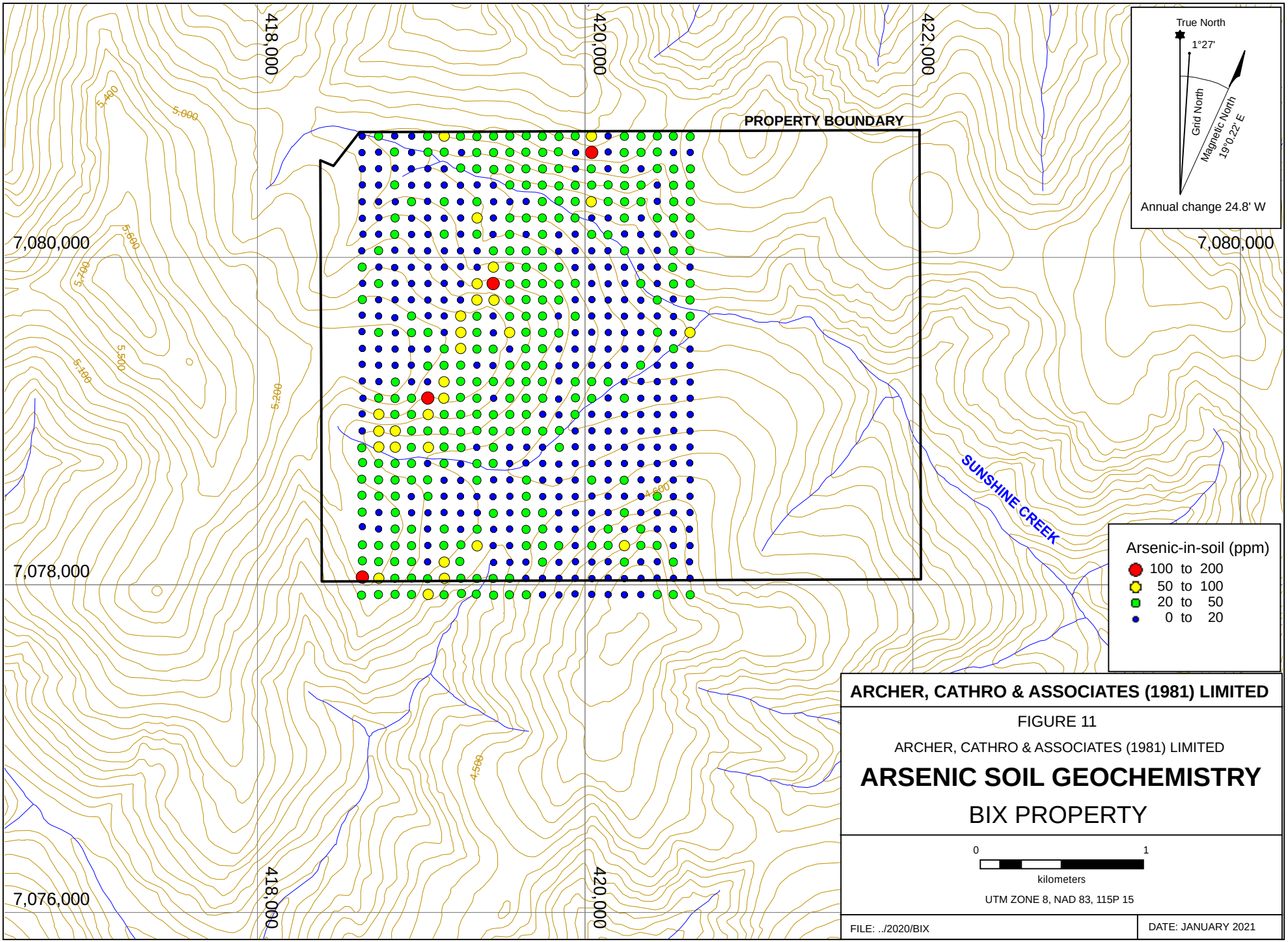
UTM ZONE 8, NAD 83, 115P 15

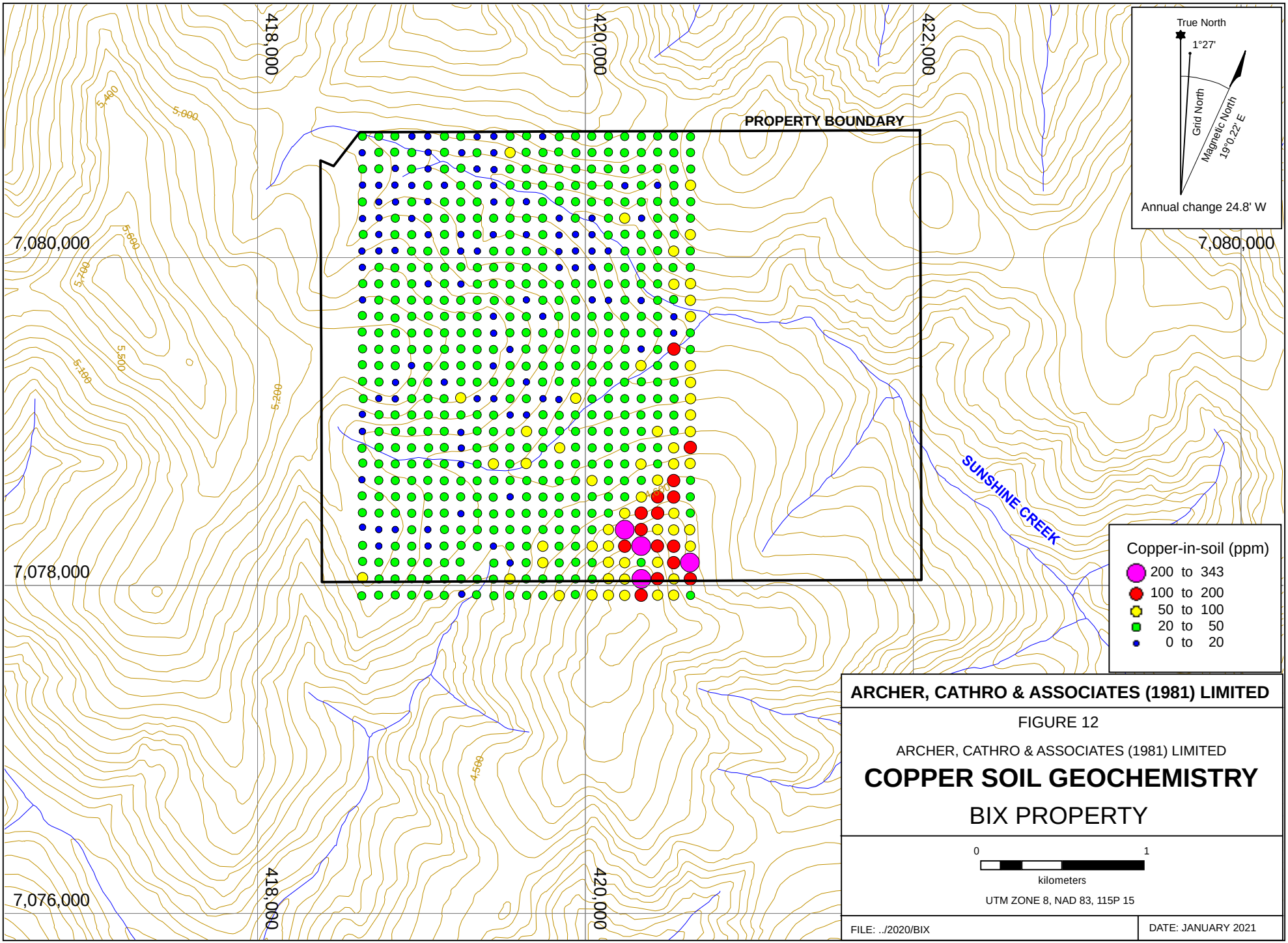
FILE: ../2020/BIX

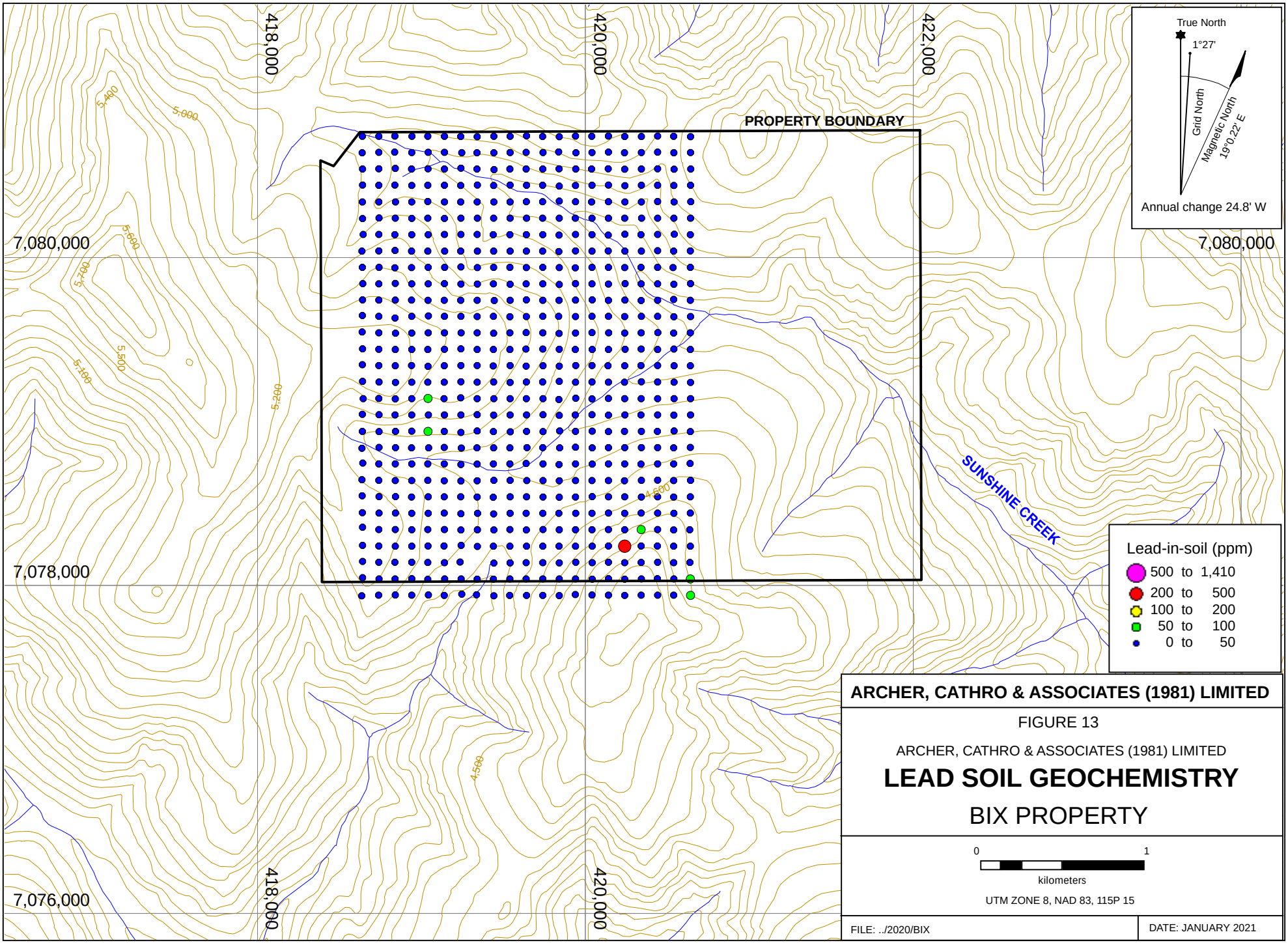
DATE: JANUARY 2021


418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
PROPERTY BOUNDARY
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Gold-in-soil (ppb)
20 to 50
10 to 20
5 to 10
0 to 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,600
5,700
5,500
5,100
5,300
5,000
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Silver-in-soil (ppm)
2 to 5
1 to 2
0.5 to 1
0 to 0.5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
PROPERTY BOUNDARY
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Arsenic-in-soil (ppm)
100 to 200
50 to 100
20 to 50
0 to 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
PROPERTY BOUNDARY
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,900
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Copper-in-soil (ppm)
200 to 343
100 to 200
50 to 100
20 to 50
0 to 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021




**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 13

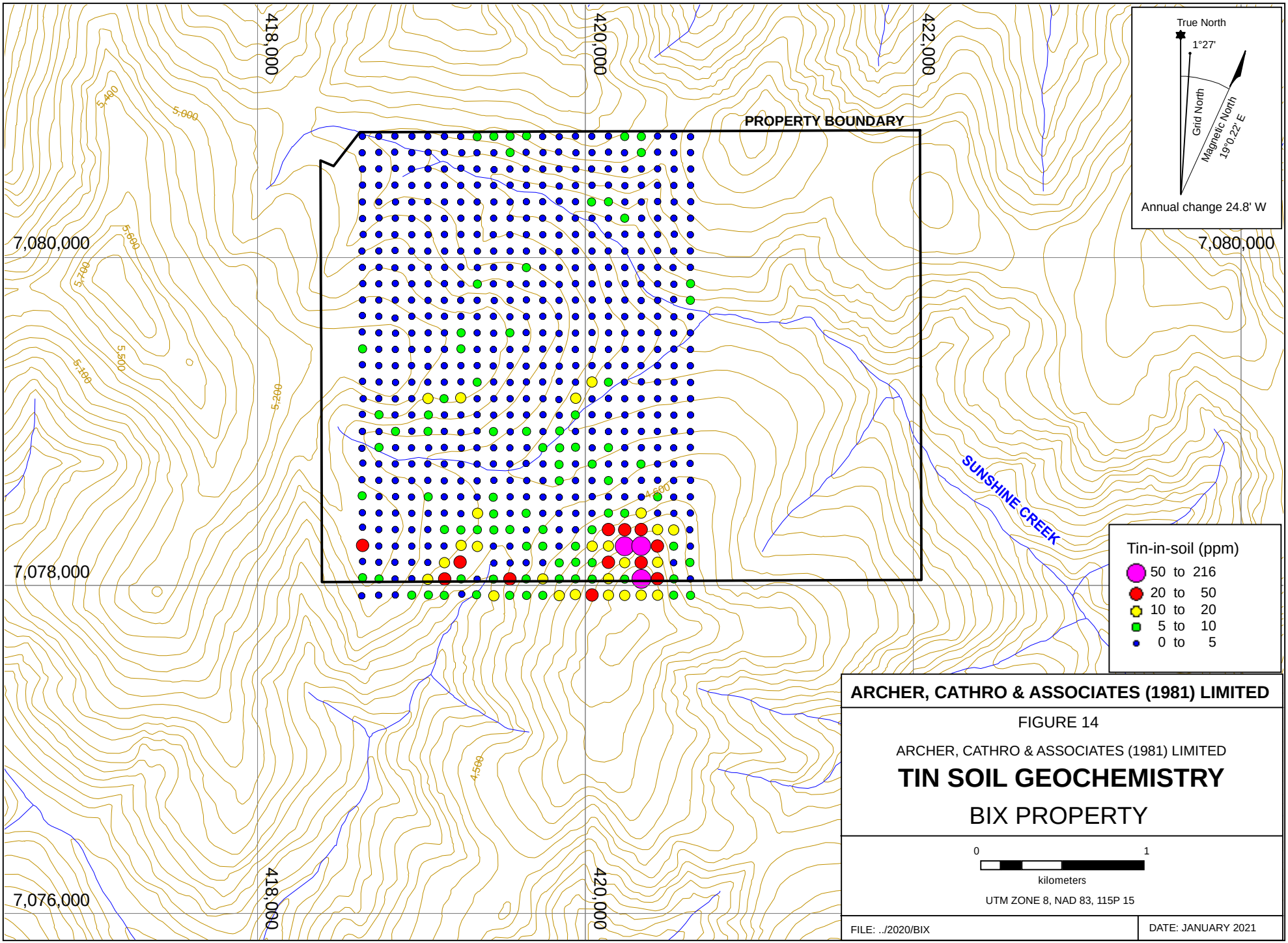
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

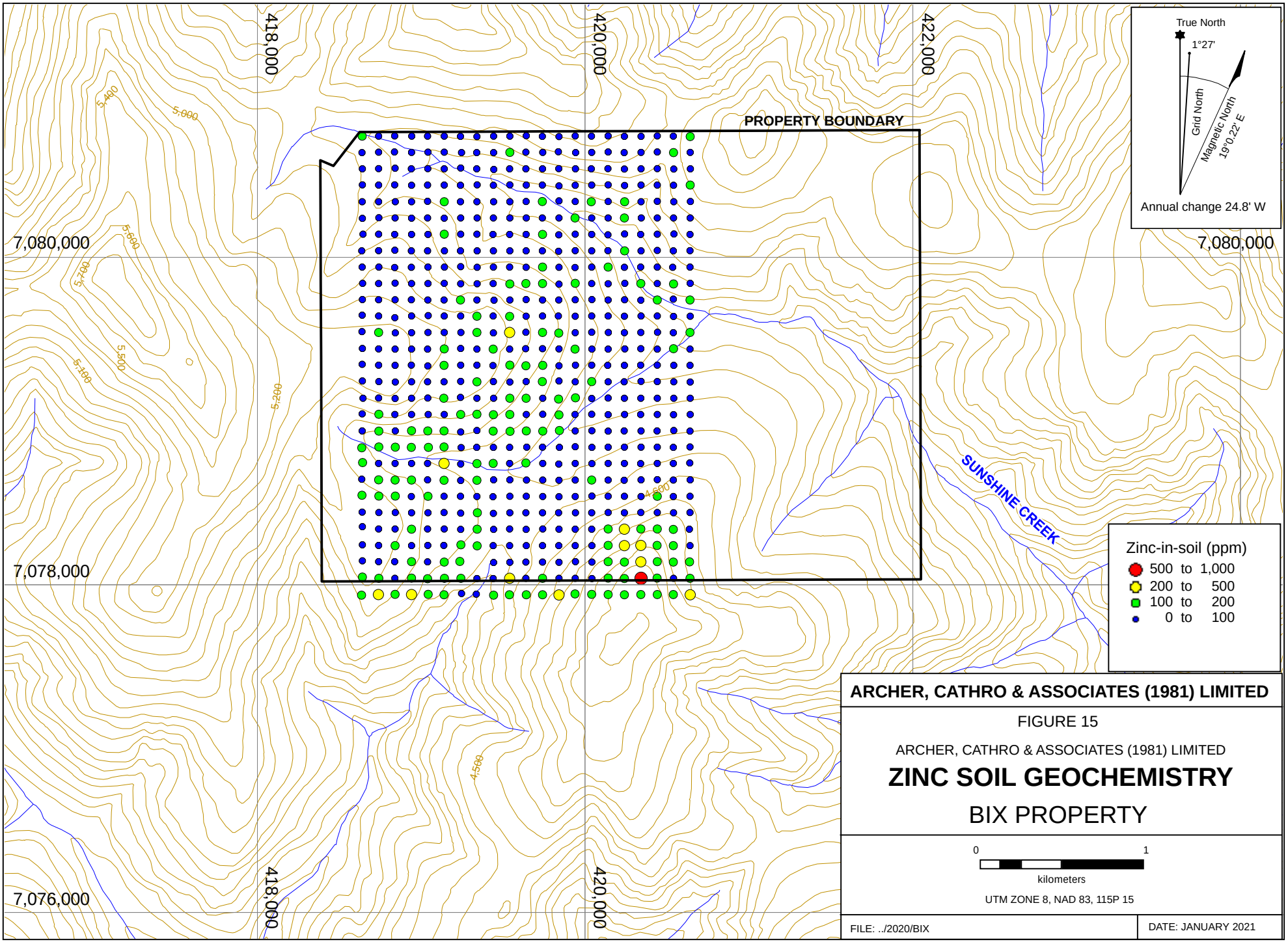
# LEAD SOIL GEOCHEMISTRY

## BIX PROPERTY

FILE: ../2020/BIX

DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,600
5,700
5,500
5,100
5,300
4,600
4,500
5,000
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Tin-in-soil (ppm)
50 to 216
20 to 50
10 to 20
5 to 10
0 to 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TIN SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
PROPERTY BOUNDARY
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Zinc-in-soil (ppm)
500 to 1,000
200 to 500
100 to 200
0 to 100
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ZINC SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021

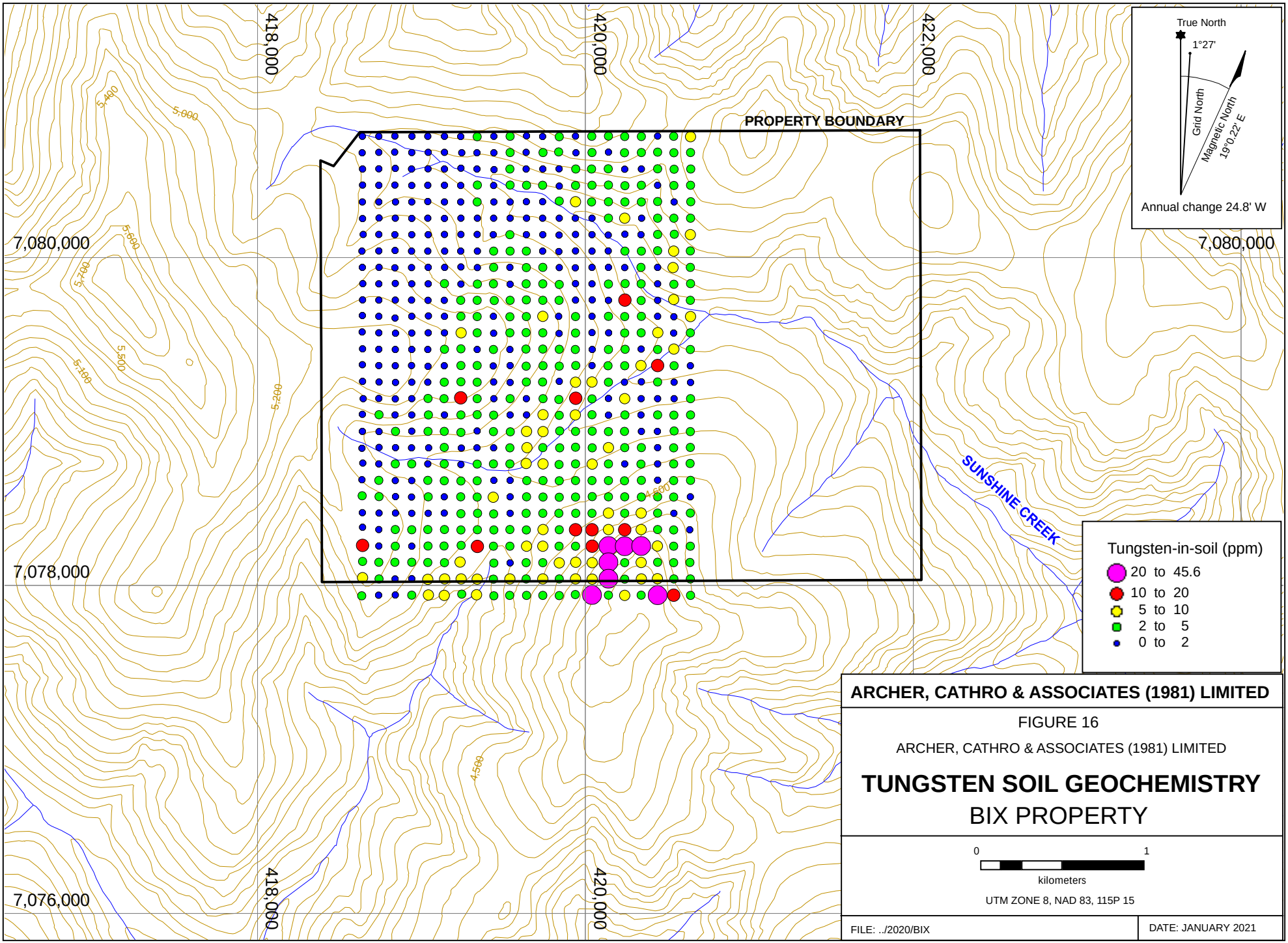

418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
PROPERTY BOUNDARY
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Tungsten-in-soil (ppm)
20 to 45.6
10 to 20
5 to 10
2 to 5
0 to 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 16
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TUNGSTEN SOIL GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021

**Table III – Anomalous Threshold Values for Soil Samples**

| Element | Weak | Moderate | Strong | 2020 Peak |
|---|---|---|---|---|
| Gold (ppb) | > 5 ≤ 10 | > 10 ≤ 20 | > 20 ≤ 50 | 50 |
| Silver (ppm) | > 0.5 ≤1 | > 1 ≤ 2 | >2 ≤ 5 | 5 |
| Arsenic (ppm) | > 20 ≤ 50 | > 50 ≤ 100 | >100 ≤ 200 | 200 |
| Copper (ppm) | > 20 ≤ 50 | > 50 ≤ 100 | > 100 ≤ 343 | 343 |
| Lead (ppm) | > 50 ≤ 100 | > 100 ≤ 200 | > 200 ≤ 216 | 216 |
| Tin (ppm) | > 10 ≤ 20 | > 20 ≤ 50 | > 50 ≤ 216 | 216 |
| Zinc (ppm) | > 100 ≤ 200 | > 200 ≤ 500 | < 500 ≤ 1000 | 1000 |
| Tungsten (ppm) | > 5 ≤ 10 | > 10 ≤ 20 | < 20 ≤ 45.6 | 45.6 |

The soil geochemical survey identified a multi-element anomaly in the southern portion of the property that includes tin, copper and tungsten. Strong values of all these elements are found on a north facing slope that is underlain by hornfelsed Yusezyu Formation at the contact with the Sunshine Creek stock. The anomaly is open to extension to the south, off the property. Sporadic anomalous gold values are found throughout the soil grid. There is very little correlation between gold and other elements, including arsenic. Anomalous arsenic values follow a northwest trend that appears to overlap with the main breccia in Zone A (Figure 11).

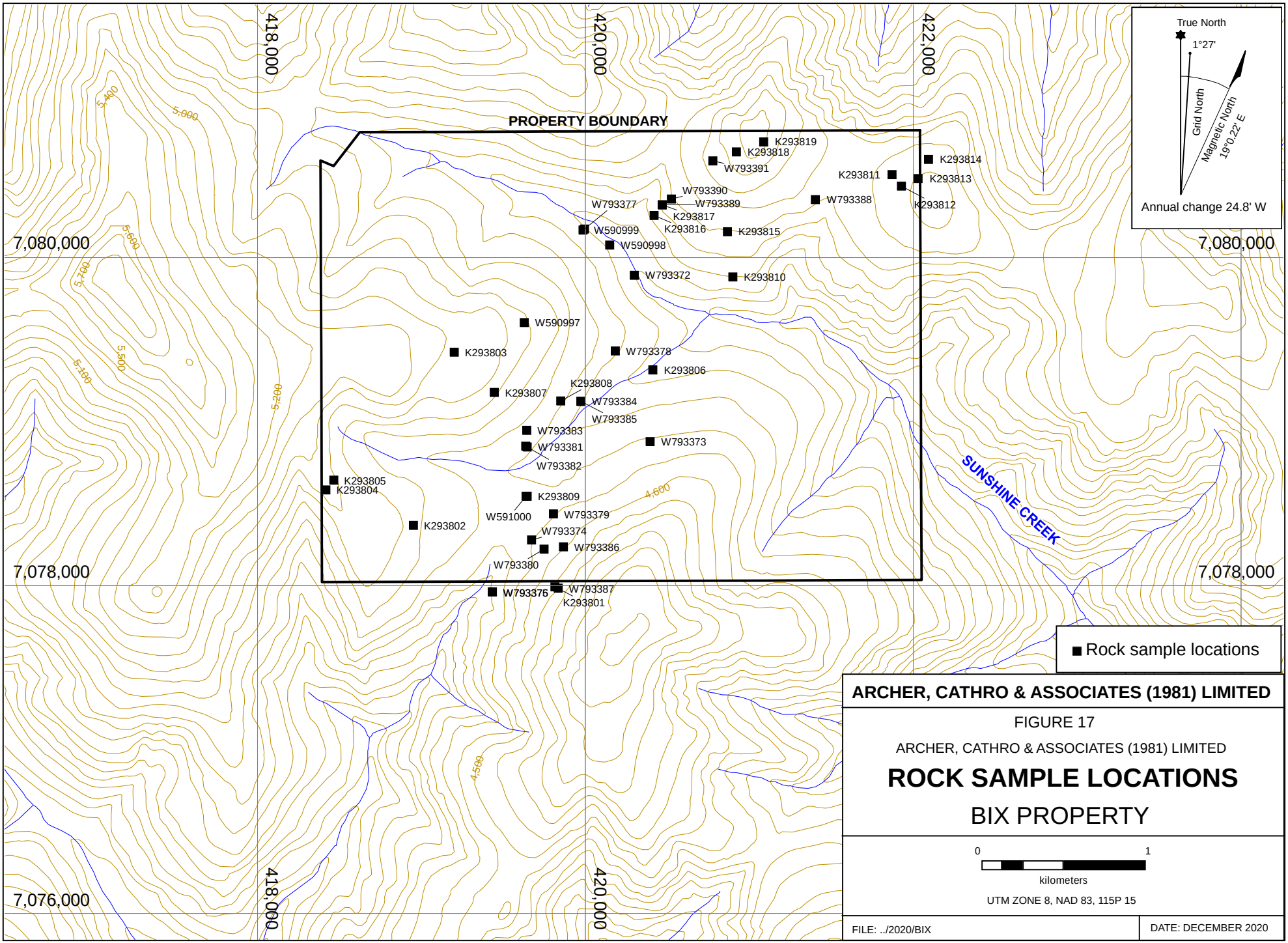
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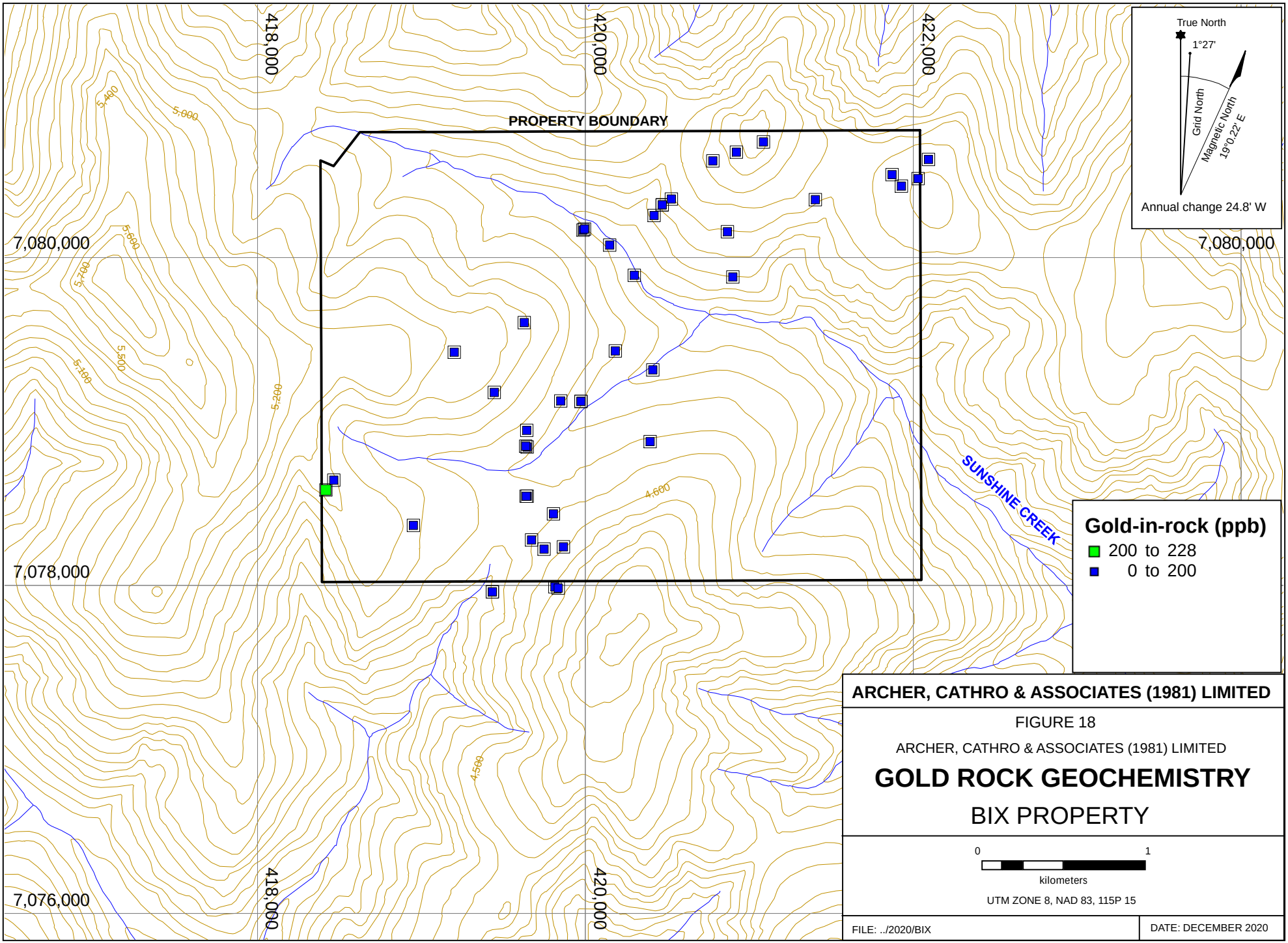
## ROCK GEOCHEMISTRY

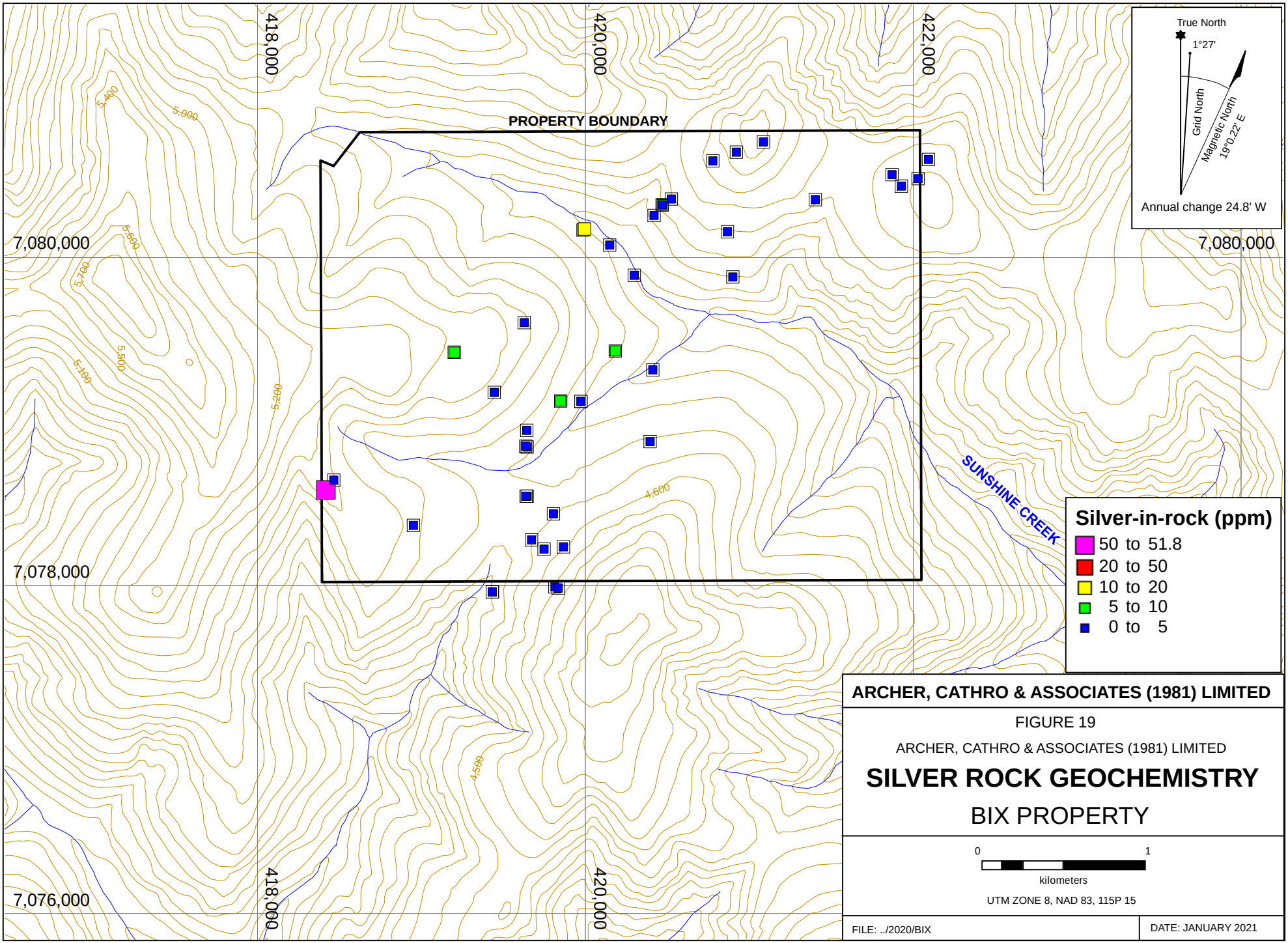
In 2020, a total of 42 rock samples were collected for analysis with sample locations shown on Figure 17. Values for gold, silver, arsenic, bismuth, copper, lead, zinc, tungsten and tin are illustrated thematically on Figures 18 to 26, respectively. Rock Sample Descriptions are provided in Appendix IV, and Certificates of Analysis are provided in Appendix III.

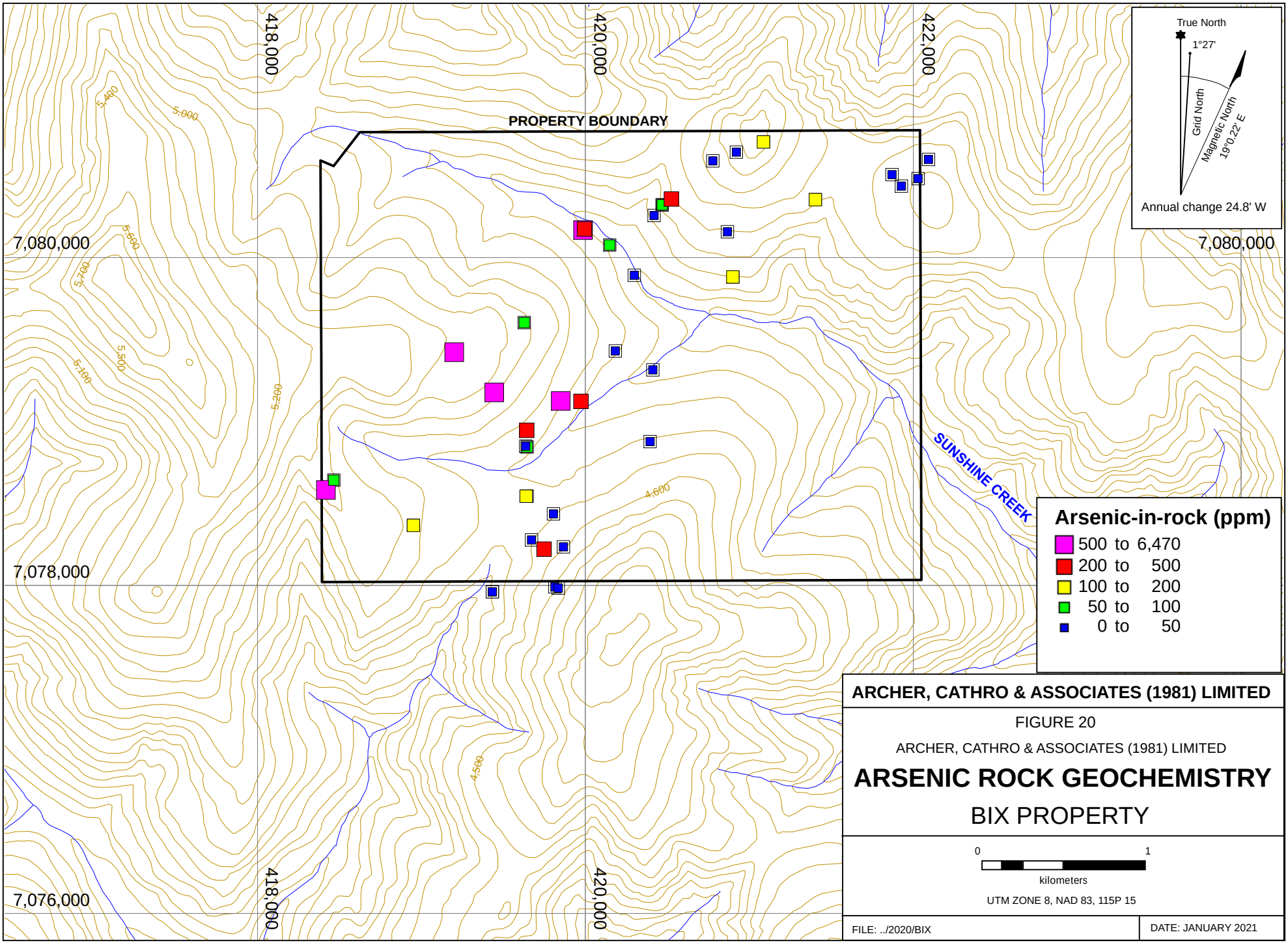
The 2020 rock sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation and multi-element analyses were carried out at ALS in Whitehorse, YT and North Vancouver, BC, respectively. Each sample was dried, fine crushed to better than 70% passing 2 mm and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 35 elements using aqua-regia acid digestion followed by inductively coupled plasma (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay and inductively coupled plasma-mass spectroscopy finish (Au-ICP21). Additional analysis for tin using a lithium borate fusion and ICP-MS finish (ME-MS85). Samples with overlimit values were further analyzed using a lithium borate 50:50 flux and XRF Spectroscopy for tin (Sn-XRF10).

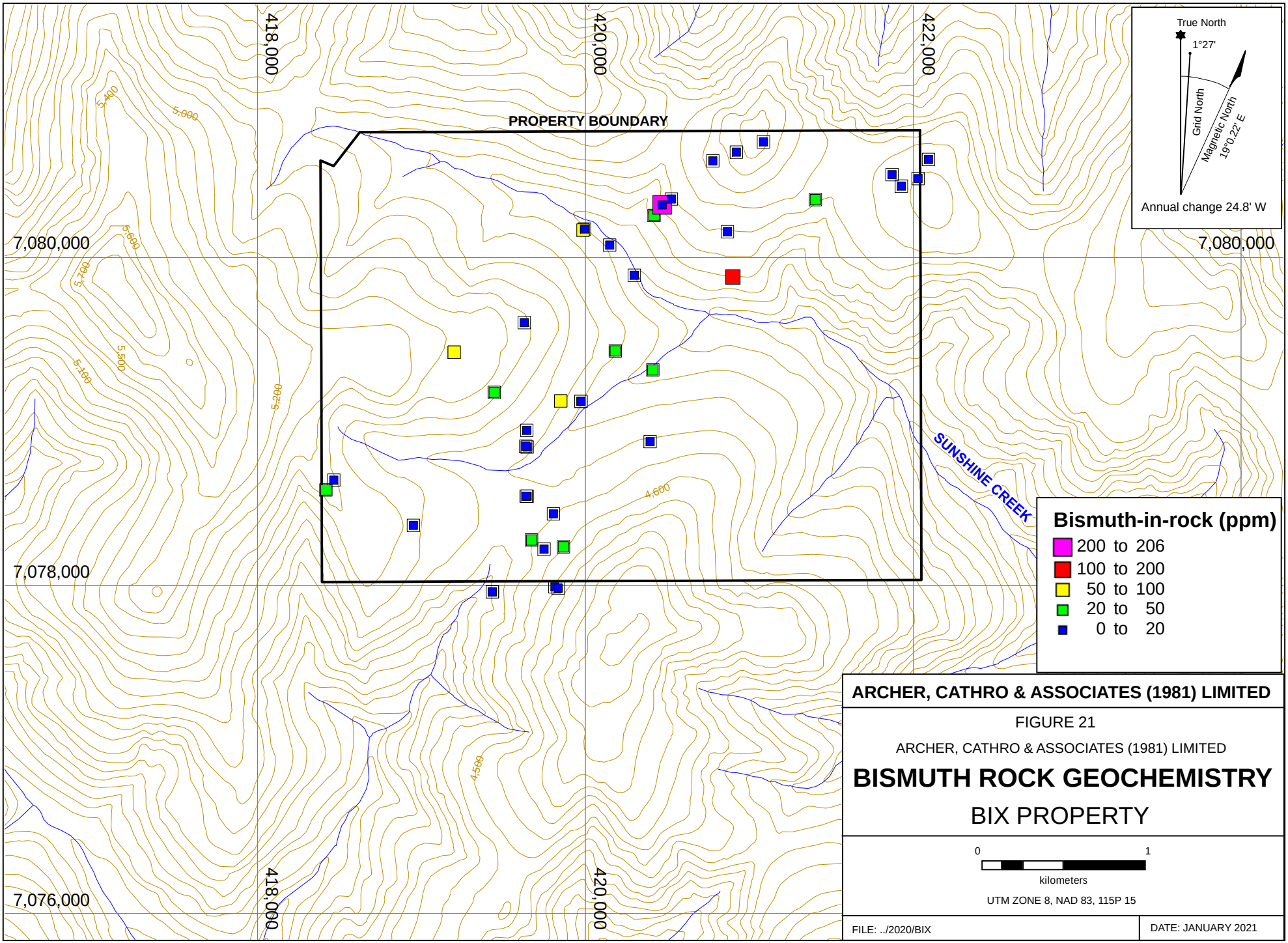
In 2020, rock samples were collected mainly from the central portion of the property with a few from the south and northeast (Figure 16). The prospecting returned noteworthy results including several samples above 0.1% tin with a high value of 14.9% tin (Figure 25). The 14.9% sample was collected from a roughly 8 m wide by 15 m long topographic depression near the contact between the Sunshine Creek stock and the hornfelsed country rock. The sample is described as float of brownish, grey, green weathered, fine-grained, strongly altered schist that is cut by white

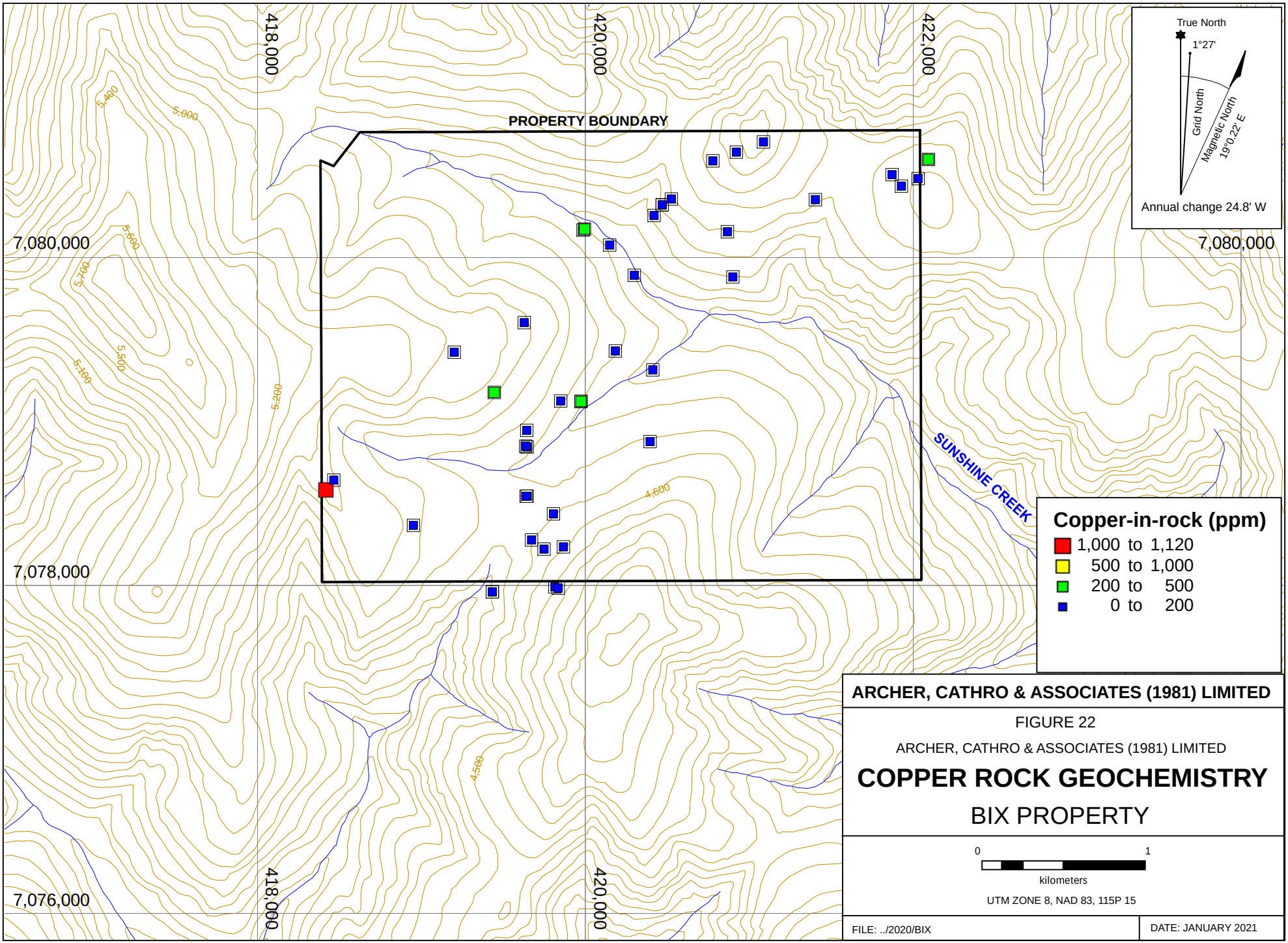

PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
K293819
K293818
W793391
K293814
K293811
K293813
W793390
W793389
W793388
K293812
W793377
K293817
K293816
K293815
W590999
W590998
W793372
K293810
W590997
K293803
W793378
K293806
K293808
K293807
W793384
W793385
W793383
W793381
W793373
W793382
K293805
K293804
K293809
W591000
W793379
K293802
W793374
W793386
W793380
W793376
W793387
K293801
SUNSHINE CREEK
5,400
5,000
5,600
5,700
5,500
5,100
5,200
4,600
4,500
■ Rock sample locations
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ROCK SAMPLE LOCATIONS
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: DECEMBER 2020

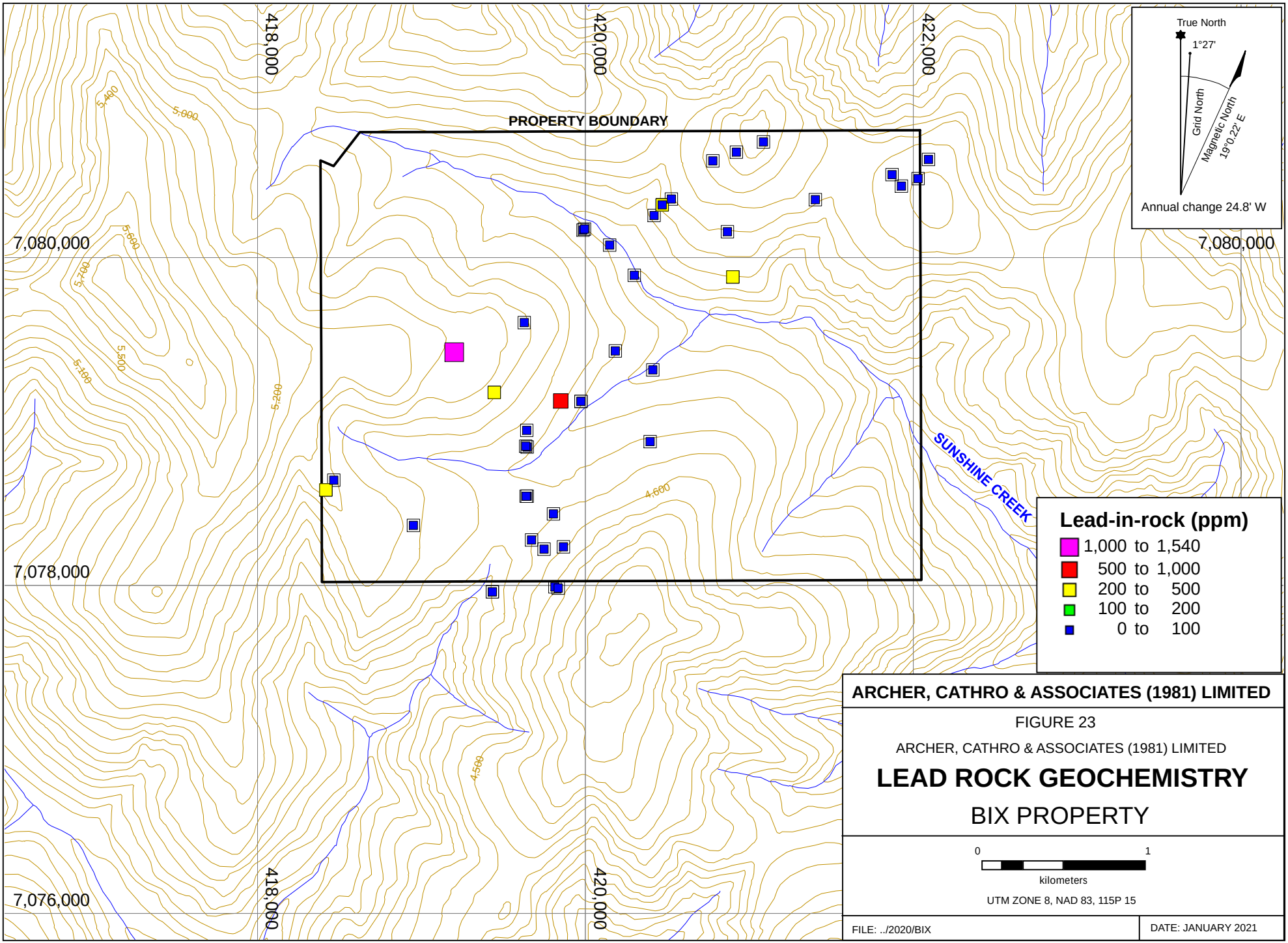

PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Gold-in-rock (ppb)
200 to 228
0 to 200
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 18
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: DECEMBER 2020

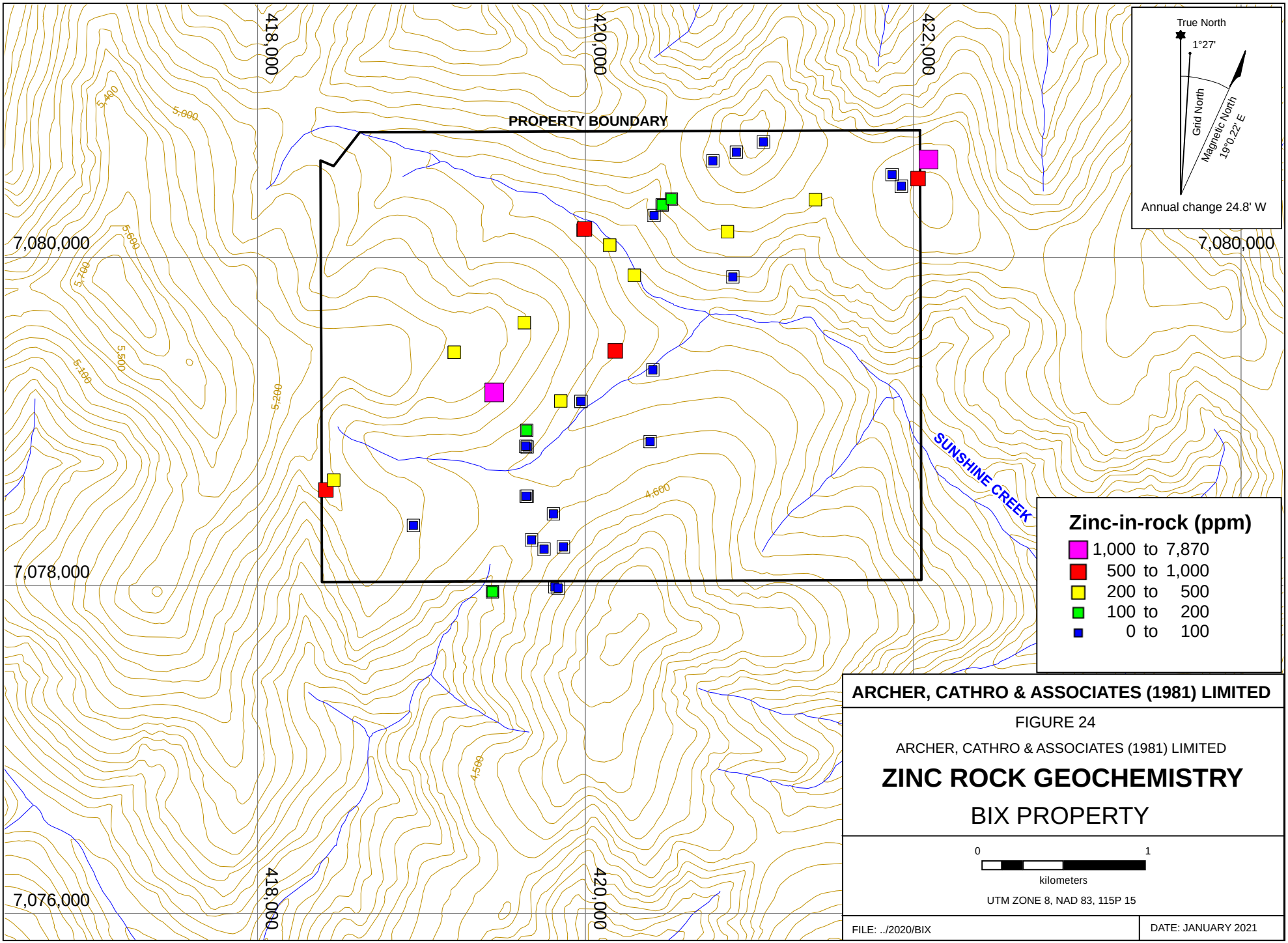

PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Silver-in-rock (ppm)
50 to 51.8
20 to 50
10 to 20
5 to 10
0 to 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 19
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Arsenic-in-rock (ppm)
500 to 6,470
200 to 500
100 to 200
50 to 100
0 to 50
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Bismuth-in-rock (ppm)
200 to 206
100 to 200
50 to 100
20 to 50
0 to 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 21
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BISMUTH ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Copper-in-rock (ppm)
1,000 to 1,120
500 to 1,000
200 to 500
0 to 200
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 22
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Lead-in-rock (ppm)
1,000 to 1,540
500 to 1,000
200 to 500
100 to 200
0 to 100
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 23
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021




**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 24

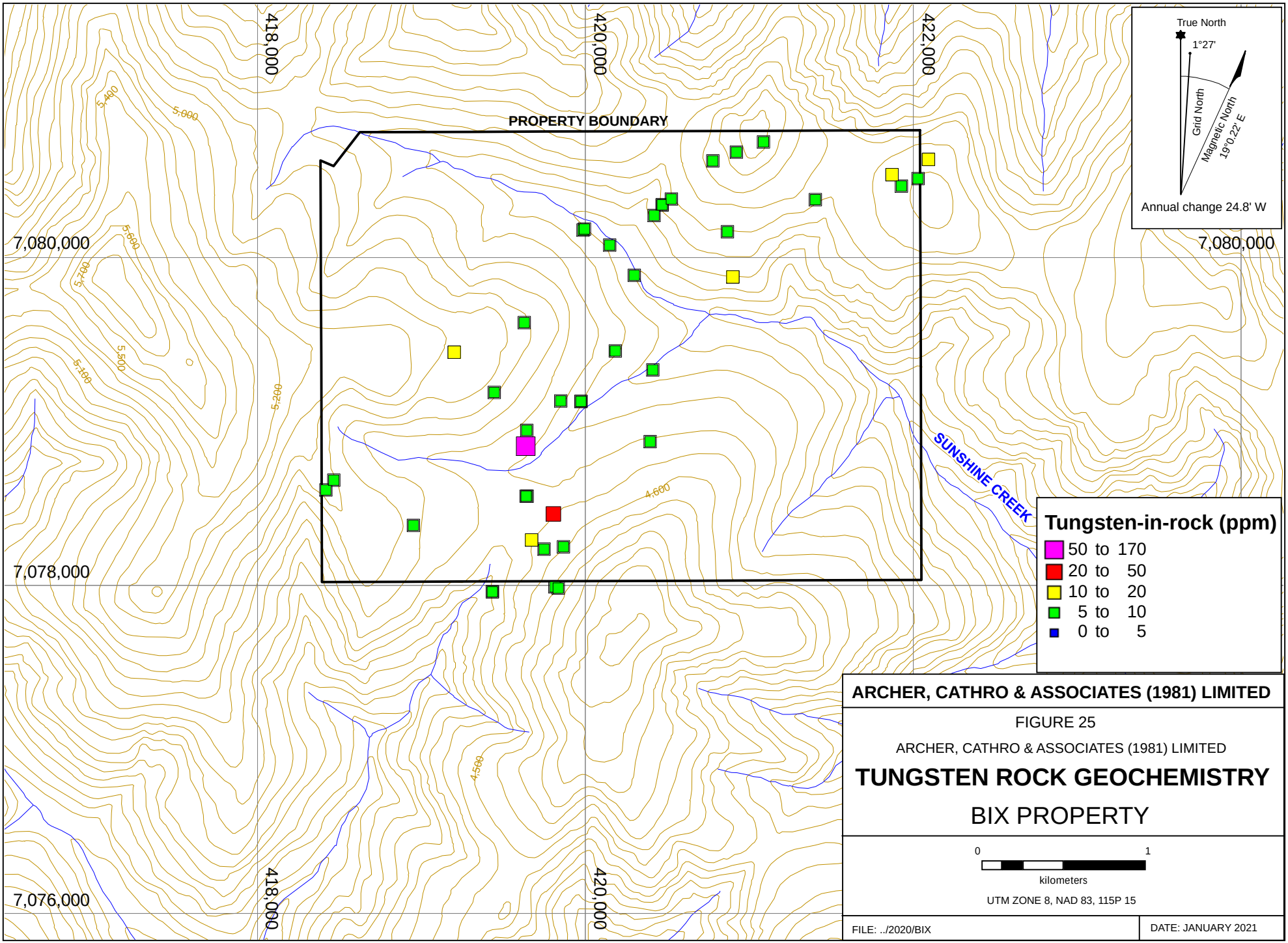
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

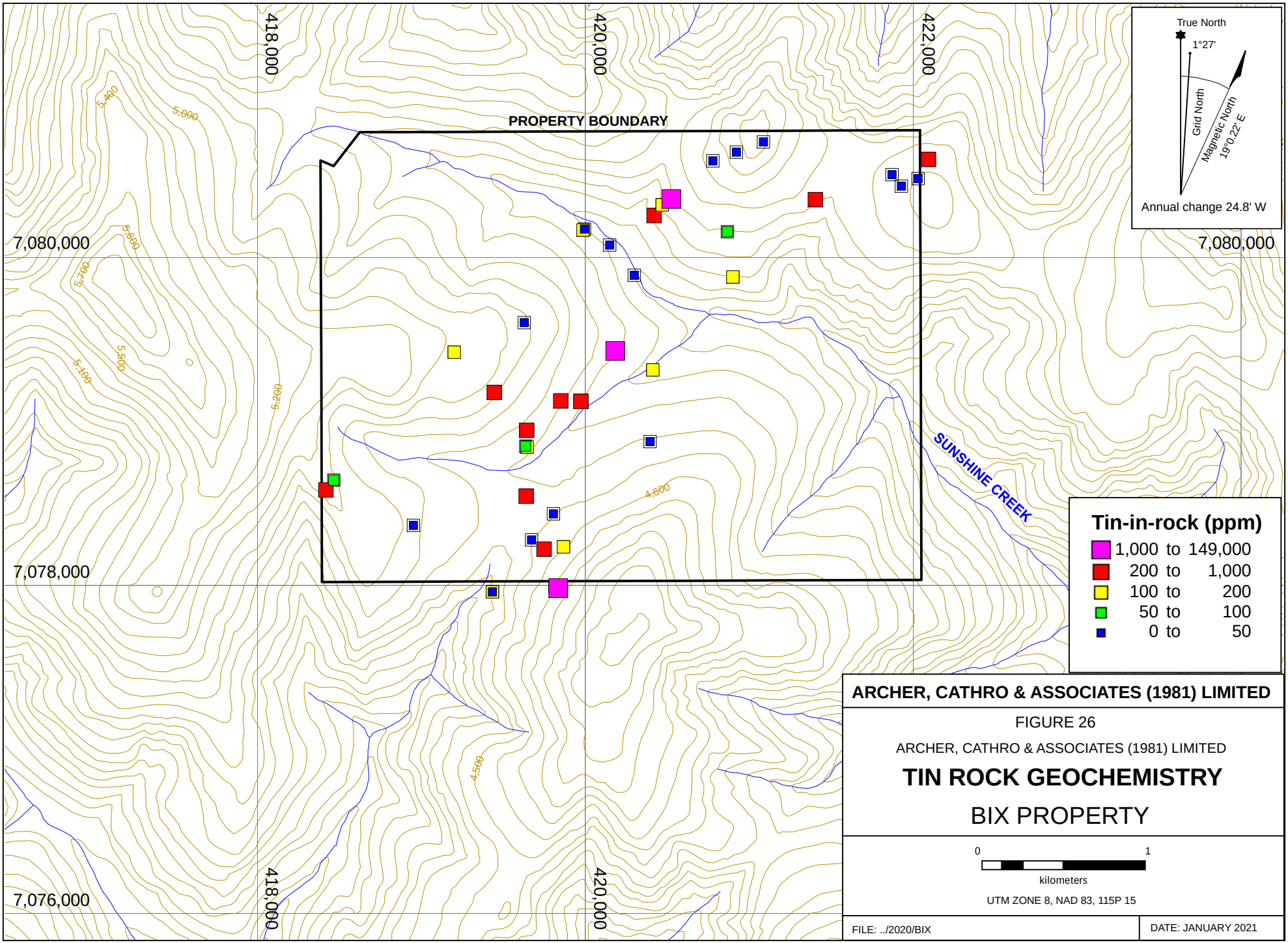
# ZINC ROCK GEOCHEMISTRY

## BIX PROPERTY

FILE: ../2020/BIX

DATE: JANUARY 2021


PROPERTY BOUNDARY
SUNSHINE CREEK
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,600
5,700
5,500
5,100
5,300
4,600
4,500
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Tungsten-in-rock (ppm)
50 to 170
20 to 50
10 to 20
5 to 10
0 to 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 25
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TUNGSTEN ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021


PROPERTY BOUNDARY
418,000
420,000
422,000
7,080,000
7,078,000
7,076,000
5,400
5,000
5,600
5,700
5,500
5,100
5,300
4,600
4,500
SUNSHINE CREEK
True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W
Tin-in-rock (ppm)
1,000 to 149,000
200 to 1,000
100 to 200
50 to 100
0 to 50
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 26
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TIN ROCK GEOCHEMISTRY
BIX PROPERTY
0
1
kilometers
UTM ZONE 8, NAD 83, 115P 15
FILE: ../2020/BIX
DATE: JANUARY 2021

to light pink quartz veins up to 1 cm wide. It is possible that the depression is a breccia zone similar to those observed in Zones A and B.

Numerous high values for arsenic were obtained from rocks throughout the property (Figure 20). Arsenic is not strongly correlated with other elements, but one sample that was collected along the western edge of the property returned high arsenic with strong values of silver (51.9 g/t) and copper (0.11%) plus moderate values of zinc (511 ppm), tin (314 ppm) gold (0.228 ppm).

## DISCUSSION AND CONCLUSIONS

The Bix property hosts lightly explored tin breccia and skarn occurrences and promising tin, copper, gold and tungsten soil anomalies. The strength of the multi-element soil geochemical anomaly at the southern edge of the property and the extremely high tin value of 14.9% in rock not far away suggest that there is potential for a well-mineralized intrusion-related system and that system likely extends off the property. Sporadic gold values in soil samples were generally located in areas that were not prospected and rock samples were not collected at any of the anomalous soil sites. It may be possible that a gold-rich intrusion-related system similar to Dublin Gulch (Victoria Gold's Eagle deposit) exists under glacial overburden somewhere on the property.

The promising results obtained from prospecting and soil geochemical surveys on the Bix property definitely warrant follow up work, including:

1) staking additional claims;
2) drone or LiDAR imagery
3) geological mapping;
4) additional soil sampling;
5) ground-based magnetic and induced polarization geophysical surveying;
6) hand trenching; and
7) RAB, RC or diamond drilling.

**Claim staking** should take place as soon as possible in order to cover possible extensions of the multi-element soil geochemical anomaly in the southern portion of the property. At least two more rows of claims should be added (16 additional claims).

**Drone imagery** or **LiDAR data acquisition** should be flown over the entire property in order to identify subtle topographic features that may be associated with mineralized breccias and faults.

Detailed property-scale **geological mapping** with a focus on collecting structural measurements should be done, preferably after the drone images and/or Lidar data has been acquired. The mapping should test the hypothesis that the area is a large antiform cored by the Sunshine Creek stock. All faults and breccias should be accurately measured and a structural analysis of mineralized structures should be completed. Geological mapping is also required to determine the potential for additional breccia and skarn mineralization.

**Soil sampling** should be completed over the entirety of the property, especially in the south on the newly staked claims in order to expand the multi-element anomaly. The sampling should be done after mid-summer when seasonal frost is out of the soil. Interpretation of soil geochemical results has provided valuable insight regarding metal zoning and deposit types that can be expected on the property.

**Hand trenching** should be carried out across the newly discovered linear depression where the 14.9% tin sample was collected. This will help identify the style of mineralization this sample is associated with, and determine the width, grade and orientation of the mineralized in bedrock.

**Magnetic and induced polarization geophysical surveying** should be done over as much of the property as possible to help delineate mineralization, alteration, structures and the extent of the Sunshine Creek stock.

If results from the above mentioned work are favourable, **RAB, RC or diamond drilling** will be required to fully assess the targets.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



Heather Burrell, P.Geo.

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# APPENDIX I

# STATEMENT OF QUALIFICATIONS

# STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 2006 with a B.Sc in Geological Sciences.

2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.

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

4. I am a partner in Archer, Cathro & Associates (1981) Limited.

5. I have interpreted all data resulting from this work.



H. Burrell, B.Sc., P.Geo.

# APPENDIX II

# STATEMENT OF EXPENDITURES

**Statement of Expenditures**
**Bix Property**

**Labour**

| Employee | Job Discription | Hours | Time Period | Rate/Hr | Total |
|---|---|---|---|---|---|
| Ed Lepp | Expeditor | 4 | August 2020 - December 2020 | $ 75.00 | $ 300.00 |
| Heather Burrell | Project oversight, geo, report writing | 59 | August 2020 - December 2020 | $ 115.00 | $ 6,785.00 |
| Kieran Mcclenahan | Soil sampler, prospecting, labour | 88 | August 2020 - December 2020 | $ 54.00 | $ 4,752.00 |
| Melissa Friend | Review rocks for sample submission, geo | 20 | August 2020 - December 2020 | $ 80.00 | $ 1,600.00 |
| Sarah Shoniker | Soil sampler, prospecting, geo | 104 | August 2020 - December 2020 | $ 64.00 | $ 6,656.00 |
| Scott Newman | Maps, report prep | 25 | August 2020 - December 2020 | $ 74.00 | $ 1,850.00 |
| | | | | | $ 21,943.00 |

**Expenses**

| | |
|---|---|
| Fireweed Helicopters, as attached | $ 5,778.00 |
| ALS Minerals, as attached - 587 Soil, 38 Rock | $ 21,296.73 |
| | $ 27,074.73 |

Total eligible expenditures submitted $ 49,017.73

Elizabeth Smith
January 18, 2021

# APPENDIX III

# 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: 18-OCT-2020**
**Account: F**

# CERTIFICATE WH20190238

Project: BIX

This report is for 328 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| HEATHER BURRELL | MATT DUMALA | STEVE ISRAEL |
| JACK MORTON | SCOTT NEWMAN | LIZ SMITH |

## 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 |
| LOG-24 | Pulp Login - Rcd w/o Barcode |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | |
|---|---|---|
| ME-MS61 | 48 element four acid ICP-MS | |
| 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:**

Saa Traxler, General Manager, North Vancouver

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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**VANCOUVER BC V6B 1L8**


**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| YY13229 | | 0.39 | 0.003 | 0.23 | 6.20 | 25.5 | 770 | 1.49 | 0.36 | 0.53 | 0.27 | 89.5 | 11.6 | 70 | 8.22 | 23.3 |
| YY13230 | | 0.45 | 0.004 | 0.09 | 5.79 | 13.7 | 830 | 1.27 | 0.26 | 0.80 | 0.26 | 77.1 | 8.2 | 68 | 4.10 | 21.2 |
| YY13231 | | 0.48 | 0.003 | 0.19 | 6.24 | 16.6 | 920 | 1.38 | 0.26 | 0.70 | 0.39 | 76.6 | 11.0 | 65 | 6.52 | 28.6 |
| YY13232 | | 0.46 | 0.010 | 0.07 | 5.36 | 19.1 | 750 | 1.17 | 0.26 | 0.68 | 0.30 | 65.4 | 11.8 | 63 | 3.48 | 19.9 |
| YY13233 | | 0.54 | 0.003 | 0.75 | 5.00 | 11.2 | 730 | 1.04 | 0.25 | 0.71 | 0.46 | 64.4 | 5.6 | 59 | 10.65 | 11.7 |
| YY13234 | | 0.43 | 0.008 | 0.17 | 5.25 | 17.5 | 780 | 1.07 | 0.24 | 0.74 | 0.17 | 62.5 | 9.4 | 67 | 2.78 | 16.5 |
| YY13235 | | 0.44 | 0.002 | 0.10 | 5.01 | 18.4 | 790 | 1.14 | 0.22 | 0.81 | 0.27 | 64.3 | 9.6 | 62 | 2.61 | 17.6 |
| YY13236 | | 0.50 | 0.003 | 0.22 | 6.32 | 21.7 | 860 | 1.40 | 0.38 | 0.58 | 0.17 | 76.6 | 6.4 | 69 | 5.04 | 19.9 |
| YY13237 | | 0.50 | 0.001 | 0.12 | 5.71 | 17.1 | 790 | 1.35 | 0.30 | 0.58 | 0.22 | 79.3 | 7.4 | 64 | 4.41 | 22.1 |
| YY13238 | | 0.51 | 0.003 | 0.09 | 6.03 | 24.4 | 790 | 1.51 | 0.29 | 0.51 | 0.25 | 87.8 | 9.2 | 65 | 4.64 | 21.6 |
| YY13239 | | 0.51 | 0.003 | 0.20 | 5.49 | 16.6 | 850 | 1.24 | 0.24 | 0.71 | 0.32 | 70.1 | 13.1 | 59 | 3.78 | 20.2 |
| YY13240 | | 0.51 | 0.003 | 0.14 | 6.78 | 16.7 | 950 | 1.52 | 0.32 | 0.70 | 0.24 | 88.5 | 9.3 | 75 | 5.52 | 27.7 |
| YY13241 | | 0.47 | 0.003 | 0.16 | 7.11 | 40.1 | 990 | 1.75 | 0.36 | 0.52 | 0.50 | 116.0 | 11.1 | 70 | 5.84 | 30.9 |
| YY13242 | | 0.49 | 0.005 | 0.04 | 5.37 | 15.8 | 760 | 1.27 | 0.23 | 0.60 | 0.21 | 69.9 | 11.5 | 59 | 4.05 | 22.8 |
| YY13243 | | 0.53 | 0.004 | 0.06 | 5.57 | 14.3 | 760 | 1.36 | 0.24 | 0.59 | 0.25 | 79.4 | 11.0 | 58 | 4.51 | 26.9 |
| YY13244 | | 0.47 | 0.005 | 0.05 | 5.92 | 19.5 | 740 | 1.43 | 0.26 | 0.53 | 0.24 | 76.4 | 10.4 | 64 | 6.10 | 22.3 |
| YY13245 | | 0.52 | 0.005 | 0.18 | 5.57 | 22.3 | 750 | 1.05 | 0.26 | 0.53 | 0.35 | 63.6 | 7.6 | 72 | 4.92 | 17.4 |
| YY13246 | | 0.51 | 0.003 | 0.19 | 6.00 | 67.2 | 780 | 1.36 | 0.52 | 0.51 | 0.40 | 77.4 | 9.3 | 65 | 6.02 | 29.3 |
| YY13247 | | 0.52 | 0.004 | 0.18 | 5.79 | 56.5 | 790 | 1.35 | 0.33 | 0.53 | 0.45 | 70.6 | 10.7 | 63 | 6.35 | 24.3 |
| YY13248 | | 0.44 | 0.015 | 0.39 | 6.12 | 88.4 | 790 | 1.38 | 1.17 | 0.63 | 0.69 | 71.7 | 15.2 | 65 | 7.76 | 32.4 |
| YY13249 | | 0.49 | 0.007 | 0.10 | 4.68 | 20.1 | 680 | 1.03 | 0.19 | 0.73 | 0.28 | 72.8 | 9.0 | 56 | 2.07 | 23.4 |
| YY13250 | | 0.54 | 0.009 | 0.15 | 6.76 | 36.6 | 950 | 1.42 | 0.36 | 0.71 | 0.37 | 76.7 | 11.0 | 91 | 8.71 | 26.7 |
| CC94616 | | 0.50 | 0.006 | 0.05 | 6.16 | 31.6 | 880 | 1.52 | 0.24 | 0.60 | 0.37 | 73.3 | 11.6 | 68 | 7.78 | 26.3 |
| CC94617 | | 0.48 | 0.006 | 0.25 | 8.49 | 123.5 | 1070 | 2.47 | 0.38 | 0.19 | 0.69 | 105.5 | 21.0 | 93 | 16.25 | 56.1 |
| CC94618 | | 0.58 | 0.005 | 0.09 | 6.42 | 41.0 | 830 | 1.55 | 0.28 | 0.51 | 0.31 | 74.1 | 11.0 | 82 | 6.06 | 23.4 |
| CC94619 | | 0.46 | 0.005 | 0.07 | 6.18 | 43.3 | 810 | 1.69 | 0.18 | 0.51 | 0.40 | 77.9 | 9.0 | 81 | 10.40 | 24.5 |
| CC94620 | | 0.42 | 0.004 | 0.04 | 6.13 | 17.7 | 850 | 1.25 | 0.21 | 0.70 | 0.21 | 63.5 | 10.8 | 78 | 3.97 | 18.6 |
| CC94621 | | 0.46 | 0.006 | 0.07 | 5.95 | 24.8 | 870 | 1.35 | 0.23 | 0.58 | 0.30 | 69.2 | 11.5 | 83 | 5.41 | 25.2 |
| CC94622 | | 0.61 | 0.008 | 0.13 | 6.24 | 37.2 | 970 | 1.54 | 0.33 | 0.78 | 0.43 | 78.8 | 9.9 | 81 | 5.77 | 30.1 |
| CC94623 | | 0.45 | 0.003 | 0.03 | 4.19 | 27.0 | 610 | 0.93 | 0.19 | 0.65 | 0.33 | 60.4 | 14.6 | 51 | 2.26 | 18.1 |
| CC94624 | | 0.49 | 0.005 | 0.11 | 5.62 | 40.4 | 730 | 1.16 | 0.27 | 0.69 | 0.40 | 70.7 | 17.8 | 67 | 4.25 | 39.2 |
| CC94625 | | 0.58 | 0.004 | 0.32 | 5.88 | 35.6 | 760 | 1.26 | 0.34 | 0.56 | 0.47 | 69.1 | 9.7 | 66 | 7.51 | 21.1 |
| CC94626 | | 0.46 | 0.009 | 0.09 | 4.71 | 16.5 | 670 | 1.15 | 0.17 | 0.63 | 0.28 | 70.7 | 10.1 | 54 | 3.08 | 19.0 |
| CC94627 | | 0.41 | 0.004 | 0.06 | 5.72 | 16.8 | 750 | 1.21 | 0.26 | 0.53 | 0.18 | 70.0 | 8.8 | 68 | 6.89 | 17.5 |
| CC94628 | | 0.47 | 0.004 | 0.08 | 5.90 | 19.7 | 760 | 1.30 | 0.27 | 0.48 | 0.24 | 78.8 | 7.0 | 67 | 9.06 | 24.1 |
| CC94629 | | 0.56 | 0.005 | 0.04 | 5.52 | 15.8 | 760 | 1.21 | 0.21 | 0.62 | 0.21 | 65.9 | 9.3 | 62 | 4.69 | 20.6 |
| CC94630 | | 0.50 | 0.004 | 0.01 | 5.29 | 12.8 | 760 | 1.19 | 0.18 | 0.66 | 0.21 | 68.8 | 9.0 | 59 | 3.63 | 20.0 |
| CC94631 | | 0.45 | 0.004 | 0.11 | 6.55 | 17.1 | 1010 | 1.69 | 0.27 | 0.55 | 0.32 | 95.8 | 11.6 | 68 | 5.43 | 21.9 |
| CC94632 | | 0.49 | 0.003 | 0.11 | 6.71 | 16.2 | 970 | 1.61 | 0.25 | 0.63 | 0.30 | 92.5 | 11.0 | 72 | 5.07 | 26.3 |
| CC94633 | | 0.54 | 0.005 | 0.14 | 4.83 | 13.9 | 770 | 1.17 | 0.16 | 0.78 | 0.38 | 77.7 | 9.5 | 57 | 2.49 | 26.1 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| YY13229 | | 3.28 | 16.20 | 0.13 | 2.4 | 0.049 | 1.62 | 44.3 | 42.2 | 0.62 | 478 | 1.37 | 0.87 | 12.5 | 25.6 | 610 |
| YY13230 | | 3.13 | 14.20 | 0.13 | 2.1 | 0.068 | 1.44 | 38.0 | 25.5 | 0.70 | 386 | 1.16 | 1.03 | 12.2 | 23.6 | 810 |
| YY13231 | | 3.38 | 14.85 | 0.12 | 2.2 | 0.081 | 1.59 | 38.6 | 28.4 | 0.66 | 510 | 0.95 | 0.99 | 11.2 | 27.2 | 750 |
| YY13232 | | 3.07 | 13.25 | 0.11 | 1.9 | 0.052 | 1.21 | 32.1 | 24.7 | 0.66 | 562 | 1.10 | 0.93 | 11.5 | 24.1 | 890 |
| YY13233 | | 2.21 | 13.00 | 0.11 | 2.2 | 0.052 | 1.29 | 32.1 | 28.5 | 0.55 | 340 | 0.93 | 0.92 | 13.1 | 19.3 | 1020 |
| YY13234 | | 2.95 | 12.95 | 0.12 | 1.9 | 0.041 | 1.22 | 30.9 | 21.9 | 0.66 | 426 | 1.16 | 0.99 | 11.8 | 19.7 | 950 |
| YY13235 | | 3.07 | 12.45 | 0.11 | 2.0 | 0.043 | 1.23 | 32.3 | 22.8 | 0.68 | 454 | 1.12 | 0.96 | 11.4 | 22.9 | 740 |
| YY13236 | | 3.23 | 15.90 | 0.12 | 2.2 | 0.062 | 1.77 | 38.6 | 27.2 | 0.69 | 293 | 1.22 | 0.85 | 12.3 | 18.8 | 750 |
| YY13237 | | 3.29 | 14.65 | 0.13 | 2.1 | 0.069 | 1.53 | 38.8 | 25.9 | 0.65 | 334 | 1.16 | 0.90 | 12.1 | 22.2 | 670 |
| YY13238 | | 3.06 | 16.10 | 0.15 | 2.3 | 0.059 | 1.81 | 43.7 | 28.1 | 0.65 | 356 | 0.97 | 0.86 | 12.6 | 22.0 | 720 |
| YY13239 | | 3.15 | 13.30 | 0.13 | 1.8 | 0.049 | 1.36 | 34.3 | 24.1 | 0.68 | 597 | 1.12 | 1.01 | 10.9 | 23.5 | 950 |
| YY13240 | | 3.65 | 17.60 | 0.13 | 2.2 | 0.073 | 1.75 | 44.3 | 32.4 | 0.84 | 385 | 1.43 | 1.04 | 13.3 | 27.1 | 840 |
| YY13241 | | 4.05 | 17.85 | 0.14 | 3.0 | 0.097 | 1.93 | 59.5 | 39.5 | 0.82 | 384 | 1.16 | 1.18 | 13.4 | 27.1 | 710 |
| YY13242 | | 3.10 | 12.85 | 0.10 | 1.8 | 0.039 | 1.31 | 34.0 | 31.1 | 0.68 | 439 | 0.98 | 0.95 | 10.8 | 26.2 | 500 |
| YY13243 | | 3.10 | 13.70 | 0.11 | 1.9 | 0.044 | 1.42 | 39.6 | 28.5 | 0.68 | 397 | 0.92 | 0.95 | 11.6 | 26.7 | 550 |
| YY13244 | | 3.33 | 15.30 | 0.13 | 2.1 | 0.068 | 1.41 | 37.7 | 34.8 | 0.68 | 408 | 1.21 | 0.97 | 12.5 | 24.1 | 670 |
| YY13245 | | 3.49 | 15.50 | 0.11 | 2.1 | 0.062 | 1.32 | 32.5 | 26.4 | 0.59 | 436 | 1.45 | 0.80 | 12.9 | 18.7 | 1150 |
| YY13246 | | 3.44 | 15.15 | 0.12 | 2.0 | 0.303 | 1.59 | 36.8 | 30.8 | 0.58 | 360 | 1.05 | 0.87 | 11.8 | 20.9 | 600 |
| YY13247 | | 3.38 | 14.25 | 0.12 | 2.1 | 0.378 | 1.44 | 34.6 | 30.4 | 0.65 | 397 | 1.08 | 0.93 | 11.6 | 22.9 | 660 |
| YY13248 | | 3.30 | 15.05 | 0.12 | 1.9 | 0.607 | 1.48 | 35.6 | 30.4 | 0.63 | 478 | 1.19 | 0.92 | 12.0 | 25.7 | 910 |
| YY13249 | | 2.85 | 10.95 | 0.12 | 2.1 | 0.049 | 1.01 | 35.5 | 21.2 | 0.60 | 437 | 0.81 | 0.94 | 11.4 | 21.2 | 790 |
| YY13250 | | 3.83 | 15.80 | 0.08 | 2.0 | 0.100 | 1.68 | 38.1 | 47.7 | 0.86 | 519 | 1.19 | 1.01 | 17.4 | 28.1 | 830 |
| CC94616 | | 3.37 | 14.75 | 0.07 | 1.8 | 0.065 | 1.63 | 36.7 | 34.5 | 0.72 | 498 | 0.96 | 0.90 | 13.1 | 26.7 | 690 |
| CC94617 | | 4.23 | 22.2 | 0.13 | 2.1 | 0.090 | 3.03 | 50.8 | 56.8 | 0.77 | 698 | 0.58 | 0.69 | 19.1 | 37.3 | 530 |
| CC94618 | | 3.59 | 16.60 | 0.09 | 1.9 | 0.066 | 1.65 | 37.2 | 42.4 | 0.65 | 461 | 1.15 | 0.76 | 15.2 | 25.0 | 860 |
| CC94619 | | 2.99 | 15.90 | 0.11 | 1.8 | 0.114 | 1.84 | 37.5 | 28.0 | 0.61 | 486 | 0.73 | 0.75 | 15.3 | 22.8 | 700 |
| CC94620 | | 3.63 | 14.50 | 0.09 | 1.8 | 0.045 | 1.39 | 31.8 | 27.9 | 0.76 | 480 | 1.23 | 1.03 | 13.3 | 24.3 | 1130 |
| CC94621 | | 3.59 | 13.80 | 0.09 | 1.7 | 0.050 | 1.36 | 34.2 | 33.1 | 0.71 | 461 | 1.20 | 0.83 | 14.3 | 29.6 | 890 |
| CC94622 | | 3.62 | 15.20 | 0.08 | 2.0 | 0.135 | 1.53 | 38.6 | 35.0 | 0.75 | 463 | 1.31 | 1.00 | 15.8 | 27.9 | 870 |
| CC94623 | | 2.84 | 9.63 | 0.07 | 1.6 | 0.048 | 0.97 | 30.4 | 19.3 | 0.51 | 719 | 0.82 | 0.84 | 9.8 | 16.2 | 820 |
| CC94624 | | 3.42 | 12.90 | 0.08 | 1.9 | 0.831 | 1.32 | 35.1 | 28.4 | 0.69 | 1080 | 0.87 | 0.90 | 12.0 | 23.6 | 1090 |
| CC94625 | | 3.07 | 14.40 | 0.10 | 1.9 | 0.087 | 1.39 | 34.5 | 36.8 | 0.66 | 585 | 0.98 | 0.95 | 11.5 | 21.2 | 810 |
| CC94626 | | 2.92 | 11.10 | 0.09 | 1.9 | 0.042 | 1.08 | 35.3 | 23.8 | 0.56 | 547 | 0.87 | 0.88 | 10.5 | 19.5 | 780 |
| CC94627 | | 3.55 | 14.70 | 0.08 | 1.9 | 0.056 | 1.35 | 35.4 | 29.0 | 0.61 | 458 | 1.32 | 0.84 | 11.5 | 18.7 | 1060 |
| CC94628 | | 3.66 | 15.45 | 0.08 | 2.3 | 0.052 | 1.51 | 40.3 | 33.7 | 0.67 | 379 | 1.34 | 0.89 | 11.8 | 19.9 | 640 |
| CC94629 | | 3.24 | 12.55 | 0.08 | 1.8 | 0.042 | 1.33 | 34.4 | 27.8 | 0.68 | 426 | 0.98 | 0.97 | 10.3 | 21.1 | 670 |
| CC94630 | | 3.11 | 12.25 | 0.09 | 1.8 | 0.047 | 1.29 | 35.0 | 25.5 | 0.67 | 378 | 0.85 | 0.98 | 10.3 | 22.1 | 700 |
| CC94631 | | 3.27 | 17.10 | 0.13 | 2.4 | 0.095 | 1.85 | 48.3 | 30.3 | 0.73 | 334 | 1.04 | 0.90 | 12.2 | 22.1 | 710 |
| CC94632 | | 3.72 | 16.75 | 0.12 | 2.3 | 0.066 | 1.84 | 45.9 | 32.6 | 0.81 | 441 | 1.30 | 1.01 | 12.5 | 25.0 | 740 |
| CC94633 | | 2.89 | 11.35 | 0.11 | 2.0 | 0.041 | 1.24 | 38.7 | 21.8 | 0.64 | 438 | 0.83 | 0.98 | 10.5 | 22.3 | 850 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| YY13229 | | 28.2 | 85.2 | <0.002 | 0.02 | 1.47 | 12.1 | 1 | 2.0 | 133.0 | 0.76 | 0.10 | 11.65 | 0.397 | 0.59 | 3.1 |
| YY13230 | | 15.9 | 68.8 | <0.002 | 0.02 | 1.16 | 11.6 | 1 | 1.8 | 154.5 | 0.78 | 0.06 | 10.25 | 0.425 | 0.48 | 2.5 |
| YY13231 | | 31.8 | 77.0 | <0.002 | 0.01 | 1.36 | 12.7 | 1 | 2.8 | 155.0 | 0.76 | <0.05 | 10.95 | 0.408 | 0.61 | 2.6 |
| YY13232 | | 15.6 | 61.7 | <0.002 | 0.02 | 1.07 | 10.5 | 1 | 1.6 | 137.5 | 0.72 | <0.05 | 9.25 | 0.385 | 0.45 | 2.3 |
| YY13233 | | 13.0 | 72.3 | <0.002 | 0.04 | 0.78 | 9.3 | 1 | 1.8 | 140.0 | 0.89 | <0.05 | 8.55 | 0.396 | 0.52 | 2.6 |
| YY13234 | | 13.5 | 60.4 | <0.002 | 0.02 | 0.98 | 10.1 | 1 | 1.7 | 142.0 | 0.76 | 0.05 | 8.08 | 0.403 | 0.42 | 2.3 |
| YY13235 | | 15.2 | 59.9 | <0.002 | 0.01 | 1.22 | 10.0 | 1 | 1.6 | 146.0 | 0.74 | 0.05 | 8.54 | 0.384 | 0.42 | 2.2 |
| YY13236 | | 20.5 | 88.2 | <0.002 | 0.02 | 1.18 | 11.3 | 1 | 2.9 | 127.0 | 0.82 | 0.08 | 11.50 | 0.411 | 0.70 | 2.7 |
| YY13237 | | 20.2 | 77.9 | <0.002 | 0.02 | 1.15 | 11.2 | 1 | 3.1 | 130.0 | 0.78 | <0.05 | 12.90 | 0.389 | 0.57 | 2.7 |
| YY13238 | | 17.3 | 91.6 | <0.002 | 0.02 | 0.98 | 11.8 | <1 | 2.7 | 127.5 | 0.83 | <0.05 | 13.15 | 0.399 | 0.64 | 2.8 |
| YY13239 | | 14.6 | 65.4 | <0.002 | 0.02 | 1.08 | 10.4 | 1 | 2.0 | 150.0 | 0.71 | <0.05 | 9.56 | 0.371 | 0.46 | 2.4 |
| YY13240 | | 20.1 | 88.1 | <0.002 | 0.03 | 1.15 | 13.8 | 1 | 2.7 | 157.5 | 0.83 | <0.05 | 12.30 | 0.416 | 0.61 | 3.2 |
| YY13241 | | 43.2 | 97.6 | <0.002 | 0.04 | 1.13 | 12.6 | 1 | 3.9 | 149.0 | 0.90 | <0.05 | 19.00 | 0.411 | 0.68 | 3.7 |
| YY13242 | | 14.2 | 61.7 | <0.002 | 0.03 | 1.17 | 9.8 | 1 | 1.6 | 135.5 | 0.70 | 0.05 | 9.61 | 0.356 | 0.43 | 2.2 |
| YY13243 | | 14.1 | 67.2 | <0.002 | 0.03 | 1.01 | 10.2 | 1 | 2.0 | 138.0 | 0.75 | <0.05 | 10.35 | 0.371 | 0.49 | 2.4 |
| YY13244 | | 18.2 | 73.6 | <0.002 | 0.04 | 1.24 | 11.3 | 1 | 2.8 | 131.0 | 0.79 | <0.05 | 11.30 | 0.385 | 0.54 | 2.5 |
| YY13245 | | 19.7 | 70.6 | <0.002 | 0.03 | 1.20 | 10.8 | 1 | 2.4 | 118.0 | 0.83 | <0.05 | 9.25 | 0.420 | 0.58 | 2.4 |
| YY13246 | | 39.3 | 82.0 | <0.002 | 0.02 | 1.15 | 10.9 | 1 | 6.7 | 128.0 | 0.77 | 0.06 | 10.60 | 0.373 | 0.68 | 2.6 |
| YY13247 | | 21.4 | 76.3 | <0.002 | 0.02 | 1.18 | 10.7 | 1 | 2.9 | 131.0 | 0.75 | <0.05 | 10.45 | 0.382 | 0.55 | 2.6 |
| YY13248 | | 42.3 | 81.7 | <0.002 | 0.02 | 1.36 | 11.7 | 1 | 7.2 | 139.0 | 0.81 | <0.05 | 9.98 | 0.392 | 0.68 | 3.0 |
| YY13249 | | 12.3 | 47.8 | <0.002 | 0.01 | 1.01 | 9.4 | 1 | 1.5 | 136.5 | 0.87 | <0.05 | 8.77 | 0.408 | 0.37 | 2.4 |
| YY13250 | | 20.7 | 83.8 | <0.002 | 0.02 | 1.41 | 11.8 | 1 | 3.4 | 146.5 | 1.12 | 0.10 | 11.65 | 0.541 | 0.78 | 2.7 |
| CC94616 | | 14.2 | 84.9 | <0.002 | 0.02 | 1.17 | 9.8 | 1 | 3.1 | 122.5 | 0.90 | 0.05 | 12.45 | 0.414 | 0.69 | 2.3 |
| CC94617 | | 14.0 | 165.0 | 0.002 | 0.03 | 1.02 | 12.9 | 1 | 6.2 | 91.3 | 1.27 | <0.05 | 18.70 | 0.534 | 1.75 | 2.9 |
| CC94618 | | 15.0 | 84.7 | <0.002 | 0.03 | 1.59 | 11.1 | 1 | 2.9 | 114.0 | 1.01 | 0.05 | 11.55 | 0.452 | 0.75 | 2.4 |
| CC94619 | | 10.9 | 131.0 | <0.002 | 0.01 | 1.65 | 10.8 | 1 | 38.0 | 110.5 | 0.96 | <0.05 | 12.65 | 0.435 | 1.44 | 2.2 |
| CC94620 | | 15.9 | 63.9 | <0.002 | 0.03 | 1.17 | 10.5 | 1 | 2.0 | 133.5 | 0.89 | 0.06 | 9.71 | 0.449 | 0.55 | 2.1 |
| CC94621 | | 14.9 | 66.2 | 0.002 | 0.02 | 1.28 | 10.6 | 1 | 2.3 | 119.5 | 0.91 | 0.05 | 10.15 | 0.429 | 0.54 | 2.4 |
| CC94622 | | 18.7 | 79.6 | 0.002 | 0.02 | 1.54 | 12.2 | 1 | 5.0 | 154.0 | 0.98 | <0.05 | 10.90 | 0.490 | 0.67 | 2.8 |
| CC94623 | | 12.5 | 45.6 | <0.002 | 0.02 | 1.04 | 7.2 | 1 | 1.6 | 116.5 | 0.72 | <0.05 | 8.83 | 0.366 | 0.34 | 1.9 |
| CC94624 | | 15.9 | 63.9 | <0.002 | 0.02 | 1.13 | 9.2 | 1 | 2.4 | 131.5 | 0.83 | <0.05 | 11.35 | 0.421 | 0.52 | 2.2 |
| CC94625 | | 15.3 | 72.1 | <0.002 | 0.02 | 0.88 | 9.6 | 1 | 2.7 | 129.0 | 0.83 | <0.05 | 11.30 | 0.386 | 0.54 | 2.5 |
| CC94626 | | 14.3 | 54.9 | <0.002 | 0.02 | 1.16 | 8.6 | 1 | 1.4 | 122.0 | 0.75 | <0.05 | 10.50 | 0.384 | 0.36 | 2.3 |
| CC94627 | | 18.8 | 74.1 | <0.002 | 0.03 | 1.13 | 10.1 | 1 | 2.0 | 119.0 | 0.78 | <0.05 | 11.35 | 0.381 | 0.55 | 2.6 |
| CC94628 | | 19.0 | 80.8 | <0.002 | 0.04 | 1.44 | 10.0 | <1 | 2.1 | 121.5 | 0.86 | <0.05 | 14.40 | 0.405 | 0.56 | 2.7 |
| CC94629 | | 14.1 | 61.1 | <0.002 | 0.03 | 1.27 | 8.8 | 1 | 1.5 | 128.0 | 0.74 | <0.05 | 10.55 | 0.385 | 0.45 | 2.2 |
| CC94630 | | 12.7 | 59.6 | <0.002 | 0.02 | 1.07 | 8.8 | 1 | 1.6 | 137.0 | 0.75 | <0.05 | 10.35 | 0.367 | 0.41 | 2.1 |
| CC94631 | | 47.1 | 93.5 | <0.002 | 0.02 | 1.12 | 11.4 | 1 | 5.2 | 132.5 | 0.87 | <0.05 | 14.45 | 0.404 | 0.73 | 2.9 |
| CC94632 | | 31.0 | 94.0 | <0.002 | 0.03 | 1.24 | 11.4 | 1 | 2.7 | 141.0 | 0.86 | 0.05 | 15.15 | 0.405 | 0.62 | 3.1 |
| CC94633 | | 13.0 | 58.3 | <0.002 | 0.01 | 1.16 | 8.8 | 1 | 1.5 | 140.0 | 0.75 | <0.05 | 11.45 | 0.388 | 0.39 | 2.7 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| YY13229 | | 104 | 1.3 | 14.8 | 81 | 92.6 |
| YY13230 | | 110 | 1.6 | 15.5 | 80 | 78.7 |
| YY13231 | | 107 | 1.2 | 17.2 | 98 | 92.7 |
| YY13232 | | 101 | 1.2 | 13.7 | 87 | 70.0 |
| YY13233 | | 95 | 1.3 | 12.8 | 69 | 78.5 |
| YY13234 | | 108 | 1.3 | 12.6 | 66 | 70.5 |
| YY13235 | | 104 | 1.3 | 13.6 | 79 | 72.2 |
| YY13236 | | 110 | 1.4 | 12.7 | 74 | 83.1 |
| YY13237 | | 100 | 1.3 | 13.7 | 77 | 78.9 |
| YY13238 | | 100 | 1.4 | 14.6 | 78 | 85.1 |
| YY13239 | | 99 | 1.2 | 14.2 | 86 | 68.5 |
| YY13240 | | 119 | 1.3 | 15.3 | 91 | 85.4 |
| YY13241 | | 104 | 1.3 | 15.5 | 111 | 108.5 |
| YY13242 | | 97 | 1.0 | 11.9 | 68 | 69.0 |
| YY13243 | | 96 | 1.1 | 12.5 | 72 | 69.2 |
| YY13244 | | 103 | 1.2 | 11.8 | 89 | 77.5 |
| YY13245 | | 119 | 1.4 | 11.5 | 72 | 76.2 |
| YY13246 | | 100 | 2.0 | 11.9 | 105 | 73.4 |
| YY13247 | | 101 | 1.3 | 13.4 | 101 | 76.6 |
| YY13248 | | 101 | 1.9 | 13.2 | 150 | 69.9 |
| YY13249 | | 92 | 1.4 | 15.0 | 76 | 69.5 |
| YY13250 | | 125 | 2.9 | 14.4 | 127 | 71.5 |
| CC94616 | | 102 | 2.2 | 12.1 | 106 | 67.3 |
| CC94617 | | 94 | 6.5 | 12.0 | 145 | 78.6 |
| CC94618 | | 113 | 3.9 | 11.5 | 87 | 69.2 |
| CC94619 | | 104 | 11.6 | 13.4 | 92 | 68.0 |
| CC94620 | | 119 | 1.3 | 11.0 | 77 | 65.7 |
| CC94621 | | 114 | 1.6 | 13.8 | 97 | 64.6 |
| CC94622 | | 124 | 2.3 | 16.2 | 139 | 74.2 |
| CC94623 | | 81 | 1.2 | 11.0 | 75 | 56.2 |
| CC94624 | | 94 | 1.2 | 11.7 | 152 | 65.7 |
| CC94625 | | 98 | 1.2 | 11.6 | 133 | 66.3 |
| CC94626 | | 88 | 1.4 | 12.0 | 73 | 70.5 |
| CC94627 | | 109 | 1.3 | 11.4 | 71 | 71.5 |
| CC94628 | | 110 | 1.2 | 11.9 | 75 | 79.5 |
| CC94629 | | 102 | 1.1 | 10.0 | 71 | 65.0 |
| CC94630 | | 96 | 1.0 | 11.0 | 69 | 65.3 |
| CC94631 | | 106 | 1.5 | 13.3 | 90 | 89.5 |
| CC94632 | | 118 | 1.4 | 13.8 | 97 | 85.0 |
| CC94633 | | 93 | 1.1 | 14.8 | 77 | 73.5 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94634 | | 0.50 | 0.006 | 0.08 | 5.88 | 37.5 | 820 | 1.31 | 0.23 | 0.62 | 0.18 | 69.9 | 7.6 | 69 | 5.61 | 18.8 |
| CC94635 | | 0.51 | 0.004 | 0.14 | 5.64 | 17.5 | 820 | 1.32 | 0.19 | 0.74 | 0.27 | 87.0 | 10.4 | 61 | 3.89 | 29.4 |
| CC94636 | | 0.51 | 0.005 | 0.13 | 6.21 | 40.5 | 850 | 1.33 | 0.36 | 0.63 | 0.21 | 77.3 | 6.6 | 69 | 5.54 | 19.5 |
| CC94637 | | 0.51 | 0.014 | 0.07 | 5.24 | 14.2 | 750 | 1.07 | 0.23 | 0.63 | 0.12 | 71.0 | 5.8 | 64 | 3.69 | 17.0 |
| CC94638 | | 0.48 | 0.007 | 0.14 | 5.24 | 13.8 | 790 | 1.14 | 0.19 | 0.81 | 0.20 | 76.1 | 9.3 | 66 | 3.01 | 20.8 |
| CC94639 | | 0.45 | 0.006 | 0.11 | 5.54 | 15.9 | 780 | 1.23 | 0.19 | 0.76 | 0.28 | 68.8 | 10.0 | 70 | 3.68 | 17.5 |
| CC94640 | | 0.46 | 0.004 | 0.08 | 5.27 | 11.8 | 800 | 1.13 | 0.17 | 0.79 | 0.25 | 68.4 | 9.6 | 63 | 2.85 | 21.6 |
| CC94641 | | 0.39 | 0.005 | 0.04 | 5.51 | 13.7 | 760 | 1.12 | 0.22 | 0.68 | 0.11 | 62.9 | 7.3 | 70 | 3.70 | 15.2 |
| CC94642 | | 0.44 | 0.005 | 0.06 | 5.70 | 13.4 | 810 | 1.29 | 0.19 | 0.64 | 0.21 | 78.5 | 7.9 | 63 | 5.91 | 22.6 |
| CC94643 | | 0.42 | 0.004 | 0.06 | 5.19 | 11.3 | 780 | 0.92 | 0.20 | 0.74 | 0.11 | 56.0 | 6.2 | 66 | 3.56 | 15.6 |
| CC94644 | | 0.47 | 0.007 | 0.09 | 6.29 | 13.4 | 950 | 1.51 | 0.22 | 0.84 | 0.37 | 77.8 | 12.5 | 73 | 5.34 | 24.3 |
| CC94645 | | 0.38 | 0.004 | 0.46 | 5.79 | 18.8 | 790 | 1.42 | 0.22 | 0.65 | 0.31 | 75.3 | 10.3 | 63 | 9.80 | 22.5 |
| CC94646 | | 0.51 | 0.004 | 0.12 | 6.41 | 31.5 | 850 | 1.31 | 0.24 | 0.71 | 0.18 | 81.5 | 9.9 | 76 | 5.10 | 20.4 |
| CC94647 | | 0.46 | 0.004 | 0.03 | 5.10 | 16.8 | 710 | 1.07 | 0.18 | 0.66 | 0.13 | 59.7 | 7.1 | 63 | 3.12 | 16.4 |
| CC94649 | | 0.40 | 0.008 | 0.06 | 6.04 | 20.4 | 800 | 1.22 | 0.22 | 0.70 | 0.23 | 65.9 | 10.0 | 72 | 4.62 | 19.1 |
| CC94650 | | 0.46 | 0.022 | 0.10 | 4.73 | 14.8 | 690 | 0.99 | 0.18 | 0.72 | 0.16 | 79.4 | 7.4 | 61 | 2.33 | 19.6 |
| CC94651 | | 0.51 | 0.006 | 0.05 | 6.21 | 31.2 | 880 | 1.48 | 0.25 | 0.57 | 0.29 | 81.1 | 10.2 | 83 | 7.99 | 21.3 |
| CC94652 | | 0.48 | 0.009 | 0.05 | 5.13 | 18.1 | 840 | 1.20 | 0.16 | 0.71 | 0.33 | 80.3 | 10.3 | 57 | 3.73 | 26.5 |
| CC94653 | | 0.45 | 0.004 | 0.04 | 4.65 | 15.6 | 710 | 1.02 | 0.16 | 0.59 | 0.33 | 53.9 | 9.8 | 52 | 5.11 | 18.3 |
| CC94654 | | 0.49 | 0.004 | 0.07 | 4.97 | 21.5 | 710 | 1.15 | 0.22 | 0.58 | 0.32 | 64.7 | 8.3 | 64 | 5.55 | 19.3 |
| CC94655 | | 0.44 | 0.007 | 0.07 | 5.84 | 25.9 | 790 | 1.38 | 0.27 | 0.66 | 0.40 | 67.6 | 11.6 | 69 | 5.76 | 23.9 |
| CC94656 | | 0.48 | 0.013 | 0.09 | 7.29 | 72.5 | 980 | 1.94 | 0.42 | 0.44 | 0.64 | 92.7 | 14.1 | 75 | 15.30 | 39.8 |
| CC94657 | | 0.48 | 0.005 | 0.04 | 6.07 | 20.5 | 880 | 1.52 | 0.30 | 0.65 | 0.70 | 79.2 | 11.8 | 67 | 7.93 | 32.7 |
| CC94658 | | 0.47 | 0.005 | 0.10 | 6.47 | 40.0 | 910 | 1.95 | 0.40 | 0.78 | 0.70 | 89.3 | 12.8 | 87 | 19.55 | 34.9 |
| CC94659 | | 0.49 | 0.009 | 0.10 | 5.91 | 27.5 | 770 | 1.48 | 0.43 | 0.56 | 0.32 | 62.0 | 10.3 | 66 | 11.80 | 21.6 |
| CC94660 | | 0.51 | 0.011 | 0.09 | 5.92 | 30.1 | 870 | 1.56 | 0.47 | 0.62 | 0.37 | 74.2 | 11.3 | 62 | 7.37 | 39.4 |
| CC94661 | | 0.51 | 0.004 | 0.06 | 5.25 | 24.6 | 760 | 1.19 | 0.25 | 0.59 | 0.20 | 66.2 | 8.4 | 63 | 5.02 | 20.1 |
| CC94662 | | 0.49 | 0.004 | 0.05 | 7.30 | 24.2 | 1060 | 2.01 | 0.27 | 0.48 | 0.27 | 86.2 | 11.9 | 72 | 11.80 | 27.9 |
| CC94663 | | 0.47 | 0.008 | 0.03 | 6.30 | 18.3 | 860 | 1.72 | 0.20 | 0.48 | 0.18 | 84.0 | 8.4 | 65 | 10.50 | 27.1 |
| CC94664 | | 0.53 | 0.004 | 0.06 | 6.23 | 18.7 | 910 | 1.62 | 0.27 | 0.67 | 0.24 | 82.7 | 12.0 | 68 | 7.58 | 33.3 |
| CC94665 | | 0.48 | 0.007 | 0.13 | 6.34 | 22.1 | 900 | 1.45 | 0.24 | 0.77 | 0.31 | 65.7 | 10.5 | 78 | 8.59 | 29.4 |
| CC94666 | | 0.47 | 0.014 | 0.10 | 4.78 | 23.0 | 780 | 1.23 | 0.23 | 0.83 | 0.45 | 99.0 | 10.8 | 71 | 5.40 | 30.0 |
| CC94667 | | 0.51 | 0.005 | 0.23 | 5.65 | 46.0 | 800 | 1.39 | 0.29 | 0.72 | 0.70 | 72.9 | 10.5 | 65 | 4.42 | 28.7 |
| CC94668 | | 0.49 | 0.005 | 0.11 | 5.63 | 42.1 | 740 | 1.30 | 0.29 | 0.63 | 0.60 | 68.5 | 12.5 | 62 | 6.05 | 30.2 |
| CC94669 | | 0.46 | 0.006 | 0.07 | 5.85 | 31.9 | 870 | 1.35 | 1.57 | 0.86 | 0.35 | 73.2 | 8.4 | 70 | 5.02 | 22.5 |
| CC94670 | | 0.53 | 0.007 | 0.15 | 5.93 | 39.5 | 800 | 1.38 | 0.36 | 0.58 | 0.37 | 78.8 | 11.7 | 68 | 8.08 | 24.7 |
| CC94671 | | 0.49 | 0.005 | 0.07 | 5.46 | 15.9 | 720 | 1.27 | 0.25 | 0.53 | 0.17 | 81.6 | 7.4 | 64 | 6.31 | 25.2 |
| CC94672 | | 0.46 | 0.011 | 0.05 | 4.81 | 18.3 | 700 | 1.24 | 0.18 | 0.67 | 0.21 | 68.4 | 10.3 | 55 | 3.11 | 19.9 |
| CC94673 | | 0.52 | 0.009 | 0.07 | 5.47 | 15.4 | 720 | 1.27 | 0.23 | 0.65 | 0.20 | 80.0 | 7.5 | 69 | 4.25 | 24.1 |
| CC94674 | | 0.49 | 0.016 | 0.10 | 6.13 | 21.9 | 800 | 1.52 | 0.25 | 0.71 | 0.33 | 90.7 | 9.8 | 69 | 5.95 | 28.5 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94634 | | 3.37 | 14.50 | 0.08 | 2.0 | 0.051 | 1.53 | 36.0 | 26.7 | 0.70 | 344 | 1.30 | 0.92 | 11.4 | 19.4 | 1060 |
| CC94635 | | 3.20 | 13.30 | 0.09 | 2.2 | 0.048 | 1.44 | 41.1 | 25.7 | 0.71 | 423 | 0.92 | 1.04 | 11.2 | 24.3 | 820 |
| CC94636 | | 3.25 | 14.65 | 0.09 | 2.2 | 0.078 | 1.68 | 39.0 | 28.2 | 0.70 | 310 | 1.17 | 0.98 | 11.1 | 19.4 | 770 |
| CC94637 | | 2.93 | 12.80 | 0.11 | 2.0 | 0.048 | 1.24 | 34.6 | 23.0 | 0.64 | 281 | 1.13 | 0.91 | 11.6 | 15.8 | 740 |
| CC94638 | | 3.15 | 11.90 | 0.08 | 2.1 | 0.043 | 1.28 | 37.9 | 21.9 | 0.67 | 471 | 1.10 | 1.00 | 11.9 | 19.8 | 990 |
| CC94639 | | 3.35 | 13.25 | 0.08 | 2.0 | 0.046 | 1.29 | 35.1 | 32.2 | 0.75 | 483 | 1.08 | 1.03 | 11.3 | 27.0 | 930 |
| CC94640 | | 3.03 | 11.55 | 0.07 | 2.0 | 0.037 | 1.29 | 34.3 | 22.6 | 0.64 | 547 | 1.04 | 0.96 | 10.4 | 20.7 | 860 |
| CC94641 | | 3.22 | 13.80 | 0.07 | 2.1 | 0.062 | 1.24 | 31.8 | 23.5 | 0.68 | 329 | 1.31 | 0.93 | 11.1 | 17.0 | 830 |
| CC94642 | | 2.99 | 14.45 | 0.11 | 2.1 | 0.079 | 1.46 | 38.9 | 29.6 | 0.64 | 333 | 0.95 | 0.95 | 12.4 | 20.4 | 580 |
| CC94643 | | 2.82 | 12.10 | 0.08 | 1.8 | 0.039 | 1.21 | 28.0 | 21.1 | 0.65 | 323 | 1.09 | 0.98 | 10.9 | 16.6 | 910 |
| CC94644 | | 3.38 | 14.25 | 0.10 | 2.2 | 0.046 | 1.57 | 38.7 | 31.9 | 0.74 | 694 | 1.02 | 1.08 | 12.7 | 23.2 | 840 |
| CC94645 | | 2.87 | 14.70 | 0.12 | 2.1 | 0.056 | 1.49 | 40.6 | 35.0 | 0.60 | 516 | 1.15 | 0.90 | 10.7 | 21.0 | 840 |
| CC94646 | | 3.52 | 15.65 | 0.10 | 3.0 | 0.070 | 1.56 | 40.4 | 33.7 | 0.75 | 440 | 1.22 | 0.98 | 13.9 | 21.6 | 830 |
| CC94647 | | 2.94 | 12.25 | 0.07 | 1.8 | 0.047 | 1.12 | 30.3 | 23.4 | 0.65 | 319 | 0.99 | 0.96 | 10.6 | 17.5 | 640 |
| CC94649 | | 3.70 | 14.85 | 0.08 | 2.0 | 0.061 | 1.33 | 33.0 | 28.8 | 0.76 | 480 | 1.23 | 1.02 | 12.2 | 21.7 | 830 |
| CC94650 | | 2.77 | 10.80 | 0.12 | 2.1 | 0.035 | 1.09 | 39.6 | 20.3 | 0.60 | 390 | 0.84 | 0.95 | 10.9 | 17.4 | 840 |
| CC94651 | | 3.67 | 16.00 | 0.08 | 1.8 | 0.067 | 1.60 | 40.4 | 36.4 | 0.71 | 425 | 0.91 | 0.86 | 16.7 | 26.1 | 750 |
| CC94652 | | 3.07 | 12.35 | 0.13 | 1.8 | 0.046 | 1.33 | 37.3 | 23.5 | 0.64 | 502 | 1.06 | 0.93 | 11.6 | 28.0 | 700 |
| CC94653 | | 2.72 | 10.70 | 0.08 | 1.4 | 0.044 | 1.05 | 26.3 | 24.2 | 0.58 | 445 | 0.83 | 0.88 | 9.4 | 23.0 | 580 |
| CC94654 | | 3.21 | 12.75 | 0.12 | 1.8 | 0.063 | 1.11 | 31.6 | 27.7 | 0.62 | 406 | 1.14 | 0.83 | 11.6 | 22.4 | 820 |
| CC94655 | | 3.51 | 14.70 | 0.10 | 1.9 | 0.068 | 1.31 | 32.4 | 28.3 | 0.74 | 521 | 1.26 | 0.95 | 11.8 | 24.0 | 850 |
| CC94656 | | 3.89 | 19.30 | 0.14 | 2.0 | 0.101 | 2.06 | 44.3 | 52.3 | 0.91 | 628 | 0.91 | 0.83 | 15.2 | 35.3 | 580 |
| CC94657 | | 3.52 | 15.75 | 0.09 | 1.8 | 0.085 | 1.34 | 38.5 | 37.9 | 0.94 | 552 | 1.13 | 0.91 | 12.1 | 30.4 | 630 |
| CC94658 | | 3.65 | 16.65 | 0.11 | 1.9 | 0.430 | 1.65 | 41.9 | 64.4 | 0.82 | 615 | 1.21 | 1.03 | 14.1 | 39.6 | 360 |
| CC94659 | | 3.45 | 15.65 | 0.08 | 1.6 | 0.091 | 1.38 | 30.0 | 40.5 | 0.70 | 473 | 1.25 | 0.86 | 11.2 | 25.8 | 810 |
| CC94660 | | 3.32 | 14.95 | 0.07 | 1.7 | 0.080 | 1.34 | 35.5 | 40.0 | 0.74 | 528 | 0.92 | 0.93 | 11.4 | 31.3 | 690 |
| CC94661 | | 2.96 | 13.95 | 0.10 | 1.8 | 0.074 | 1.25 | 32.7 | 31.6 | 0.64 | 376 | 1.05 | 0.87 | 12.2 | 21.9 | 670 |
| CC94662 | | 3.99 | 19.20 | 0.09 | 2.1 | 0.087 | 2.06 | 42.1 | 51.5 | 0.84 | 575 | 1.21 | 0.91 | 14.6 | 31.5 | 670 |
| CC94663 | | 3.47 | 16.25 | 0.10 | 1.9 | 0.066 | 1.75 | 40.5 | 41.8 | 0.71 | 392 | 0.85 | 0.84 | 13.2 | 27.8 | 570 |
| CC94664 | | 3.43 | 16.25 | 0.13 | 1.9 | 0.063 | 1.52 | 40.5 | 37.6 | 0.73 | 517 | 1.11 | 1.06 | 13.4 | 29.6 | 780 |
| CC94665 | | 3.63 | 16.20 | 0.11 | 1.9 | 0.082 | 1.45 | 31.5 | 40.6 | 0.86 | 429 | 1.28 | 1.06 | 13.7 | 27.7 | 850 |
| CC94666 | | 3.37 | 11.80 | 0.10 | 2.3 | 0.054 | 1.12 | 45.2 | 31.7 | 0.63 | 624 | 1.08 | 0.91 | 13.9 | 25.0 | 910 |
| CC94667 | | 3.30 | 13.80 | 0.08 | 2.0 | 0.115 | 1.31 | 35.0 | 30.2 | 0.68 | 513 | 1.08 | 0.95 | 12.0 | 25.5 | 800 |
| CC94668 | | 3.32 | 13.50 | 0.09 | 1.9 | 0.170 | 1.28 | 32.5 | 29.4 | 0.66 | 525 | 1.11 | 0.92 | 10.8 | 24.6 | 760 |
| CC94669 | | 3.42 | 14.25 | 0.07 | 2.1 | 0.150 | 1.55 | 36.0 | 29.0 | 0.72 | 445 | 1.30 | 1.00 | 12.2 | 22.4 | 770 |
| CC94670 | | 3.58 | 15.50 | 0.11 | 2.0 | 0.075 | 1.41 | 37.8 | 35.0 | 0.70 | 502 | 1.23 | 0.92 | 12.0 | 25.4 | 780 |
| CC94671 | | 3.47 | 14.70 | 0.09 | 2.1 | 0.053 | 1.31 | 39.5 | 30.1 | 0.65 | 405 | 1.33 | 0.83 | 11.9 | 21.2 | 910 |
| CC94672 | | 2.95 | 12.05 | 0.07 | 1.9 | 0.044 | 1.11 | 31.8 | 26.8 | 0.63 | 447 | 1.05 | 0.93 | 10.7 | 22.3 | 550 |
| CC94673 | | 3.37 | 14.20 | 0.09 | 2.3 | 0.054 | 1.32 | 39.2 | 29.9 | 0.72 | 400 | 1.48 | 0.89 | 12.2 | 21.7 | 780 |
| CC94674 | | 3.69 | 15.75 | 0.12 | 2.3 | 0.066 | 1.44 | 41.4 | 38.2 | 0.76 | 462 | 1.53 | 1.03 | 12.4 | 26.7 | 970 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94634 | | 19.1 | 75.9 | <0.002 | 0.04 | 1.23 | 10.0 | 1 | 1.9 | 124.5 | 0.78 | 0.06 | 11.55 | 0.403 | 0.55 | 2.7 |
| CC94635 | | 14.8 | 67.1 | <0.002 | 0.01 | 1.21 | 10.8 | 1 | 1.7 | 144.5 | 0.82 | 0.05 | 12.40 | 0.417 | 0.47 | 3.3 |
| CC94636 | | 21.8 | 82.8 | <0.002 | 0.02 | 1.09 | 9.7 | 1 | 4.1 | 128.0 | 0.79 | <0.05 | 13.55 | 0.399 | 0.65 | 2.8 |
| CC94637 | | 14.6 | 61.8 | <0.002 | 0.02 | 0.97 | 9.6 | 1 | 1.9 | 122.0 | 0.79 | <0.05 | 11.55 | 0.407 | 0.50 | 2.4 |
| CC94638 | | 12.5 | 58.4 | <0.002 | 0.03 | 1.09 | 9.0 | 2 | 1.6 | 144.0 | 0.82 | 0.05 | 11.20 | 0.442 | 0.38 | 2.6 |
| CC94639 | | 14.6 | 64.3 | <0.002 | 0.02 | 1.03 | 10.0 | 1 | 1.6 | 145.5 | 0.78 | 0.05 | 10.90 | 0.408 | 0.43 | 2.4 |
| CC94640 | | 13.0 | 59.7 | <0.002 | 0.02 | 1.02 | 9.1 | 1 | 1.3 | 138.0 | 0.74 | <0.05 | 9.87 | 0.399 | 0.40 | 2.3 |
| CC94641 | | 16.3 | 60.2 | <0.002 | 0.02 | 1.14 | 10.1 | 1 | 1.8 | 130.5 | 0.77 | <0.05 | 9.63 | 0.411 | 0.54 | 2.3 |
| CC94642 | | 17.4 | 72.6 | <0.002 | 0.01 | 1.83 | 11.1 | 1 | 2.1 | 139.0 | 0.86 | <0.05 | 11.85 | 0.399 | 0.57 | 2.6 |
| CC94643 | | 14.5 | 57.4 | <0.002 | 0.02 | 0.97 | 9.1 | 1 | 1.5 | 137.0 | 0.89 | 0.05 | 8.66 | 0.392 | 0.43 | 2.7 |
| CC94644 | | 17.0 | 74.7 | <0.002 | 0.02 | 1.79 | 10.6 | 1 | 1.8 | 165.5 | 0.82 | <0.05 | 12.85 | 0.432 | 0.52 | 2.8 |
| CC94645 | | 29.0 | 79.1 | <0.002 | 0.04 | 1.19 | 10.0 | 1 | 2.2 | 139.0 | 0.72 | 0.05 | 10.65 | 0.358 | 0.59 | 2.9 |
| CC94646 | | 26.3 | 76.5 | <0.002 | 0.02 | 1.78 | 11.4 | 1 | 2.3 | 149.0 | 0.95 | <0.05 | 12.40 | 0.464 | 0.60 | 2.8 |
| CC94647 | | 14.1 | 55.1 | <0.002 | 0.02 | 1.09 | 9.7 | 1 | 1.5 | 132.0 | 0.74 | 0.06 | 9.54 | 0.388 | 0.43 | 2.1 |
| CC94649 | | 15.4 | 66.1 | <0.002 | 0.02 | 1.18 | 10.6 | 1 | 1.7 | 142.0 | 0.81 | <0.05 | 10.40 | 0.446 | 0.51 | 2.4 |
| CC94650 | | 12.0 | 51.6 | <0.002 | 0.01 | 1.00 | 8.7 | 1 | 1.3 | 133.5 | 0.82 | <0.05 | 10.95 | 0.443 | 0.36 | 2.4 |
| CC94651 | | 14.9 | 82.5 | <0.002 | 0.02 | 1.22 | 11.7 | 1 | 3.7 | 120.0 | 1.04 | <0.05 | 12.05 | 0.507 | 0.70 | 2.4 |
| CC94652 | | 15.1 | 65.2 | <0.002 | 0.01 | 1.28 | 9.3 | <1 | 2.0 | 134.5 | 0.84 | <0.05 | 10.60 | 0.398 | 0.50 | 2.6 |
| CC94653 | | 12.5 | 52.2 | <0.002 | 0.02 | 0.98 | 8.1 | <1 | 1.6 | 121.0 | 0.66 | 0.05 | 7.79 | 0.320 | 0.47 | 1.9 |
| CC94654 | | 14.1 | 57.9 | <0.002 | 0.02 | 1.17 | 9.4 | 1 | 2.0 | 115.5 | 0.85 | 0.05 | 8.86 | 0.391 | 0.51 | 2.2 |
| CC94655 | | 14.9 | 69.9 | <0.002 | 0.03 | 1.18 | 10.5 | <1 | 2.4 | 134.0 | 0.82 | <0.05 | 15.10 | 0.403 | 0.67 | 2.7 |
| CC94656 | | 16.9 | 122.0 | <0.002 | 0.02 | 1.14 | 12.7 | <1 | 5.4 | 109.5 | 1.08 | <0.05 | 14.45 | 0.436 | 1.23 | 2.8 |
| CC94657 | | 19.3 | 72.8 | <0.002 | 0.02 | 1.06 | 11.1 | <1 | 3.5 | 129.0 | 0.84 | <0.05 | 11.90 | 0.398 | 0.73 | 2.8 |
| CC94658 | | 18.4 | 91.0 | <0.002 | 0.01 | 1.10 | 11.4 | <1 | 9.8 | 153.0 | 1.08 | <0.05 | 12.80 | 0.458 | 0.79 | 2.6 |
| CC94659 | | 16.7 | 81.3 | <0.002 | 0.02 | 0.96 | 10.1 | 1 | 3.3 | 123.5 | 0.77 | <0.05 | 10.00 | 0.359 | 0.65 | 2.2 |
| CC94660 | | 15.4 | 72.1 | 0.002 | 0.02 | 1.03 | 10.7 | 1 | 4.1 | 127.5 | 0.80 | <0.05 | 11.35 | 0.377 | 0.63 | 2.5 |
| CC94661 | | 13.0 | 68.3 | <0.002 | 0.01 | 1.04 | 9.9 | 1 | 2.6 | 123.0 | 0.85 | <0.05 | 9.10 | 0.398 | 0.59 | 2.2 |
| CC94662 | | 17.5 | 119.5 | <0.002 | 0.02 | 1.04 | 12.5 | 1 | 3.9 | 121.0 | 1.07 | <0.05 | 13.40 | 0.447 | 1.02 | 2.9 |
| CC94663 | | 14.7 | 95.5 | 0.002 | 0.02 | 0.87 | 10.8 | 1 | 3.2 | 115.0 | 0.92 | <0.05 | 12.80 | 0.402 | 0.81 | 2.6 |
| CC94664 | | 16.7 | 79.7 | <0.002 | 0.02 | 1.09 | 11.9 | 1 | 2.6 | 146.0 | 0.93 | <0.05 | 11.45 | 0.415 | 0.64 | 2.7 |
| CC94665 | | 15.7 | 78.0 | <0.002 | 0.02 | 1.10 | 11.9 | 1 | 2.5 | 152.0 | 0.94 | <0.05 | 9.39 | 0.450 | 0.69 | 2.5 |
| CC94666 | | 12.6 | 55.4 | <0.002 | 0.01 | 1.25 | 9.7 | <1 | 2.0 | 138.5 | 1.06 | <0.05 | 11.70 | 0.537 | 0.48 | 2.8 |
| CC94667 | | 17.4 | 70.1 | <0.002 | 0.02 | 1.14 | 10.3 | 1 | 2.6 | 135.5 | 0.84 | 0.05 | 10.80 | 0.416 | 0.60 | 2.6 |
| CC94668 | | 23.9 | 69.5 | <0.002 | 0.02 | 1.11 | 10.3 | 1 | 3.6 | 130.5 | 0.77 | <0.05 | 9.79 | 0.386 | 0.67 | 2.4 |
| CC94669 | | 23.7 | 74.4 | 0.002 | 0.03 | 1.30 | 10.2 | 1 | 4.0 | 150.5 | 0.92 | 0.05 | 10.65 | 0.422 | 0.61 | 2.7 |
| CC94670 | | 19.2 | 77.8 | <0.002 | 0.03 | 1.29 | 10.9 | 1 | 3.0 | 128.5 | 0.85 | 0.09 | 11.45 | 0.397 | 0.71 | 2.8 |
| CC94671 | | 15.6 | 73.7 | <0.002 | 0.04 | 1.23 | 10.2 | <1 | 2.1 | 119.5 | 0.87 | <0.05 | 12.30 | 0.398 | 0.54 | 2.6 |
| CC94672 | | 15.0 | 55.7 | 0.002 | 0.02 | 1.19 | 9.3 | <1 | 1.7 | 134.5 | 0.75 | <0.05 | 9.29 | 0.365 | 0.45 | 2.3 |
| CC94673 | | 15.8 | 66.8 | <0.002 | 0.04 | 1.13 | 10.3 | 1 | 1.9 | 136.0 | 0.91 | <0.05 | 12.90 | 0.429 | 0.52 | 2.9 |
| CC94674 | | 19.9 | 75.2 | <0.002 | 0.03 | 1.43 | 11.2 | 1 | 3.2 | 144.0 | 0.88 | 0.05 | 13.60 | 0.418 | 0.71 | 3.3 |

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


**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94634 | | 113 | 1.3 | 11.2 | 74 | 74.3 |
| CC94635 | | 103 | 1.4 | 18.8 | 87 | 79.0 |
| CC94636 | | 110 | 1.4 | 12.6 | 81 | 78.2 |
| CC94637 | | 104 | 1.3 | 12.8 | 58 | 74.0 |
| CC94638 | | 106 | 1.3 | 13.6 | 74 | 78.3 |
| CC94639 | | 109 | 1.3 | 14.5 | 96 | 69.6 |
| CC94640 | | 107 | 1.1 | 13.4 | 79 | 70.4 |
| CC94641 | | 119 | 1.2 | 11.5 | 67 | 71.9 |
| CC94642 | | 106 | 1.3 | 14.0 | 75 | 75.7 |
| CC94643 | | 110 | 1.2 | 11.1 | 59 | 65.3 |
| CC94644 | | 117 | 1.3 | 14.2 | 102 | 86.0 |
| CC94645 | | 96 | 1.1 | 17.7 | 70 | 76.6 |
| CC94646 | | 122 | 1.8 | 14.6 | 84 | 87.7 |
| CC94647 | | 102 | 1.2 | 12.1 | 63 | 63.4 |
| CC94649 | | 118 | 1.3 | 12.6 | 85 | 75.7 |
| CC94650 | | 95 | 1.4 | 13.5 | 66 | 71.6 |
| CC94651 | | 112 | 2.6 | 13.4 | 106 | 68.9 |
| CC94652 | | 95 | 1.3 | 15.7 | 83 | 67.0 |
| CC94653 | | 84 | 1.0 | 9.9 | 72 | 49.6 |
| CC94654 | | 101 | 1.3 | 11.6 | 76 | 66.8 |
| CC94655 | | 108 | 2.0 | 12.3 | 97 | 70.2 |
| CC94656 | | 102 | 3.1 | 15.8 | 169 | 74.5 |
| CC94657 | | 112 | 1.5 | 15.5 | 226 | 70.4 |
| CC94658 | | 108 | 2.3 | 15.7 | 205 | 72.6 |
| CC94659 | | 102 | 1.8 | 10.4 | 129 | 59.9 |
| CC94660 | | 98 | 3.5 | 13.0 | 118 | 63.0 |
| CC94661 | | 101 | 1.4 | 11.7 | 74 | 65.2 |
| CC94662 | | 112 | 2.1 | 13.9 | 126 | 78.1 |
| CC94663 | | 92 | 1.7 | 12.9 | 87 | 71.3 |
| CC94664 | | 103 | 1.7 | 15.4 | 93 | 72.3 |
| CC94665 | | 123 | 1.5 | 13.6 | 117 | 83.5 |
| CC94666 | | 105 | 2.6 | 17.5 | 99 | 78.6 |
| CC94667 | | 103 | 1.7 | 12.8 | 110 | 71.6 |
| CC94668 | | 98 | 1.6 | 12.4 | 118 | 69.7 |
| CC94669 | | 113 | 1.6 | 12.6 | 95 | 78.0 |
| CC94670 | | 106 | 1.9 | 13.0 | 93 | 78.5 |
| CC94671 | | 102 | 1.3 | 11.2 | 69 | 75.8 |
| CC94672 | | 93 | 1.1 | 11.2 | 64 | 69.5 |
| CC94673 | | 104 | 1.6 | 12.3 | 70 | 85.0 |
| CC94674 | | 112 | 1.4 | 15.2 | 91 | 89.3 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94675 | | 0.48 | 0.007 | 0.14 | 6.12 | 24.7 | 860 | 1.46 | 0.27 | 0.74 | 0.29 | 84.9 | 10.5 | 70 | 4.22 | 25.4 |
| CC94676 | | 0.48 | 0.006 | 0.07 | 5.79 | 16.8 | 760 | 1.29 | 0.25 | 0.66 | 0.17 | 81.0 | 7.0 | 74 | 5.55 | 21.0 |
| CC94677 | | 0.45 | 0.009 | 0.09 | 5.66 | 15.3 | 760 | 1.39 | 0.22 | 0.57 | 0.20 | 83.3 | 8.4 | 65 | 4.15 | 27.9 |
| CC94678 | | 0.46 | 0.007 | 0.09 | 5.80 | 15.1 | 800 | 1.39 | 0.23 | 0.62 | 0.23 | 84.7 | 11.5 | 67 | 4.47 | 25.8 |
| CC94679 | | 0.46 | 0.005 | 0.06 | 5.27 | 15.9 | 820 | 1.36 | 0.19 | 0.77 | 0.23 | 80.0 | 10.4 | 61 | 3.61 | 23.8 |
| CC94680 | | 0.49 | 0.005 | 0.08 | 4.56 | 15.3 | 720 | 1.28 | 0.19 | 0.72 | 0.18 | 64.9 | 8.5 | 53 | 2.30 | 20.3 |
| CC94681 | | 0.44 | 0.003 | 0.20 | 5.40 | 14.4 | 790 | 1.42 | 0.20 | 0.69 | 0.17 | 80.6 | 6.1 | 61 | 3.77 | 18.1 |
| CC94682 | | 0.44 | 0.008 | 0.15 | 5.01 | 21.7 | 720 | 1.34 | 0.19 | 0.77 | 0.24 | 98.9 | 9.5 | 64 | 4.16 | 24.4 |
| CC94683 | | 0.44 | 0.002 | 0.10 | 5.41 | 15.8 | 800 | 1.28 | 0.20 | 0.75 | 0.17 | 69.7 | 8.1 | 66 | 4.30 | 19.7 |
| CC94684 | | 0.44 | 0.001 | 0.07 | 4.52 | 15.6 | 610 | 1.02 | 0.13 | 0.80 | 0.20 | 63.8 | 10.5 | 49 | 1.69 | 24.2 |
| CC94685 | | 0.41 | 0.003 | 0.11 | 5.01 | 16.6 | 810 | 1.27 | 0.16 | 0.85 | 0.25 | 72.0 | 11.1 | 55 | 2.38 | 29.2 |
| CC94686 | | 0.52 | 0.002 | 0.08 | 5.59 | 19.1 | 740 | 1.34 | 0.24 | 0.59 | 0.20 | 75.6 | 9.1 | 64 | 4.86 | 15.7 |
| CC94687 | | 0.45 | 0.002 | 0.10 | 5.97 | 72.0 | 820 | 1.67 | 0.23 | 0.73 | 0.51 | 88.1 | 16.0 | 65 | 5.00 | 25.5 |
| CC94688 | | 0.45 | 0.003 | 0.16 | 5.79 | 34.6 | 840 | 1.40 | 0.46 | 0.71 | 0.21 | 81.3 | 13.4 | 63 | 6.76 | 38.8 |
| CC94689 | | 0.44 | 0.003 | 0.07 | 5.00 | 17.9 | 780 | 1.15 | 0.20 | 0.83 | 0.26 | 69.1 | 13.1 | 59 | 2.72 | 23.5 |
| CC94690 | | 0.43 | 0.007 | 0.13 | 5.75 | 17.8 | 930 | 1.29 | 0.23 | 0.80 | 0.24 | 74.7 | 11.2 | 69 | 3.63 | 19.7 |
| CC94691 | | 0.49 | 0.002 | 0.14 | 6.89 | 26.8 | 1050 | 1.88 | 0.29 | 0.64 | 0.47 | 105.5 | 13.8 | 70 | 7.24 | 32.1 |
| CC94692 | | 0.47 | 0.003 | 0.05 | 6.20 | 16.8 | 880 | 1.41 | 0.28 | 0.67 | 0.14 | 76.7 | 8.2 | 70 | 5.74 | 24.5 |
| CC94693 | | 0.44 | 0.004 | 0.12 | 6.67 | 20.8 | 900 | 1.80 | 0.26 | 0.69 | 0.30 | 96.9 | 12.5 | 70 | 7.27 | 32.0 |
| CC94694 | | 0.42 | 0.007 | 0.04 | 5.46 | 16.9 | 740 | 1.19 | 0.26 | 0.65 | 0.17 | 74.2 | 10.4 | 63 | 4.42 | 22.8 |
| CC94695 | | 0.50 | 0.003 | 0.07 | 5.80 | 17.6 | 820 | 1.42 | 0.24 | 0.75 | 0.17 | 91.8 | 8.7 | 65 | 4.38 | 26.3 |
| CC94696 | | 0.49 | 0.003 | 0.03 | 5.70 | 17.9 | 760 | 1.27 | 0.26 | 0.64 | 0.15 | 68.1 | 9.9 | 64 | 4.93 | 22.6 |
| CC94697 | | 0.50 | 0.007 | 0.11 | 5.28 | 19.0 | 760 | 1.39 | 0.21 | 0.71 | 0.25 | 88.7 | 9.9 | 62 | 4.45 | 25.2 |
| CC94698 | | 0.52 | 0.006 | 0.11 | 6.68 | 13.8 | 990 | 1.58 | 0.25 | 0.80 | 0.25 | 88.9 | 9.6 | 73 | 4.90 | 30.0 |
| CC94699 | | 0.51 | 0.004 | 0.04 | 6.07 | 12.9 | 820 | 1.55 | 0.24 | 0.53 | 0.22 | 82.3 | 10.2 | 64 | 6.30 | 23.7 |
| CC94700 | | 0.47 | 0.007 | 0.10 | 6.60 | 21.8 | 840 | 1.71 | 0.46 | 0.56 | 0.27 | 82.1 | 12.4 | 69 | 8.83 | 37.4 |
| CC94701 | | 0.38 | 0.006 | 0.06 | 5.67 | 28.3 | 740 | 1.23 | 0.32 | 0.50 | 0.20 | 73.2 | 7.7 | 71 | 7.76 | 19.9 |
| CC94702 | | 0.46 | 0.007 | 0.03 | 6.38 | 39.6 | 820 | 1.56 | 0.36 | 0.43 | 0.20 | 78.5 | 8.9 | 69 | 12.70 | 26.4 |
| CC94703 | | 0.38 | 0.006 | 0.08 | 5.81 | 38.4 | 810 | 1.50 | 0.24 | 0.55 | 0.29 | 75.6 | 7.1 | 70 | 7.21 | 23.0 |
| CC94704 | | 0.39 | 0.005 | 0.06 | 5.48 | 28.9 | 810 | 1.37 | 0.32 | 0.65 | 0.26 | 64.6 | 7.8 | 65 | 5.51 | 21.1 |
| CC94705 | | 0.43 | 0.006 | 0.07 | 5.97 | 26.2 | 840 | 1.48 | 0.31 | 0.63 | 0.49 | 70.1 | 10.5 | 67 | 7.10 | 20.5 |
| CC94706 | | 0.48 | 0.026 | 0.07 | 6.40 | 58.4 | 900 | 2.03 | 0.65 | 0.71 | 0.42 | 82.2 | 12.2 | 64 | 22.0 | 38.2 |
| CC94707 | | 0.42 | 0.003 | 0.08 | 6.40 | 23.2 | 720 | 2.17 | 0.69 | 0.35 | 0.67 | 71.0 | 8.9 | 59 | 19.15 | 33.5 |
| CC94708 | | 0.42 | 0.009 | 0.04 | 5.53 | 15.6 | 770 | 1.49 | 0.86 | 0.60 | 0.23 | 66.4 | 8.9 | 63 | 10.15 | 27.1 |
| CC94709 | | 0.47 | 0.010 | 0.05 | 5.29 | 17.7 | 750 | 1.11 | 0.56 | 0.68 | 0.20 | 65.2 | 8.6 | 64 | 4.41 | 18.8 |
| CC94710 | | 0.41 | 0.005 | 0.03 | 5.05 | 13.8 | 740 | 1.07 | 0.22 | 0.65 | 0.12 | 63.1 | 6.2 | 61 | 4.37 | 14.2 |
| CC94711 | | 0.50 | 0.003 | 0.03 | 6.62 | 13.6 | 910 | 1.54 | 0.27 | 0.58 | 0.16 | 77.2 | 8.2 | 70 | 8.62 | 24.0 |
| CC94712 | | 0.49 | 0.004 | 0.07 | 7.11 | 23.1 | 1000 | 1.92 | 0.84 | 0.61 | 0.25 | 92.3 | 11.0 | 74 | 15.05 | 40.0 |
| CC94713 | | 0.41 | 0.005 | 0.19 | 6.40 | 22.5 | 920 | 1.45 | 0.40 | 0.72 | 0.20 | 69.4 | 10.9 | 74 | 10.25 | 29.2 |
| CC94714 | | 0.44 | 0.013 | 0.10 | 4.64 | 15.9 | 650 | 1.02 | 0.17 | 0.66 | 0.28 | 62.3 | 8.6 | 55 | 4.24 | 20.3 |

***** 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**
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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94675 | | 3.54 | 15.10 | 0.10 | 2.1 | 0.076 | 1.42 | 39.4 | 31.5 | 0.80 | 500 | 1.40 | 1.09 | 11.5 | 25.2 | 860 |
| CC94676 | | 3.44 | 15.85 | 0.10 | 2.3 | 0.052 | 1.33 | 39.4 | 30.7 | 0.73 | 350 | 1.48 | 0.92 | 13.0 | 20.3 | 940 |
| CC94677 | | 3.38 | 14.60 | 0.09 | 2.0 | 0.050 | 1.34 | 39.9 | 29.6 | 0.69 | 377 | 1.24 | 0.90 | 11.3 | 24.0 | 720 |
| CC94678 | | 3.56 | 14.90 | 0.10 | 2.5 | 0.055 | 1.39 | 40.9 | 31.3 | 0.74 | 497 | 1.33 | 0.94 | 12.1 | 25.9 | 700 |
| CC94679 | | 3.32 | 13.05 | 0.11 | 1.9 | 0.045 | 1.25 | 38.6 | 27.1 | 0.68 | 477 | 1.17 | 0.97 | 11.4 | 24.2 | 750 |
| CC94680 | | 2.79 | 10.90 | 0.08 | 1.6 | 0.040 | 1.06 | 32.1 | 23.2 | 0.60 | 399 | 0.81 | 0.93 | 9.8 | 21.3 | 710 |
| CC94681 | | 2.89 | 13.65 | 0.11 | 2.1 | 0.055 | 1.37 | 39.0 | 27.3 | 0.64 | 284 | 0.98 | 0.88 | 11.6 | 17.7 | 730 |
| CC94682 | | 3.25 | 12.90 | 0.11 | 2.3 | 0.048 | 1.22 | 47.5 | 27.3 | 0.66 | 418 | 1.12 | 0.93 | 12.3 | 22.8 | 920 |
| CC94683 | | 3.03 | 14.45 | 0.09 | 2.0 | 0.044 | 1.28 | 33.5 | 29.6 | 0.68 | 343 | 1.28 | 0.97 | 12.1 | 20.4 | 840 |
| CC94684 | | 2.59 | 9.36 | 0.09 | 1.5 | 0.040 | 0.93 | 30.6 | 20.7 | 0.57 | 518 | 0.73 | 0.93 | 9.1 | 24.6 | 940 |
| CC94685 | | 2.97 | 11.65 | 0.10 | 1.8 | 0.063 | 1.17 | 34.7 | 23.8 | 0.65 | 535 | 0.96 | 1.06 | 9.9 | 28.5 | 810 |
| CC94686 | | 3.10 | 14.55 | 0.09 | 1.9 | 0.059 | 1.36 | 35.8 | 31.8 | 0.60 | 437 | 1.21 | 0.90 | 11.2 | 18.5 | 930 |
| CC94687 | | 3.31 | 14.75 | 0.10 | 2.2 | 0.069 | 1.61 | 41.9 | 35.4 | 0.65 | 878 | 1.20 | 0.94 | 11.8 | 26.8 | 920 |
| CC94688 | | 3.33 | 13.75 | 0.16 | 2.1 | 0.051 | 1.32 | 37.7 | 32.2 | 0.77 | 566 | 1.04 | 1.00 | 12.0 | 34.1 | 630 |
| CC94689 | | 3.15 | 11.60 | 0.15 | 2.0 | 0.042 | 1.12 | 34.5 | 22.1 | 0.66 | 717 | 1.05 | 1.01 | 11.1 | 24.2 | 980 |
| CC94690 | | 3.35 | 14.20 | 0.14 | 2.2 | 0.049 | 1.34 | 36.1 | 26.5 | 0.76 | 512 | 1.27 | 1.05 | 12.3 | 22.7 | 890 |
| CC94691 | | 3.54 | 18.55 | 0.17 | 2.7 | 0.069 | 2.01 | 50.6 | 39.2 | 0.81 | 565 | 1.12 | 1.03 | 14.8 | 31.1 | 690 |
| CC94692 | | 3.59 | 16.65 | 0.15 | 2.2 | 0.052 | 1.47 | 38.1 | 32.5 | 0.76 | 344 | 1.28 | 0.96 | 13.0 | 23.0 | 600 |
| CC94693 | | 3.67 | 16.50 | 0.18 | 2.5 | 0.059 | 1.69 | 46.4 | 43.6 | 0.77 | 448 | 1.11 | 0.98 | 13.1 | 29.6 | 860 |
| CC94694 | | 3.27 | 14.00 | 0.17 | 2.2 | 0.046 | 1.24 | 36.8 | 27.4 | 0.66 | 454 | 1.07 | 0.94 | 12.1 | 22.2 | 850 |
| CC94695 | | 3.23 | 15.10 | 0.18 | 2.4 | 0.061 | 1.46 | 44.8 | 31.0 | 0.70 | 394 | 1.13 | 0.97 | 13.4 | 22.1 | 680 |
| CC94696 | | 3.43 | 15.20 | 0.15 | 2.0 | 0.058 | 1.33 | 32.8 | 28.8 | 0.70 | 467 | 1.23 | 0.98 | 11.7 | 21.8 | 890 |
| CC94697 | | 3.12 | 13.20 | 0.18 | 2.3 | 0.044 | 1.29 | 43.7 | 33.0 | 0.66 | 422 | 0.89 | 0.91 | 12.4 | 24.0 | 760 |
| CC94698 | | 3.60 | 17.35 | 0.17 | 2.5 | 0.057 | 1.65 | 43.5 | 33.5 | 0.81 | 392 | 1.31 | 1.09 | 14.4 | 29.1 | 830 |
| CC94699 | | 3.34 | 14.95 | 0.11 | 2.2 | 0.050 | 1.49 | 40.9 | 38.0 | 0.68 | 353 | 1.47 | 0.91 | 13.4 | 28.0 | 640 |
| CC94700 | | 3.63 | 16.65 | 0.16 | 2.0 | 0.059 | 1.41 | 40.9 | 34.7 | 0.71 | 413 | 1.10 | 0.90 | 11.6 | 27.8 | 700 |
| CC94701 | | 3.30 | 17.00 | 0.14 | 2.2 | 0.053 | 1.38 | 34.9 | 31.2 | 0.63 | 403 | 1.38 | 0.83 | 13.9 | 22.0 | 950 |
| CC94702 | | 3.67 | 17.40 | 0.14 | 2.0 | 0.096 | 1.66 | 37.8 | 42.7 | 0.69 | 395 | 1.03 | 0.87 | 13.8 | 26.0 | 570 |
| CC94703 | | 3.09 | 15.30 | 0.13 | 2.0 | 0.079 | 1.54 | 38.0 | 35.3 | 0.64 | 379 | 1.03 | 0.80 | 14.9 | 21.1 | 820 |
| CC94704 | | 3.13 | 14.15 | 0.13 | 1.8 | 0.062 | 1.28 | 32.6 | 29.2 | 0.66 | 372 | 1.03 | 0.90 | 12.3 | 19.8 | 820 |
| CC94705 | | 3.43 | 15.35 | 0.15 | 1.8 | 0.070 | 1.41 | 34.9 | 40.8 | 0.67 | 489 | 1.07 | 0.92 | 12.5 | 23.9 | 680 |
| CC94706 | | 3.55 | 16.25 | 0.17 | 1.7 | 0.141 | 1.59 | 40.4 | 44.8 | 0.76 | 559 | 0.87 | 0.91 | 13.7 | 28.0 | 440 |
| CC94707 | | 3.53 | 16.05 | 0.12 | 1.6 | 0.215 | 1.63 | 31.0 | 35.3 | 0.56 | 448 | 0.72 | 0.72 | 12.0 | 18.0 | 520 |
| CC94708 | | 3.09 | 14.55 | 0.14 | 1.9 | 0.058 | 1.29 | 31.8 | 33.0 | 0.63 | 392 | 1.01 | 0.88 | 11.9 | 20.7 | 830 |
| CC94709 | | 3.00 | 13.65 | 0.15 | 1.8 | 0.062 | 1.16 | 32.8 | 26.1 | 0.65 | 399 | 1.08 | 0.95 | 11.5 | 18.8 | 1030 |
| CC94710 | | 2.85 | 13.15 | 0.16 | 2.0 | 0.047 | 1.17 | 31.6 | 27.9 | 0.64 | 277 | 0.82 | 0.90 | 12.0 | 17.4 | 700 |
| CC94711 | | 3.27 | 17.15 | 0.15 | 2.2 | 0.071 | 1.75 | 39.2 | 42.9 | 0.79 | 351 | 0.89 | 0.90 | 14.1 | 26.4 | 530 |
| CC94712 | | 3.68 | 18.40 | 0.16 | 2.2 | 0.128 | 2.00 | 46.3 | 50.3 | 0.85 | 474 | 0.93 | 0.92 | 15.4 | 30.4 | 630 |
| CC94713 | | 3.35 | 15.50 | 0.14 | 1.8 | 0.071 | 1.52 | 35.0 | 36.5 | 0.82 | 648 | 1.20 | 1.01 | 12.5 | 24.7 | 840 |
| CC94714 | | 2.82 | 11.05 | 0.13 | 1.8 | 0.044 | 1.04 | 31.3 | 24.0 | 0.56 | 481 | 0.90 | 0.89 | 10.4 | 17.6 | 1220 |

***** 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
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**Finalized Date: 18-OCT-2020**
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Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94675 | | 28.8 | 70.7 | <0.002 | 0.02 | 1.28 | 11.3 | 1 | 2.6 | 154.5 | 0.80 | 0.05 | 11.80 | 0.412 | 0.57 | 3.0 |
| CC94676 | | 15.9 | 67.7 | <0.002 | 0.03 | 1.18 | 11.5 | 1 | 2.3 | 135.0 | 0.94 | <0.05 | 11.90 | 0.452 | 0.59 | 3.0 |
| CC94677 | | 16.4 | 67.1 | <0.002 | 0.03 | 1.07 | 11.0 | 1 | 1.9 | 130.5 | 0.85 | <0.05 | 12.05 | 0.401 | 0.52 | 2.9 |
| CC94678 | | 18.1 | 72.2 | <0.002 | 0.03 | 1.11 | 10.8 | 1 | 2.1 | 134.0 | 0.88 | <0.05 | 13.15 | 0.418 | 0.62 | 3.0 |
| CC94679 | | 15.0 | 62.8 | <0.002 | 0.02 | 1.18 | 10.3 | 1 | 2.0 | 144.0 | 0.82 | 0.05 | 10.85 | 0.404 | 0.51 | 2.6 |
| CC94680 | | 15.6 | 50.8 | <0.002 | 0.01 | 1.09 | 8.5 | <1 | 1.4 | 132.0 | 0.69 | <0.05 | 8.86 | 0.360 | 0.43 | 2.1 |
| CC94681 | | 28.6 | 70.3 | <0.002 | 0.01 | 1.14 | 9.8 | <1 | 2.9 | 131.0 | 0.86 | <0.05 | 11.25 | 0.392 | 0.58 | 2.4 |
| CC94682 | | 15.0 | 61.9 | <0.002 | 0.02 | 1.17 | 9.8 | 1 | 1.9 | 146.0 | 0.91 | <0.05 | 13.50 | 0.437 | 0.49 | 3.0 |
| CC94683 | | 15.0 | 64.9 | 0.002 | 0.02 | 1.08 | 10.3 | 1 | 1.9 | 145.5 | 0.87 | <0.05 | 10.25 | 0.405 | 0.52 | 2.6 |
| CC94684 | | 11.2 | 43.2 | <0.002 | 0.01 | 1.06 | 7.9 | <1 | 1.2 | 137.0 | 0.65 | <0.05 | 8.05 | 0.336 | 0.31 | 1.8 |
| CC94685 | | 14.4 | 53.9 | <0.002 | 0.01 | 1.18 | 10.0 | <1 | 1.5 | 161.0 | 0.71 | 0.06 | 9.01 | 0.361 | 0.44 | 2.8 |
| CC94686 | | 20.4 | 73.9 | <0.002 | 0.02 | 1.05 | 9.8 | 1 | 2.1 | 128.0 | 0.81 | <0.05 | 10.50 | 0.379 | 0.61 | 2.6 |
| CC94687 | | 21.9 | 80.1 | <0.002 | 0.02 | 1.45 | 10.4 | 1 | 3.0 | 148.5 | 0.84 | <0.05 | 12.25 | 0.391 | 0.66 | 2.9 |
| CC94688 | | 17.0 | 64.0 | 0.002 | 0.02 | 1.13 | 10.5 | 1 | 3.1 | 146.5 | 0.80 | <0.05 | 10.90 | 0.385 | 0.72 | 2.9 |
| CC94689 | | 13.4 | 53.7 | <0.002 | 0.01 | 1.26 | 9.4 | 1 | 1.5 | 149.0 | 0.76 | 0.05 | 10.30 | 0.401 | 0.39 | 2.5 |
| CC94690 | | 15.3 | 69.2 | <0.002 | 0.01 | 1.13 | 10.5 | 1 | 1.9 | 151.5 | 0.88 | 0.05 | 11.05 | 0.424 | 0.49 | 2.6 |
| CC94691 | | 26.7 | 104.5 | <0.002 | 0.02 | 1.35 | 13.0 | <1 | 3.0 | 158.0 | 1.02 | <0.05 | 17.85 | 0.458 | 0.73 | 3.4 |
| CC94692 | | 17.1 | 75.2 | <0.002 | 0.01 | 1.11 | 11.5 | 1 | 2.3 | 142.5 | 0.89 | 0.06 | 12.70 | 0.423 | 0.62 | 2.7 |
| CC94693 | | 16.1 | 86.6 | <0.002 | 0.02 | 1.20 | 12.1 | 1 | 2.4 | 150.0 | 0.88 | 0.07 | 14.45 | 0.430 | 0.68 | 3.1 |
| CC94694 | | 15.4 | 62.9 | <0.002 | 0.02 | 0.98 | 9.9 | 1 | 2.1 | 132.0 | 0.90 | 0.09 | 11.85 | 0.431 | 0.45 | 2.5 |
| CC94695 | | 25.3 | 74.4 | <0.002 | 0.01 | 1.07 | 11.7 | 1 | 2.9 | 145.5 | 0.92 | <0.05 | 13.05 | 0.449 | 0.59 | 3.0 |
| CC94696 | | 18.0 | 67.4 | <0.002 | 0.03 | 1.02 | 10.3 | 1 | 2.0 | 139.0 | 0.81 | <0.05 | 11.20 | 0.406 | 0.54 | 2.4 |
| CC94697 | | 12.1 | 64.5 | <0.002 | 0.01 | 1.05 | 10.1 | 1 | 1.9 | 134.5 | 0.88 | 0.05 | 12.65 | 0.430 | 0.51 | 2.9 |
| CC94698 | | 14.3 | 83.4 | <0.002 | 0.02 | 1.19 | 12.7 | 1 | 2.4 | 162.0 | 0.96 | <0.05 | 12.95 | 0.461 | 0.59 | 3.3 |
| CC94699 | | 17.9 | 72.7 | <0.002 | 0.02 | 1.18 | 10.3 | 1 | 2.1 | 127.5 | 0.81 | <0.05 | 10.10 | 0.401 | 0.59 | 2.5 |
| CC94700 | | 16.6 | 73.1 | <0.002 | 0.02 | 1.27 | 12.5 | 1 | 2.5 | 131.0 | 0.79 | 0.06 | 13.60 | 0.385 | 0.88 | 3.1 |
| CC94701 | | 15.3 | 75.9 | <0.002 | 0.03 | 1.02 | 10.9 | 1 | 3.0 | 114.0 | 0.98 | 0.05 | 11.70 | 0.443 | 0.64 | 2.5 |
| CC94702 | | 16.2 | 92.7 | <0.002 | 0.01 | 1.04 | 11.0 | 1 | 4.4 | 108.5 | 0.91 | <0.05 | 12.60 | 0.422 | 0.80 | 2.6 |
| CC94703 | | 13.5 | 83.7 | <0.002 | 0.02 | 1.07 | 10.5 | 1 | 4.8 | 114.5 | 1.06 | 0.05 | 11.90 | 0.474 | 0.80 | 2.5 |
| CC94704 | | 13.5 | 69.1 | <0.002 | 0.02 | 1.02 | 10.0 | 1 | 2.8 | 128.0 | 0.85 | <0.05 | 10.05 | 0.412 | 0.59 | 2.4 |
| CC94705 | | 15.5 | 79.1 | <0.002 | 0.02 | 0.94 | 10.1 | 1 | 3.8 | 128.0 | 0.81 | 0.05 | 10.85 | 0.394 | 0.62 | 2.3 |
| CC94706 | | 15.1 | 89.0 | <0.002 | 0.02 | 1.04 | 10.6 | 1 | 8.3 | 130.0 | 0.93 | <0.05 | 12.65 | 0.385 | 1.41 | 2.2 |
| CC94707 | | 43.4 | 104.5 | <0.002 | 0.02 | 0.89 | 8.8 | 1 | 18.0 | 82.6 | 0.87 | <0.05 | 14.50 | 0.372 | 1.59 | 2.3 |
| CC94708 | | 14.5 | 72.7 | <0.002 | 0.02 | 0.98 | 10.1 | 1 | 3.7 | 126.0 | 0.81 | 0.06 | 10.00 | 0.392 | 0.70 | 2.2 |
| CC94709 | | 13.1 | 59.5 | <0.002 | 0.02 | 0.92 | 10.0 | 1 | 3.5 | 133.5 | 0.79 | <0.05 | 9.37 | 0.394 | 0.51 | 2.2 |
| CC94710 | | 12.3 | 62.8 | <0.002 | 0.02 | 0.86 | 9.6 | 1 | 2.0 | 125.0 | 0.87 | <0.05 | 9.48 | 0.398 | 0.49 | 2.1 |
| CC94711 | | 13.4 | 92.2 | <0.002 | 0.01 | 0.79 | 11.5 | 1 | 3.6 | 126.5 | 1.00 | <0.05 | 12.20 | 0.450 | 0.83 | 2.5 |
| CC94712 | | 13.5 | 119.5 | <0.002 | 0.01 | 0.87 | 12.5 | 1 | 8.3 | 130.0 | 1.07 | 0.06 | 14.50 | 0.465 | 1.06 | 2.7 |
| CC94713 | | 13.7 | 79.3 | <0.002 | 0.02 | 0.87 | 10.9 | 1 | 4.2 | 143.0 | 0.85 | <0.05 | 10.25 | 0.425 | 0.72 | 2.5 |
| CC94714 | | 10.8 | 56.0 | <0.002 | 0.02 | 1.66 | 8.1 | 1 | 1.6 | 126.5 | 0.75 | <0.05 | 9.37 | 0.388 | 0.38 | 2.1 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94675 | | 113 | 1.2 | 14.8 | 95 | 78.6 |
| CC94676 | | 117 | 1.5 | 13.3 | 73 | 85.2 |
| CC94677 | | 103 | 1.3 | 14.5 | 76 | 75.1 |
| CC94678 | | 109 | 1.4 | 13.2 | 83 | 81.4 |
| CC94679 | | 103 | 1.3 | 14.6 | 77 | 70.2 |
| CC94680 | | 89 | 1.1 | 12.0 | 68 | 58.4 |
| CC94681 | | 100 | 1.3 | 12.6 | 71 | 77.3 |
| CC94682 | | 98 | 1.4 | 15.8 | 74 | 81.5 |
| CC94683 | | 111 | 1.4 | 13.9 | 66 | 74.0 |
| CC94684 | | 77 | 1.0 | 12.2 | 67 | 59.8 |
| CC94685 | | 94 | 1.1 | 16.8 | 85 | 60.7 |
| CC94686 | | 105 | 1.3 | 10.9 | 67 | 72.6 |
| CC94687 | | 102 | 1.4 | 14.1 | 89 | 79.2 |
| CC94688 | | 100 | 1.2 | 20.1 | 89 | 66.3 |
| CC94689 | | 100 | 1.3 | 13.6 | 87 | 70.6 |
| CC94690 | | 117 | 1.4 | 13.0 | 85 | 78.1 |
| CC94691 | | 119 | 1.7 | 17.1 | 113 | 96.8 |
| CC94692 | | 118 | 1.5 | 12.6 | 74 | 78.1 |
| CC94693 | | 111 | 1.9 | 16.8 | 100 | 88.5 |
| CC94694 | | 107 | 1.4 | 12.1 | 75 | 79.0 |
| CC94695 | | 112 | 1.6 | 16.2 | 76 | 87.5 |
| CC94696 | | 107 | 2.1 | 11.1 | 73 | 75.1 |
| CC94697 | | 98 | 1.4 | 15.7 | 77 | 82.2 |
| CC94698 | | 125 | 1.5 | 16.5 | 88 | 94.3 |
| CC94699 | | 105 | 1.3 | 12.7 | 82 | 80.7 |
| CC94700 | | 112 | 2.2 | 16.1 | 109 | 75.1 |
| CC94701 | | 110 | 2.0 | 10.7 | 72 | 80.7 |
| CC94702 | | 103 | 2.5 | 11.1 | 100 | 72.2 |
| CC94703 | | 104 | 3.1 | 11.6 | 91 | 75.3 |
| CC94704 | | 111 | 1.9 | 11.1 | 93 | 66.7 |
| CC94705 | | 106 | 1.6 | 11.4 | 106 | 67.5 |
| CC94706 | | 99 | 7.1 | 13.2 | 109 | 63.3 |
| CC94707 | | 81 | 8.1 | 9.6 | 195 | 57.0 |
| CC94708 | | 104 | 3.1 | 11.4 | 69 | 66.9 |
| CC94709 | | 105 | 2.0 | 11.1 | 66 | 66.2 |
| CC94710 | | 102 | 2.2 | 10.6 | 61 | 67.1 |
| CC94711 | | 107 | 1.9 | 11.8 | 89 | 75.0 |
| CC94712 | | 108 | 2.3 | 13.4 | 115 | 76.9 |
| CC94713 | | 114 | 2.4 | 12.5 | 98 | 68.6 |
| CC94714 | | 87 | 1.4 | 10.8 | 73 | 63.5 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94715 | | 0.40 | 0.014 | 0.34 | 6.20 | 51.1 | 810 | 1.63 | 0.46 | 0.47 | 0.51 | 73.2 | 7.9 | 67 | 13.55 | 24.3 |
| CC94716 | | 0.46 | 0.006 | 0.15 | 7.41 | 46.9 | 860 | 1.87 | 0.59 | 0.32 | 0.41 | 88.0 | 7.3 | 74 | 18.00 | 22.0 |
| CC94717 | | 0.40 | 0.003 | 0.22 | 6.28 | 79.4 | 810 | 1.30 | 0.96 | 0.46 | 0.36 | 67.3 | 5.1 | 71 | 9.36 | 21.9 |
| CC94718 | | 0.44 | 0.006 | 0.16 | 6.09 | 176.5 | 820 | 1.30 | 3.18 | 0.47 | 0.30 | 67.7 | 6.5 | 67 | 5.97 | 37.9 |
| CC94719 | | 0.46 | 0.004 | 0.08 | 5.76 | 18.8 | 800 | 1.41 | 0.25 | 0.71 | 0.28 | 88.0 | 9.2 | 71 | 5.60 | 24.0 |
| CC94720 | | 0.35 | 0.004 | 0.06 | 5.47 | 26.7 | 710 | 1.18 | 0.26 | 0.57 | 0.20 | 67.0 | 10.0 | 65 | 5.68 | 21.0 |
| CC94721 | | 0.45 | 0.007 | 0.05 | 5.30 | 17.1 | 730 | 1.29 | 0.22 | 0.68 | 0.17 | 75.5 | 8.2 | 61 | 3.48 | 20.4 |
| CC94722 | | 0.49 | 0.009 | 0.07 | 6.06 | 25.9 | 840 | 1.42 | 0.28 | 0.67 | 0.23 | 77.0 | 9.8 | 73 | 4.83 | 23.3 |
| CC94723 | | 0.52 | 0.004 | 0.12 | 6.65 | 12.4 | 870 | 1.50 | 0.26 | 0.64 | 0.23 | 84.8 | 8.4 | 74 | 4.96 | 29.2 |
| CC94724 | | 0.45 | 0.006 | 0.14 | 5.94 | 17.9 | 780 | 1.35 | 0.27 | 0.61 | 0.23 | 81.5 | 9.3 | 68 | 5.09 | 31.2 |
| CC94725 | | 0.44 | 0.005 | 0.07 | 4.95 | 13.8 | 670 | 0.96 | 0.21 | 0.65 | 0.13 | 68.4 | 7.6 | 62 | 3.27 | 17.0 |
| CC94726 | | 0.42 | 0.005 | 0.08 | 5.72 | 13.6 | 780 | 1.21 | 0.22 | 0.71 | 0.15 | 73.2 | 7.4 | 71 | 4.02 | 20.4 |
| CC94727 | | 0.53 | 0.004 | 0.07 | 6.39 | 15.5 | 840 | 1.48 | 0.25 | 0.71 | 0.24 | 102.5 | 12.4 | 76 | 5.22 | 27.6 |
| CC94728 | | 0.49 | 0.005 | 0.02 | 5.21 | 16.0 | 780 | 1.03 | 0.19 | 0.72 | 0.19 | 67.5 | 9.7 | 66 | 3.01 | 17.8 |
| CC94729 | | 0.48 | 0.004 | 0.13 | 6.09 | 17.4 | 840 | 1.33 | 0.24 | 0.61 | 0.20 | 82.6 | 8.6 | 64 | 5.91 | 23.2 |
| CC94730 | | 0.38 | 0.005 | 0.08 | 4.87 | 14.6 | 700 | 0.98 | 0.18 | 0.71 | 0.10 | 66.0 | 7.2 | 60 | 2.54 | 17.0 |
| CC94731 | | 0.40 | 0.008 | 0.05 | 5.27 | 15.1 | 810 | 1.17 | 0.20 | 0.77 | 0.15 | 79.9 | 7.6 | 64 | 3.37 | 22.3 |
| CC94732 | | 0.37 | 0.005 | 0.08 | 4.57 | 12.7 | 680 | 1.03 | 0.14 | 0.75 | 0.17 | 60.8 | 9.6 | 53 | 2.37 | 18.9 |
| CC94733 | | 0.43 | 0.006 | 0.14 | 5.04 | 21.5 | 760 | 1.11 | 0.21 | 0.74 | 0.33 | 67.7 | 8.9 | 59 | 5.03 | 17.7 |
| CC94734 | | 0.42 | 0.004 | 0.06 | 6.10 | 29.2 | 790 | 1.47 | 0.29 | 0.54 | 0.20 | 76.9 | 7.9 | 71 | 6.45 | 17.2 |
| CC94735 | | 0.43 | 0.006 | 0.06 | 5.73 | 39.6 | 780 | 1.48 | 0.47 | 0.56 | 0.30 | 64.9 | 9.1 | 67 | 21.1 | 16.6 |
| CC94736 | | 0.40 | 0.005 | 0.08 | 6.30 | 42.8 | 790 | 1.52 | 1.65 | 0.55 | 0.33 | 65.4 | 11.7 | 70 | 19.35 | 23.1 |
| CC94737 | | 0.48 | 0.005 | 0.11 | 7.59 | 41.8 | 900 | 2.85 | 2.25 | 0.48 | 0.47 | 98.4 | 9.4 | 73 | 28.1 | 48.3 |
| CC94738 | | 0.45 | <0.001 | 0.05 | 6.25 | 20.9 | 850 | 1.81 | 0.88 | 0.54 | 0.47 | 78.6 | 9.2 | 65 | 21.5 | 32.0 |
| CC94739 | | 0.38 | 0.001 | 0.04 | 7.24 | 19.5 | 890 | 2.18 | 0.30 | 0.43 | 0.24 | 89.1 | 10.9 | 78 | 19.10 | 30.1 |
| CC94740 | | 0.38 | 0.001 | 0.06 | 5.85 | 16.9 | 840 | 1.39 | 0.34 | 0.69 | 0.21 | 67.9 | 8.6 | 70 | 5.57 | 19.4 |
| CC94741 | | 0.45 | 0.002 | 0.05 | 5.76 | 18.7 | 850 | 1.34 | 0.61 | 0.72 | 0.16 | 68.4 | 8.4 | 71 | 5.81 | 22.8 |
| CC94742 | | 0.48 | 0.005 | 0.07 | 5.77 | 19.6 | 830 | 1.37 | 0.92 | 0.78 | 0.22 | 73.2 | 8.1 | 71 | 5.66 | 29.4 |
| CC94743 | | 0.41 | <0.001 | 0.05 | 4.57 | 14.9 | 660 | 0.97 | 0.19 | 0.70 | 0.20 | 57.2 | 7.3 | 54 | 2.65 | 16.1 |
| CC94744 | | 0.41 | 0.001 | 0.04 | 5.38 | 20.4 | 790 | 1.25 | 0.31 | 0.64 | 0.24 | 62.4 | 7.8 | 68 | 6.25 | 17.4 |
| CC94745 | | 0.40 | 0.003 | 0.09 | 4.93 | 26.4 | 730 | 1.08 | 0.33 | 0.57 | 0.54 | 60.8 | 10.4 | 65 | 5.45 | 18.4 |
| CC94746 | | 0.43 | 0.001 | 0.04 | 5.28 | 25.1 | 770 | 1.15 | 0.45 | 0.64 | 0.88 | 72.0 | 8.6 | 68 | 3.57 | 21.0 |
| CC94747 | | 0.42 | 0.001 | 0.09 | 5.89 | 20.5 | 740 | 1.59 | 5.01 | 0.51 | 0.25 | 65.8 | 6.2 | 65 | 8.97 | 50.3 |
| CC94748 | | 0.49 | 0.001 | 0.04 | 6.43 | 28.1 | 860 | 1.37 | 0.73 | 0.58 | 0.22 | 81.9 | 7.6 | 72 | 6.62 | 23.5 |
| CC94749 | | 0.53 | 0.001 | 0.10 | 5.71 | 30.2 | 840 | 1.36 | 0.37 | 0.66 | 0.52 | 78.9 | 8.1 | 63 | 3.52 | 24.9 |
| CC94750 | | 0.45 | 0.003 | 0.11 | 6.29 | 57.9 | 900 | 1.43 | 0.70 | 0.62 | 0.38 | 82.4 | 6.8 | 70 | 4.23 | 30.7 |
| CC44552 | | 0.46 | 0.005 | 0.28 | 6.64 | 21.2 | 990 | 1.64 | 0.29 | 0.71 | 0.27 | 102.5 | 7.8 | 71 | 4.56 | 25.2 |
| CC44553 | | 0.46 | 0.002 | 0.42 | 5.69 | 27.8 | 850 | 1.28 | 0.24 | 0.69 | 0.35 | 82.9 | 8.3 | 63 | 3.96 | 24.5 |
| CC44554 | | 0.44 | 0.003 | 0.15 | 5.63 | 17.4 | 760 | 1.18 | 0.25 | 0.61 | 0.15 | 76.5 | 6.2 | 66 | 3.80 | 17.4 |
| CC44555 | | 0.53 | 0.001 | 0.07 | 6.86 | 12.3 | 910 | 1.57 | 0.25 | 0.44 | 0.17 | 88.6 | 6.6 | 71 | 4.62 | 23.2 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94715 | | 3.20 | 16.40 | 0.13 | 2.2 | 0.226 | 1.59 | 36.6 | 43.9 | 0.60 | 437 | 1.25 | 0.76 | 13.9 | 21.2 | 1100 |
| CC94716 | | 3.39 | 20.9 | 0.16 | 2.2 | 0.338 | 2.10 | 43.0 | 41.7 | 0.58 | 396 | 0.91 | 0.64 | 14.9 | 20.3 | 820 |
| CC94717 | | 2.97 | 17.45 | 0.12 | 2.3 | 0.387 | 1.70 | 34.1 | 31.1 | 0.54 | 271 | 1.31 | 0.74 | 13.7 | 15.7 | 1110 |
| CC94718 | | 3.28 | 15.35 | 0.13 | 2.1 | 0.881 | 1.72 | 33.8 | 25.5 | 0.59 | 342 | 1.10 | 0.71 | 11.2 | 17.4 | 560 |
| CC94719 | | 3.46 | 14.65 | 0.16 | 2.4 | 0.061 | 1.41 | 42.8 | 31.4 | 0.71 | 457 | 1.27 | 0.93 | 12.7 | 23.4 | 640 |
| CC94720 | | 3.38 | 13.80 | 0.13 | 2.1 | 0.060 | 1.23 | 32.7 | 29.4 | 0.64 | 511 | 1.12 | 0.87 | 11.0 | 20.8 | 770 |
| CC94721 | | 3.13 | 13.05 | 0.15 | 2.2 | 0.047 | 1.19 | 36.8 | 27.0 | 0.68 | 384 | 0.93 | 0.95 | 11.4 | 20.4 | 660 |
| CC94722 | | 3.76 | 15.80 | 0.15 | 2.2 | 0.228 | 1.41 | 36.9 | 31.5 | 0.80 | 453 | 1.41 | 0.97 | 12.9 | 23.6 | 940 |
| CC94723 | | 3.85 | 16.30 | 0.16 | 2.7 | 0.058 | 1.72 | 43.8 | 32.0 | 0.81 | 445 | 1.34 | 1.03 | 13.2 | 22.8 | 780 |
| CC94724 | | 3.50 | 15.30 | 0.17 | 2.4 | 0.063 | 1.44 | 42.5 | 31.3 | 0.73 | 444 | 1.86 | 0.97 | 12.2 | 25.1 | 700 |
| CC94725 | | 3.08 | 12.80 | 0.15 | 1.9 | 0.050 | 1.08 | 34.6 | 23.6 | 0.64 | 378 | 1.24 | 0.88 | 11.0 | 17.6 | 860 |
| CC94726 | | 3.38 | 14.80 | 0.16 | 2.0 | 0.052 | 1.23 | 36.9 | 26.9 | 0.73 | 341 | 1.43 | 0.98 | 11.9 | 21.0 | 940 |
| CC94727 | | 3.83 | 16.15 | 0.16 | 2.6 | 0.068 | 1.67 | 51.8 | 34.6 | 0.77 | 581 | 1.21 | 1.01 | 13.6 | 23.8 | 840 |
| CC94728 | | 3.26 | 13.10 | 0.15 | 1.9 | 0.045 | 1.13 | 33.6 | 25.7 | 0.68 | 464 | 1.00 | 0.98 | 11.4 | 20.3 | 760 |
| CC94729 | | 3.24 | 16.15 | 0.16 | 2.2 | 0.059 | 1.63 | 41.8 | 31.7 | 0.70 | 329 | 1.09 | 0.98 | 12.1 | 22.1 | 820 |
| CC94730 | | 2.83 | 12.35 | 0.14 | 1.9 | 0.038 | 1.07 | 33.3 | 22.4 | 0.61 | 347 | 0.97 | 0.96 | 11.8 | 16.1 | 950 |
| CC94731 | | 3.02 | 13.60 | 0.14 | 2.0 | 0.048 | 1.23 | 39.8 | 26.5 | 0.66 | 342 | 1.10 | 0.98 | 12.0 | 19.4 | 800 |
| CC94732 | | 2.65 | 11.10 | 0.15 | 1.7 | 0.038 | 0.98 | 30.6 | 21.4 | 0.57 | 498 | 0.88 | 0.96 | 9.8 | 18.9 | 910 |
| CC94733 | | 2.95 | 12.65 | 0.16 | 2.0 | 0.041 | 1.17 | 33.7 | 28.8 | 0.65 | 458 | 1.03 | 0.94 | 11.2 | 20.5 | 860 |
| CC94734 | | 3.42 | 18.15 | 0.16 | 2.3 | 0.067 | 1.60 | 38.0 | 35.6 | 0.62 | 328 | 1.58 | 0.88 | 13.3 | 18.8 | 670 |
| CC94735 | | 3.58 | 15.55 | 0.14 | 1.8 | 0.060 | 1.35 | 33.4 | 44.3 | 0.64 | 497 | 1.16 | 0.81 | 12.4 | 22.0 | 590 |
| CC94736 | | 3.53 | 16.20 | 0.14 | 1.8 | 0.146 | 1.39 | 34.6 | 40.1 | 0.65 | 623 | 1.18 | 0.82 | 11.7 | 20.0 | 1080 |
| CC94737 | | 4.01 | 20.8 | 0.18 | 2.0 | 0.378 | 2.07 | 48.0 | 59.4 | 0.71 | 575 | 0.74 | 0.70 | 17.0 | 25.4 | 700 |
| CC94738 | | 3.36 | 17.50 | 0.12 | 1.9 | 0.151 | 1.60 | 40.1 | 43.8 | 0.61 | 446 | 1.01 | 0.76 | 12.9 | 26.9 | 700 |
| CC94739 | | 3.87 | 19.90 | 0.16 | 1.9 | 0.074 | 1.89 | 45.9 | 52.2 | 0.81 | 385 | 0.92 | 0.84 | 14.8 | 26.2 | 640 |
| CC94740 | | 3.32 | 15.00 | 0.15 | 1.9 | 0.074 | 1.29 | 34.7 | 32.2 | 0.73 | 385 | 1.12 | 0.98 | 12.3 | 20.5 | 820 |
| CC94741 | | 3.29 | 15.20 | 0.15 | 1.9 | 0.058 | 1.30 | 34.3 | 31.7 | 0.74 | 373 | 1.18 | 1.00 | 12.3 | 20.5 | 840 |
| CC94742 | | 3.26 | 15.40 | 0.14 | 1.9 | 0.083 | 1.32 | 36.0 | 28.5 | 0.71 | 373 | 1.13 | 1.06 | 12.4 | 19.5 | 840 |
| CC94743 | | 2.82 | 10.90 | 0.13 | 1.6 | 0.036 | 1.02 | 29.1 | 21.7 | 0.58 | 405 | 0.85 | 0.96 | 9.5 | 16.1 | 840 |
| CC94744 | | 3.11 | 14.45 | 0.13 | 1.9 | 0.086 | 1.24 | 31.7 | 33.2 | 0.65 | 362 | 0.98 | 0.90 | 12.2 | 17.8 | 890 |
| CC94745 | | 3.70 | 13.40 | 0.12 | 1.6 | 0.169 | 1.19 | 30.3 | 26.4 | 0.60 | 680 | 1.44 | 0.82 | 11.6 | 19.5 | 780 |
| CC94746 | | 3.71 | 13.95 | 0.13 | 2.0 | 0.401 | 1.24 | 35.2 | 27.4 | 0.63 | 415 | 1.05 | 0.82 | 11.7 | 20.2 | 640 |
| CC94747 | | 3.25 | 16.45 | 0.13 | 1.9 | 0.156 | 1.44 | 33.0 | 33.0 | 0.60 | 288 | 0.91 | 0.71 | 12.3 | 17.8 | 700 |
| CC94748 | | 3.03 | 16.70 | 0.15 | 2.1 | 0.129 | 1.55 | 42.0 | 32.3 | 0.62 | 315 | 1.00 | 0.86 | 13.1 | 20.3 | 670 |
| CC94749 | | 2.92 | 14.20 | 0.16 | 2.0 | 0.125 | 1.41 | 39.5 | 26.4 | 0.63 | 337 | 0.84 | 0.92 | 11.6 | 20.4 | 640 |
| CC94750 | | 2.86 | 16.30 | 0.13 | 2.2 | 0.575 | 1.57 | 41.3 | 28.1 | 0.64 | 280 | 0.90 | 0.91 | 13.3 | 18.0 | 610 |
| CC44552 | | 3.57 | 17.60 | 0.17 | 2.7 | 0.073 | 1.82 | 50.9 | 31.6 | 0.76 | 347 | 1.26 | 0.96 | 13.6 | 21.2 | 750 |
| CC44553 | | 3.33 | 14.80 | 0.18 | 2.1 | 0.067 | 1.46 | 41.2 | 28.6 | 0.67 | 401 | 1.10 | 0.95 | 11.3 | 20.8 | 770 |
| CC44554 | | 3.20 | 14.95 | 0.13 | 2.2 | 0.053 | 1.38 | 39.9 | 29.0 | 0.64 | 290 | 1.12 | 0.85 | 12.0 | 17.2 | 830 |
| CC44555 | | 3.50 | 18.25 | 0.20 | 2.5 | 0.055 | 1.98 | 44.7 | 29.9 | 0.73 | 293 | 1.07 | 0.80 | 12.6 | 17.9 | 870 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94715 | | 24.9 | 98.0 | <0.002 | 0.02 | 0.91 | 10.6 | 1 | 4.4 | 113.0 | 0.82 | 0.05 | 9.96 | 0.393 | 0.74 | 2.3 |
| CC94716 | | 55.3 | 120.0 | <0.002 | 0.02 | 0.86 | 11.9 | 1 | 7.3 | 91.5 | 1.01 | 0.05 | 14.00 | 0.440 | 1.10 | 2.6 |
| CC94717 | | 45.2 | 95.0 | <0.002 | 0.04 | 1.31 | 10.6 | 1 | 8.8 | 119.0 | 0.79 | <0.05 | 8.43 | 0.396 | 0.91 | 2.2 |
| CC94718 | | 94.3 | 96.1 | <0.002 | 0.02 | 1.97 | 9.7 | 1 | 14.1 | 107.5 | 0.78 | 0.08 | 11.05 | 0.399 | 0.92 | 2.4 |
| CC94719 | | 14.8 | 72.7 | <0.002 | 0.03 | 1.14 | 10.6 | 1 | 2.2 | 139.5 | 0.86 | 0.05 | 12.25 | 0.429 | 0.56 | 2.8 |
| CC94720 | | 14.8 | 63.4 | <0.002 | 0.03 | 1.08 | 9.6 | 1 | 2.0 | 119.5 | 0.78 | 0.05 | 10.25 | 0.392 | 0.53 | 2.3 |
| CC94721 | | 13.7 | 57.7 | <0.002 | 0.02 | 1.08 | 9.9 | 1 | 1.8 | 134.5 | 0.80 | <0.05 | 11.15 | 0.395 | 0.47 | 2.5 |
| CC94722 | | 15.0 | 70.9 | <0.002 | 0.04 | 1.24 | 11.5 | 1 | 2.2 | 137.0 | 0.89 | <0.05 | 11.40 | 0.426 | 0.56 | 2.7 |
| CC94723 | | 16.0 | 82.1 | <0.002 | 0.04 | 1.08 | 11.6 | 1 | 2.5 | 145.0 | 0.95 | <0.05 | 14.55 | 0.457 | 0.56 | 3.2 |
| CC94724 | | 24.3 | 75.7 | <0.002 | 0.03 | 1.62 | 11.1 | <1 | 2.5 | 135.5 | 0.86 | 0.05 | 13.20 | 0.425 | 0.56 | 3.0 |
| CC94725 | | 14.7 | 56.3 | <0.002 | 0.03 | 1.07 | 9.6 | <1 | 1.8 | 125.5 | 0.75 | <0.05 | 9.88 | 0.404 | 0.45 | 2.3 |
| CC94726 | | 15.2 | 65.9 | <0.002 | 0.03 | 1.15 | 10.9 | 1 | 2.1 | 139.0 | 0.78 | 0.07 | 10.45 | 0.424 | 0.50 | 2.6 |
| CC94727 | | 18.2 | 83.7 | <0.002 | 0.03 | 1.19 | 11.4 | <1 | 2.8 | 148.5 | 0.94 | 0.05 | 14.45 | 0.479 | 0.58 | 3.1 |
| CC94728 | | 15.2 | 59.6 | <0.002 | 0.02 | 1.27 | 10.4 | 1 | 1.6 | 138.5 | 0.75 | <0.05 | 9.40 | 0.398 | 0.49 | 2.4 |
| CC94729 | | 21.1 | 85.7 | <0.002 | 0.02 | 1.07 | 11.2 | 1 | 2.9 | 140.5 | 0.85 | <0.05 | 12.50 | 0.403 | 0.69 | 2.8 |
| CC94730 | | 14.4 | 54.2 | <0.002 | 0.02 | 1.01 | 9.8 | 1 | 1.6 | 136.0 | 0.81 | <0.05 | 9.13 | 0.409 | 0.42 | 2.4 |
| CC94731 | | 14.1 | 65.0 | <0.002 | 0.02 | 1.12 | 10.6 | <1 | 1.8 | 143.0 | 0.82 | 0.05 | 10.60 | 0.416 | 0.56 | 2.6 |
| CC94732 | | 13.4 | 53.1 | <0.002 | 0.02 | 1.02 | 8.7 | <1 | 1.3 | 138.5 | 0.67 | <0.05 | 8.05 | 0.354 | 0.36 | 1.9 |
| CC94733 | | 14.8 | 61.6 | <0.002 | 0.02 | 1.03 | 9.3 | <1 | 1.8 | 137.0 | 0.74 | <0.05 | 9.45 | 0.382 | 0.47 | 2.3 |
| CC94734 | | 21.7 | 95.4 | <0.002 | 0.02 | 1.32 | 11.6 | <1 | 3.3 | 141.0 | 0.86 | <0.05 | 11.05 | 0.410 | 0.76 | 2.7 |
| CC94735 | | 14.0 | 94.3 | <0.002 | 0.02 | 1.02 | 10.1 | <1 | 4.4 | 117.5 | 0.82 | 0.05 | 9.54 | 0.419 | 1.24 | 2.2 |
| CC94736 | | 30.1 | 86.1 | <0.002 | 0.02 | 1.02 | 10.7 | <1 | 8.4 | 115.5 | 0.76 | 0.05 | 10.50 | 0.378 | 0.84 | 2.4 |
| CC94737 | | 24.0 | 134.5 | <0.002 | 0.02 | 0.83 | 12.0 | 1 | 31.3 | 90.5 | 1.13 | <0.05 | 16.25 | 0.456 | 1.65 | 2.8 |
| CC94738 | | 23.6 | 95.0 | <0.002 | 0.02 | 0.87 | 10.4 | 1 | 13.0 | 110.0 | 0.91 | <0.05 | 12.95 | 0.408 | 1.15 | 2.5 |
| CC94739 | | 14.0 | 129.5 | <0.002 | 0.02 | 0.82 | 13.7 | <1 | 5.2 | 103.5 | 1.00 | 0.05 | 15.15 | 0.469 | 1.42 | 2.6 |
| CC94740 | | 16.6 | 73.8 | <0.002 | 0.02 | 1.18 | 11.6 | <1 | 3.0 | 137.0 | 0.84 | <0.05 | 9.43 | 0.418 | 0.73 | 2.5 |
| CC94741 | | 15.7 | 74.1 | <0.002 | 0.02 | 1.16 | 11.4 | 1 | 4.1 | 139.5 | 0.82 | <0.05 | 10.25 | 0.411 | 0.64 | 2.5 |
| CC94742 | | 14.0 | 72.0 | <0.002 | 0.02 | 1.06 | 11.1 | <1 | 4.3 | 146.0 | 0.80 | <0.05 | 10.05 | 0.426 | 0.66 | 2.5 |
| CC94743 | | 11.7 | 51.6 | <0.002 | 0.02 | 0.87 | 8.3 | 1 | 1.5 | 134.0 | 0.66 | <0.05 | 7.81 | 0.355 | 0.40 | 1.9 |
| CC94744 | | 13.1 | 78.9 | <0.002 | 0.02 | 0.96 | 10.9 | 1 | 2.6 | 125.0 | 0.81 | <0.05 | 9.11 | 0.403 | 0.63 | 2.3 |
| CC94745 | | 16.3 | 65.4 | <0.002 | 0.03 | 1.19 | 9.2 | <1 | 2.4 | 116.0 | 0.74 | <0.05 | 8.48 | 0.397 | 0.57 | 2.0 |
| CC94746 | | 21.2 | 64.9 | <0.002 | 0.02 | 1.38 | 10.0 | <1 | 2.9 | 119.5 | 0.77 | <0.05 | 10.20 | 0.417 | 0.61 | 2.3 |
| CC94747 | | 16.6 | 82.1 | <0.002 | 0.02 | 0.98 | 10.1 | <1 | 15.9 | 101.0 | 0.81 | <0.05 | 10.45 | 0.388 | 0.82 | 2.3 |
| CC94748 | | 18.1 | 84.3 | <0.002 | 0.01 | 1.53 | 11.5 | <1 | 3.4 | 128.0 | 0.90 | <0.05 | 11.55 | 0.422 | 0.82 | 2.6 |
| CC94749 | | 18.2 | 72.5 | <0.002 | 0.01 | 1.20 | 10.9 | 1 | 3.7 | 134.0 | 0.81 | <0.05 | 10.45 | 0.376 | 0.63 | 2.4 |
| CC94750 | | 40.4 | 82.8 | <0.002 | 0.02 | 1.43 | 11.9 | <1 | 6.6 | 138.5 | 0.92 | <0.05 | 11.25 | 0.424 | 0.83 | 2.7 |
| CC44552 | | 22.4 | 95.3 | <0.002 | 0.02 | 1.43 | 12.5 | <1 | 3.5 | 149.5 | 0.95 | <0.05 | 14.95 | 0.460 | 0.71 | 3.3 |
| CC44553 | | 27.3 | 74.3 | <0.002 | 0.02 | 1.39 | 10.7 | 1 | 3.4 | 140.0 | 0.76 | <0.05 | 12.25 | 0.395 | 0.64 | 2.8 |
| CC44554 | | 19.8 | 74.9 | <0.002 | 0.02 | 1.26 | 10.5 | <1 | 2.7 | 125.0 | 0.81 | <0.05 | 12.05 | 0.409 | 0.63 | 2.6 |
| CC44555 | | 16.0 | 104.0 | <0.002 | 0.03 | 1.08 | 12.2 | <1 | 2.8 | 117.0 | 0.88 | <0.05 | 14.55 | 0.430 | 0.72 | 3.1 |

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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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC94715 | | 100 | 1.9 | 11.1 | 137 | 83.9 |
| CC94716 | | 101 | 3.0 | 9.9 | 160 | 80.9 |
| CC94717 | | 113 | 2.7 | 9.2 | 71 | 85.6 |
| CC94718 | | 103 | 3.3 | 9.9 | 91 | 75.4 |
| CC94719 | | 111 | 1.3 | 12.4 | 85 | 84.3 |
| CC94720 | | 104 | 1.3 | 10.0 | 77 | 68.5 |
| CC94721 | | 100 | 1.3 | 12.5 | 67 | 73.7 |
| CC94722 | | 121 | 1.4 | 12.5 | 83 | 77.3 |
| CC94723 | | 117 | 1.5 | 14.2 | 89 | 91.1 |
| CC94724 | | 107 | 1.3 | 13.8 | 84 | 84.5 |
| CC94725 | | 102 | 1.9 | 11.3 | 64 | 68.5 |
| CC94726 | | 118 | 1.2 | 12.6 | 74 | 72.9 |
| CC94727 | | 113 | 1.4 | 14.2 | 90 | 91.2 |
| CC94728 | | 109 | 1.2 | 12.7 | 73 | 67.4 |
| CC94729 | | 103 | 1.3 | 12.7 | 78 | 79.2 |
| CC94730 | | 100 | 1.2 | 12.5 | 56 | 69.2 |
| CC94731 | | 107 | 1.4 | 14.5 | 68 | 73.6 |
| CC94732 | | 87 | 1.0 | 11.8 | 57 | 61.0 |
| CC94733 | | 98 | 1.2 | 12.7 | 71 | 68.6 |
| CC94734 | | 120 | 1.6 | 11.9 | 64 | 81.2 |
| CC94735 | | 111 | 3.5 | 10.3 | 95 | 64.5 |
| CC94736 | | 109 | 7.0 | 11.3 | 124 | 64.6 |
| CC94737 | | 95 | 8.9 | 14.7 | 167 | 71.6 |
| CC94738 | | 96 | 4.0 | 13.4 | 149 | 64.5 |
| CC94739 | | 112 | 3.4 | 13.2 | 90 | 72.9 |
| CC94740 | | 119 | 2.4 | 12.8 | 81 | 69.8 |
| CC94741 | | 115 | 2.0 | 13.1 | 76 | 69.3 |
| CC94742 | | 113 | 2.7 | 13.0 | 80 | 71.8 |
| CC94743 | | 90 | 1.2 | 10.6 | 64 | 58.9 |
| CC94744 | | 110 | 1.8 | 11.6 | 73 | 68.3 |
| CC94745 | | 110 | 2.6 | 10.2 | 88 | 63.4 |
| CC94746 | | 112 | 2.0 | 11.8 | 100 | 73.8 |
| CC94747 | | 100 | 10.7 | 10.6 | 81 | 72.5 |
| CC94748 | | 110 | 2.0 | 12.2 | 78 | 76.1 |
| CC94749 | | 103 | 2.3 | 15.3 | 78 | 70.4 |
| CC94750 | | 111 | 4.0 | 14.0 | 67 | 78.5 |
| CC44552 | | 121 | 1.5 | 15.3 | 88 | 99.8 |
| CC44553 | | 106 | 1.4 | 13.2 | 83 | 75.8 |
| CC44554 | | 108 | 1.3 | 11.8 | 65 | 80.0 |
| CC44555 | | 110 | 1.4 | 11.8 | 74 | 90.4 |

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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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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC44556 | | 0.43 | 0.002 | 0.08 | 5.79 | 14.6 | 770 | 1.19 | 0.24 | 0.57 | 0.20 | 73.7 | 7.4 | 68 | 4.24 | 20.8 |
| CC44557 | | 0.33 | <0.001 | 0.18 | 6.40 | 15.5 | 840 | 1.50 | 0.26 | 0.47 | 0.21 | 73.6 | 7.2 | 75 | 5.81 | 22.6 |
| CC44558 | | 0.51 | 0.005 | 0.14 | 5.63 | 18.9 | 870 | 1.41 | 0.21 | 0.77 | 0.47 | 104.0 | 9.2 | 59 | 3.73 | 30.3 |
| CC44559 | | 0.45 | 0.001 | 0.09 | 6.17 | 16.8 | 850 | 1.37 | 0.24 | 0.77 | 0.31 | 80.7 | 9.5 | 73 | 4.38 | 24.8 |
| CC44560 | | 0.46 | 0.001 | 0.06 | 6.25 | 19.3 | 760 | 1.47 | 0.25 | 0.54 | 0.17 | 102.5 | 9.2 | 65 | 5.02 | 26.7 |
| CC44561 | | 0.48 | 0.004 | 0.03 | 5.89 | 18.2 | 790 | 1.36 | 0.22 | 0.69 | 0.21 | 74.5 | 11.1 | 61 | 4.70 | 20.8 |
| CC44562 | | 0.47 | 0.001 | 0.06 | 5.80 | 20.8 | 760 | 1.26 | 0.25 | 0.60 | 0.22 | 66.8 | 8.8 | 64 | 4.14 | 19.8 |
| CC44563 | | 0.42 | 0.001 | 0.05 | 5.70 | 33.1 | 770 | 1.30 | 0.28 | 0.55 | 0.23 | 71.6 | 8.1 | 69 | 5.26 | 18.8 |
| CC44564 | | 0.37 | 0.001 | 0.15 | 6.03 | 30.4 | 780 | 1.43 | 0.30 | 0.52 | 0.25 | 83.7 | 10.3 | 67 | 8.06 | 22.3 |
| CC44565 | | 0.41 | 0.003 | 0.16 | 6.16 | 96.3 | 830 | 1.40 | 0.95 | 0.52 | 0.32 | 75.5 | 8.1 | 69 | 8.92 | 30.0 |
| CC44566 | | 0.41 | 0.002 | 0.44 | 5.71 | 65.7 | 770 | 1.40 | 0.36 | 0.63 | 0.41 | 72.0 | 10.7 | 68 | 6.34 | 23.4 |
| CC44567 | | 0.48 | 0.006 | 0.11 | 4.89 | 37.6 | 680 | 1.17 | 0.25 | 0.64 | 0.55 | 77.8 | 8.3 | 62 | 5.69 | 21.1 |
| CC44568 | | 0.51 | 0.014 | 0.13 | 6.34 | 28.1 | 920 | 1.51 | 0.33 | 0.72 | 0.28 | 71.0 | 11.0 | 76 | 9.47 | 33.9 |
| CC44569 | | 0.49 | <0.001 | 0.06 | 6.24 | 30.1 | 810 | 1.75 | 0.22 | 0.48 | 0.42 | 87.0 | 26.6 | 91 | 17.45 | 32.3 |
| CC44570 | | 0.39 | 0.002 | 0.03 | 5.50 | 20.2 | 780 | 1.46 | 0.21 | 0.59 | 0.22 | 70.2 | 12.0 | 64 | 7.17 | 24.3 |
| CC91221 | | 0.43 | 0.001 | 0.06 | 6.79 | 48.1 | 860 | 1.65 | 0.40 | 0.48 | 0.27 | 89.5 | 9.5 | 70 | 12.15 | 25.0 |
| CC91222 | | 0.36 | 0.001 | 0.23 | 6.59 | 66.0 | 800 | 1.48 | 0.69 | 0.45 | 0.27 | 74.1 | 6.5 | 79 | 7.45 | 19.8 |
| CC91223 | | 0.46 | 0.002 | 0.23 | 6.86 | 55.2 | 920 | 1.97 | 0.82 | 0.48 | 0.76 | 96.6 | 9.4 | 67 | 6.99 | 36.3 |
| CC91224 | | 0.49 | 0.004 | 0.12 | 5.14 | 21.8 | 800 | 1.40 | 0.25 | 0.69 | 0.37 | 77.9 | 7.8 | 52 | 3.45 | 30.1 |
| CC91225 | | 0.42 | 0.002 | 0.11 | 6.27 | 31.0 | 830 | 1.60 | 0.53 | 0.48 | 0.41 | 70.4 | 13.8 | 70 | 7.95 | 23.6 |
| CC91226 | | 0.43 | 0.001 | 0.15 | 8.31 | 32.0 | 930 | 2.46 | 0.54 | 0.31 | 0.74 | 105.0 | 11.6 | 77 | 10.30 | 37.3 |
| CC91227 | | 0.42 | 0.007 | 0.11 | 5.68 | 31.6 | 870 | 1.58 | 0.33 | 0.94 | 0.60 | 90.2 | 16.1 | 76 | 7.19 | 30.8 |
| CC91228 | | 0.41 | 0.002 | 0.06 | 5.71 | 17.4 | 860 | 1.69 | 0.39 | 0.85 | 0.38 | 83.4 | 16.0 | 67 | 8.80 | 23.8 |
| CC91229 | | 0.55 | 0.006 | 0.07 | 5.83 | 18.0 | 870 | 1.79 | 0.29 | 0.68 | 0.27 | 79.4 | 13.3 | 60 | 9.29 | 32.7 |
| CC91230 | | 0.46 | 0.004 | 0.08 | 5.05 | 17.4 | 790 | 1.21 | 0.25 | 0.66 | 0.14 | 67.6 | 9.4 | 61 | 3.86 | 24.8 |
| CC91231 | | 0.43 | 0.008 | 0.05 | 5.75 | 32.8 | 750 | 1.64 | 1.04 | 0.55 | 0.27 | 69.3 | 11.5 | 57 | 7.54 | 37.0 |
| CC91232 | | 0.47 | 0.003 | 0.32 | 5.26 | 46.3 | 710 | 1.36 | 0.68 | 0.60 | 0.30 | 63.2 | 10.2 | 61 | 6.30 | 40.8 |
| CC91233 | | 0.40 | 0.004 | 0.10 | 5.49 | 62.4 | 750 | 1.62 | 1.72 | 0.56 | 0.41 | 70.2 | 10.5 | 58 | 12.20 | 33.6 |
| CC91234 | | 0.42 | 0.004 | 0.16 | 5.93 | 55.9 | 710 | 2.03 | 2.49 | 0.49 | 0.53 | 66.0 | 11.9 | 68 | 20.2 | 38.3 |
| CC91235 | | 0.47 | 0.005 | 0.08 | 5.94 | 38.0 | 740 | 2.11 | 1.14 | 0.59 | 0.35 | 68.7 | 12.3 | 66 | 23.3 | 22.0 |
| CC91236 | | 0.50 | 0.010 | 0.10 | 5.75 | 24.0 | 740 | 1.80 | 2.27 | 0.63 | 0.34 | 80.5 | 9.9 | 70 | 8.83 | 26.2 |
| CC91237 | | 0.41 | 0.006 | 0.12 | 5.20 | 35.1 | 700 | 1.49 | 1.33 | 0.58 | 0.30 | 63.4 | 7.4 | 60 | 11.95 | 21.5 |
| CC91238 | | 0.44 | 0.004 | 0.06 | 5.55 | 21.9 | 750 | 1.38 | 0.97 | 0.63 | 0.26 | 59.3 | 9.7 | 66 | 11.50 | 21.5 |
| CC91239 | | 0.48 | 0.002 | 0.22 | 6.09 | 60.1 | 780 | 1.89 | 2.80 | 0.59 | 0.35 | 78.5 | 13.1 | 65 | 16.50 | 33.9 |
| CC91240 | | 0.43 | 0.002 | 0.06 | 6.08 | 20.6 | 800 | 1.69 | 1.21 | 0.63 | 0.24 | 71.8 | 11.2 | 67 | 12.15 | 28.4 |
| CC91241 | | 0.43 | 0.002 | 0.05 | 6.28 | 15.8 | 860 | 1.85 | 0.89 | 0.66 | 0.32 | 72.4 | 13.9 | 68 | 11.90 | 36.4 |
| CC91242 | | 0.46 | 0.009 | 0.04 | 5.18 | 19.6 | 770 | 1.40 | 0.42 | 0.76 | 0.34 | 85.8 | 11.9 | 57 | 6.33 | 25.4 |
| CC91243 | | 0.53 | 0.005 | 0.09 | 6.50 | 30.2 | 860 | 1.75 | 0.64 | 0.80 | 0.21 | 69.0 | 10.0 | 78 | 10.55 | 27.6 |
| CC91244 | | 0.53 | 0.007 | 0.20 | 5.24 | 39.6 | 790 | 1.44 | 0.91 | 0.74 | 0.99 | 73.1 | 6.1 | 61 | 9.31 | 27.9 |
| CC91245 | | 0.41 | 0.008 | 0.05 | 4.95 | 19.4 | 700 | 1.21 | 0.28 | 0.66 | 0.30 | 66.7 | 9.3 | 57 | 3.99 | 23.0 |

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

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# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC44556 | | 3.28 | 14.75 | 0.15 | 2.0 | 0.053 | 1.49 | 37.9 | 28.7 | 0.67 | 351 | 1.19 | 0.86 | 11.7 | 18.2 | 950 |
| CC44557 | | 3.39 | 17.85 | 0.17 | 2.3 | 0.067 | 1.69 | 37.5 | 28.0 | 0.65 | 329 | 1.62 | 0.86 | 11.6 | 18.4 | 1660 |
| CC44558 | | 3.27 | 14.20 | 0.16 | 2.4 | 0.068 | 1.45 | 50.6 | 29.6 | 0.67 | 411 | 1.17 | 1.08 | 11.8 | 23.6 | 790 |
| CC44559 | | 3.60 | 16.05 | 0.16 | 2.3 | 0.050 | 1.41 | 41.2 | 32.3 | 0.82 | 422 | 1.40 | 1.05 | 12.4 | 23.9 | 980 |
| CC44560 | | 3.58 | 15.90 | 0.18 | 2.3 | 0.075 | 1.53 | 51.4 | 42.3 | 0.75 | 396 | 1.09 | 0.99 | 12.3 | 22.7 | 580 |
| CC44561 | | 3.40 | 14.60 | 0.07 | 2.0 | 0.065 | 1.35 | 38.2 | 28.2 | 0.73 | 448 | 1.05 | 1.08 | 11.6 | 24.2 | 680 |
| CC44562 | | 3.34 | 13.65 | 0.06 | 2.0 | 0.048 | 1.33 | 33.6 | 26.8 | 0.69 | 411 | 1.11 | 0.99 | 11.2 | 21.0 | 680 |
| CC44563 | | 3.50 | 15.90 | 0.08 | 2.1 | 0.071 | 1.34 | 35.8 | 27.7 | 0.63 | 430 | 1.44 | 0.83 | 12.3 | 20.3 | 1060 |
| CC44564 | | 3.49 | 16.10 | 0.10 | 2.2 | 0.069 | 1.54 | 41.5 | 30.5 | 0.64 | 464 | 1.31 | 0.89 | 12.8 | 23.1 | 800 |
| CC44565 | | 3.37 | 16.45 | 0.09 | 2.1 | 0.317 | 1.60 | 38.2 | 30.0 | 0.63 | 367 | 1.17 | 0.87 | 12.4 | 19.7 | 750 |
| CC44566 | | 3.49 | 14.70 | 0.11 | 2.2 | 0.136 | 1.35 | 35.7 | 30.0 | 0.66 | 526 | 1.09 | 0.92 | 13.9 | 22.5 | 730 |
| CC44567 | | 3.10 | 13.40 | 0.08 | 2.2 | 0.082 | 1.16 | 38.3 | 29.6 | 0.59 | 430 | 1.03 | 0.83 | 12.5 | 20.9 | 810 |
| CC44568 | | 3.68 | 16.10 | 0.09 | 2.0 | 0.091 | 1.60 | 35.5 | 40.9 | 0.82 | 418 | 1.22 | 1.00 | 14.0 | 30.4 | 810 |
| CC44569 | | 4.53 | 15.90 | 0.08 | 1.5 | 0.057 | 1.54 | 42.8 | 52.6 | 0.75 | 896 | 0.84 | 0.68 | 20.9 | 51.4 | 870 |
| CC44570 | | 3.25 | 13.90 | 0.09 | 1.7 | 0.047 | 1.35 | 34.9 | 31.5 | 0.67 | 542 | 0.97 | 0.89 | 12.0 | 24.6 | 640 |
| CC91221 | | 3.53 | 18.20 | 0.11 | 2.3 | 0.068 | 1.65 | 45.0 | 41.5 | 0.72 | 346 | 1.11 | 0.80 | 13.6 | 27.7 | 650 |
| CC91222 | | 3.61 | 20.4 | 0.06 | 2.3 | 0.133 | 1.63 | 38.5 | 31.0 | 0.62 | 286 | 1.40 | 0.64 | 13.8 | 18.9 | 1180 |
| CC91223 | | 3.02 | 18.50 | 0.11 | 2.4 | 0.231 | 1.94 | 47.4 | 34.5 | 0.62 | 346 | 0.80 | 0.81 | 14.3 | 24.2 | 500 |
| CC91224 | | 2.77 | 12.60 | 0.11 | 2.1 | 0.098 | 1.29 | 38.8 | 26.3 | 0.59 | 351 | 0.79 | 0.96 | 11.3 | 22.7 | 540 |
| CC91225 | | 3.51 | 17.90 | 0.10 | 2.1 | 0.178 | 1.67 | 35.9 | 29.1 | 0.62 | 705 | 1.47 | 0.76 | 13.5 | 18.4 | 1030 |
| CC91226 | | 3.75 | 22.4 | 0.12 | 2.5 | 0.247 | 2.32 | 52.7 | 44.2 | 0.62 | 538 | 0.99 | 0.57 | 16.8 | 26.1 | 760 |
| CC91227 | | 3.63 | 14.00 | 0.12 | 2.4 | 0.110 | 1.37 | 43.6 | 34.0 | 0.92 | 1090 | 1.33 | 0.88 | 13.5 | 31.2 | 1120 |
| CC91228 | | 3.56 | 15.00 | 0.09 | 1.9 | 0.072 | 1.45 | 41.3 | 42.6 | 0.97 | 1000 | 1.10 | 0.82 | 13.9 | 30.5 | 1210 |
| CC91229 | | 3.24 | 14.20 | 0.09 | 1.6 | 0.053 | 1.44 | 41.2 | 39.6 | 0.80 | 521 | 0.82 | 0.90 | 11.7 | 30.5 | 740 |
| CC91230 | | 3.04 | 14.10 | 0.09 | 2.1 | 0.049 | 1.16 | 33.1 | 26.9 | 0.65 | 432 | 1.07 | 0.92 | 12.0 | 22.9 | 660 |
| CC91231 | | 3.19 | 14.00 | 0.11 | 1.7 | 0.073 | 1.32 | 34.6 | 34.5 | 0.62 | 551 | 0.85 | 0.88 | 10.6 | 27.2 | 760 |
| CC91232 | | 3.12 | 14.50 | 0.09 | 1.8 | 0.193 | 1.16 | 32.0 | 31.2 | 0.62 | 396 | 2.99 | 0.84 | 11.6 | 35.0 | 830 |
| CC91233 | | 3.24 | 14.20 | 0.09 | 1.8 | 0.181 | 1.34 | 35.1 | 35.1 | 0.60 | 512 | 0.92 | 0.83 | 11.5 | 21.8 | 720 |
| CC91234 | | 3.46 | 16.05 | 0.09 | 1.7 | 0.281 | 1.36 | 33.4 | 33.3 | 0.60 | 825 | 1.08 | 0.72 | 12.4 | 19.9 | 940 |
| CC91235 | | 3.34 | 16.80 | 0.07 | 1.8 | 0.113 | 1.44 | 33.0 | 40.3 | 0.66 | 737 | 0.96 | 0.85 | 12.1 | 23.1 | 710 |
| CC91236 | | 3.30 | 15.30 | 0.11 | 1.9 | 0.080 | 1.28 | 40.6 | 33.1 | 0.63 | 426 | 1.11 | 0.82 | 12.9 | 21.3 | 800 |
| CC91237 | | 3.09 | 15.10 | 0.10 | 1.8 | 0.086 | 1.19 | 32.1 | 33.9 | 0.58 | 408 | 1.18 | 0.79 | 11.2 | 19.5 | 790 |
| CC91238 | | 3.52 | 14.75 | 0.07 | 1.7 | 0.132 | 1.29 | 29.8 | 32.3 | 0.65 | 700 | 1.29 | 0.87 | 11.1 | 19.1 | 700 |
| CC91239 | | 3.41 | 17.10 | 0.10 | 1.7 | 0.188 | 1.53 | 39.8 | 41.8 | 0.66 | 771 | 0.92 | 0.83 | 13.7 | 23.8 | 740 |
| CC91240 | | 3.40 | 16.30 | 0.08 | 1.7 | 0.103 | 1.35 | 35.2 | 42.5 | 0.69 | 598 | 0.95 | 0.97 | 12.9 | 25.9 | 870 |
| CC91241 | | 3.55 | 15.80 | 0.09 | 1.8 | 0.142 | 1.46 | 35.3 | 51.4 | 0.82 | 736 | 0.93 | 0.90 | 11.0 | 28.1 | 790 |
| CC91242 | | 3.15 | 13.05 | 0.10 | 1.8 | 0.060 | 1.26 | 42.5 | 35.3 | 0.65 | 637 | 0.93 | 0.93 | 11.3 | 26.4 | 960 |
| CC91243 | | 3.83 | 17.80 | 0.10 | 2.7 | 0.118 | 1.40 | 34.5 | 40.5 | 0.87 | 413 | 1.43 | 1.06 | 13.2 | 27.5 | 840 |
| CC91244 | | 3.05 | 13.75 | 0.08 | 1.9 | 0.146 | 1.27 | 36.6 | 35.5 | 0.64 | 343 | 1.25 | 0.82 | 12.5 | 20.2 | 810 |
| CC91245 | | 3.04 | 12.20 | 0.08 | 1.9 | 0.059 | 1.07 | 33.5 | 29.8 | 0.67 | 479 | 0.90 | 0.86 | 10.6 | 24.1 | 760 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC44556 | | 15.1 | 76.4 | <0.002 | 0.03 | 1.09 | 10.5 | 1 | 2.3 | 122.0 | 0.83 | <0.05 | 11.10 | 0.399 | 0.62 | 2.6 |
| CC44557 | | 25.0 | 93.3 | <0.002 | 0.08 | 1.23 | 12.2 | 1 | 2.8 | 123.0 | 0.82 | 0.05 | 12.15 | 0.392 | 0.69 | 3.2 |
| CC44558 | | 23.2 | 73.8 | <0.002 | 0.02 | 1.58 | 10.8 | <1 | 2.5 | 153.5 | 0.80 | <0.05 | 14.60 | 0.412 | 0.48 | 3.4 |
| CC44559 | | 17.0 | 72.8 | <0.002 | 0.04 | 1.38 | 12.0 | 1 | 2.2 | 151.5 | 0.83 | <0.05 | 11.55 | 0.427 | 0.55 | 2.8 |
| CC44560 | | 18.4 | 79.9 | <0.002 | 0.03 | 1.33 | 11.1 | 1 | 3.5 | 134.5 | 0.84 | <0.05 | 14.00 | 0.401 | 0.58 | 2.8 |
| CC44561 | | 18.0 | 67.0 | <0.002 | 0.03 | 1.23 | 10.6 | 1 | 2.1 | 152.5 | 0.77 | 0.05 | 11.45 | 0.389 | 0.48 | 2.6 |
| CC44562 | | 18.2 | 66.4 | <0.002 | 0.03 | 1.22 | 10.0 | 1 | 1.9 | 130.5 | 0.78 | <0.05 | 10.70 | 0.394 | 0.49 | 2.3 |
| CC44563 | | 24.6 | 76.5 | <0.002 | 0.04 | 1.30 | 11.2 | <1 | 2.3 | 125.0 | 0.80 | 0.05 | 10.75 | 0.393 | 0.58 | 2.6 |
| CC44564 | | 19.3 | 82.8 | <0.002 | 0.03 | 1.19 | 10.6 | <1 | 2.8 | 121.5 | 0.86 | 0.05 | 12.60 | 0.410 | 0.62 | 2.7 |
| CC44565 | | 45.6 | 90.9 | <0.002 | 0.02 | 1.47 | 11.0 | 1 | 5.8 | 123.5 | 0.82 | <0.05 | 11.75 | 0.419 | 0.67 | 2.6 |
| CC44566 | | 22.0 | 72.9 | 0.002 | 0.02 | 1.16 | 10.7 | 1 | 3.2 | 131.0 | 0.87 | 0.05 | 10.45 | 0.438 | 0.63 | 2.4 |
| CC44567 | | 14.4 | 63.2 | <0.002 | 0.02 | 1.13 | 9.8 | <1 | 2.5 | 121.5 | 0.86 | <0.05 | 10.85 | 0.430 | 0.56 | 2.4 |
| CC44568 | | 16.4 | 83.5 | <0.002 | 0.02 | 1.14 | 12.1 | 1 | 2.7 | 148.5 | 0.85 | <0.05 | 10.30 | 0.444 | 0.68 | 2.6 |
| CC44569 | | 18.6 | 82.7 | <0.002 | 0.03 | 0.93 | 12.0 | 1 | 3.1 | 113.0 | 1.23 | 0.05 | 10.20 | 0.622 | 0.54 | 1.9 |
| CC44570 | | 15.5 | 69.3 | 0.002 | 0.02 | 1.34 | 10.3 | <1 | 2.2 | 127.5 | 0.76 | 0.05 | 10.50 | 0.391 | 0.53 | 2.3 |
| CC91221 | | 14.2 | 93.3 | <0.002 | 0.02 | 1.09 | 12.4 | 1 | 2.8 | 117.5 | 0.86 | 0.07 | 12.40 | 0.400 | 0.88 | 2.9 |
| CC91222 | | 26.5 | 91.8 | 0.002 | 0.04 | 1.23 | 12.7 | 1 | 4.0 | 107.5 | 0.87 | 0.05 | 10.05 | 0.418 | 0.85 | 2.6 |
| CC91223 | | 32.3 | 108.5 | <0.002 | 0.01 | 1.22 | 13.2 | <1 | 5.2 | 125.5 | 0.91 | <0.05 | 14.65 | 0.404 | 0.91 | 3.1 |
| CC91224 | | 12.6 | 62.8 | <0.002 | 0.01 | 1.02 | 10.5 | 1 | 2.1 | 140.5 | 0.76 | <0.05 | 10.25 | 0.377 | 0.45 | 2.6 |
| CC91225 | | 20.4 | 96.0 | <0.002 | 0.02 | 1.00 | 11.1 | 1 | 3.7 | 110.5 | 0.86 | <0.05 | 11.65 | 0.417 | 0.86 | 2.6 |
| CC91226 | | 23.3 | 128.0 | <0.002 | 0.02 | 0.97 | 13.7 | <1 | 4.7 | 90.5 | 1.14 | 0.06 | 17.70 | 0.452 | 1.15 | 3.0 |
| CC91227 | | 14.7 | 74.2 | <0.002 | 0.02 | 1.08 | 10.6 | 1 | 4.4 | 142.0 | 0.88 | <0.05 | 13.65 | 0.477 | 0.63 | 2.8 |
| CC91228 | | 14.9 | 81.7 | <0.002 | 0.02 | 0.91 | 10.7 | 1 | 4.3 | 128.0 | 0.90 | 0.05 | 12.00 | 0.453 | 0.63 | 2.3 |
| CC91229 | | 12.2 | 83.6 | <0.002 | 0.01 | 1.10 | 11.0 | 1 | 3.1 | 126.5 | 0.76 | <0.05 | 10.70 | 0.386 | 0.69 | 2.2 |
| CC91230 | | 14.3 | 65.3 | <0.002 | 0.01 | 1.22 | 10.8 | <1 | 2.0 | 135.0 | 0.77 | <0.05 | 10.30 | 0.392 | 0.51 | 2.4 |
| CC91231 | | 13.4 | 74.7 | <0.002 | 0.02 | 0.87 | 9.6 | 1 | 5.0 | 113.0 | 0.76 | <0.05 | 11.80 | 0.370 | 0.55 | 2.1 |
| CC91232 | | 37.4 | 66.1 | <0.002 | 0.02 | 2.70 | 10.5 | 1 | 3.5 | 124.5 | 0.73 | 0.05 | 9.84 | 0.372 | 0.55 | 2.2 |
| CC91233 | | 17.3 | 77.3 | <0.002 | 0.02 | 0.98 | 9.5 | <1 | 11.4 | 111.5 | 0.76 | <0.05 | 11.60 | 0.373 | 0.67 | 2.3 |
| CC91234 | | 18.9 | 88.0 | <0.002 | 0.02 | 0.96 | 9.9 | 1 | 20.7 | 103.0 | 0.80 | <0.05 | 11.65 | 0.367 | 1.11 | 2.3 |
| CC91235 | | 18.8 | 93.6 | <0.002 | 0.02 | 0.85 | 10.4 | <1 | 6.6 | 122.0 | 0.78 | <0.05 | 10.25 | 0.390 | 0.85 | 2.2 |
| CC91236 | | 15.0 | 78.7 | <0.002 | 0.02 | 1.14 | 10.8 | <1 | 6.3 | 123.0 | 0.82 | <0.05 | 11.60 | 0.424 | 0.93 | 3.5 |
| CC91237 | | 15.1 | 76.9 | <0.002 | 0.03 | 0.93 | 9.6 | 1 | 4.7 | 119.5 | 0.76 | 0.06 | 10.05 | 0.369 | 0.61 | 2.2 |
| CC91238 | | 15.8 | 74.1 | <0.002 | 0.02 | 0.90 | 9.2 | <1 | 7.4 | 120.5 | 0.72 | <0.05 | 9.12 | 0.400 | 0.60 | 2.0 |
| CC91239 | | 31.3 | 99.5 | <0.002 | 0.02 | 1.05 | 11.1 | 1 | 11.4 | 118.5 | 0.89 | <0.05 | 12.25 | 0.403 | 0.97 | 2.4 |
| CC91240 | | 14.8 | 85.0 | <0.002 | 0.02 | 0.93 | 10.9 | 1 | 8.0 | 127.5 | 0.83 | 0.05 | 11.60 | 0.397 | 0.81 | 2.3 |
| CC91241 | | 14.2 | 93.6 | <0.002 | 0.03 | 0.98 | 10.6 | 1 | 11.2 | 124.5 | 0.74 | <0.05 | 11.55 | 0.381 | 0.83 | 2.3 |
| CC91242 | | 14.4 | 73.8 | 0.002 | 0.01 | 1.06 | 9.8 | 1 | 2.9 | 136.5 | 0.78 | 0.05 | 12.40 | 0.388 | 0.53 | 2.2 |
| CC91243 | | 21.5 | 85.7 | <0.002 | 0.02 | 1.14 | 12.8 | 1 | 4.6 | 154.0 | 0.85 | 0.05 | 11.25 | 0.437 | 0.77 | 2.7 |
| CC91244 | | 14.9 | 76.2 | <0.002 | 0.03 | 0.77 | 9.4 | <1 | 3.6 | 125.0 | 0.80 | <0.05 | 11.10 | 0.415 | 0.65 | 2.3 |
| CC91245 | | 13.6 | 58.7 | <0.002 | 0.02 | 1.03 | 9.4 | 1 | 2.0 | 125.0 | 0.72 | <0.05 | 9.39 | 0.372 | 0.44 | 2.1 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC44556 | | 106 | 1.3 | 11.8 | 72 | 73.6 |
| CC44557 | | 116 | 1.4 | 11.1 | 76 | 85.9 |
| CC44558 | | 98 | 1.1 | 17.3 | 85 | 89.2 |
| CC44559 | | 117 | 1.3 | 14.3 | 84 | 80.4 |
| CC44560 | | 102 | 1.2 | 11.9 | 78 | 83.8 |
| CC44561 | | 102 | 1.1 | 12.9 | 71 | 73.7 |
| CC44562 | | 105 | 1.1 | 10.7 | 74 | 71.6 |
| CC44563 | | 116 | 1.3 | 11.8 | 74 | 74.4 |
| CC44564 | | 105 | 1.4 | 11.4 | 94 | 78.4 |
| CC44565 | | 112 | 2.5 | 10.7 | 84 | 75.0 |
| CC44566 | | 104 | 1.7 | 11.9 | 117 | 75.1 |
| CC44567 | | 94 | 2.1 | 12.9 | 98 | 73.2 |
| CC44568 | | 114 | 1.8 | 13.9 | 113 | 68.8 |
| CC44569 | | 97 | 1.4 | 12.0 | 138 | 52.7 |
| CC44570 | | 95 | 1.6 | 12.4 | 85 | 66.0 |
| CC91221 | | 107 | 1.7 | 13.3 | 106 | 83.2 |
| CC91222 | | 128 | 2.2 | 11.0 | 87 | 84.4 |
| CC91223 | | 99 | 2.8 | 14.7 | 140 | 84.8 |
| CC91224 | | 90 | 1.3 | 17.3 | 82 | 70.2 |
| CC91225 | | 110 | 2.3 | 10.7 | 103 | 77.0 |
| CC91226 | | 100 | 4.6 | 13.1 | 159 | 84.7 |
| CC91227 | | 121 | 2.6 | 15.8 | 201 | 79.4 |
| CC91228 | | 101 | 2.4 | 15.5 | 130 | 66.4 |
| CC91229 | | 95 | 1.9 | 14.1 | 90 | 64.8 |
| CC91230 | | 106 | 1.4 | 14.4 | 68 | 67.6 |
| CC91231 | | 86 | 3.3 | 11.1 | 96 | 58.3 |
| CC91232 | | 97 | 2.1 | 12.2 | 98 | 64.8 |
| CC91233 | | 90 | 4.1 | 12.1 | 117 | 61.1 |
| CC91234 | | 95 | 7.9 | 10.9 | 160 | 59.6 |
| CC91235 | | 101 | 6.5 | 10.5 | 110 | 63.8 |
| CC91236 | | 108 | 7.0 | 13.5 | 94 | 67.4 |
| CC91237 | | 101 | 6.1 | 10.2 | 87 | 61.2 |
| CC91238 | | 107 | 9.2 | 10.0 | 101 | 60.5 |
| CC91239 | | 95 | 13.4 | 13.4 | 123 | 60.5 |
| CC91240 | | 99 | 3.9 | 12.3 | 102 | 60.8 |
| CC91241 | | 96 | 3.5 | 13.1 | 116 | 62.5 |
| CC91242 | | 92 | 2.3 | 14.9 | 87 | 62.9 |
| CC91243 | | 127 | 2.4 | 13.9 | 103 | 77.1 |
| CC91244 | | 99 | 2.8 | 12.3 | 123 | 69.6 |
| CC91245 | | 93 | 1.4 | 12.2 | 81 | 65.9 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC91246 | | 0.42 | 0.007 | 0.07 | 4.81 | 21.8 | 720 | 1.20 | 0.30 | 0.71 | 0.47 | 66.3 | 11.5 | 56 | 3.55 | 23.3 |
| CC91247 | | 0.46 | 0.003 | 0.16 | 5.45 | 40.6 | 800 | 1.44 | 0.62 | 0.52 | 0.46 | 67.6 | 8.5 | 65 | 7.33 | 24.6 |
| CC91248 | | 0.44 | 0.017 | 0.08 | 4.89 | 24.2 | 670 | 1.29 | 0.54 | 0.49 | 0.37 | 67.2 | 6.8 | 61 | 6.16 | 18.6 |
| CC91249 | | 0.48 | 0.006 | 0.13 | 6.50 | 27.9 | 910 | 2.00 | 1.46 | 0.60 | 0.50 | 83.5 | 10.5 | 68 | 9.78 | 42.3 |
| CC91250 | | 0.45 | 0.012 | 0.07 | 5.89 | 18.8 | 850 | 1.62 | 0.37 | 0.63 | 0.29 | 75.8 | 12.1 | 65 | 9.12 | 29.5 |
| ZZ106175 | | 0.36 | 0.005 | 0.09 | 5.82 | 23.8 | 890 | 1.68 | 0.30 | 0.84 | 0.52 | 66.8 | 12.7 | 66 | 3.88 | 24.0 |
| ZZ106176 | | 0.53 | 0.004 | 0.09 | 5.97 | 30.4 | 820 | 1.88 | 0.70 | 0.58 | 0.78 | 89.7 | 10.5 | 64 | 6.30 | 30.1 |
| ZZ106177 | | 0.39 | 0.004 | 0.10 | 5.83 | 26.4 | 860 | 1.62 | 0.59 | 0.74 | 0.44 | 85.2 | 11.2 | 69 | 4.44 | 28.8 |
| ZZ106178 | | 0.39 | 0.003 | 0.21 | 4.65 | 60.3 | 680 | 1.19 | 3.52 | 0.63 | 0.52 | 66.9 | 6.7 | 57 | 2.97 | 20.1 |
| ZZ106179 | | 0.36 | 0.004 | 0.19 | 5.28 | 78.5 | 740 | 1.43 | 1.82 | 0.59 | 0.48 | 75.5 | 7.5 | 63 | 4.85 | 24.6 |
| ZZ106180 | | 0.38 | 0.005 | 0.09 | 5.35 | 18.1 | 890 | 1.59 | 0.28 | 0.69 | 0.17 | 94.9 | 12.2 | 60 | 4.72 | 28.7 |
| ZZ106181 | | 0.40 | 0.008 | 0.03 | 4.42 | 15.5 | 640 | 1.17 | 0.16 | 0.71 | 0.19 | 71.2 | 10.1 | 51 | 2.20 | 17.6 |
| ZZ106182 | | 0.41 | 0.010 | 0.12 | 6.22 | 20.0 | 830 | 1.66 | 0.25 | 0.71 | 0.21 | 87.9 | 11.1 | 68 | 5.13 | 23.1 |
| ZZ106183 | | 0.42 | 0.006 | 0.09 | 6.78 | 58.8 | 910 | 2.25 | 1.32 | 0.71 | 0.27 | 104.0 | 14.8 | 71 | 6.76 | 40.4 |
| ZZ106184 | | 0.44 | 0.003 | 0.07 | 6.39 | 28.9 | 770 | 1.77 | 0.34 | 0.54 | 0.24 | 91.6 | 9.0 | 65 | 9.82 | 26.5 |
| ZZ106185 | | 0.41 | 0.020 | 0.08 | 5.06 | 19.1 | 720 | 1.49 | 0.21 | 0.81 | 0.34 | 123.5 | 13.4 | 68 | 3.93 | 31.4 |
| ZZ106186 | | 0.40 | 0.002 | 0.09 | 5.70 | 28.3 | 800 | 1.42 | 0.29 | 0.65 | 0.24 | 83.1 | 14.5 | 68 | 4.96 | 17.0 |
| ZZ106187 | | 0.41 | 0.003 | 0.05 | 6.54 | 32.0 | 880 | 2.13 | 0.36 | 0.56 | 0.29 | 108.0 | 12.6 | 69 | 6.93 | 24.9 |
| ZZ106188 | | 0.39 | 0.001 | 0.07 | 6.18 | 37.8 | 790 | 1.47 | 0.36 | 0.49 | 0.07 | 90.0 | 4.7 | 70 | 6.53 | 10.9 |
| ZZ106189 | | 0.40 | 0.005 | 0.08 | 6.58 | 31.2 | 900 | 1.77 | 2.03 | 0.49 | 0.26 | 85.8 | 10.9 | 74 | 6.60 | 20.1 |
| ZZ106190 | | 0.42 | 0.002 | 0.10 | 7.93 | 40.2 | 910 | 2.24 | 2.21 | 0.51 | 0.32 | 115.0 | 16.2 | 77 | 7.23 | 50.4 |
| ZZ106191 | | 0.37 | 0.003 | 0.14 | 6.28 | 22.4 | 770 | 1.58 | 1.19 | 0.56 | 0.15 | 77.6 | 11.4 | 70 | 7.36 | 21.9 |
| ZZ106192 | | 0.40 | 0.001 | 0.16 | 5.53 | 23.6 | 750 | 1.42 | 1.30 | 0.61 | 0.25 | 82.9 | 9.9 | 61 | 5.89 | 28.7 |
| ZZ106193 | | 0.41 | 0.010 | 0.13 | 5.78 | 14.3 | 870 | 1.62 | 0.25 | 0.77 | 0.20 | 92.3 | 13.6 | 61 | 4.99 | 37.9 |
| ZZ106194 | | 0.50 | 0.003 | 0.29 | 5.17 | 36.3 | 730 | 1.55 | 0.38 | 0.65 | 0.35 | 85.0 | 11.6 | 62 | 10.45 | 21.4 |
| ZZ106195 | | 0.44 | 0.005 | 0.12 | 5.38 | 29.2 | 740 | 1.35 | 0.53 | 0.64 | 0.38 | 85.0 | 10.1 | 63 | 6.84 | 25.2 |
| ZZ106196 | | 0.40 | 0.007 | 0.09 | 5.34 | 28.9 | 760 | 1.28 | 0.47 | 0.65 | 0.45 | 77.4 | 8.1 | 65 | 6.22 | 20.8 |
| ZZ106197 | | 0.40 | 0.005 | 0.15 | 5.48 | 25.4 | 760 | 1.25 | 0.37 | 0.73 | 0.38 | 77.8 | 9.3 | 65 | 5.12 | 22.8 |
| ZZ106198 | | 0.44 | 0.010 | 0.25 | 5.74 | 24.8 | 890 | 1.33 | 0.42 | 0.80 | 0.88 | 84.4 | 10.7 | 69 | 4.96 | 28.6 |
| ZZ106199 | | 0.43 | 0.005 | 0.17 | 5.24 | 39.3 | 730 | 1.24 | 0.47 | 0.74 | 0.63 | 93.4 | 7.8 | 71 | 4.20 | 23.8 |
| ZZ106200 | | 0.36 | 0.002 | 0.23 | 6.28 | 37.2 | 850 | 1.54 | 0.69 | 0.76 | 0.79 | 68.2 | 8.3 | 74 | 5.32 | 28.6 |
| ZZ106201 | | 0.44 | 0.004 | 0.47 | 6.82 | 69.1 | 940 | 1.96 | 0.93 | 0.85 | 2.36 | 103.5 | 14.2 | 74 | 9.72 | 40.9 |
| ZZ106202 | | 0.39 | 0.002 | 0.08 | 5.24 | 18.6 | 710 | 1.31 | 0.34 | 0.60 | 0.31 | 59.4 | 9.5 | 63 | 4.19 | 17.7 |
| ZZ106203 | | 0.42 | 0.004 | 0.18 | 6.17 | 30.9 | 810 | 1.52 | 0.43 | 0.72 | 0.53 | 73.1 | 13.0 | 67 | 8.73 | 26.1 |
| ZZ106204 | | 0.39 | 0.005 | 0.06 | 5.55 | 25.6 | 710 | 1.31 | 0.33 | 0.60 | 0.56 | 72.0 | 12.4 | 61 | 3.94 | 22.4 |
| ZZ106205 | | 0.37 | 0.006 | 0.13 | 5.53 | 28.9 | 770 | 1.38 | 0.36 | 0.71 | 0.49 | 77.7 | 11.7 | 62 | 4.35 | 23.6 |
| ZZ106206 | | 0.42 | 0.002 | 0.09 | 5.48 | 20.2 | 790 | 1.34 | 0.45 | 0.71 | 0.56 | 80.0 | 11.2 | 67 | 5.29 | 19.8 |
| ZZ106207 | | 0.45 | 0.005 | 0.18 | 5.72 | 28.1 | 810 | 1.50 | 0.67 | 0.73 | 0.49 | 72.5 | 11.8 | 63 | 5.05 | 38.6 |
| ZZ106208 | | 0.42 | 0.002 | 0.10 | 5.18 | 19.7 | 760 | 1.31 | 1.08 | 0.60 | 0.32 | 61.1 | 6.8 | 62 | 5.46 | 24.5 |
| ZZ106209 | | 0.44 | 0.005 | 0.11 | 4.60 | 18.4 | 690 | 1.21 | 0.29 | 0.76 | 0.31 | 71.6 | 9.4 | 53 | 2.58 | 30.7 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC91246 | | 2.95 | 11.30 | 0.10 | 1.7 | 0.091 | 1.13 | 33.6 | 26.4 | 0.60 | 700 | 0.89 | 0.88 | 10.9 | 22.7 | 780 |
| CC91247 | | 3.19 | 15.35 | 0.12 | 2.1 | 0.136 | 1.38 | 33.9 | 28.9 | 0.61 | 420 | 1.91 | 0.80 | 12.2 | 21.2 | 840 |
| CC91248 | | 3.36 | 14.00 | 0.14 | 2.1 | 0.082 | 1.20 | 34.1 | 28.5 | 0.56 | 299 | 1.19 | 0.72 | 11.7 | 18.5 | 710 |
| CC91249 | | 3.37 | 17.20 | 0.18 | 2.3 | 0.159 | 1.73 | 42.5 | 39.0 | 0.72 | 422 | 1.07 | 0.88 | 13.6 | 27.3 | 610 |
| CC91250 | | 3.32 | 14.85 | 0.14 | 2.1 | 0.057 | 1.32 | 38.3 | 37.0 | 0.69 | 489 | 1.04 | 0.91 | 11.8 | 28.4 | 700 |
| ZZ106175 | | 3.17 | 14.20 | 0.15 | 2.0 | 0.052 | 1.28 | 34.3 | 27.8 | 0.73 | 545 | 1.11 | 1.15 | 10.8 | 23.4 | 1010 |
| ZZ106176 | | 3.06 | 15.95 | 0.15 | 2.3 | 0.078 | 1.45 | 45.6 | 32.6 | 0.64 | 377 | 1.10 | 0.86 | 12.5 | 25.1 | 650 |
| ZZ106177 | | 3.17 | 15.30 | 0.15 | 2.4 | 0.062 | 1.40 | 43.2 | 29.9 | 0.72 | 481 | 1.35 | 0.98 | 12.7 | 25.3 | 820 |
| ZZ106178 | | 2.86 | 12.30 | 0.15 | 2.2 | 0.206 | 1.08 | 33.9 | 21.4 | 0.55 | 340 | 1.19 | 0.85 | 12.2 | 17.7 | 880 |
| ZZ106179 | | 2.96 | 15.50 | 0.14 | 2.3 | 0.668 | 1.34 | 38.0 | 24.7 | 0.57 | 344 | 1.44 | 0.80 | 12.7 | 20.5 | 730 |
| ZZ106180 | | 2.90 | 14.35 | 0.17 | 2.1 | 0.055 | 1.30 | 46.5 | 29.4 | 0.62 | 448 | 1.04 | 0.92 | 11.9 | 23.9 | 670 |
| ZZ106181 | | 2.78 | 10.70 | 0.14 | 2.0 | 0.038 | 1.01 | 35.4 | 22.4 | 0.58 | 507 | 0.79 | 0.90 | 10.3 | 21.9 | 770 |
| ZZ106182 | | 3.34 | 17.10 | 0.18 | 2.6 | 0.067 | 1.51 | 44.9 | 33.3 | 0.74 | 479 | 1.27 | 1.02 | 13.9 | 23.2 | 890 |
| ZZ106183 | | 3.70 | 18.30 | 0.17 | 2.6 | 0.175 | 1.77 | 51.7 | 37.6 | 0.77 | 446 | 1.25 | 1.06 | 14.0 | 32.8 | 680 |
| ZZ106184 | | 3.39 | 16.70 | 0.14 | 2.6 | 0.059 | 1.68 | 46.9 | 39.4 | 0.70 | 359 | 1.07 | 0.97 | 13.1 | 27.4 | 600 |
| ZZ106185 | | 3.18 | 12.95 | 0.16 | 2.8 | 0.054 | 1.24 | 61.2 | 26.5 | 0.62 | 720 | 1.07 | 0.94 | 13.7 | 29.1 | 990 |
| ZZ106186 | | 3.23 | 15.60 | 0.14 | 2.4 | 0.050 | 1.40 | 41.1 | 30.5 | 0.65 | 615 | 1.38 | 0.93 | 12.6 | 19.9 | 820 |
| ZZ106187 | | 3.41 | 17.85 | 0.18 | 2.7 | 0.070 | 1.89 | 53.8 | 41.2 | 0.73 | 513 | 1.24 | 0.90 | 13.6 | 25.3 | 700 |
| ZZ106188 | | 2.90 | 19.60 | 0.14 | 2.5 | 0.088 | 1.70 | 45.6 | 29.8 | 0.57 | 227 | 1.31 | 0.77 | 15.6 | 14.4 | 670 |
| ZZ106189 | | 3.31 | 18.90 | 0.15 | 2.5 | 0.076 | 1.75 | 43.4 | 35.8 | 0.65 | 490 | 1.44 | 0.80 | 15.7 | 18.8 | 780 |
| ZZ106190 | | 3.88 | 20.2 | 0.18 | 2.8 | 0.105 | 2.18 | 54.7 | 38.0 | 0.68 | 602 | 1.47 | 0.83 | 15.0 | 25.4 | 730 |
| ZZ106191 | | 3.08 | 18.05 | 0.15 | 2.3 | 0.065 | 1.49 | 40.5 | 29.7 | 0.59 | 572 | 1.51 | 0.84 | 13.7 | 15.2 | 1140 |
| ZZ106192 | | 3.04 | 14.45 | 0.15 | 2.2 | 0.053 | 1.41 | 40.8 | 29.2 | 0.59 | 515 | 1.13 | 0.85 | 12.4 | 20.7 | 730 |
| ZZ106193 | | 3.10 | 15.20 | 0.15 | 2.2 | 0.050 | 1.42 | 45.1 | 32.2 | 0.71 | 521 | 1.15 | 1.01 | 12.2 | 32.8 | 650 |
| ZZ106194 | | 3.00 | 13.80 | 0.15 | 2.1 | 0.069 | 1.22 | 43.3 | 40.0 | 0.61 | 662 | 0.94 | 0.88 | 11.8 | 22.0 | 830 |
| ZZ106195 | | 3.14 | 14.40 | 0.17 | 2.2 | 0.067 | 1.26 | 42.7 | 29.7 | 0.62 | 441 | 1.10 | 0.92 | 12.5 | 20.5 | 840 |
| ZZ106196 | | 3.04 | 14.65 | 0.14 | 2.1 | 0.075 | 1.24 | 38.7 | 29.3 | 0.60 | 373 | 1.06 | 0.95 | 12.7 | 18.7 | 770 |
| ZZ106197 | | 3.06 | 13.55 | 0.15 | 2.3 | 0.077 | 1.22 | 39.5 | 26.2 | 0.67 | 401 | 1.09 | 1.00 | 11.6 | 20.0 | 870 |
| ZZ106198 | | 3.33 | 14.40 | 0.14 | 2.4 | 0.067 | 1.30 | 40.9 | 29.2 | 0.73 | 483 | 1.02 | 1.08 | 13.1 | 27.1 | 780 |
| ZZ106199 | | 3.26 | 14.05 | 0.15 | 2.5 | 0.075 | 1.17 | 46.1 | 24.2 | 0.66 | 358 | 1.28 | 0.92 | 12.7 | 22.2 | 900 |
| ZZ106200 | | 3.43 | 16.00 | 0.14 | 2.1 | 0.089 | 1.45 | 33.7 | 28.1 | 0.79 | 357 | 1.26 | 1.05 | 12.0 | 24.2 | 800 |
| ZZ106201 | | 3.70 | 18.45 | 0.15 | 2.6 | 0.123 | 1.81 | 53.1 | 37.0 | 0.71 | 630 | 1.18 | 0.97 | 14.8 | 35.9 | 760 |
| ZZ106202 | | 3.13 | 14.25 | 0.13 | 1.9 | 0.047 | 1.13 | 30.6 | 25.9 | 0.60 | 487 | 1.40 | 0.86 | 11.5 | 19.6 | 860 |
| ZZ106203 | | 3.47 | 15.85 | 0.15 | 2.2 | 0.094 | 1.47 | 36.4 | 31.3 | 0.77 | 583 | 1.26 | 0.98 | 11.8 | 27.0 | 930 |
| ZZ106204 | | 3.35 | 13.20 | 0.13 | 1.9 | 0.079 | 1.16 | 36.3 | 28.1 | 0.62 | 597 | 1.15 | 0.86 | 11.2 | 21.2 | 850 |
| ZZ106205 | | 3.10 | 13.35 | 0.12 | 2.0 | 0.078 | 1.23 | 38.6 | 27.1 | 0.66 | 584 | 1.15 | 0.93 | 11.8 | 22.2 | 860 |
| ZZ106206 | | 3.23 | 14.60 | 0.13 | 2.1 | 0.086 | 1.31 | 40.1 | 31.4 | 0.67 | 476 | 1.25 | 0.91 | 13.2 | 22.2 | 760 |
| ZZ106207 | | 3.22 | 13.15 | 0.13 | 1.8 | 0.108 | 1.35 | 34.9 | 33.0 | 0.71 | 617 | 0.97 | 0.95 | 12.5 | 26.5 | 800 |
| ZZ106208 | | 2.91 | 13.35 | 0.12 | 1.7 | 0.107 | 1.27 | 30.9 | 27.3 | 0.61 | 371 | 0.97 | 0.83 | 12.4 | 17.8 | 690 |
| ZZ106209 | | 2.72 | 10.55 | 0.13 | 1.6 | 0.051 | 1.04 | 36.3 | 20.8 | 0.60 | 510 | 0.74 | 0.97 | 11.3 | 23.6 | 840 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC91246 | | 12.8 | 58.8 | <0.002 | 0.02 | 1.06 | 8.7 | 1 | 2.1 | 128.0 | 0.75 | 0.05 | 9.79 | 0.385 | 0.42 | 2.1 |
| CC91247 | | 18.4 | 81.5 | <0.002 | 0.03 | 1.54 | 10.4 | 1 | 3.6 | 112.0 | 0.84 | <0.05 | 10.30 | 0.396 | 0.68 | 2.4 |
| CC91248 | | 16.7 | 64.5 | <0.002 | 0.03 | 1.21 | 9.9 | 1 | 2.8 | 102.0 | 0.80 | <0.05 | 10.75 | 0.380 | 0.57 | 2.4 |
| CC91249 | | 22.9 | 96.3 | <0.002 | 0.02 | 1.17 | 12.1 | 1 | 6.7 | 128.5 | 0.98 | <0.05 | 12.30 | 0.441 | 0.89 | 2.7 |
| CC91250 | | 15.2 | 69.7 | 0.002 | 0.02 | 1.29 | 11.5 | 2 | 2.4 | 132.0 | 0.89 | 0.05 | 11.25 | 0.386 | 0.61 | 2.5 |
| ZZ106175 | | 14.5 | 62.5 | <0.002 | 0.02 | 1.24 | 11.6 | 1 | 1.8 | 162.0 | 0.78 | 0.06 | 9.37 | 0.371 | 0.57 | 2.6 |
| ZZ106176 | | 14.7 | 77.3 | <0.002 | 0.02 | 1.16 | 11.7 | 1 | 3.4 | 120.5 | 0.85 | <0.05 | 12.95 | 0.390 | 0.90 | 2.8 |
| ZZ106177 | | 14.6 | 73.2 | <0.002 | 0.02 | 1.36 | 12.1 | <1 | 2.7 | 143.0 | 0.84 | <0.05 | 12.05 | 0.428 | 0.74 | 2.8 |
| ZZ106178 | | 27.0 | 55.5 | <0.002 | 0.03 | 1.51 | 9.2 | 1 | 3.9 | 119.0 | 1.29 | <0.05 | 9.63 | 0.401 | 0.50 | 2.3 |
| ZZ106179 | | 39.5 | 78.8 | <0.002 | 0.03 | 1.85 | 10.5 | 1 | 7.8 | 122.5 | 0.97 | <0.05 | 12.00 | 0.409 | 0.76 | 2.8 |
| ZZ106180 | | 13.4 | 67.5 | <0.002 | 0.02 | 1.27 | 11.8 | 1 | 2.0 | 137.5 | 0.84 | 0.05 | 12.50 | 0.371 | 0.64 | 3.0 |
| ZZ106181 | | 12.4 | 47.2 | <0.002 | 0.01 | 1.12 | 8.9 | 1 | 1.3 | 125.0 | 0.72 | <0.05 | 10.05 | 0.372 | 0.35 | 2.2 |
| ZZ106182 | | 15.6 | 82.8 | <0.002 | 0.02 | 1.19 | 12.7 | 1 | 2.4 | 148.5 | 0.97 | <0.05 | 13.00 | 0.454 | 0.62 | 3.1 |
| ZZ106183 | | 19.5 | 94.7 | <0.002 | 0.02 | 1.36 | 13.4 | 1 | 3.5 | 155.5 | 1.00 | <0.05 | 15.70 | 0.434 | 0.70 | 3.3 |
| ZZ106184 | | 16.0 | 87.9 | <0.002 | 0.03 | 1.08 | 11.4 | 1 | 2.7 | 131.0 | 0.95 | <0.05 | 15.10 | 0.433 | 0.65 | 2.9 |
| ZZ106185 | | 13.7 | 62.1 | <0.002 | 0.01 | 1.39 | 10.8 | 1 | 1.9 | 143.0 | 1.02 | <0.05 | 16.35 | 0.505 | 0.52 | 3.4 |
| ZZ106186 | | 16.8 | 74.1 | <0.002 | 0.02 | 1.17 | 11.1 | 1 | 3.0 | 136.0 | 0.86 | <0.05 | 11.80 | 0.413 | 0.73 | 2.7 |
| ZZ106187 | | 19.1 | 100.5 | <0.002 | 0.03 | 1.32 | 12.5 | 1 | 4.2 | 135.5 | 0.95 | <0.05 | 16.40 | 0.412 | 0.92 | 3.3 |
| ZZ106188 | | 25.4 | 96.0 | 0.002 | 0.02 | 1.15 | 12.0 | 1 | 7.4 | 131.5 | 1.04 | <0.05 | 11.65 | 0.445 | 0.86 | 2.6 |
| ZZ106189 | | 18.1 | 98.1 | 0.002 | 0.02 | 1.22 | 12.3 | 1 | 6.7 | 124.5 | 1.11 | 0.05 | 13.65 | 0.451 | 0.92 | 2.9 |
| ZZ106190 | | 17.0 | 110.5 | 0.002 | 0.02 | 1.37 | 13.5 | 1 | 7.1 | 134.0 | 1.04 | <0.05 | 17.50 | 0.473 | 1.03 | 3.3 |
| ZZ106191 | | 17.7 | 85.0 | <0.002 | 0.02 | 0.97 | 12.1 | 1 | 4.3 | 123.5 | 0.94 | <0.05 | 11.35 | 0.434 | 0.74 | 2.7 |
| ZZ106192 | | 14.3 | 74.7 | <0.002 | 0.02 | 1.01 | 10.0 | 1 | 3.5 | 124.5 | 0.85 | <0.05 | 12.50 | 0.401 | 0.63 | 2.7 |
| ZZ106193 | | 13.8 | 73.8 | <0.002 | 0.01 | 1.30 | 12.0 | 1 | 2.1 | 152.5 | 0.82 | <0.05 | 12.65 | 0.388 | 0.61 | 2.6 |
| ZZ106194 | | 15.3 | 64.6 | <0.002 | 0.03 | 1.00 | 10.4 | 1 | 2.2 | 126.5 | 0.81 | <0.05 | 11.40 | 0.411 | 0.54 | 2.6 |
| ZZ106195 | | 15.4 | 67.7 | <0.002 | 0.02 | 1.06 | 10.6 | 1 | 3.4 | 129.0 | 0.90 | 0.06 | 12.10 | 0.422 | 0.69 | 2.8 |
| ZZ106196 | | 15.8 | 65.3 | <0.002 | 0.01 | 1.10 | 10.5 | 1 | 3.1 | 131.5 | 0.87 | <0.05 | 11.15 | 0.425 | 0.68 | 2.7 |
| ZZ106197 | | 16.4 | 61.8 | <0.002 | 0.02 | 1.16 | 10.5 | 1 | 2.7 | 139.5 | 0.79 | 0.05 | 10.70 | 0.429 | 0.54 | 2.6 |
| ZZ106198 | | 16.2 | 66.7 | <0.002 | 0.01 | 1.24 | 12.0 | 2 | 2.2 | 155.5 | 0.88 | <0.05 | 11.55 | 0.463 | 0.59 | 3.1 |
| ZZ106199 | | 23.3 | 58.4 | <0.002 | 0.03 | 1.26 | 11.5 | 1 | 2.6 | 132.5 | 0.89 | <0.05 | 13.30 | 0.466 | 0.66 | 3.0 |
| ZZ106200 | | 15.3 | 71.7 | <0.002 | 0.04 | 1.24 | 12.1 | 2 | 3.1 | 150.0 | 0.81 | <0.05 | 9.96 | 0.413 | 0.75 | 2.7 |
| ZZ106201 | | 20.5 | 103.0 | <0.002 | 0.02 | 1.42 | 14.2 | 1 | 6.2 | 158.0 | 1.06 | <0.05 | 14.25 | 0.464 | 1.09 | 3.7 |
| ZZ106202 | | 14.3 | 58.4 | <0.002 | 0.03 | 1.18 | 10.1 | 1 | 1.9 | 118.5 | 0.76 | <0.05 | 9.04 | 0.379 | 0.51 | 2.2 |
| ZZ106203 | | 20.7 | 79.0 | <0.002 | 0.03 | 1.25 | 11.6 | 1 | 3.7 | 143.0 | 0.80 | 0.05 | 11.00 | 0.397 | 0.72 | 2.5 |
| ZZ106204 | | 17.6 | 61.5 | <0.002 | 0.02 | 1.26 | 10.5 | 1 | 2.8 | 119.5 | 0.75 | <0.05 | 11.50 | 0.375 | 0.48 | 2.4 |
| ZZ106205 | | 16.1 | 63.4 | <0.002 | 0.02 | 1.18 | 10.6 | 1 | 3.0 | 134.0 | 0.84 | <0.05 | 11.05 | 0.388 | 0.60 | 2.6 |
| ZZ106206 | | 14.8 | 72.7 | <0.002 | 0.02 | 1.14 | 11.1 | 1 | 3.2 | 129.5 | 0.93 | <0.05 | 11.30 | 0.448 | 0.63 | 2.5 |
| ZZ106207 | | 15.1 | 71.5 | <0.002 | 0.01 | 1.01 | 10.2 | 2 | 3.3 | 135.5 | 1.02 | <0.05 | 10.10 | 0.406 | 0.63 | 2.3 |
| ZZ106208 | | 14.0 | 74.8 | <0.002 | 0.02 | 0.86 | 9.3 | 1 | 4.8 | 115.5 | 0.70 | <0.05 | 8.50 | 0.395 | 0.59 | 1.9 |
| ZZ106209 | | 12.8 | 51.1 | <0.002 | 0.01 | 0.96 | 8.8 | 1 | 1.8 | 137.5 | 0.64 | <0.05 | 8.83 | 0.371 | 0.40 | 2.3 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC91246 | | 89 | 1.5 | 12.1 | 92 | 58.3 |
| CC91247 | | 112 | 2.2 | 10.4 | 105 | 69.4 |
| CC91248 | | 98 | 2.0 | 10.2 | 76 | 68.0 |
| CC91249 | | 108 | 3.6 | 12.6 | 130 | 75.5 |
| CC91250 | | 106 | 2.0 | 12.4 | 85 | 70.9 |
| ZZ106175 | | 106 | 1.4 | 14.7 | 94 | 69.3 |
| ZZ106176 | | 102 | 3.2 | 14.8 | 115 | 75.2 |
| ZZ106177 | | 113 | 2.4 | 15.5 | 103 | 79.2 |
| ZZ106178 | | 98 | 2.3 | 10.9 | 67 | 67.1 |
| ZZ106179 | | 105 | 3.5 | 12.0 | 85 | 79.6 |
| ZZ106180 | | 97 | 1.7 | 17.1 | 79 | 73.3 |
| ZZ106181 | | 86 | 1.3 | 12.1 | 75 | 61.8 |
| ZZ106182 | | 113 | 1.5 | 15.6 | 80 | 89.9 |
| ZZ106183 | | 112 | 1.7 | 15.0 | 95 | 89.1 |
| ZZ106184 | | 97 | 2.0 | 11.4 | 82 | 87.2 |
| ZZ106185 | | 97 | 2.1 | 17.4 | 93 | 92.2 |
| ZZ106186 | | 107 | 1.5 | 13.0 | 66 | 80.3 |
| ZZ106187 | | 103 | 1.7 | 14.1 | 85 | 91.2 |
| ZZ106188 | | 115 | 2.1 | 11.4 | 44 | 86.2 |
| ZZ106189 | | 113 | 2.8 | 12.1 | 66 | 86.6 |
| ZZ106190 | | 118 | 3.7 | 13.6 | 100 | 95.2 |
| ZZ106191 | | 116 | 2.6 | 11.6 | 59 | 76.3 |
| ZZ106192 | | 98 | 2.0 | 12.2 | 68 | 71.4 |
| ZZ106193 | | 105 | 1.3 | 14.5 | 86 | 72.6 |
| ZZ106194 | | 96 | 1.6 | 14.3 | 94 | 74.4 |
| ZZ106195 | | 100 | 2.1 | 12.5 | 90 | 75.0 |
| ZZ106196 | | 105 | 2.0 | 11.9 | 92 | 73.4 |
| ZZ106197 | | 104 | 1.7 | 12.6 | 92 | 72.4 |
| ZZ106198 | | 109 | 1.8 | 16.3 | 113 | 78.3 |
| ZZ106199 | | 112 | 2.6 | 14.5 | 83 | 84.7 |
| ZZ106200 | | 118 | 2.0 | 12.7 | 102 | 72.6 |
| ZZ106201 | | 117 | 3.7 | 16.4 | 224 | 88.8 |
| ZZ106202 | | 109 | 1.4 | 10.3 | 86 | 67.2 |
| ZZ106203 | | 106 | 1.9 | 12.1 | 126 | 71.9 |
| ZZ106204 | | 96 | 1.7 | 12.0 | 96 | 65.1 |
| ZZ106205 | | 99 | 2.2 | 12.6 | 104 | 66.4 |
| ZZ106206 | | 104 | 1.9 | 13.1 | 116 | 74.6 |
| ZZ106207 | | 100 | 2.2 | 13.9 | 134 | 67.9 |
| ZZ106208 | | 103 | 3.0 | 11.3 | 88 | 65.6 |
| ZZ106209 | | 87 | 2.2 | 14.6 | 83 | 65.7 |

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North Vancouver BC V7H 0A7
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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| ZZ106210 | | 0.39 | 0.002 | 0.13 | 4.80 | 14.7 | 710 | 1.08 | 0.14 | 0.76 | 0.20 | 61.8 | 9.8 | 49 | 1.80 | 24.2 |
| ZZ106211 | | 0.41 | 0.009 | 0.05 | 4.41 | 15.5 | 610 | 1.12 | 0.30 | 0.65 | 0.27 | 54.6 | 10.1 | 47 | 2.25 | 18.4 |
| ZZ106212 | | 0.44 | 0.003 | 0.12 | 5.64 | 12.7 | 1070 | 1.36 | 0.28 | 0.84 | 0.27 | 69.1 | 9.5 | 59 | 2.70 | 30.1 |
| ZZ106213 | | 0.48 | 0.004 | 0.07 | 5.80 | 15.9 | 890 | 1.69 | 0.92 | 0.63 | 0.32 | 75.8 | 9.9 | 61 | 6.31 | 42.5 |
| CC89064 | | 0.54 | 0.002 | 0.25 | 7.73 | 70.2 | 1030 | 2.00 | 1.00 | 0.46 | 0.83 | 124.0 | 9.4 | 76 | 8.32 | 40.1 |
| CC89065 | | 0.51 | 0.003 | 0.21 | 7.23 | 51.2 | 950 | 1.75 | 1.05 | 0.51 | 0.41 | 91.3 | 6.8 | 76 | 6.03 | 28.6 |
| CC89066 | | 0.44 | 0.002 | 0.11 | 7.62 | 14.2 | 970 | 1.78 | 0.30 | 0.52 | 0.23 | 78.8 | 9.2 | 82 | 10.35 | 20.9 |
| CC89067 | | 0.44 | 0.002 | 0.09 | 6.05 | 14.4 | 820 | 1.37 | 0.24 | 0.64 | 0.15 | 71.4 | 9.5 | 71 | 5.70 | 19.5 |
| CC89068 | | 0.42 | 0.001 | 0.18 | 5.80 | 16.9 | 750 | 1.84 | 0.26 | 0.64 | 0.23 | 68.9 | 13.8 | 67 | 10.10 | 22.5 |
| CC89069 | | 0.41 | 0.014 | 0.03 | 4.99 | 16.9 | 690 | 1.12 | 0.19 | 0.66 | 0.14 | 65.0 | 7.4 | 59 | 3.45 | 17.3 |
| CC89070 | | 0.39 | 0.008 | 0.06 | 5.53 | 17.7 | 750 | 1.26 | 0.21 | 0.70 | 0.18 | 69.7 | 10.7 | 67 | 3.96 | 18.6 |
| CC89071 | | 0.39 | 0.003 | 0.05 | 5.15 | 18.6 | 730 | 1.26 | 0.21 | 0.68 | 0.13 | 72.1 | 9.1 | 60 | 3.03 | 24.7 |
| CC89072 | | 0.48 | 0.007 | 0.08 | 5.51 | 18.7 | 820 | 1.29 | 0.22 | 0.68 | 0.22 | 77.3 | 10.0 | 63 | 3.66 | 28.5 |
| CC89073 | | 0.37 | 0.003 | 0.09 | 6.01 | 18.8 | 870 | 1.33 | 0.25 | 0.67 | 0.16 | 72.9 | 9.3 | 67 | 4.75 | 24.3 |
| CC89074 | | 0.43 | 0.010 | 0.37 | 5.60 | 25.7 | 770 | 1.57 | 0.21 | 0.58 | 0.32 | 94.8 | 10.8 | 61 | 6.70 | 24.1 |
| CC89075 | | 0.42 | 0.007 | 0.04 | 5.35 | 18.8 | 760 | 1.24 | 0.24 | 0.56 | 0.13 | 72.9 | 5.8 | 63 | 4.96 | 13.3 |
| CC89076 | | 0.41 | 0.012 | 0.07 | 6.42 | 26.3 | 880 | 1.71 | 0.27 | 0.56 | 0.20 | 85.4 | 9.8 | 68 | 5.45 | 22.1 |
| CC89077 | | 0.38 | 0.002 | 0.21 | 6.24 | 26.3 | 880 | 1.59 | 1.76 | 0.74 | 0.27 | 64.9 | 7.2 | 72 | 9.27 | 30.8 |
| CC89078 | | 0.52 | 0.007 | 0.06 | 6.28 | 23.0 | 850 | 1.72 | 1.12 | 0.67 | 0.25 | 70.6 | 9.7 | 69 | 13.05 | 26.0 |
| CC89079 | | 0.42 | 0.008 | 0.06 | 5.16 | 18.1 | 720 | 1.52 | 1.22 | 0.59 | 0.38 | 66.5 | 12.8 | 57 | 5.08 | 26.5 |
| CC89080 | | 0.37 | 0.007 | 0.16 | 5.46 | 13.3 | 770 | 1.32 | 0.49 | 0.53 | 0.25 | 63.1 | 21.3 | 62 | 6.05 | 17.8 |
| CC89081 | | 0.46 | 0.007 | 0.09 | 5.81 | 16.5 | 860 | 1.44 | 0.78 | 0.53 | 1.51 | 73.4 | 7.3 | 64 | 6.85 | 25.9 |
| CC89082 | | 0.48 | 0.003 | 0.07 | 6.17 | 21.9 | 820 | 1.85 | 1.53 | 0.55 | 0.19 | 66.5 | 8.9 | 67 | 8.18 | 41.2 |
| CC89083 | | 0.41 | 0.002 | 0.06 | 5.55 | 18.9 | 780 | 1.38 | 1.23 | 0.70 | 0.13 | 66.3 | 6.9 | 72 | 7.51 | 26.0 |
| CC89084 | | 0.39 | 0.004 | 0.05 | 4.81 | 16.6 | 710 | 1.12 | 0.22 | 0.82 | 0.18 | 66.8 | 9.6 | 58 | 2.38 | 20.4 |
| CC89085 | | 0.43 | 0.003 | 0.21 | 6.22 | 35.9 | 830 | 1.70 | 0.87 | 0.74 | 0.48 | 70.4 | 12.3 | 68 | 7.68 | 61.9 |
| CC89086 | | 0.37 | 0.002 | 0.07 | 4.80 | 20.6 | 720 | 1.20 | 0.30 | 0.65 | 0.64 | 59.9 | 21.7 | 62 | 3.65 | 20.4 |
| CC89087 | | 0.36 | 0.002 | 0.06 | 6.44 | 32.1 | 920 | 1.73 | 0.88 | 0.61 | 0.36 | 91.0 | 8.5 | 73 | 12.70 | 27.8 |
| CC89088 | | 0.42 | 0.003 | 0.06 | 6.05 | 33.6 | 850 | 1.46 | 0.79 | 0.60 | 0.32 | 66.4 | 8.8 | 71 | 9.09 | 26.0 |
| CC89089 | | 0.35 | 0.006 | 0.12 | 5.32 | 19.6 | 720 | 1.11 | 0.31 | 0.63 | 0.32 | 63.8 | 7.3 | 68 | 4.14 | 16.6 |
| CC89090 | | 0.44 | 0.004 | 0.13 | 5.99 | 21.2 | 830 | 1.42 | 0.45 | 0.64 | 0.50 | 66.6 | 11.5 | 72 | 4.68 | 22.1 |
| CC89091 | | 0.48 | 0.002 | 0.05 | 5.17 | 19.1 | 720 | 1.04 | 0.27 | 0.57 | 0.35 | 61.4 | 7.1 | 64 | 3.34 | 12.6 |
| CC89092 | | 0.44 | 0.003 | 0.10 | 6.74 | 25.7 | 860 | 1.94 | 0.71 | 0.54 | 0.48 | 83.1 | 14.9 | 72 | 20.6 | 32.7 |
| CC89093 | | 0.40 | 0.001 | 0.05 | 4.95 | 18.1 | 690 | 0.96 | 0.33 | 0.54 | 0.33 | 52.5 | 7.5 | 70 | 3.23 | 13.8 |
| CC89094 | | 0.40 | 0.001 | 0.03 | 4.42 | 16.2 | 610 | 0.98 | 0.20 | 0.58 | 0.24 | 55.1 | 6.5 | 52 | 2.09 | 12.0 |
| CC89095 | | 0.48 | 0.008 | 0.58 | 5.28 | 83.5 | 800 | 1.36 | 0.78 | 0.77 | 0.92 | 79.2 | 10.1 | 68 | 3.44 | 29.6 |
| CC89096 | | 0.47 | 0.012 | 0.42 | 5.49 | 120.5 | 780 | 1.23 | 0.99 | 0.66 | 0.85 | 69.2 | 9.0 | 68 | 4.12 | 33.0 |
| CC89097 | | 0.44 | 0.007 | 0.32 | 5.10 | 59.9 | 760 | 1.31 | 0.89 | 0.76 | 0.92 | 99.9 | 8.9 | 61 | 4.46 | 38.4 |
| CC89098 | | 0.45 | 0.006 | 0.10 | 5.22 | 29.7 | 720 | 1.25 | 0.52 | 0.62 | 0.38 | 77.9 | 9.1 | 62 | 4.40 | 22.8 |
| CC113902 | | 0.41 | 0.002 | 0.07 | 5.29 | 15.9 | 700 | 1.29 | 0.22 | 0.62 | 0.21 | 72.2 | 9.5 | 61 | 3.84 | 19.9 |

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| ZZ106210 | | 2.75 | 10.35 | 0.12 | 1.5 | 0.042 | 1.08 | 30.5 | 20.2 | 0.63 | 417 | 0.67 | 1.04 | 10.1 | 23.9 | 810 |
| ZZ106211 | | 2.51 | 9.31 | 0.13 | 1.4 | 0.053 | 0.94 | 27.4 | 20.1 | 0.53 | 617 | 0.73 | 0.85 | 9.8 | 21.4 | 910 |
| ZZ106212 | | 3.03 | 13.05 | 0.15 | 2.0 | 0.051 | 1.30 | 34.2 | 25.2 | 0.73 | 391 | 1.00 | 1.15 | 12.4 | 26.9 | 600 |
| ZZ106213 | | 3.18 | 13.55 | 0.12 | 1.8 | 0.103 | 1.35 | 36.5 | 33.1 | 0.68 | 451 | 0.98 | 0.91 | 11.7 | 27.8 | 760 |
| CC89064 | | 2.92 | 21.9 | 0.17 | 3.3 | 0.199 | 2.26 | 63.7 | 39.1 | 0.56 | 325 | 0.96 | 0.81 | 18.9 | 21.4 | 450 |
| CC89065 | | 3.00 | 18.70 | 0.15 | 2.7 | 0.115 | 1.89 | 46.5 | 31.2 | 0.61 | 266 | 1.09 | 0.84 | 15.8 | 20.6 | 610 |
| CC89066 | | 3.72 | 20.0 | 0.13 | 2.2 | 0.063 | 1.88 | 40.3 | 40.0 | 0.81 | 285 | 1.18 | 0.86 | 15.1 | 32.2 | 790 |
| CC89067 | | 3.36 | 15.30 | 0.14 | 2.2 | 0.048 | 1.46 | 35.6 | 33.7 | 0.74 | 394 | 1.11 | 0.96 | 13.4 | 23.1 | 770 |
| CC89068 | | 3.26 | 14.50 | 0.14 | 1.8 | 0.055 | 1.33 | 36.2 | 36.6 | 0.72 | 572 | 1.14 | 0.96 | 12.3 | 21.6 | 840 |
| CC89069 | | 2.93 | 12.65 | 0.13 | 1.8 | 0.045 | 1.13 | 33.0 | 23.3 | 0.60 | 356 | 1.04 | 0.95 | 12.3 | 18.4 | 820 |
| CC89070 | | 3.21 | 13.75 | 0.12 | 2.0 | 0.046 | 1.20 | 34.3 | 26.4 | 0.68 | 556 | 1.17 | 0.96 | 12.6 | 20.5 | 920 |
| CC89071 | | 2.95 | 12.70 | 0.13 | 1.9 | 0.049 | 1.14 | 36.1 | 24.0 | 0.65 | 399 | 0.98 | 0.99 | 11.9 | 21.1 | 730 |
| CC89072 | | 3.06 | 12.90 | 0.13 | 1.9 | 0.057 | 1.35 | 39.0 | 25.0 | 0.65 | 434 | 0.94 | 0.99 | 11.5 | 24.2 | 740 |
| CC89073 | | 3.19 | 14.65 | 0.13 | 2.1 | 0.056 | 1.51 | 37.5 | 27.6 | 0.71 | 451 | 1.04 | 1.02 | 13.3 | 21.2 | 850 |
| CC89074 | | 2.98 | 14.35 | 0.16 | 2.3 | 0.060 | 1.50 | 45.1 | 38.9 | 0.64 | 490 | 1.00 | 0.86 | 12.3 | 24.9 | 800 |
| CC89075 | | 3.01 | 14.80 | 0.13 | 1.9 | 0.055 | 1.37 | 37.4 | 27.9 | 0.60 | 275 | 1.17 | 0.87 | 12.6 | 16.1 | 660 |
| CC89076 | | 3.25 | 16.05 | 0.13 | 2.0 | 0.062 | 1.74 | 42.4 | 39.8 | 0.71 | 429 | 1.24 | 0.90 | 12.9 | 22.2 | 730 |
| CC89077 | | 3.55 | 17.65 | 0.13 | 1.9 | 0.157 | 1.56 | 32.6 | 34.0 | 0.69 | 362 | 1.75 | 1.07 | 12.9 | 21.7 | 590 |
| CC89078 | | 3.41 | 15.75 | 0.14 | 1.8 | 0.114 | 1.45 | 36.8 | 45.0 | 0.69 | 495 | 1.27 | 0.93 | 12.5 | 21.0 | 830 |
| CC89079 | | 3.14 | 12.40 | 0.13 | 1.7 | 0.077 | 1.18 | 32.4 | 29.1 | 0.60 | 801 | 1.00 | 0.86 | 11.5 | 22.5 | 880 |
| CC89080 | | 3.01 | 14.05 | 0.12 | 1.9 | 0.078 | 1.29 | 33.0 | 30.4 | 0.61 | 1320 | 1.25 | 0.79 | 12.6 | 18.6 | 1040 |
| CC89081 | | 3.00 | 14.65 | 0.12 | 2.0 | 0.097 | 1.42 | 37.7 | 35.3 | 0.65 | 334 | 1.06 | 0.82 | 14.3 | 22.5 | 550 |
| CC89082 | | 3.43 | 15.95 | 0.12 | 1.7 | 0.110 | 1.42 | 33.9 | 41.0 | 0.70 | 383 | 1.04 | 0.84 | 13.9 | 24.3 | 540 |
| CC89083 | | 3.14 | 15.70 | 0.13 | 1.9 | 0.095 | 1.27 | 33.7 | 30.1 | 0.67 | 318 | 0.83 | 0.93 | 13.7 | 22.6 | 700 |
| CC89084 | | 2.86 | 11.05 | 0.12 | 1.8 | 0.042 | 1.09 | 33.1 | 20.6 | 0.64 | 488 | 0.82 | 1.07 | 11.4 | 22.0 | 890 |
| CC89085 | | 3.35 | 14.55 | 0.13 | 1.6 | 0.141 | 1.37 | 35.5 | 35.1 | 0.77 | 523 | 1.09 | 0.99 | 11.8 | 24.8 | 1010 |
| CC89086 | | 3.36 | 11.55 | 0.11 | 1.7 | 0.080 | 1.15 | 30.3 | 25.1 | 0.62 | 1540 | 1.29 | 0.85 | 11.3 | 19.2 | 910 |
| CC89087 | | 3.31 | 17.45 | 0.14 | 2.0 | 0.269 | 1.79 | 46.8 | 49.5 | 0.84 | 386 | 0.93 | 0.80 | 17.5 | 27.2 | 680 |
| CC89088 | | 3.34 | 16.15 | 0.12 | 1.9 | 0.115 | 1.44 | 34.0 | 38.8 | 0.72 | 364 | 1.08 | 0.86 | 14.7 | 23.4 | 770 |
| CC89089 | | 3.29 | 14.40 | 0.10 | 2.0 | 0.068 | 1.16 | 32.0 | 24.5 | 0.65 | 387 | 1.17 | 0.89 | 12.6 | 17.6 | 1500 |
| CC89090 | | 3.63 | 15.10 | 0.11 | 1.9 | 0.074 | 1.32 | 33.5 | 32.2 | 0.73 | 550 | 1.39 | 0.92 | 13.5 | 21.5 | 940 |
| CC89091 | | 3.27 | 14.40 | 0.11 | 1.9 | 0.055 | 1.16 | 31.7 | 25.4 | 0.58 | 373 | 1.27 | 0.84 | 13.3 | 17.2 | 410 |
| CC89092 | | 3.62 | 16.75 | 0.13 | 2.3 | 0.096 | 1.70 | 42.9 | 52.6 | 0.68 | 611 | 0.98 | 0.84 | 14.7 | 29.4 | 670 |
| CC89093 | | 3.55 | 15.30 | 0.08 | 2.3 | 0.052 | 1.08 | 27.2 | 23.6 | 0.58 | 409 | 1.63 | 0.73 | 12.2 | 19.1 | 1030 |
| CC89094 | | 2.60 | 11.70 | 0.09 | 1.7 | 0.039 | 0.94 | 27.4 | 22.3 | 0.50 | 303 | 0.80 | 0.81 | 10.2 | 16.1 | 610 |
| CC89095 | | 3.42 | 13.70 | 0.13 | 2.5 | 0.231 | 1.18 | 40.1 | 25.9 | 0.64 | 498 | 1.31 | 0.92 | 12.4 | 26.5 | 790 |
| CC89096 | | 3.24 | 14.65 | 0.10 | 2.4 | 0.332 | 1.25 | 35.2 | 26.0 | 0.61 | 440 | 1.34 | 0.89 | 12.2 | 21.0 | 890 |
| CC89097 | | 2.90 | 13.95 | 0.15 | 2.5 | 0.203 | 1.31 | 50.0 | 27.4 | 0.55 | 432 | 1.03 | 0.85 | 13.8 | 23.8 | 790 |
| CC89098 | | 2.61 | 14.20 | 0.11 | 2.3 | 0.130 | 1.24 | 40.0 | 26.7 | 0.51 | 447 | 0.98 | 0.82 | 13.6 | 17.2 | 790 |
| CC113902 | | 2.97 | 13.55 | 0.13 | 2.1 | 0.042 | 1.17 | 36.5 | 29.2 | 0.61 | 550 | 1.14 | 0.89 | 12.6 | 19.5 | 840 |

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

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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 | 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 |
| ZZ106210 | | 11.2 | 49.8 | <0.002 | 0.01 | 1.08 | 8.6 | 1 | 1.2 | 147.5 | 0.57 | <0.05 | 7.57 | 0.340 | 0.31 | 1.8 |
| ZZ106211 | | 11.2 | 48.7 | <0.002 | 0.01 | 0.92 | 7.5 | 1 | 1.8 | 117.0 | 0.57 | <0.05 | 7.10 | 0.323 | 0.33 | 1.6 |
| ZZ106212 | | 11.9 | 62.8 | <0.002 | 0.01 | 1.29 | 11.3 | 1 | 2.6 | 170.0 | 0.72 | <0.05 | 8.71 | 0.396 | 0.44 | 2.3 |
| ZZ106213 | | 12.6 | 78.5 | <0.002 | 0.02 | 1.12 | 12.0 | 1 | 5.7 | 129.0 | 0.68 | <0.05 | 10.45 | 0.378 | 0.71 | 2.6 |
| CC89064 | | 25.5 | 132.5 | <0.002 | 0.01 | 1.64 | 15.2 | 1 | 6.2 | 132.5 | 1.10 | <0.05 | 19.75 | 0.507 | 1.43 | 3.5 |
| CC89065 | | 17.9 | 99.2 | <0.002 | 0.02 | 1.19 | 13.5 | 1 | 4.2 | 125.5 | 0.95 | <0.05 | 14.45 | 0.466 | 0.91 | 3.0 |
| CC89066 | | 12.5 | 99.7 | <0.002 | 0.03 | 0.87 | 13.4 | <1 | 2.9 | 125.5 | 0.83 | <0.05 | 12.75 | 0.429 | 0.86 | 2.8 |
| CC89067 | | 13.3 | 77.9 | <0.002 | 0.03 | 0.90 | 12.0 | 1 | 2.1 | 137.0 | 0.78 | <0.05 | 10.20 | 0.420 | 0.54 | 2.5 |
| CC89068 | | 15.8 | 73.4 | <0.002 | 0.04 | 0.89 | 11.2 | <1 | 2.1 | 134.5 | 0.70 | <0.05 | 9.92 | 0.405 | 0.48 | 2.6 |
| CC89069 | | 13.2 | 58.0 | <0.002 | 0.02 | 0.94 | 9.8 | 1 | 1.6 | 133.0 | 0.69 | <0.05 | 8.62 | 0.400 | 0.41 | 2.2 |
| CC89070 | | 13.6 | 65.0 | <0.002 | 0.02 | 1.15 | 10.7 | 1 | 1.9 | 134.5 | 0.70 | <0.05 | 9.63 | 0.408 | 0.43 | 2.3 |
| CC89071 | | 15.7 | 59.1 | <0.002 | 0.02 | 1.12 | 10.7 | 1 | 1.7 | 140.0 | 0.72 | <0.05 | 9.44 | 0.390 | 0.46 | 2.4 |
| CC89072 | | 17.0 | 64.7 | <0.002 | 0.01 | 1.07 | 11.4 | 1 | 1.9 | 139.5 | 0.73 | <0.05 | 10.20 | 0.402 | 0.49 | 2.6 |
| CC89073 | | 18.4 | 74.0 | <0.002 | 0.02 | 1.01 | 10.7 | 1 | 2.0 | 144.5 | 0.86 | <0.05 | 11.15 | 0.421 | 0.52 | 2.7 |
| CC89074 | | 20.3 | 77.4 | <0.002 | 0.04 | 1.15 | 11.2 | 1 | 2.4 | 126.0 | 0.75 | <0.05 | 13.50 | 0.393 | 0.60 | 3.2 |
| CC89075 | | 13.3 | 76.9 | <0.002 | 0.02 | 0.94 | 10.3 | 1 | 2.5 | 124.5 | 0.77 | <0.05 | 9.77 | 0.398 | 0.61 | 2.2 |
| CC89076 | | 16.5 | 90.9 | <0.002 | 0.02 | 1.29 | 12.6 | <1 | 3.4 | 135.0 | 0.75 | <0.05 | 13.20 | 0.382 | 0.76 | 3.1 |
| CC89077 | | 15.2 | 93.2 | <0.002 | 0.03 | 0.87 | 10.6 | 1 | 10.6 | 147.0 | 0.71 | 0.05 | 9.74 | 0.393 | 0.76 | 2.2 |
| CC89078 | | 16.1 | 92.3 | <0.002 | 0.02 | 1.09 | 11.6 | 1 | 7.3 | 130.0 | 0.79 | 0.05 | 10.45 | 0.403 | 0.96 | 2.5 |
| CC89079 | | 14.1 | 67.9 | <0.002 | 0.02 | 1.01 | 9.5 | 1 | 3.4 | 119.5 | 0.66 | <0.05 | 9.45 | 0.357 | 0.51 | 2.5 |
| CC89080 | | 12.9 | 73.3 | <0.002 | 0.03 | 0.77 | 9.4 | 1 | 4.2 | 108.5 | 0.76 | <0.05 | 8.52 | 0.399 | 0.55 | 2.1 |
| CC89081 | | 13.2 | 82.5 | <0.002 | 0.01 | 0.90 | 10.2 | 1 | 6.3 | 112.5 | 0.83 | <0.05 | 10.30 | 0.431 | 0.72 | 2.4 |
| CC89082 | | 15.4 | 90.8 | <0.002 | 0.01 | 1.09 | 11.7 | 1 | 5.8 | 115.5 | 0.78 | <0.05 | 10.25 | 0.396 | 0.81 | 2.7 |
| CC89083 | | 13.7 | 74.1 | <0.002 | 0.01 | 0.87 | 10.6 | <1 | 8.3 | 131.5 | 0.80 | <0.05 | 8.90 | 0.431 | 0.68 | 2.2 |
| CC89084 | | 12.0 | 54.2 | <0.002 | 0.01 | 1.05 | 9.2 | 1 | 1.7 | 153.5 | 0.65 | <0.05 | 8.58 | 0.397 | 0.34 | 2.3 |
| CC89085 | | 14.4 | 81.5 | <0.002 | 0.02 | 0.97 | 11.8 | 1 | 3.7 | 141.5 | 0.68 | <0.05 | 9.70 | 0.379 | 0.71 | 2.3 |
| CC89086 | | 12.5 | 57.7 | <0.002 | 0.02 | 0.96 | 8.6 | 1 | 2.1 | 120.0 | 0.69 | <0.05 | 8.48 | 0.376 | 0.41 | 1.9 |
| CC89087 | | 14.5 | 104.5 | <0.002 | 0.02 | 0.73 | 12.3 | <1 | 8.3 | 110.5 | 1.00 | <0.05 | 13.30 | 0.520 | 0.95 | 2.4 |
| CC89088 | | 15.4 | 82.5 | <0.002 | 0.02 | 0.91 | 11.5 | 1 | 4.3 | 122.0 | 0.80 | 0.05 | 9.58 | 0.427 | 0.75 | 2.4 |
| CC89089 | | 15.1 | 65.4 | <0.002 | 0.03 | 0.96 | 11.0 | 1 | 2.3 | 124.5 | 0.74 | <0.05 | 8.67 | 0.421 | 0.52 | 2.2 |
| CC89090 | | 16.6 | 71.8 | <0.002 | 0.03 | 1.23 | 11.9 | 1 | 2.5 | 129.5 | 0.75 | 0.05 | 9.77 | 0.432 | 0.57 | 2.4 |
| CC89091 | | 20.0 | 56.1 | <0.002 | 0.02 | 1.13 | 9.3 | 1 | 2.2 | 115.0 | 0.75 | <0.05 | 7.91 | 0.418 | 0.57 | 1.9 |
| CC89092 | | 15.4 | 94.6 | <0.002 | 0.02 | 0.97 | 12.8 | 1 | 4.4 | 123.5 | 0.86 | <0.05 | 11.30 | 0.432 | 0.97 | 2.8 |
| CC89093 | | 16.6 | 55.4 | <0.002 | 0.03 | 1.32 | 10.2 | 2 | 1.8 | 106.0 | 0.82 | 0.08 | 8.88 | 0.410 | 0.53 | 2.2 |
| CC89094 | | 13.8 | 46.4 | <0.002 | 0.02 | 0.93 | 8.5 | 1 | 1.4 | 115.0 | 0.70 | <0.05 | 8.45 | 0.341 | 0.39 | 1.8 |
| CC89095 | | 46.6 | 66.3 | 0.002 | 0.02 | 1.96 | 10.6 | 1 | 2.8 | 140.0 | 0.82 | <0.05 | 12.55 | 0.431 | 0.77 | 2.8 |
| CC89096 | | 44.4 | 70.0 | <0.002 | 0.03 | 1.42 | 11.0 | 1 | 3.7 | 133.0 | 0.80 | 0.05 | 11.35 | 0.422 | 0.71 | 2.6 |
| CC89097 | | 27.8 | 70.2 | <0.002 | 0.01 | 1.36 | 10.6 | 1 | 3.8 | 137.5 | 0.90 | <0.05 | 14.10 | 0.471 | 0.73 | 2.9 |
| CC89098 | | 23.5 | 66.1 | <0.002 | 0.01 | 1.04 | 10.4 | 1 | 2.7 | 121.0 | 0.96 | <0.05 | 11.90 | 0.443 | 0.72 | 2.6 |
| CC113902 | | 13.9 | 64.2 | <0.002 | 0.02 | 1.09 | 9.9 | 1 | 1.7 | 129.0 | 1.10 | 0.06 | 11.90 | 0.412 | 0.47 | 2.5 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| ZZ106210 | | 82 | 1.6 | 13.5 | 82 | 61.8 |
| ZZ106211 | | 77 | 1.6 | 11.3 | 84 | 54.8 |
| ZZ106212 | | 112 | 1.7 | 16.3 | 86 | 72.3 |
| ZZ106213 | | 106 | 3.0 | 14.8 | 93 | 66.4 |
| CC89064 | | 114 | 6.1 | 16.7 | 97 | 113.5 |
| CC89065 | | 119 | 3.9 | 18.4 | 90 | 102.5 |
| CC89066 | | 117 | 2.7 | 13.4 | 102 | 87.5 |
| CC89067 | | 112 | 1.4 | 13.1 | 78 | 81.4 |
| CC89068 | | 106 | 1.2 | 13.7 | 78 | 71.8 |
| CC89069 | | 98 | 1.2 | 12.1 | 62 | 73.2 |
| CC89070 | | 109 | 1.2 | 13.1 | 77 | 77.2 |
| CC89071 | | 99 | 1.2 | 13.9 | 63 | 71.2 |
| CC89072 | | 104 | 1.4 | 15.3 | 84 | 93.5 |
| CC89073 | | 113 | 1.4 | 12.9 | 80 | 80.2 |
| CC89074 | | 93 | 1.4 | 16.3 | 86 | 90.5 |
| CC89075 | | 107 | 1.5 | 11.9 | 55 | 72.4 |
| CC89076 | | 108 | 1.6 | 14.3 | 78 | 78.9 |
| CC89077 | | 116 | 3.2 | 12.0 | 104 | 72.8 |
| CC89078 | | 114 | 3.7 | 12.8 | 97 | 69.5 |
| CC89079 | | 92 | 2.3 | 12.9 | 92 | 64.0 |
| CC89080 | | 101 | 2.1 | 11.2 | 73 | 71.3 |
| CC89081 | | 104 | 3.6 | 13.1 | 88 | 77.4 |
| CC89082 | | 109 | 4.1 | 13.0 | 90 | 66.4 |
| CC89083 | | 108 | 6.5 | 12.7 | 76 | 80.3 |
| CC89084 | | 93 | 1.6 | 13.9 | 75 | 70.0 |
| CC89085 | | 107 | 3.1 | 13.5 | 139 | 62.8 |
| CC89086 | | 96 | 1.8 | 11.7 | 84 | 63.6 |
| CC89087 | | 112 | 4.1 | 13.0 | 142 | 77.5 |
| CC89088 | | 114 | 2.5 | 12.8 | 113 | 73.8 |
| CC89089 | | 114 | 1.7 | 12.1 | 76 | 76.8 |
| CC89090 | | 124 | 1.9 | 13.6 | 97 | 75.7 |
| CC89091 | | 118 | 1.5 | 11.1 | 62 | 73.0 |
| CC89092 | | 107 | 2.9 | 12.7 | 180 | 80.5 |
| CC89093 | | 127 | 1.4 | 9.8 | 68 | 68.6 |
| CC89094 | | 90 | 1.3 | 9.7 | 51 | 65.9 |
| CC89095 | | 113 | 2.8 | 14.1 | 99 | 78.8 |
| CC89096 | | 110 | 2.2 | 13.0 | 76 | 76.7 |
| CC89097 | | 100 | 2.5 | 15.6 | 93 | 84.4 |
| CC89098 | | 96 | 2.2 | 13.4 | 73 | 79.6 |
| CC113902 | | 98 | 1.7 | 12.6 | 71 | 70.1 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113903 | | 0.36 | 0.009 | 0.11 | 5.55 | 13.7 | 710 | 1.20 | 0.25 | 0.77 | 0.27 | 64.5 | 12.7 | 60 | 3.81 | 22.3 |
| CC113904 | | 0.34 | 0.009 | 0.03 | 5.15 | 16.8 | 730 | 1.08 | 0.39 | 0.69 | 0.11 | 61.3 | 6.2 | 63 | 4.62 | 15.3 |
| CC113905 | | 0.46 | 0.002 | 0.05 | 4.70 | 15.4 | 680 | 1.02 | 0.21 | 0.69 | 0.16 | 62.6 | 9.3 | 56 | 2.58 | 19.5 |
| CC113906 | | 0.37 | 0.001 | 0.06 | 6.01 | 23.0 | 840 | 1.57 | 0.92 | 0.54 | 0.13 | 70.1 | 7.0 | 66 | 4.96 | 16.5 |
| CC113907 | | 0.35 | 0.006 | 0.04 | 5.59 | 30.8 | 760 | 1.27 | 0.74 | 0.54 | 0.12 | 63.8 | 5.8 | 67 | 5.16 | 12.4 |
| CC113908 | | 0.40 | 0.004 | 0.05 | 5.43 | 27.8 | 700 | 1.11 | 0.54 | 0.51 | 0.17 | 62.8 | 5.8 | 62 | 4.16 | 10.7 |
| CC113909 | | 0.49 | 0.003 | 0.12 | 6.00 | 20.7 | 890 | 1.71 | 1.22 | 0.71 | 0.31 | 73.7 | 8.0 | 66 | 7.54 | 31.8 |
| CC113910 | | 0.42 | 0.002 | 0.04 | 5.26 | 15.9 | 810 | 1.54 | 1.11 | 0.71 | 0.27 | 73.4 | 7.4 | 64 | 7.02 | 23.5 |
| CC113911 | | 0.36 | 0.002 | 0.04 | 5.29 | 19.8 | 780 | 1.41 | 1.76 | 0.66 | 0.22 | 63.7 | 6.9 | 59 | 6.06 | 25.5 |
| CC113912 | | 0.41 | 0.001 | 0.05 | 5.40 | 23.7 | 890 | 1.51 | 1.04 | 0.77 | 0.18 | 72.8 | 7.4 | 66 | 5.65 | 33.6 |
| CC113913 | | 0.41 | 0.011 | 0.11 | 5.34 | 29.8 | 790 | 1.49 | 1.50 | 0.66 | 0.26 | 72.7 | 9.7 | 63 | 7.52 | 41.0 |
| CC113914 | | 0.44 | 0.002 | 0.04 | 6.09 | 21.0 | 940 | 1.55 | 1.18 | 0.73 | 0.17 | 78.5 | 7.5 | 71 | 6.99 | 37.8 |
| CC113915 | | 0.40 | 0.006 | 0.04 | 5.55 | 21.0 | 850 | 1.39 | 1.04 | 0.68 | 0.13 | 76.0 | 6.9 | 65 | 5.84 | 33.2 |
| CC113916 | | 0.44 | 0.004 | 0.25 | 5.40 | 33.4 | 890 | 1.63 | 1.00 | 0.78 | 0.38 | 79.2 | 12.7 | 59 | 3.96 | 48.0 |
| CC113917 | | 0.40 | 0.008 | 0.52 | 5.13 | 19.2 | 710 | 1.69 | 1.29 | 0.63 | 0.45 | 72.1 | 8.7 | 53 | 6.82 | 72.2 |
| CC113918 | | 0.40 | 0.002 | 0.19 | 5.65 | 16.2 | 760 | 1.33 | 1.24 | 0.63 | 0.32 | 66.8 | 9.0 | 62 | 6.12 | 38.2 |
| CC113919 | | 0.39 | 0.003 | 0.14 | 6.47 | 23.9 | 930 | 1.62 | 4.44 | 0.64 | 0.49 | 71.1 | 11.1 | 74 | 10.65 | 56.4 |
| CC113920 | | 0.41 | 0.005 | 0.05 | 4.77 | 22.8 | 670 | 1.04 | 0.52 | 0.63 | 0.39 | 59.2 | 19.4 | 61 | 4.04 | 17.8 |
| CC113921 | | 0.50 | 0.004 | 0.06 | 5.06 | 22.8 | 760 | 1.22 | 0.34 | 0.86 | 0.62 | 74.1 | 17.1 | 63 | 3.37 | 26.0 |
| CC113922 | | 0.41 | 0.001 | 0.07 | 4.99 | 23.2 | 720 | 1.11 | 0.44 | 0.68 | 0.43 | 71.8 | 9.6 | 67 | 4.62 | 19.1 |
| CC113923 | | 0.45 | 0.002 | 0.09 | 5.87 | 28.6 | 790 | 1.39 | 0.56 | 0.61 | 0.51 | 70.0 | 13.5 | 68 | 7.06 | 26.5 |
| CC113924 | | 0.45 | 0.008 | 0.06 | 5.92 | 26.3 | 810 | 1.42 | 0.45 | 0.72 | 0.41 | 86.5 | 11.9 | 74 | 6.26 | 28.4 |
| CC113925 | | 0.46 | 0.004 | 0.11 | 6.15 | 31.8 | 840 | 1.35 | 0.43 | 0.69 | 0.32 | 64.7 | 8.7 | 76 | 5.77 | 31.0 |
| CC113926 | | 0.51 | 0.002 | 0.08 | 6.06 | 35.9 | 830 | 1.36 | 0.42 | 0.65 | 0.31 | 72.7 | 8.0 | 73 | 5.72 | 23.1 |
| CC113927 | | 0.45 | 0.002 | 0.06 | 5.51 | 22.6 | 750 | 1.25 | 0.35 | 0.65 | 0.28 | 81.5 | 6.6 | 68 | 6.79 | 19.6 |
| CC113928 | | 0.49 | 0.004 | 0.10 | 6.47 | 34.4 | 880 | 1.55 | 0.84 | 0.67 | 0.50 | 76.2 | 8.5 | 75 | 10.45 | 32.1 |
| CC113929 | | 0.38 | 0.003 | 0.16 | 5.81 | 41.6 | 770 | 1.22 | 1.48 | 0.66 | 0.28 | 72.8 | 5.6 | 68 | 8.66 | 25.6 |
| CC113930 | | 0.49 | 0.004 | 0.16 | 5.05 | 28.4 | 740 | 1.15 | 0.41 | 0.69 | 0.45 | 72.2 | 7.4 | 61 | 5.73 | 24.8 |
| CC113931 | | 0.53 | 0.004 | 0.08 | 4.98 | 19.2 | 720 | 1.14 | 0.50 | 0.67 | 0.45 | 82.2 | 6.8 | 59 | 4.83 | 19.9 |
| CC113932 | | 0.43 | 0.022 | 0.06 | 5.03 | 21.2 | 810 | 1.15 | 0.71 | 0.76 | 0.54 | 94.1 | 8.3 | 67 | 9.79 | 21.6 |
| CC113933 | | 0.43 | 0.006 | 0.09 | 4.69 | 15.0 | 680 | 1.01 | 0.17 | 0.79 | 0.35 | 63.0 | 9.5 | 56 | 2.51 | 18.9 |
| CC113934 | | 0.48 | 0.003 | 0.05 | 6.73 | 21.4 | 840 | 1.44 | 24.2 | 0.47 | 0.16 | 93.2 | 10.1 | 70 | 10.50 | 33.5 |
| CC113935 | | 0.37 | 0.001 | 0.06 | 5.49 | 26.2 | 730 | 1.07 | 1.61 | 0.53 | 0.16 | 69.6 | 6.8 | 63 | 7.90 | 24.2 |
| CC113936 | | 0.42 | 0.001 | 0.05 | 5.53 | 25.4 | 810 | 1.22 | 1.46 | 0.65 | 0.16 | 74.4 | 10.4 | 64 | 5.81 | 21.1 |
| CC113937 | | 0.46 | 0.002 | 0.08 | 5.54 | 32.0 | 820 | 1.32 | 3.34 | 0.62 | 0.18 | 78.4 | 8.2 | 63 | 6.54 | 25.7 |
| CC113938 | | 0.48 | 0.001 | 0.04 | 5.53 | 48.4 | 830 | 1.26 | 2.05 | 0.64 | 0.19 | 84.6 | 7.6 | 63 | 6.07 | 30.7 |
| CC113939 | | 0.43 | 0.002 | 0.09 | 5.42 | 31.0 | 760 | 1.23 | 2.33 | 0.55 | 0.17 | 74.8 | 10.3 | 59 | 6.67 | 31.6 |
| CC113940 | | 0.42 | 0.002 | 0.06 | 5.34 | 31.1 | 710 | 1.08 | 2.21 | 0.52 | 0.23 | 70.4 | 7.3 | 63 | 8.63 | 25.5 |
| CC113941 | | 0.37 | 0.001 | 0.06 | 5.93 | 24.1 | 830 | 1.19 | 1.50 | 0.50 | 0.24 | 68.4 | 7.1 | 68 | 12.55 | 22.4 |
| CC113942 | | 0.47 | 0.003 | 0.09 | 5.90 | 26.2 | 840 | 1.35 | 2.95 | 0.44 | 0.57 | 77.3 | 10.3 | 66 | 12.90 | 34.1 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113903 | | 2.94 | 12.90 | 0.11 | 1.8 | 0.045 | 1.10 | 32.7 | 27.0 | 0.65 | 764 | 1.03 | 1.01 | 11.0 | 23.5 | 1070 |
| CC113904 | | 2.76 | 14.35 | 0.10 | 2.2 | 0.045 | 1.16 | 31.4 | 26.0 | 0.60 | 258 | 1.02 | 0.98 | 12.0 | 16.9 | 860 |
| CC113905 | | 2.78 | 11.55 | 0.08 | 1.9 | 0.035 | 1.03 | 30.7 | 23.3 | 0.57 | 440 | 0.90 | 0.95 | 10.7 | 18.8 | 850 |
| CC113906 | | 2.99 | 16.00 | 0.09 | 2.2 | 0.066 | 1.50 | 36.1 | 31.6 | 0.58 | 328 | 1.18 | 0.84 | 13.8 | 17.1 | 790 |
| CC113907 | | 3.07 | 16.60 | 0.09 | 2.1 | 0.055 | 1.32 | 32.6 | 28.3 | 0.56 | 275 | 1.07 | 0.87 | 12.9 | 14.9 | 690 |
| CC113908 | | 2.65 | 16.00 | 0.09 | 2.1 | 0.064 | 1.29 | 32.2 | 24.4 | 0.46 | 335 | 1.15 | 0.82 | 12.5 | 11.7 | 1170 |
| CC113909 | | 3.37 | 16.90 | 0.09 | 2.3 | 0.145 | 1.47 | 36.8 | 36.2 | 0.68 | 369 | 1.39 | 1.04 | 12.9 | 22.0 | 810 |
| CC113910 | | 2.96 | 15.50 | 0.13 | 2.1 | 0.094 | 1.30 | 37.2 | 30.7 | 0.60 | 399 | 1.32 | 0.92 | 12.7 | 18.7 | 870 |
| CC113911 | | 3.04 | 14.40 | 0.10 | 2.1 | 0.097 | 1.25 | 32.0 | 32.1 | 0.59 | 347 | 1.07 | 0.93 | 11.7 | 18.3 | 780 |
| CC113912 | | 3.00 | 14.55 | 0.12 | 2.2 | 0.084 | 1.31 | 36.4 | 31.6 | 0.66 | 375 | 0.95 | 0.98 | 12.8 | 19.7 | 780 |
| CC113913 | | 3.38 | 14.95 | 0.10 | 1.9 | 0.124 | 1.31 | 37.3 | 34.6 | 0.63 | 484 | 1.13 | 0.90 | 12.9 | 22.5 | 550 |
| CC113914 | | 3.25 | 16.40 | 0.13 | 2.2 | 0.088 | 1.46 | 39.0 | 36.9 | 0.71 | 332 | 1.21 | 1.01 | 13.5 | 23.4 | 720 |
| CC113915 | | 3.02 | 14.95 | 0.11 | 2.2 | 0.094 | 1.35 | 38.3 | 33.3 | 0.65 | 301 | 1.17 | 0.97 | 12.8 | 19.7 | 840 |
| CC113916 | | 3.00 | 13.50 | 0.12 | 2.2 | 0.087 | 1.30 | 38.7 | 31.1 | 0.64 | 407 | 1.19 | 1.04 | 12.4 | 28.0 | 820 |
| CC113917 | | 2.78 | 12.90 | 0.11 | 1.7 | 0.080 | 1.14 | 33.8 | 31.2 | 0.58 | 341 | 0.70 | 0.88 | 10.9 | 25.3 | 730 |
| CC113918 | | 3.10 | 14.30 | 0.09 | 1.9 | 0.079 | 1.23 | 34.6 | 30.6 | 0.62 | 461 | 1.14 | 0.91 | 11.6 | 19.4 | 760 |
| CC113919 | | 3.64 | 18.45 | 0.14 | 2.3 | 0.156 | 1.59 | 36.3 | 42.3 | 0.79 | 570 | 1.30 | 0.83 | 14.7 | 26.1 | 830 |
| CC113920 | | 3.77 | 13.65 | 0.10 | 1.8 | 0.089 | 1.11 | 30.0 | 23.7 | 0.58 | 1540 | 1.86 | 0.83 | 11.2 | 16.5 | 1100 |
| CC113921 | | 3.31 | 12.55 | 0.12 | 2.2 | 0.079 | 1.20 | 37.7 | 27.8 | 0.63 | 1380 | 1.17 | 0.92 | 12.4 | 23.8 | 1380 |
| CC113922 | | 3.24 | 13.85 | 0.11 | 2.1 | 0.064 | 1.19 | 36.7 | 26.8 | 0.56 | 544 | 1.30 | 0.80 | 13.0 | 19.1 | 920 |
| CC113923 | | 3.44 | 14.55 | 0.09 | 2.0 | 0.069 | 1.34 | 35.2 | 33.8 | 0.63 | 605 | 1.16 | 0.87 | 12.4 | 24.2 | 670 |
| CC113924 | | 3.32 | 15.35 | 0.13 | 2.3 | 0.050 | 1.51 | 43.0 | 30.8 | 0.65 | 583 | 1.03 | 0.86 | 13.8 | 24.1 | 890 |
| CC113925 | | 3.50 | 16.15 | 0.10 | 2.3 | 0.089 | 1.36 | 32.7 | 30.7 | 0.75 | 392 | 1.37 | 1.00 | 12.7 | 23.4 | 770 |
| CC113926 | | 3.40 | 16.70 | 0.13 | 2.2 | 0.070 | 1.38 | 37.4 | 29.8 | 0.69 | 336 | 1.26 | 0.94 | 13.6 | 21.5 | 750 |
| CC113927 | | 2.93 | 15.65 | 0.11 | 2.4 | 0.055 | 1.31 | 41.3 | 29.8 | 0.58 | 314 | 1.08 | 0.88 | 14.1 | 18.7 | 780 |
| CC113928 | | 3.44 | 16.60 | 0.09 | 2.2 | 0.085 | 1.58 | 40.0 | 36.3 | 0.68 | 383 | 1.10 | 0.91 | 13.6 | 23.0 | 860 |
| CC113929 | | 3.11 | 15.35 | 0.09 | 2.3 | 0.132 | 1.36 | 37.9 | 32.3 | 0.58 | 257 | 1.07 | 0.86 | 12.8 | 17.4 | 830 |
| CC113930 | | 2.89 | 12.35 | 0.12 | 2.2 | 0.066 | 1.18 | 39.0 | 29.7 | 0.58 | 392 | 0.85 | 0.87 | 12.1 | 18.3 | 640 |
| CC113931 | | 2.60 | 13.20 | 0.15 | 2.2 | 0.044 | 1.20 | 41.2 | 27.8 | 0.53 | 340 | 0.84 | 0.86 | 12.1 | 19.0 | 750 |
| CC113932 | | 3.08 | 13.85 | 0.12 | 2.5 | 0.051 | 1.20 | 46.9 | 34.2 | 0.58 | 400 | 1.17 | 0.90 | 12.8 | 20.7 | 760 |
| CC113933 | | 2.74 | 11.75 | 0.09 | 1.9 | 0.046 | 1.04 | 30.8 | 22.9 | 0.59 | 580 | 0.92 | 1.00 | 10.5 | 21.3 | 1010 |
| CC113934 | | 3.54 | 19.65 | 0.16 | 2.6 | 0.085 | 1.73 | 45.0 | 42.5 | 0.65 | 346 | 1.16 | 0.87 | 14.5 | 23.5 | 480 |
| CC113935 | | 3.11 | 14.50 | 0.10 | 2.0 | 0.056 | 1.38 | 35.5 | 30.5 | 0.58 | 320 | 1.00 | 0.88 | 12.1 | 16.9 | 570 |
| CC113936 | | 3.15 | 14.25 | 0.14 | 2.0 | 0.046 | 1.32 | 36.2 | 30.9 | 0.63 | 523 | 1.16 | 0.95 | 11.9 | 20.2 | 800 |
| CC113937 | | 3.10 | 15.25 | 0.13 | 2.2 | 0.054 | 1.40 | 39.6 | 30.2 | 0.62 | 336 | 1.18 | 0.87 | 13.6 | 20.9 | 800 |
| CC113938 | | 3.14 | 14.00 | 0.12 | 2.1 | 0.064 | 1.40 | 42.2 | 30.2 | 0.67 | 352 | 1.04 | 0.92 | 12.3 | 20.9 | 610 |
| CC113939 | | 3.12 | 14.20 | 0.14 | 2.2 | 0.060 | 1.36 | 36.3 | 31.2 | 0.60 | 510 | 1.02 | 0.87 | 11.5 | 19.9 | 650 |
| CC113940 | | 3.18 | 13.80 | 0.10 | 2.0 | 0.061 | 1.27 | 35.2 | 31.2 | 0.55 | 374 | 1.00 | 0.83 | 11.3 | 17.7 | 670 |
| CC113941 | | 3.53 | 16.20 | 0.12 | 2.0 | 0.053 | 1.50 | 35.1 | 37.4 | 0.61 | 275 | 1.12 | 0.83 | 12.1 | 19.5 | 470 |
| CC113942 | | 3.06 | 16.35 | 0.13 | 2.3 | 0.052 | 1.55 | 37.9 | 40.5 | 0.56 | 698 | 1.34 | 0.83 | 12.8 | 24.0 | 860 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113903 | | 13.3 | 54.4 | <0.002 | 0.02 | 0.99 | 10.1 | 2 | 1.5 | 150.5 | 0.71 | <0.05 | 11.10 | 0.383 | 0.42 | 2.4 |
| CC113904 | | 13.4 | 61.5 | <0.002 | 0.02 | 1.02 | 10.3 | 1 | 1.7 | 140.5 | 0.85 | <0.05 | 9.89 | 0.408 | 0.47 | 2.3 |
| CC113905 | | 13.2 | 51.4 | <0.002 | 0.01 | 1.06 | 9.2 | 1 | 1.3 | 135.5 | 0.72 | <0.05 | 10.05 | 0.377 | 0.41 | 2.2 |
| CC113906 | | 15.7 | 84.3 | <0.002 | 0.02 | 1.10 | 11.1 | 1 | 5.8 | 129.0 | 0.93 | <0.05 | 12.60 | 0.392 | 0.79 | 2.7 |
| CC113907 | | 16.4 | 74.5 | <0.002 | 0.02 | 0.97 | 10.7 | 1 | 3.1 | 127.5 | 0.85 | <0.05 | 11.35 | 0.403 | 0.77 | 2.4 |
| CC113908 | | 20.1 | 72.5 | <0.002 | 0.02 | 0.96 | 9.9 | 1 | 4.3 | 122.0 | 0.82 | <0.05 | 10.00 | 0.400 | 0.74 | 2.3 |
| CC113909 | | 16.5 | 90.5 | <0.002 | 0.03 | 1.07 | 11.2 | 2 | 6.6 | 145.0 | 0.85 | 0.06 | 13.30 | 0.416 | 0.79 | 2.8 |
| CC113910 | | 15.9 | 79.9 | <0.002 | 0.02 | 1.04 | 10.5 | 1 | 5.9 | 135.5 | 0.84 | <0.05 | 11.20 | 0.416 | 0.72 | 2.6 |
| CC113911 | | 16.2 | 70.9 | <0.002 | 0.03 | 1.04 | 9.7 | 1 | 4.6 | 129.0 | 0.85 | <0.05 | 11.40 | 0.393 | 0.69 | 2.4 |
| CC113912 | | 15.1 | 73.3 | <0.002 | 0.02 | 1.16 | 11.0 | 2 | 4.0 | 142.5 | 0.94 | <0.05 | 12.45 | 0.429 | 0.70 | 3.0 |
| CC113913 | | 15.5 | 79.9 | <0.002 | 0.02 | 1.07 | 9.9 | 1 | 5.7 | 131.0 | 0.95 | <0.05 | 12.30 | 0.404 | 0.73 | 2.5 |
| CC113914 | | 15.3 | 84.6 | <0.002 | 0.01 | 1.09 | 11.7 | 2 | 5.8 | 148.5 | 0.90 | 0.05 | 12.50 | 0.430 | 0.81 | 2.9 |
| CC113915 | | 14.6 | 77.2 | <0.002 | 0.02 | 1.05 | 10.9 | 2 | 4.6 | 137.0 | 0.87 | <0.05 | 12.15 | 0.414 | 0.76 | 2.9 |
| CC113916 | | 15.0 | 72.9 | <0.002 | 0.01 | 1.33 | 10.4 | 2 | 4.8 | 158.0 | 0.89 | <0.05 | 12.70 | 0.406 | 0.54 | 2.6 |
| CC113917 | | 13.5 | 71.6 | <0.002 | 0.01 | 0.94 | 9.6 | 1 | 4.0 | 128.0 | 0.86 | <0.05 | 10.85 | 0.342 | 0.64 | 2.5 |
| CC113918 | | 15.4 | 74.7 | <0.002 | 0.02 | 1.14 | 10.5 | 1 | 2.8 | 131.0 | 0.74 | <0.05 | 11.50 | 0.386 | 0.71 | 2.4 |
| CC113919 | | 16.4 | 109.0 | <0.002 | 0.02 | 1.15 | 11.8 | 2 | 8.4 | 121.0 | 0.99 | 0.06 | 12.75 | 0.467 | 1.15 | 2.7 |
| CC113920 | | 16.6 | 58.0 | <0.002 | 0.02 | 1.03 | 8.7 | 2 | 2.3 | 121.5 | 0.73 | 0.06 | 8.73 | 0.379 | 0.47 | 2.0 |
| CC113921 | | 15.2 | 64.2 | <0.002 | 0.01 | 1.11 | 9.5 | 2 | 2.4 | 143.5 | 0.82 | <0.05 | 11.95 | 0.428 | 0.43 | 2.3 |
| CC113922 | | 15.7 | 68.1 | <0.002 | 0.02 | 1.14 | 9.6 | 1 | 2.9 | 121.5 | 0.87 | 0.05 | 11.45 | 0.442 | 0.57 | 2.4 |
| CC113923 | | 16.1 | 72.8 | <0.002 | 0.02 | 1.22 | 10.7 | 1 | 3.1 | 125.5 | 0.81 | <0.05 | 11.80 | 0.396 | 0.74 | 2.5 |
| CC113924 | | 15.8 | 79.7 | <0.002 | 0.02 | 1.17 | 11.1 | 1 | 2.9 | 133.5 | 0.92 | <0.05 | 14.35 | 0.468 | 0.69 | 2.7 |
| CC113925 | | 15.6 | 72.2 | <0.002 | 0.02 | 1.20 | 12.0 | 1 | 3.1 | 145.5 | 0.86 | <0.05 | 11.05 | 0.420 | 0.70 | 2.6 |
| CC113926 | | 17.4 | 74.7 | <0.002 | 0.02 | 1.35 | 12.2 | 2 | 3.0 | 138.5 | 0.85 | 0.08 | 11.95 | 0.427 | 0.81 | 2.7 |
| CC113927 | | 14.8 | 71.7 | <0.002 | 0.02 | 1.04 | 10.9 | 1 | 2.8 | 131.5 | 0.93 | <0.05 | 12.45 | 0.459 | 0.75 | 2.6 |
| CC113928 | | 19.9 | 84.7 | <0.002 | 0.02 | 1.15 | 11.7 | 1 | 3.4 | 132.5 | 0.92 | 0.06 | 13.15 | 0.434 | 0.87 | 2.7 |
| CC113929 | | 19.6 | 72.3 | <0.002 | 0.02 | 1.09 | 10.6 | 2 | 5.1 | 128.5 | 0.87 | 0.06 | 11.80 | 0.425 | 0.80 | 2.7 |
| CC113930 | | 13.6 | 62.2 | <0.002 | 0.01 | 1.01 | 9.3 | 1 | 3.3 | 129.5 | 0.84 | <0.05 | 12.20 | 0.440 | 0.59 | 2.4 |
| CC113931 | | 13.4 | 63.9 | <0.002 | 0.01 | 0.96 | 9.2 | 1 | 2.3 | 132.0 | 0.86 | 0.07 | 11.10 | 0.426 | 0.61 | 2.6 |
| CC113932 | | 14.1 | 62.0 | <0.002 | 0.02 | 1.07 | 9.3 | 1 | 2.1 | 145.0 | 0.84 | 0.06 | 13.00 | 0.472 | 0.56 | 2.8 |
| CC113933 | | 12.8 | 51.6 | <0.002 | 0.01 | 1.05 | 8.5 | 1 | 1.5 | 151.5 | 0.73 | <0.05 | 8.70 | 0.386 | 0.34 | 2.1 |
| CC113934 | | 16.2 | 101.0 | <0.002 | 0.02 | 0.91 | 12.0 | 1 | 4.3 | 129.5 | 1.04 | <0.05 | 13.00 | 0.450 | 0.94 | 3.0 |
| CC113935 | | 14.0 | 74.5 | <0.002 | 0.02 | 0.83 | 9.2 | 1 | 3.1 | 124.0 | 0.82 | 0.05 | 10.50 | 0.419 | 0.77 | 2.2 |
| CC113936 | | 14.4 | 72.6 | <0.002 | 0.02 | 1.06 | 9.9 | 1 | 3.3 | 141.5 | 0.79 | 0.07 | 11.25 | 0.385 | 0.66 | 2.6 |
| CC113937 | | 16.4 | 77.7 | <0.002 | 0.03 | 1.00 | 9.8 | 1 | 5.7 | 134.5 | 0.92 | 0.05 | 12.05 | 0.409 | 0.88 | 2.7 |
| CC113938 | | 13.1 | 74.6 | <0.002 | 0.03 | 1.05 | 9.8 | 1 | 4.4 | 138.0 | 0.86 | <0.05 | 12.50 | 0.399 | 0.81 | 2.7 |
| CC113939 | | 15.3 | 75.3 | <0.002 | 0.03 | 0.98 | 9.3 | 1 | 3.6 | 128.0 | 0.79 | <0.05 | 11.60 | 0.376 | 0.87 | 2.5 |
| CC113940 | | 17.1 | 67.4 | <0.002 | 0.02 | 1.05 | 8.9 | 1 | 2.9 | 117.5 | 0.82 | 0.06 | 10.60 | 0.392 | 0.82 | 2.4 |
| CC113941 | | 15.3 | 87.4 | <0.002 | 0.02 | 0.91 | 10.2 | 1 | 2.7 | 120.5 | 0.80 | 0.08 | 10.45 | 0.387 | 0.89 | 2.3 |
| CC113942 | | 13.2 | 101.5 | <0.002 | 0.03 | 0.94 | 9.8 | 1 | 3.1 | 116.5 | 0.91 | 0.15 | 11.70 | 0.413 | 1.03 | 2.6 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113903 | | 93 | 1.2 | 11.8 | 89 | 65.2 |
| CC113904 | | 102 | 1.5 | 11.3 | 52 | 78.2 |
| CC113905 | | 92 | 1.2 | 11.5 | 63 | 62.1 |
| CC113906 | | 109 | 1.9 | 11.5 | 61 | 74.9 |
| CC113907 | | 115 | 1.5 | 10.1 | 50 | 70.2 |
| CC113908 | | 104 | 1.7 | 9.6 | 41 | 70.2 |
| CC113909 | | 113 | 2.2 | 13.2 | 109 | 75.8 |
| CC113910 | | 112 | 2.1 | 12.4 | 78 | 71.6 |
| CC113911 | | 103 | 3.2 | 11.3 | 73 | 68.6 |
| CC113912 | | 109 | 4.4 | 14.4 | 71 | 77.5 |
| CC113913 | | 103 | 7.8 | 11.9 | 86 | 64.9 |
| CC113914 | | 118 | 4.7 | 14.8 | 84 | 72.7 |
| CC113915 | | 108 | 4.5 | 13.7 | 72 | 78.0 |
| CC113916 | | 103 | 4.5 | 16.4 | 98 | 70.4 |
| CC113917 | | 84 | 6.9 | 14.7 | 103 | 57.5 |
| CC113918 | | 104 | 5.9 | 12.1 | 84 | 64.4 |
| CC113919 | | 124 | 7.2 | 12.7 | 125 | 74.8 |
| CC113920 | | 105 | 1.9 | 10.5 | 81 | 58.1 |
| CC113921 | | 99 | 1.9 | 13.9 | 109 | 71.4 |
| CC113922 | | 111 | 2.0 | 12.4 | 85 | 72.3 |
| CC113923 | | 104 | 2.3 | 12.1 | 111 | 67.1 |
| CC113924 | | 105 | 4.4 | 14.0 | 92 | 77.9 |
| CC113925 | | 118 | 2.3 | 12.8 | 92 | 73.8 |
| CC113926 | | 120 | 2.6 | 13.1 | 86 | 75.7 |
| CC113927 | | 108 | 2.0 | 12.4 | 84 | 80.1 |
| CC113928 | | 116 | 2.7 | 12.7 | 116 | 73.8 |
| CC113929 | | 108 | 2.4 | 11.9 | 88 | 76.3 |
| CC113930 | | 100 | 2.3 | 13.0 | 91 | 75.5 |
| CC113931 | | 95 | 1.9 | 12.7 | 79 | 73.2 |
| CC113932 | | 106 | 1.9 | 13.7 | 74 | 85.8 |
| CC113933 | | 92 | 1.1 | 11.9 | 72 | 63.2 |
| CC113934 | | 118 | 3.2 | 12.0 | 70 | 84.4 |
| CC113935 | | 104 | 1.9 | 9.5 | 57 | 66.8 |
| CC113936 | | 104 | 1.5 | 11.9 | 66 | 67.5 |
| CC113937 | | 107 | 1.8 | 12.5 | 64 | 72.2 |
| CC113938 | | 102 | 2.4 | 13.4 | 64 | 70.0 |
| CC113939 | | 98 | 2.2 | 11.4 | 68 | 68.9 |
| CC113940 | | 102 | 1.7 | 10.1 | 66 | 67.6 |
| CC113941 | | 111 | 1.9 | 9.9 | 66 | 65.1 |
| CC113942 | | 105 | 3.2 | 10.8 | 92 | 77.0 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113943 | | 0.42 | 0.005 | 0.12 | 5.19 | 34.4 | 700 | 1.04 | 0.84 | 0.70 | 0.32 | 58.1 | 8.1 | 62 | 3.16 | 14.5 |
| CC113944 | | 0.44 | 0.003 | 0.06 | 5.01 | 19.8 | 720 | 1.01 | 0.35 | 0.71 | 0.25 | 73.9 | 8.4 | 64 | 3.71 | 17.5 |
| CC113945 | | 0.45 | 0.007 | 0.03 | 4.78 | 17.3 | 710 | 1.02 | 0.25 | 0.71 | 0.26 | 74.5 | 8.0 | 59 | 2.92 | 19.1 |
| CC113946 | | 0.40 | 0.001 | 0.08 | 4.78 | 20.1 | 690 | 0.99 | 0.26 | 0.68 | 0.36 | 66.4 | 11.0 | 57 | 3.97 | 17.5 |
| CC113947 | | 0.45 | 0.003 | 0.08 | 6.04 | 27.5 | 850 | 1.36 | 0.56 | 0.67 | 0.28 | 82.8 | 8.6 | 75 | 7.18 | 27.2 |
| CC113948 | | 0.42 | 0.003 | 0.03 | 6.05 | 25.1 | 850 | 1.09 | 0.56 | 0.65 | 0.29 | 66.2 | 8.0 | 78 | 7.34 | 21.9 |
| CC113949 | | 0.43 | 0.004 | 0.08 | 5.84 | 19.9 | 870 | 1.30 | 0.48 | 0.70 | 0.22 | 74.9 | 12.7 | 68 | 6.87 | 28.3 |
| CC113950 | | 0.45 | 0.001 | 0.07 | 5.87 | 23.6 | 850 | 1.25 | 0.53 | 0.72 | 0.51 | 73.2 | 12.6 | 74 | 5.17 | 25.2 |

***** 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
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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113943 | | 2.96 | 13.05 | 0.09 | 1.9 | 0.115 | 1.10 | 29.3 | 26.3 | 0.57 | 397 | 1.16 | 0.97 | 10.7 | 16.3 | 840 |
| CC113944 | | 2.98 | 13.95 | 0.11 | 2.1 | 0.050 | 1.11 | 37.5 | 25.8 | 0.58 | 470 | 1.15 | 0.92 | 12.6 | 17.6 | 930 |
| CC113945 | | 2.89 | 11.75 | 0.09 | 2.1 | 0.047 | 1.06 | 35.6 | 24.6 | 0.58 | 397 | 0.83 | 0.91 | 11.3 | 20.2 | 690 |
| CC113946 | | 3.03 | 12.20 | 0.10 | 1.9 | 0.047 | 1.09 | 33.0 | 26.3 | 0.57 | 651 | 0.86 | 0.89 | 11.2 | 17.6 | 790 |
| CC113947 | | 3.22 | 15.75 | 0.13 | 2.3 | 0.076 | 1.48 | 42.0 | 36.4 | 0.66 | 382 | 0.99 | 0.88 | 15.1 | 23.6 | 730 |
| CC113948 | | 3.52 | 16.10 | 0.10 | 2.3 | 0.066 | 1.37 | 32.8 | 31.6 | 0.69 | 365 | 1.37 | 0.90 | 13.2 | 22.8 | 810 |
| CC113949 | | 3.35 | 15.10 | 0.13 | 2.1 | 0.060 | 1.38 | 37.0 | 35.0 | 0.71 | 649 | 1.12 | 0.97 | 12.6 | 23.9 | 720 |
| CC113950 | | 3.58 | 14.85 | 0.12 | 2.1 | 0.071 | 1.34 | 36.1 | 34.2 | 0.71 | 626 | 1.33 | 0.94 | 12.3 | 25.6 | 770 |

***** 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: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113943 | | 21.8 | 55.3 | <0.002 | 0.02 | 1.01 | 9.1 | 1 | 3.2 | 147.0 | 0.74 | 0.05 | 8.52 | 0.365 | 0.48 | 2.1 |
| CC113944 | | 15.0 | 60.1 | <0.002 | 0.02 | 1.05 | 9.2 | 1 | 2.3 | 141.5 | 0.87 | 0.06 | 10.50 | 0.431 | 0.50 | 2.4 |
| CC113945 | | 13.6 | 54.1 | <0.002 | 0.01 | 1.17 | 8.9 | 1 | 1.6 | 137.5 | 0.77 | 0.05 | 10.35 | 0.422 | 0.50 | 2.5 |
| CC113946 | | 14.2 | 57.0 | <0.002 | 0.02 | 1.01 | 8.1 | 1 | 1.9 | 133.0 | 0.77 | 0.06 | 9.30 | 0.397 | 0.50 | 2.1 |
| CC113947 | | 14.6 | 80.0 | <0.002 | 0.01 | 0.99 | 10.8 | 1 | 3.8 | 139.0 | 1.02 | 0.05 | 12.15 | 0.488 | 0.86 | 2.8 |
| CC113948 | | 16.1 | 71.6 | <0.002 | 0.02 | 1.21 | 10.7 | 1 | 3.0 | 137.5 | 0.92 | 0.05 | 10.45 | 0.438 | 0.72 | 2.6 |
| CC113949 | | 14.9 | 74.8 | <0.002 | 0.01 | 1.17 | 11.0 | <1 | 2.7 | 149.0 | 0.83 | 0.06 | 10.45 | 0.419 | 0.68 | 2.6 |
| CC113950 | | 17.2 | 70.2 | <0.002 | 0.02 | 1.18 | 10.7 | 1 | 2.5 | 144.0 | 0.83 | 0.05 | 10.50 | 0.408 | 0.68 | 2.5 |

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

| 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 |
| CC113943 | | 99 | 1.4 | 10.9 | 62 | 63.2 |
| CC113944 | | 108 | 1.6 | 12.2 | 67 | 72.3 |
| CC113945 | | 98 | 1.6 | 13.0 | 74 | 69.7 |
| CC113946 | | 95 | 1.4 | 11.4 | 76 | 62.1 |
| CC113947 | | 110 | 3.5 | 13.5 | 95 | 75.9 |
| CC113948 | | 126 | 2.9 | 11.8 | 85 | 71.9 |
| CC113949 | | 112 | 1.9 | 14.6 | 88 | 73.0 |
| CC113950 | | 117 | 1.9 | 12.5 | 100 | 69.2 |

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**Finalized Date: 18-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190238

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs 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 LOG-24 SCR-41 WEI-21

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

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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: 20-OCT-2020**
**Account: F**

# CERTIFICATE WH20190239

Project: BIX

This report is for 281 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-AUG-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| HEATHER BURRELL | MATT DUMALA | STEVE ISRAEL |
| JACK MORTON | SCOTT NEWMAN | LIZ SMITH |

## 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 |
| LOG-24 | Pulp Login - Rcd w/o Barcode |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | |
|---|---|---|
| ME-MS61 | 48 element four acid ICP-MS | |
| 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:**

Saa Traxler, General Manager, North Vancouver

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**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ115463 | | 0.41 | 0.003 | 0.08 | 6.19 | 15.9 | 940 | 1.49 | 0.94 | 0.70 | 0.23 | 77.5 | 9.2 | 68 | 6.53 | 44.1 |
| ZZ115464 | | 0.41 | 0.006 | 0.08 | 5.45 | 14.0 | 830 | 1.33 | 0.60 | 0.74 | 0.23 | 70.9 | 6.8 | 66 | 4.95 | 19.5 |
| ZZ115465 | | 0.47 | 0.004 | 0.24 | 6.81 | 22.9 | 1130 | 3.11 | 5.70 | 0.80 | 0.80 | 97.6 | 14.9 | 68 | 16.00 | 93.7 |
| ZZ115466 | | 0.42 | 0.003 | 0.14 | 6.14 | 29.4 | 960 | 1.67 | 2.08 | 0.91 | 0.60 | 88.6 | 10.1 | 66 | 6.99 | 37.5 |
| ZZ115467 | | 0.42 | 0.003 | 0.05 | 5.54 | 21.0 | 840 | 1.19 | 1.52 | 0.63 | 0.19 | 72.7 | 8.3 | 63 | 6.72 | 19.5 |
| ZZ115468 | | 0.44 | 0.001 | 0.04 | 7.15 | 32.7 | 850 | 1.75 | 2.45 | 0.41 | 0.20 | 102.0 | 9.7 | 64 | 11.85 | 48.9 |
| ZZ115469 | | 0.41 | 0.006 | 0.05 | 6.04 | 39.9 | 750 | 1.26 | 2.56 | 0.57 | 0.26 | 76.9 | 13.3 | 58 | 8.87 | 37.3 |
| ZZ115470 | | 0.36 | 0.003 | 0.11 | 6.66 | 23.1 | 870 | 1.39 | 1.34 | 0.58 | 0.23 | 80.2 | 13.9 | 64 | 10.65 | 44.7 |
| ZZ115471 | | 0.44 | 0.006 | 0.48 | 5.75 | 30.1 | 810 | 1.28 | 0.34 | 0.68 | 0.41 | 117.5 | 15.1 | 65 | 8.50 | 25.1 |
| ZZ115472 | | 0.38 | 0.015 | 0.04 | 5.37 | 24.1 | 770 | 1.00 | 0.48 | 0.73 | 0.41 | 70.4 | 8.8 | 62 | 5.23 | 21.4 |
| ZZ115473 | | 0.42 | 0.009 | 0.10 | 5.17 | 24.5 | 760 | 1.04 | 0.66 | 0.73 | 0.49 | 82.1 | 7.9 | 60 | 4.65 | 22.1 |
| ZZ115474 | | 0.39 | 0.012 | 0.18 | 5.22 | 20.5 | 760 | 1.14 | 0.40 | 0.82 | 0.41 | 87.0 | 9.6 | 64 | 3.32 | 34.7 |
| ZZ115475 | | 0.44 | 0.014 | 0.09 | 5.96 | 25.0 | 930 | 1.28 | 0.35 | 0.83 | 0.39 | 90.8 | 9.2 | 72 | 6.07 | 28.9 |
| ZZ115476 | | 0.39 | 0.007 | 0.37 | 5.67 | 37.2 | 870 | 1.35 | 0.42 | 0.83 | 0.77 | 71.9 | 12.2 | 64 | 12.75 | 28.8 |
| ZZ115477 | | 0.41 | 0.006 | 0.08 | 5.78 | 31.1 | 820 | 1.10 | 0.60 | 0.68 | 0.29 | 74.6 | 7.0 | 69 | 5.21 | 22.3 |
| ZZ115478 | | 0.39 | 0.005 | 0.06 | 5.43 | 23.5 | 730 | 1.19 | 1.07 | 0.56 | 0.35 | 72.3 | 7.4 | 64 | 4.85 | 19.0 |
| ZZ115479 | | 0.44 | 0.007 | 0.16 | 6.36 | 26.6 | 920 | 1.39 | 0.52 | 0.72 | 0.36 | 85.2 | 11.6 | 72 | 6.56 | 34.5 |
| ZZ115480 | | 0.41 | 0.003 | 0.02 | 6.09 | 22.1 | 820 | 1.14 | 0.47 | 0.67 | 0.21 | 63.6 | 9.7 | 72 | 5.33 | 22.7 |
| ZZ115481 | | 0.39 | 0.010 | 0.11 | 5.32 | 26.8 | 750 | 1.16 | 0.78 | 0.76 | 0.35 | 80.6 | 9.8 | 60 | 4.38 | 27.5 |
| ZZ115482 | | 0.42 | 0.004 | 0.08 | 6.28 | 26.1 | 840 | 1.37 | 0.91 | 0.59 | 0.37 | 77.1 | 9.4 | 66 | 8.37 | 29.6 |
| ZZ115483 | | 0.39 | 0.004 | 0.08 | 5.39 | 20.4 | 780 | 1.09 | 0.41 | 0.70 | 0.22 | 65.8 | 7.8 | 67 | 4.37 | 19.6 |
| ZZ115484 | | 0.47 | 0.004 | 0.07 | 5.83 | 18.9 | 790 | 1.33 | 1.44 | 0.63 | 0.19 | 60.9 | 6.7 | 73 | 6.32 | 21.9 |
| ZZ115485 | | 0.37 | 0.010 | 0.08 | 5.54 | 20.3 | 740 | 1.49 | 1.18 | 0.63 | 0.53 | 69.1 | 25.0 | 68 | 7.88 | 30.3 |
| ZZ115486 | | 0.47 | 0.004 | 0.10 | 5.72 | 16.1 | 760 | 1.38 | 0.77 | 0.61 | 0.32 | 68.2 | 7.1 | 78 | 13.55 | 20.1 |
| ZZ115487 | | 0.54 | 0.015 | 0.18 | 4.89 | 15.2 | 890 | 1.62 | 1.03 | 1.05 | 0.57 | 107.0 | 9.8 | 67 | 3.37 | 44.8 |
| ZZ115488 | | 0.40 | 0.002 | 0.09 | 5.23 | 14.4 | 770 | 1.26 | 1.18 | 0.76 | 0.15 | 70.7 | 5.4 | 69 | 5.31 | 20.9 |
| ZZ115489 | | 0.42 | 0.018 | 0.18 | 5.34 | 16.3 | 840 | 1.46 | 0.97 | 0.90 | 0.26 | 92.6 | 10.4 | 65 | 4.36 | 37.5 |
| ZZ115490 | | 0.54 | 0.006 | 0.14 | 5.47 | 26.8 | 830 | 1.59 | 1.34 | 0.82 | 0.15 | 90.6 | 7.4 | 69 | 5.95 | 31.3 |
| ZZ115491 | | 0.44 | 0.005 | 0.16 | 5.22 | 29.5 | 820 | 1.51 | 1.27 | 0.80 | 0.20 | 83.6 | 7.8 | 63 | 5.69 | 42.3 |
| ZZ115492 | | 0.44 | 0.007 | 0.10 | 5.50 | 40.2 | 800 | 1.68 | 1.89 | 0.78 | 0.20 | 88.7 | 8.4 | 65 | 7.12 | 52.9 |
| ZZ115493 | | 0.49 | 0.003 | 0.10 | 5.57 | 39.5 | 850 | 1.63 | 1.00 | 0.73 | 0.20 | 70.8 | 7.9 | 67 | 7.41 | 69.5 |
| ZZ115494 | | 0.41 | 0.001 | 0.23 | 5.84 | 15.5 | 840 | 1.76 | 2.13 | 0.72 | 0.31 | 67.9 | 9.2 | 68 | 14.40 | 42.2 |
| ZZ115495 | | 0.42 | 0.004 | 0.16 | 5.76 | 19.8 | 850 | 1.54 | 1.90 | 0.71 | 0.44 | 76.9 | 9.4 | 70 | 11.30 | 42.2 |
| ZZ115496 | | 0.38 | 0.003 | 0.24 | 5.07 | 12.4 | 760 | 1.50 | 3.60 | 0.71 | 0.49 | 59.1 | 7.5 | 63 | 16.60 | 40.1 |
| ZZ115497 | | 0.44 | 0.004 | 0.17 | 6.06 | 16.7 | 910 | 2.03 | 1.88 | 0.73 | 0.28 | 78.5 | 8.5 | 68 | 12.80 | 45.6 |
| ZZ115498 | | 0.45 | 0.011 | 0.15 | 5.42 | 16.1 | 850 | 1.89 | 2.46 | 0.85 | 0.34 | 83.5 | 9.5 | 63 | 7.99 | 46.4 |
| ZZ115499 | | 0.41 | 0.010 | 0.18 | 5.68 | 16.8 | 860 | 1.74 | 1.86 | 0.76 | 0.32 | 79.7 | 9.2 | 67 | 8.78 | 39.5 |
| ZZ115500 | | 0.40 | 0.007 | 0.10 | 5.10 | 16.9 | 760 | 1.49 | 1.50 | 0.86 | 0.28 | 90.9 | 10.4 | 67 | 5.38 | 39.3 |
| ZZ124919 | | 0.44 | 0.001 | 0.32 | 8.59 | 17.0 | 800 | 3.47 | 3.89 | 0.49 | 0.36 | 138.0 | 7.7 | 63 | 41.3 | 80.8 |
| ZZ124920 | | 0.55 | 0.002 | 0.10 | 5.87 | 12.3 | 840 | 2.13 | 3.28 | 0.61 | 0.24 | 69.7 | 7.7 | 59 | 15.85 | 52.7 |

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

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**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ115463 | | 3.38 | 13.95 | 0.14 | 2.0 | 0.102 | 1.36 | 35.3 | 33.9 | 0.76 | 449 | 1.25 | 0.95 | 11.2 | 25.1 | 940 |
| ZZ115464 | | 3.16 | 12.85 | 0.13 | 2.0 | 0.081 | 1.24 | 35.5 | 26.3 | 0.66 | 372 | 1.19 | 0.95 | 11.5 | 18.1 | 860 |
| ZZ115465 | | 4.14 | 16.10 | 0.15 | 2.3 | 0.274 | 1.77 | 46.7 | 39.0 | 0.76 | 850 | 1.06 | 0.92 | 11.8 | 37.0 | 970 |
| ZZ115466 | | 3.36 | 14.85 | 0.14 | 2.2 | 0.179 | 1.54 | 44.5 | 31.0 | 0.71 | 539 | 1.12 | 1.11 | 13.0 | 25.4 | 790 |
| ZZ115467 | | 3.13 | 13.50 | 0.15 | 2.2 | 0.066 | 1.35 | 36.0 | 23.7 | 0.63 | 443 | 1.22 | 0.93 | 12.6 | 18.2 | 880 |
| ZZ115468 | | 3.98 | 16.80 | 0.17 | 2.5 | 0.081 | 1.96 | 51.9 | 35.5 | 0.75 | 437 | 1.28 | 0.90 | 13.8 | 23.9 | 560 |
| ZZ115469 | | 3.37 | 12.75 | 0.14 | 2.0 | 0.069 | 1.40 | 37.2 | 29.3 | 0.60 | 664 | 1.06 | 0.90 | 11.6 | 22.9 | 770 |
| ZZ115470 | | 3.64 | 14.30 | 0.14 | 1.9 | 0.057 | 1.59 | 39.8 | 41.9 | 0.71 | 515 | 1.03 | 0.92 | 11.0 | 29.7 | 670 |
| ZZ115471 | | 3.39 | 13.50 | 0.16 | 2.5 | 0.064 | 1.46 | 56.6 | 35.0 | 0.65 | 793 | 1.05 | 0.91 | 12.3 | 27.0 | 840 |
| ZZ115472 | | 3.13 | 12.45 | 0.15 | 2.0 | 0.061 | 1.20 | 34.6 | 24.4 | 0.61 | 472 | 1.05 | 0.95 | 11.5 | 19.6 | 950 |
| ZZ115473 | | 3.06 | 11.10 | 0.13 | 2.0 | 0.078 | 1.18 | 41.8 | 22.2 | 0.60 | 476 | 0.91 | 0.91 | 11.6 | 18.9 | 860 |
| ZZ115474 | | 3.15 | 11.45 | 0.14 | 2.2 | 0.060 | 1.20 | 42.1 | 22.2 | 0.65 | 536 | 0.97 | 0.99 | 12.7 | 25.3 | 900 |
| ZZ115475 | | 3.55 | 14.20 | 0.16 | 2.4 | 0.064 | 1.33 | 45.1 | 26.9 | 0.73 | 540 | 1.32 | 1.03 | 13.8 | 24.7 | 980 |
| ZZ115476 | | 3.32 | 12.25 | 0.13 | 2.0 | 0.070 | 1.23 | 36.0 | 36.7 | 0.69 | 755 | 0.98 | 0.99 | 10.4 | 27.9 | 1310 |
| ZZ115477 | | 3.10 | 14.50 | 0.12 | 2.4 | 0.085 | 1.35 | 37.1 | 25.7 | 0.65 | 338 | 1.12 | 0.90 | 13.5 | 19.6 | 940 |
| ZZ115478 | | 2.94 | 13.15 | 0.13 | 1.9 | 0.065 | 1.20 | 35.5 | 25.1 | 0.54 | 325 | 0.93 | 0.78 | 13.5 | 20.1 | 780 |
| ZZ115479 | | 3.55 | 14.50 | 0.15 | 2.4 | 0.070 | 1.44 | 42.9 | 28.6 | 0.74 | 555 | 1.20 | 0.99 | 12.4 | 27.7 | 800 |
| ZZ115480 | | 3.60 | 14.20 | 0.11 | 2.1 | 0.072 | 1.27 | 32.0 | 25.2 | 0.74 | 504 | 1.21 | 0.95 | 11.8 | 20.9 | 790 |
| ZZ115481 | | 3.09 | 11.60 | 0.14 | 2.2 | 0.065 | 1.19 | 39.4 | 24.7 | 0.63 | 510 | 0.85 | 0.90 | 12.2 | 23.8 | 920 |
| ZZ115482 | | 3.39 | 13.70 | 0.13 | 2.1 | 0.086 | 1.56 | 38.9 | 31.8 | 0.65 | 486 | 0.94 | 0.82 | 12.8 | 20.4 | 680 |
| ZZ115483 | | 2.99 | 14.15 | 0.10 | 2.0 | 0.080 | 1.25 | 33.3 | 26.9 | 0.63 | 395 | 1.40 | 0.90 | 13.3 | 18.4 | 690 |
| ZZ115484 | | 3.17 | 15.90 | 0.11 | 2.1 | 0.105 | 1.37 | 31.1 | 28.2 | 0.65 | 376 | 1.26 | 0.88 | 13.2 | 18.1 | 930 |
| ZZ115485 | | 3.64 | 14.70 | 0.12 | 1.8 | 0.133 | 1.32 | 36.0 | 29.0 | 0.63 | 1560 | 1.42 | 0.84 | 12.0 | 21.2 | 1040 |
| ZZ115486 | | 2.85 | 16.80 | 0.12 | 2.0 | 0.109 | 1.35 | 34.7 | 32.2 | 0.60 | 442 | 1.07 | 0.83 | 13.8 | 19.2 | 1030 |
| ZZ115487 | | 3.17 | 12.15 | 0.17 | 2.4 | 0.083 | 1.24 | 53.2 | 24.7 | 0.66 | 573 | 1.15 | 0.99 | 14.3 | 31.0 | 920 |
| ZZ115488 | | 2.95 | 13.85 | 0.14 | 2.1 | 0.084 | 1.26 | 35.3 | 25.9 | 0.64 | 278 | 1.06 | 0.96 | 13.8 | 16.5 | 890 |
| ZZ115489 | | 3.07 | 12.50 | 0.13 | 2.1 | 0.097 | 1.28 | 44.8 | 27.5 | 0.67 | 529 | 0.93 | 1.05 | 13.7 | 27.6 | 930 |
| ZZ115490 | | 3.06 | 14.35 | 0.16 | 2.3 | 0.114 | 1.29 | 44.8 | 29.4 | 0.69 | 382 | 1.14 | 0.99 | 14.7 | 19.8 | 770 |
| ZZ115491 | | 2.88 | 13.50 | 0.14 | 2.2 | 0.122 | 1.27 | 40.7 | 28.3 | 0.65 | 391 | 1.00 | 0.96 | 13.2 | 19.8 | 790 |
| ZZ115492 | | 3.16 | 13.70 | 0.15 | 2.3 | 0.141 | 1.30 | 43.8 | 32.7 | 0.65 | 412 | 1.06 | 0.93 | 18.5 | 21.2 | 860 |
| ZZ115493 | | 3.13 | 14.00 | 0.14 | 2.0 | 0.093 | 1.30 | 36.8 | 33.7 | 0.69 | 377 | 1.05 | 0.99 | 11.5 | 20.8 | 740 |
| ZZ115494 | | 3.24 | 15.90 | 0.14 | 2.2 | 0.196 | 1.33 | 35.1 | 34.6 | 0.73 | 505 | 1.67 | 0.90 | 12.3 | 21.4 | 1010 |
| ZZ115495 | | 3.45 | 15.50 | 0.13 | 2.1 | 0.172 | 1.37 | 38.3 | 32.9 | 0.72 | 506 | 1.75 | 0.91 | 12.6 | 22.1 | 1080 |
| ZZ115496 | | 2.97 | 14.35 | 0.10 | 1.7 | 0.276 | 1.23 | 30.1 | 28.7 | 0.57 | 682 | 1.74 | 0.74 | 11.0 | 19.1 | 1380 |
| ZZ115497 | | 3.42 | 15.60 | 0.14 | 2.1 | 0.155 | 1.53 | 40.1 | 38.6 | 0.73 | 438 | 1.18 | 0.98 | 12.6 | 23.3 | 770 |
| ZZ115498 | | 3.18 | 13.55 | 0.14 | 1.9 | 0.129 | 1.37 | 41.3 | 31.4 | 0.66 | 502 | 1.07 | 0.99 | 12.6 | 23.6 | 850 |
| ZZ115499 | | 3.30 | 14.70 | 0.13 | 2.1 | 0.111 | 1.39 | 39.5 | 31.7 | 0.68 | 501 | 1.18 | 0.98 | 13.4 | 21.6 | 880 |
| ZZ115500 | | 3.28 | 12.70 | 0.14 | 2.2 | 0.097 | 1.18 | 43.3 | 24.9 | 0.66 | 586 | 1.05 | 0.95 | 13.5 | 22.3 | 1020 |
| ZZ124919 | | 3.26 | 23.3 | 0.20 | 2.0 | 0.624 | 2.64 | 68.0 | 91.5 | 0.61 | 265 | 0.86 | 0.45 | 16.4 | 16.5 | 600 |
| ZZ124920 | | 3.36 | 16.00 | 0.13 | 1.8 | 0.314 | 1.58 | 33.7 | 41.1 | 0.63 | 404 | 0.98 | 0.83 | 12.0 | 19.2 | 520 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ115463 | | 15.5 | 76.3 | <0.002 | 0.02 | 1.18 | 12.3 | 1 | 4.5 | 135.0 | 0.73 | <0.05 | 11.75 | 0.399 | 0.84 | 3.5 |
| ZZ115464 | | 15.0 | 62.8 | <0.002 | 0.02 | 1.01 | 10.4 | <1 | 2.9 | 135.5 | 0.76 | <0.05 | 10.40 | 0.429 | 0.61 | 2.7 |
| ZZ115465 | | 22.2 | 116.5 | <0.002 | 0.03 | 0.92 | 11.2 | 1 | 23.4 | 154.5 | 0.87 | 0.05 | 15.55 | 0.421 | 1.24 | 3.4 |
| ZZ115466 | | 16.2 | 85.7 | <0.002 | 0.03 | 1.06 | 11.2 | 1 | 8.0 | 166.5 | 0.84 | <0.05 | 14.20 | 0.435 | 0.80 | 3.0 |
| ZZ115467 | | 14.0 | 78.1 | <0.002 | 0.03 | 1.04 | 10.6 | 1 | 4.6 | 132.5 | 0.80 | <0.05 | 10.65 | 0.415 | 0.77 | 2.7 |
| ZZ115468 | | 16.5 | 107.5 | <0.002 | 0.06 | 0.99 | 12.1 | 1 | 4.4 | 131.5 | 0.99 | <0.05 | 16.85 | 0.440 | 1.13 | 3.1 |
| ZZ115469 | | 15.3 | 75.6 | <0.002 | 0.03 | 1.04 | 9.7 | 1 | 2.8 | 123.5 | 0.73 | 0.05 | 12.45 | 0.415 | 0.81 | 2.7 |
| ZZ115470 | | 15.5 | 80.3 | <0.002 | 0.02 | 1.03 | 11.0 | 1 | 2.5 | 130.0 | 0.72 | <0.05 | 11.80 | 0.393 | 0.87 | 2.8 |
| ZZ115471 | | 21.3 | 74.3 | 0.002 | 0.03 | 1.27 | 10.8 | 1 | 2.1 | 141.0 | 0.79 | <0.05 | 14.45 | 0.452 | 0.65 | 3.3 |
| ZZ115472 | | 15.1 | 60.9 | 0.002 | 0.02 | 1.05 | 9.9 | 1 | 2.1 | 139.0 | 0.80 | <0.05 | 10.25 | 0.453 | 0.59 | 2.5 |
| ZZ115473 | | 13.9 | 57.2 | <0.002 | 0.01 | 1.01 | 9.2 | 1 | 2.4 | 130.0 | 0.80 | <0.05 | 11.45 | 0.469 | 0.58 | 2.5 |
| ZZ115474 | | 14.0 | 56.4 | <0.002 | 0.01 | 1.20 | 10.6 | 1 | 2.0 | 148.0 | 0.82 | <0.05 | 11.95 | 0.484 | 0.56 | 2.9 |
| ZZ115475 | | 17.3 | 68.8 | <0.002 | 0.02 | 1.28 | 12.3 | 1 | 2.3 | 156.5 | 0.89 | <0.05 | 13.30 | 0.493 | 0.71 | 3.2 |
| ZZ115476 | | 16.2 | 63.3 | <0.002 | 0.01 | 1.12 | 10.7 | 1 | 2.0 | 151.5 | 0.69 | <0.05 | 11.20 | 0.402 | 0.61 | 2.6 |
| ZZ115477 | | 15.9 | 70.0 | 0.002 | 0.02 | 1.13 | 11.2 | 1 | 2.8 | 134.0 | 0.89 | <0.05 | 10.95 | 0.464 | 0.77 | 2.9 |
| ZZ115478 | | 14.7 | 57.2 | <0.002 | 0.02 | 1.01 | 10.2 | 1 | 2.7 | 112.5 | 0.86 | <0.05 | 9.97 | 0.447 | 0.72 | 2.3 |
| ZZ115479 | | 16.6 | 72.1 | <0.002 | 0.02 | 1.23 | 12.4 | <1 | 2.8 | 147.0 | 0.82 | <0.05 | 11.90 | 0.439 | 0.76 | 3.0 |
| ZZ115480 | | 17.0 | 63.6 | <0.002 | 0.02 | 1.18 | 11.5 | 1 | 2.4 | 135.0 | 0.74 | <0.05 | 9.87 | 0.424 | 0.65 | 2.4 |
| ZZ115481 | | 14.5 | 60.5 | <0.002 | 0.02 | 1.10 | 9.8 | 1 | 2.4 | 134.0 | 0.79 | <0.05 | 11.70 | 0.442 | 0.54 | 2.5 |
| ZZ115482 | | 15.2 | 82.2 | <0.002 | 0.02 | 0.96 | 10.2 | 1 | 4.2 | 114.5 | 0.88 | <0.05 | 12.60 | 0.482 | 0.88 | 2.6 |
| ZZ115483 | | 16.0 | 63.6 | <0.002 | 0.02 | 1.17 | 10.2 | 1 | 2.6 | 131.5 | 0.89 | <0.05 | 9.68 | 0.451 | 0.62 | 2.3 |
| ZZ115484 | | 15.1 | 82.9 | <0.002 | 0.02 | 1.01 | 10.6 | 1 | 4.7 | 128.0 | 0.88 | <0.05 | 9.66 | 0.454 | 0.73 | 2.3 |
| ZZ115485 | | 17.0 | 78.8 | <0.002 | 0.02 | 1.06 | 9.4 | 1 | 4.5 | 122.5 | 0.86 | <0.05 | 13.60 | 0.411 | 0.73 | 2.4 |
| ZZ115486 | | 14.9 | 77.3 | <0.002 | 0.03 | 0.83 | 10.6 | 1 | 6.8 | 121.0 | 0.90 | <0.05 | 10.15 | 0.445 | 0.91 | 2.5 |
| ZZ115487 | | 12.8 | 60.2 | <0.002 | 0.01 | 1.29 | 10.2 | 1 | 3.9 | 162.0 | 1.00 | <0.05 | 14.10 | 0.506 | 0.51 | 3.6 |
| ZZ115488 | | 15.4 | 64.6 | <0.002 | 0.02 | 0.97 | 9.6 | 1 | 4.2 | 137.5 | 1.09 | <0.05 | 10.65 | 0.461 | 0.63 | 3.0 |
| ZZ115489 | | 13.2 | 66.3 | <0.002 | 0.01 | 1.15 | 9.8 | 1 | 3.7 | 157.5 | 1.02 | <0.05 | 12.80 | 0.469 | 0.62 | 3.2 |
| ZZ115490 | | 15.6 | 73.1 | <0.002 | 0.01 | 1.15 | 10.9 | 1 | 4.8 | 145.5 | 1.12 | <0.05 | 13.45 | 0.476 | 0.79 | 4.0 |
| ZZ115491 | | 14.1 | 70.1 | <0.002 | 0.02 | 1.05 | 10.3 | 1 | 5.3 | 143.0 | 0.97 | <0.05 | 11.90 | 0.429 | 0.69 | 3.8 |
| ZZ115492 | | 16.0 | 74.3 | <0.002 | 0.02 | 1.05 | 10.0 | 1 | 5.8 | 136.0 | 2.17 | 0.05 | 14.10 | 0.461 | 0.78 | 5.7 |
| ZZ115493 | | 14.3 | 71.1 | <0.002 | 0.02 | 0.97 | 10.2 | 1 | 4.4 | 139.5 | 0.80 | 0.05 | 10.20 | 0.403 | 0.69 | 2.7 |
| ZZ115494 | | 17.0 | 81.7 | <0.002 | 0.04 | 1.05 | 10.6 | 1 | 12.3 | 136.5 | 0.83 | <0.05 | 9.76 | 0.390 | 1.00 | 2.6 |
| ZZ115495 | | 14.9 | 84.3 | <0.002 | 0.06 | 1.08 | 10.4 | 1 | 8.7 | 137.5 | 0.81 | 0.07 | 11.40 | 0.421 | 0.90 | 2.8 |
| ZZ115496 | | 14.5 | 86.0 | <0.002 | 0.07 | 0.94 | 8.7 | 1 | 16.6 | 119.5 | 0.73 | <0.05 | 9.07 | 0.359 | 0.97 | 2.4 |
| ZZ115497 | | 17.3 | 95.7 | <0.002 | 0.04 | 1.09 | 10.8 | 1 | 8.1 | 140.5 | 0.84 | 0.05 | 12.20 | 0.403 | 1.04 | 2.8 |
| ZZ115498 | | 15.7 | 78.8 | <0.002 | 0.03 | 1.10 | 9.8 | 1 | 7.8 | 145.5 | 0.86 | <0.05 | 12.25 | 0.425 | 0.76 | 2.8 |
| ZZ115499 | | 17.3 | 84.8 | <0.002 | 0.03 | 1.10 | 10.4 | 1 | 5.8 | 144.0 | 0.88 | <0.05 | 12.20 | 0.434 | 0.89 | 3.2 |
| ZZ115500 | | 14.1 | 63.4 | <0.002 | 0.02 | 1.09 | 9.5 | 1 | 4.2 | 142.0 | 0.93 | <0.05 | 12.65 | 0.484 | 0.61 | 3.1 |
| ZZ124919 | | 22.1 | 283 | <0.002 | 0.11 | 1.96 | 12.1 | 1 | 40.4 | 93.7 | 1.12 | <0.05 | 22.6 | 0.476 | 4.23 | 3.5 |
| ZZ124920 | | 40.7 | 107.0 | 0.002 | 0.04 | 1.16 | 9.4 | 1 | 18.8 | 119.5 | 0.78 | <0.05 | 11.85 | 0.365 | 1.66 | 2.4 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ115463 | | 118 | 2.6 | 14.4 | 95 | 65.4 |
| ZZ115464 | | 119 | 1.8 | 12.9 | 75 | 69.2 |
| ZZ115465 | | 105 | 5.8 | 16.5 | 213 | 70.2 |
| ZZ115466 | | 107 | 3.6 | 15.9 | 151 | 78.1 |
| ZZ115467 | | 112 | 1.5 | 12.6 | 62 | 75.9 |
| ZZ115468 | | 102 | 2.1 | 11.3 | 85 | 86.5 |
| ZZ115469 | | 97 | 1.9 | 11.7 | 85 | 72.1 |
| ZZ115470 | | 101 | 2.6 | 12.7 | 96 | 66.5 |
| ZZ115471 | | 99 | 1.4 | 17.0 | 102 | 85.8 |
| ZZ115472 | | 108 | 1.6 | 12.4 | 88 | 69.1 |
| ZZ115473 | | 105 | 1.8 | 12.5 | 101 | 70.6 |
| ZZ115474 | | 103 | 1.7 | 15.6 | 98 | 75.5 |
| ZZ115475 | | 124 | 2.2 | 18.4 | 102 | 83.6 |
| ZZ115476 | | 104 | 3.2 | 16.1 | 138 | 67.2 |
| ZZ115477 | | 122 | 2.2 | 12.6 | 81 | 83.8 |
| ZZ115478 | | 101 | 5.9 | 12.3 | 84 | 65.6 |
| ZZ115479 | | 115 | 2.3 | 17.5 | 107 | 75.6 |
| ZZ115480 | | 122 | 2.0 | 12.4 | 86 | 83.1 |
| ZZ115481 | | 97 | 2.7 | 14.2 | 100 | 73.3 |
| ZZ115482 | | 106 | 3.4 | 11.6 | 122 | 71.4 |
| ZZ115483 | | 111 | 2.0 | 11.6 | 75 | 66.9 |
| ZZ115484 | | 120 | 5.3 | 11.5 | 76 | 71.4 |
| ZZ115485 | | 102 | 8.8 | 11.8 | 110 | 56.6 |
| ZZ115486 | | 111 | 4.4 | 11.8 | 85 | 68.5 |
| ZZ115487 | | 115 | 9.7 | 23.8 | 91 | 80.1 |
| ZZ115488 | | 113 | 3.8 | 12.2 | 59 | 71.4 |
| ZZ115489 | | 101 | 4.0 | 15.7 | 88 | 71.3 |
| ZZ115490 | | 110 | 4.7 | 16.2 | 70 | 74.9 |
| ZZ115491 | | 105 | 5.2 | 16.3 | 73 | 95.7 |
| ZZ115492 | | 104 | 8.8 | 18.2 | 82 | 72.5 |
| ZZ115493 | | 109 | 3.4 | 14.4 | 89 | 69.1 |
| ZZ115494 | | 113 | 5.6 | 12.7 | 106 | 66.5 |
| ZZ115495 | | 116 | 2.7 | 13.3 | 121 | 68.9 |
| ZZ115496 | | 97 | 4.3 | 10.9 | 122 | 66.5 |
| ZZ115497 | | 106 | 6.5 | 14.1 | 96 | 66.5 |
| ZZ115498 | | 102 | 8.7 | 15.0 | 98 | 68.5 |
| ZZ115499 | | 109 | 4.3 | 14.5 | 85 | 72.0 |
| ZZ115500 | | 108 | 10.4 | 15.4 | 83 | 74.0 |
| ZZ124919 | | 91 | 45.6 | 15.2 | 107 | 64.6 |
| ZZ124920 | | 95 | 20.7 | 11.2 | 127 | 60.6 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124921 | | 0.40 | 0.003 | 0.24 | 5.90 | 14.2 | 910 | 1.68 | 3.03 | 0.87 | 0.41 | 73.6 | 8.5 | 70 | 11.75 | 58.5 |
| ZZ124922 | | 0.37 | 0.005 | 0.31 | 5.54 | 15.3 | 900 | 1.72 | 7.01 | 0.88 | 0.22 | 69.1 | 10.6 | 78 | 15.25 | 68.3 |
| ZZ124923 | | 0.41 | 0.004 | 0.42 | 6.26 | 14.7 | 1030 | 1.85 | 3.12 | 0.92 | 0.26 | 74.0 | 11.3 | 68 | 7.78 | 59.2 |
| ZZ124924 | | 0.41 | 0.002 | 0.17 | 6.43 | 35.8 | 930 | 1.97 | 5.03 | 0.71 | 0.28 | 83.6 | 9.0 | 66 | 17.85 | 74.3 |
| ZZ124925 | | 0.39 | 0.018 | 0.85 | 8.26 | 60.1 | 900 | 3.62 | 23.4 | 0.72 | 3.69 | 84.1 | 11.7 | 75 | 45.8 | 161.0 |
| ZZ124926 | | 0.47 | 0.006 | 0.77 | 6.56 | 17.8 | 810 | 3.30 | 9.23 | 0.85 | 1.12 | 108.5 | 13.4 | 69 | 26.1 | 205 |
| ZZ124927 | | 0.41 | 0.003 | 0.45 | 5.32 | 44.4 | 760 | 1.57 | 6.67 | 0.69 | 0.18 | 65.4 | 6.0 | 61 | 10.70 | 53.9 |
| ZZ124928 | | 0.35 | 0.004 | 0.13 | 5.14 | 17.7 | 750 | 1.31 | 2.13 | 0.75 | 0.18 | 72.2 | 6.0 | 66 | 8.18 | 37.0 |
| ZZ124929 | | 0.38 | 0.012 | 0.13 | 5.04 | 23.9 | 720 | 1.09 | 1.38 | 0.76 | 0.13 | 80.8 | 6.2 | 63 | 4.41 | 39.3 |
| ZZ124930 | | 0.40 | 0.003 | 0.07 | 4.48 | 12.8 | 640 | 0.93 | 0.97 | 0.65 | 0.08 | 60.8 | 4.4 | 55 | 3.27 | 24.7 |
| ZZ124931 | | 0.41 | 0.013 | 0.09 | 4.70 | 13.7 | 680 | 1.18 | 0.99 | 0.70 | 0.12 | 69.4 | 8.5 | 58 | 3.87 | 31.6 |
| ZZ124932 | | 0.42 | 0.004 | 0.11 | 5.42 | 16.9 | 820 | 1.44 | 1.16 | 0.81 | 0.20 | 75.6 | 10.1 | 69 | 5.12 | 43.4 |
| ZZ124933 | | 0.43 | 0.012 | 0.18 | 5.18 | 13.8 | 860 | 1.55 | 0.83 | 1.08 | 0.33 | 90.6 | 10.1 | 64 | 3.65 | 34.8 |
| ZZ124934 | | 0.54 | 0.005 | 0.25 | 5.03 | 20.7 | 740 | 1.33 | 1.59 | 0.88 | 0.32 | 80.1 | 9.0 | 59 | 3.29 | 48.2 |
| ZZ124935 | | 0.34 | 0.003 | 0.12 | 5.21 | 17.4 | 760 | 1.38 | 1.06 | 0.77 | 0.26 | 70.7 | 14.8 | 62 | 5.13 | 23.7 |
| ZZ124936 | | 0.41 | 0.003 | 0.05 | 5.76 | 16.6 | 790 | 1.73 | 0.66 | 0.74 | 0.21 | 68.8 | 10.5 | 61 | 6.48 | 32.9 |
| ZZ124937 | | 0.42 | 0.003 | 0.05 | 4.79 | 17.2 | 750 | 1.38 | 0.33 | 0.84 | 0.26 | 96.4 | 11.9 | 57 | 2.83 | 27.1 |
| ZZ124938 | | 0.42 | 0.008 | 0.03 | 5.31 | 14.2 | 800 | 1.37 | 0.41 | 0.75 | 0.24 | 67.9 | 10.4 | 58 | 3.42 | 21.3 |
| ZZ124939 | | 0.43 | 0.006 | 0.06 | 5.04 | 17.3 | 710 | 1.30 | 1.16 | 0.69 | 0.31 | 67.9 | 12.3 | 58 | 3.60 | 21.8 |
| ZZ124940 | | 0.46 | 0.009 | 0.04 | 5.37 | 15.4 | 730 | 1.47 | 1.32 | 0.78 | 0.27 | 80.9 | 10.0 | 67 | 4.41 | 30.6 |
| ZZ124941 | | 0.36 | 0.015 | 0.05 | 5.13 | 18.7 | 710 | 1.31 | 0.77 | 0.74 | 0.32 | 80.5 | 14.1 | 64 | 4.02 | 21.2 |
| ZZ124942 | | 0.39 | 0.005 | 0.04 | 4.67 | 17.7 | 690 | 1.16 | 0.32 | 0.72 | 0.38 | 72.0 | 20.3 | 61 | 3.39 | 21.2 |
| ZZ124943 | | 0.45 | 0.006 | 0.44 | 6.24 | 31.7 | 830 | 1.89 | 0.88 | 0.60 | 0.33 | 96.7 | 9.2 | 64 | 12.70 | 32.9 |
| ZZ124944 | | 0.40 | 0.003 | 0.10 | 4.10 | 14.3 | 600 | 1.02 | 0.17 | 0.73 | 0.22 | 56.9 | 9.7 | 40 | 1.59 | 20.7 |
| ZZ124945 | | 0.43 | 0.005 | 0.16 | 6.56 | 41.1 | 860 | 2.25 | 6.12 | 0.39 | 0.38 | 93.4 | 16.2 | 60 | 10.70 | 55.8 |
| ZZ124946 | | 0.40 | 0.005 | 0.08 | 5.72 | 22.8 | 800 | 1.68 | 1.37 | 0.55 | 0.45 | 75.9 | 11.1 | 64 | 12.80 | 31.4 |
| ZZ124947 | | 0.41 | 0.002 | 0.08 | 5.28 | 22.0 | 750 | 1.12 | 0.94 | 0.63 | 0.32 | 64.9 | 8.1 | 61 | 4.12 | 18.6 |
| ZZ124948 | | 0.43 | 0.003 | 0.04 | 5.61 | 24.8 | 830 | 1.36 | 0.96 | 0.71 | 0.28 | 74.3 | 11.9 | 61 | 3.79 | 24.9 |
| ZZ124949 | | 0.47 | 0.003 | 0.06 | 7.42 | 27.8 | 900 | 1.76 | 2.17 | 0.48 | 0.27 | 91.4 | 9.9 | 76 | 7.39 | 33.3 |
| ZZ124950 | | 0.50 | 0.004 | 0.10 | 7.03 | 37.5 | 880 | 1.78 | 2.53 | 0.51 | 0.21 | 89.5 | 8.0 | 70 | 7.17 | 32.0 |
| ZZ124951 | | 0.47 | 0.001 | 0.19 | 8.33 | 25.7 | 940 | 2.07 | 2.41 | 0.34 | 0.31 | 123.0 | 7.4 | 81 | 8.66 | 37.5 |
| ZZ124952 | | 0.42 | 0.004 | 0.15 | 7.34 | 40.3 | 980 | 1.70 | 2.14 | 0.56 | 0.43 | 88.0 | 9.3 | 81 | 7.39 | 38.3 |
| ZZ124953 | | 0.47 | 0.002 | 0.05 | 5.84 | 19.5 | 860 | 1.39 | 0.54 | 0.72 | 0.21 | 69.5 | 10.4 | 65 | 3.52 | 26.5 |
| ZZ124954 | | 0.45 | 0.005 | 0.05 | 5.98 | 28.8 | 840 | 1.31 | 1.37 | 0.57 | 0.24 | 75.6 | 7.8 | 69 | 7.01 | 28.5 |
| ZZ124955 | | 0.42 | 0.001 | 0.08 | 5.60 | 21.9 | 790 | 1.51 | 0.99 | 0.59 | 0.32 | 70.5 | 12.8 | 66 | 13.30 | 27.7 |
| ZZ124956 | | 0.41 | 0.005 | 0.04 | 4.76 | 16.7 | 680 | 1.23 | 0.52 | 0.61 | 0.20 | 63.4 | 7.0 | 57 | 5.31 | 19.3 |
| ZZ124957 | | 0.44 | 0.009 | 0.05 | 4.06 | 15.6 | 620 | 1.05 | 0.30 | 0.74 | 0.25 | 72.6 | 9.9 | 46 | 2.27 | 22.5 |
| ZZ124958 | | 0.40 | 0.001 | 0.09 | 5.34 | 15.4 | 710 | 1.33 | 1.11 | 0.64 | 0.22 | 63.2 | 10.4 | 58 | 6.14 | 28.8 |
| ZZ124959 | | 0.53 | 0.002 | 0.18 | 5.09 | 17.1 | 750 | 1.64 | 1.59 | 0.70 | 0.49 | 78.4 | 9.1 | 52 | 5.34 | 40.5 |
| ZZ124960 | | 0.46 | 0.004 | 0.26 | 6.06 | 39.8 | 840 | 1.61 | 0.94 | 0.72 | 0.40 | 88.5 | 14.7 | 66 | 9.66 | 33.8 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124921 | | 3.34 | 15.10 | 0.13 | 2.0 | 0.172 | 1.41 | 37.4 | 33.3 | 0.78 | 409 | 1.33 | 0.97 | 12.6 | 24.9 | 930 |
| ZZ124922 | | 3.26 | 14.55 | 0.12 | 1.8 | 0.180 | 1.28 | 35.7 | 34.7 | 0.93 | 458 | 1.89 | 0.82 | 15.2 | 32.3 | 1000 |
| ZZ124923 | | 3.38 | 15.80 | 0.14 | 2.0 | 0.123 | 1.58 | 36.9 | 33.6 | 0.81 | 512 | 1.32 | 1.09 | 12.5 | 27.8 | 570 |
| ZZ124924 | | 4.14 | 16.75 | 0.14 | 1.9 | 0.258 | 1.69 | 40.1 | 38.6 | 0.72 | 505 | 1.17 | 0.94 | 12.7 | 23.9 | 600 |
| ZZ124925 | | 4.59 | 23.2 | 0.16 | 1.8 | 0.941 | 2.06 | 46.0 | 63.0 | 0.67 | 795 | 1.14 | 0.60 | 13.8 | 24.1 | 840 |
| ZZ124926 | | 3.94 | 18.50 | 0.19 | 2.0 | 0.511 | 1.53 | 52.1 | 40.3 | 0.67 | 701 | 1.03 | 0.78 | 14.5 | 31.7 | 700 |
| ZZ124927 | | 2.92 | 14.25 | 0.13 | 2.0 | 0.200 | 1.25 | 33.8 | 29.6 | 0.61 | 301 | 1.65 | 0.89 | 13.5 | 18.5 | 890 |
| ZZ124928 | | 3.09 | 14.05 | 0.15 | 2.2 | 0.108 | 1.20 | 36.0 | 26.0 | 0.65 | 328 | 1.69 | 0.90 | 14.0 | 18.1 | 1050 |
| ZZ124929 | | 3.09 | 13.00 | 0.16 | 2.4 | 0.088 | 1.10 | 40.1 | 23.9 | 0.63 | 323 | 1.51 | 0.94 | 14.1 | 17.4 | 830 |
| ZZ124930 | | 2.56 | 12.05 | 0.13 | 1.7 | 0.062 | 1.01 | 30.3 | 19.9 | 0.52 | 227 | 1.09 | 0.89 | 11.5 | 13.0 | 850 |
| ZZ124931 | | 2.73 | 12.40 | 0.13 | 2.0 | 0.060 | 1.05 | 34.8 | 22.2 | 0.55 | 440 | 1.22 | 0.91 | 12.9 | 15.6 | 920 |
| ZZ124932 | | 3.20 | 14.20 | 0.13 | 2.2 | 0.079 | 1.24 | 37.5 | 27.0 | 0.66 | 580 | 1.47 | 1.02 | 15.0 | 18.8 | 1100 |
| ZZ124933 | | 2.96 | 13.15 | 0.17 | 2.6 | 0.079 | 1.26 | 45.8 | 26.9 | 0.70 | 498 | 1.25 | 1.05 | 15.6 | 29.4 | 1060 |
| ZZ124934 | | 3.28 | 11.65 | 0.16 | 2.2 | 0.078 | 1.14 | 39.4 | 24.3 | 0.63 | 435 | 1.26 | 1.02 | 13.5 | 25.2 | 990 |
| ZZ124935 | | 2.94 | 12.95 | 0.14 | 2.1 | 0.069 | 1.15 | 36.0 | 28.7 | 0.61 | 1220 | 1.23 | 0.97 | 14.1 | 18.3 | 1190 |
| ZZ124936 | | 3.28 | 14.00 | 0.13 | 1.8 | 0.069 | 1.20 | 35.0 | 26.7 | 0.69 | 558 | 1.22 | 1.02 | 12.0 | 20.8 | 1040 |
| ZZ124937 | | 3.00 | 11.75 | 0.16 | 2.2 | 0.054 | 1.14 | 46.9 | 25.0 | 0.62 | 583 | 1.05 | 0.91 | 13.0 | 24.8 | 880 |
| ZZ124938 | | 2.89 | 13.25 | 0.13 | 1.9 | 0.064 | 1.22 | 33.8 | 26.8 | 0.64 | 448 | 1.01 | 0.98 | 11.7 | 21.8 | 770 |
| ZZ124939 | | 2.91 | 13.85 | 0.13 | 2.0 | 0.076 | 1.12 | 33.7 | 25.1 | 0.60 | 670 | 1.07 | 0.92 | 11.6 | 19.2 | 890 |
| ZZ124940 | | 2.99 | 14.20 | 0.14 | 2.2 | 0.076 | 1.19 | 39.3 | 25.1 | 0.59 | 678 | 1.08 | 0.92 | 12.6 | 19.3 | 1070 |
| ZZ124941 | | 3.15 | 13.90 | 0.14 | 2.2 | 0.075 | 1.13 | 40.3 | 26.0 | 0.60 | 909 | 1.29 | 0.92 | 13.1 | 20.0 | 1070 |
| ZZ124942 | | 3.21 | 12.25 | 0.12 | 2.0 | 0.051 | 1.08 | 35.3 | 23.6 | 0.59 | 1520 | 1.23 | 0.94 | 11.6 | 19.6 | 860 |
| ZZ124943 | | 3.13 | 16.45 | 0.18 | 2.6 | 0.073 | 1.65 | 49.4 | 52.7 | 0.67 | 387 | 1.17 | 0.89 | 13.7 | 27.0 | 870 |
| ZZ124944 | | 2.29 | 8.97 | 0.11 | 1.5 | 0.038 | 0.89 | 27.7 | 18.2 | 0.50 | 514 | 0.63 | 0.90 | 9.2 | 23.4 | 810 |
| ZZ124945 | | 3.50 | 17.05 | 0.17 | 2.1 | 0.136 | 1.82 | 47.7 | 48.1 | 0.66 | 685 | 1.01 | 0.63 | 15.0 | 32.7 | 600 |
| ZZ124946 | | 3.33 | 15.05 | 0.13 | 2.0 | 0.105 | 1.41 | 35.6 | 43.7 | 0.66 | 510 | 1.08 | 0.80 | 12.5 | 26.2 | 700 |
| ZZ124947 | | 2.95 | 14.10 | 0.14 | 2.0 | 0.084 | 1.27 | 33.4 | 25.7 | 0.56 | 379 | 1.08 | 0.86 | 12.3 | 18.1 | 770 |
| ZZ124948 | | 3.31 | 14.70 | 0.15 | 2.1 | 0.078 | 1.36 | 37.1 | 27.1 | 0.68 | 553 | 1.21 | 0.99 | 12.4 | 24.1 | 660 |
| ZZ124949 | | 3.88 | 19.45 | 0.16 | 2.7 | 0.107 | 2.04 | 46.2 | 35.9 | 0.63 | 357 | 1.04 | 0.80 | 14.1 | 21.7 | 680 |
| ZZ124950 | | 3.39 | 19.75 | 0.16 | 2.6 | 0.087 | 1.94 | 45.5 | 30.0 | 0.63 | 343 | 1.31 | 0.80 | 14.2 | 19.3 | 580 |
| ZZ124951 | | 3.52 | 24.0 | 0.19 | 3.2 | 0.094 | 2.45 | 61.4 | 29.7 | 0.53 | 238 | 1.14 | 0.70 | 17.1 | 21.2 | 500 |
| ZZ124952 | | 3.65 | 20.3 | 0.16 | 2.6 | 0.149 | 2.04 | 43.8 | 31.5 | 0.69 | 423 | 1.52 | 0.86 | 15.3 | 22.7 | 800 |
| ZZ124953 | | 3.36 | 14.70 | 0.12 | 2.1 | 0.062 | 1.30 | 33.9 | 26.8 | 0.72 | 452 | 1.21 | 1.00 | 11.4 | 31.8 | 690 |
| ZZ124954 | | 3.75 | 17.70 | 0.15 | 2.3 | 0.109 | 1.61 | 37.3 | 28.5 | 0.60 | 380 | 1.62 | 0.81 | 13.1 | 20.2 | 560 |
| ZZ124955 | | 3.73 | 16.05 | 0.14 | 2.0 | 0.068 | 1.39 | 36.1 | 41.6 | 0.66 | 774 | 1.58 | 0.82 | 12.9 | 22.8 | 980 |
| ZZ124956 | | 2.84 | 12.95 | 0.12 | 1.9 | 0.058 | 1.14 | 32.1 | 27.6 | 0.57 | 373 | 1.00 | 0.81 | 11.5 | 18.2 | 810 |
| ZZ124957 | | 2.61 | 9.96 | 0.12 | 1.8 | 0.040 | 0.96 | 36.6 | 19.4 | 0.53 | 479 | 0.73 | 0.86 | 10.5 | 23.9 | 800 |
| ZZ124958 | | 2.84 | 14.25 | 0.12 | 1.8 | 0.091 | 1.18 | 31.4 | 27.2 | 0.56 | 552 | 1.22 | 0.91 | 11.3 | 17.1 | 1070 |
| ZZ124959 | | 2.78 | 13.10 | 0.14 | 1.9 | 0.138 | 1.24 | 39.8 | 26.2 | 0.55 | 454 | 0.96 | 0.89 | 13.2 | 21.7 | 810 |
| ZZ124960 | | 3.36 | 15.75 | 0.15 | 2.6 | 0.082 | 1.53 | 44.3 | 37.9 | 0.67 | 1040 | 1.04 | 0.98 | 13.0 | 24.0 | 840 |

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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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**Finalized Date: 20-OCT-2020**
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# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124921 | | 18.4 | 85.7 | <0.002 | 0.04 | 1.19 | 11.0 | 1 | 10.0 | 155.5 | 0.84 | <0.05 | 11.10 | 0.402 | 1.07 | 2.8 |
| ZZ124922 | | 16.9 | 86.1 | <0.002 | 0.04 | 1.20 | 10.8 | 1 | 10.1 | 139.5 | 0.88 | 0.06 | 8.69 | 0.422 | 1.44 | 2.9 |
| ZZ124923 | | 21.7 | 89.0 | <0.002 | 0.03 | 1.32 | 11.3 | 1 | 7.8 | 172.5 | 0.84 | <0.05 | 10.85 | 0.399 | 1.04 | 2.6 |
| ZZ124924 | | 27.8 | 116.5 | 0.002 | 0.07 | 1.12 | 10.7 | 1 | 14.9 | 143.0 | 0.88 | 0.06 | 13.35 | 0.403 | 1.51 | 2.8 |
| ZZ124925 | | 216 | 228 | 0.003 | 0.16 | 1.35 | 12.2 | 2 | 52.2 | 127.5 | 0.98 | 0.66 | 18.40 | 0.387 | 3.20 | 3.6 |
| ZZ124926 | | 34.0 | 134.0 | <0.002 | 0.04 | 1.28 | 11.2 | 1 | 31.7 | 139.5 | 0.99 | 0.05 | 15.80 | 0.437 | 1.78 | 3.6 |
| ZZ124927 | | 17.4 | 78.4 | <0.002 | 0.04 | 1.18 | 9.5 | 1 | 8.5 | 129.0 | 0.98 | 0.05 | 11.85 | 0.398 | 0.90 | 3.4 |
| ZZ124928 | | 16.5 | 66.1 | <0.002 | 0.04 | 0.99 | 9.8 | 1 | 4.9 | 138.0 | 0.96 | 0.05 | 10.95 | 0.446 | 0.82 | 3.7 |
| ZZ124929 | | 15.7 | 59.2 | 0.002 | 0.02 | 1.00 | 9.4 | 1 | 3.0 | 138.5 | 1.05 | <0.05 | 12.75 | 0.470 | 0.58 | 4.8 |
| ZZ124930 | | 15.1 | 51.7 | <0.002 | 0.02 | 0.94 | 8.4 | 1 | 2.4 | 126.0 | 0.89 | <0.05 | 9.27 | 0.390 | 0.51 | 3.7 |
| ZZ124931 | | 14.6 | 58.5 | <0.002 | 0.02 | 0.95 | 8.8 | 1 | 2.5 | 130.0 | 0.95 | <0.05 | 10.65 | 0.424 | 0.53 | 4.2 |
| ZZ124932 | | 16.3 | 71.7 | <0.002 | 0.02 | 1.16 | 10.4 | 1 | 3.4 | 148.5 | 1.15 | 0.05 | 12.00 | 0.477 | 0.62 | 5.5 |
| ZZ124933 | | 15.3 | 67.4 | <0.002 | 0.01 | 1.25 | 10.5 | 1 | 3.2 | 168.5 | 1.27 | <0.05 | 12.85 | 0.471 | 0.52 | 4.2 |
| ZZ124934 | | 15.8 | 57.4 | <0.002 | 0.01 | 1.18 | 9.2 | 1 | 3.5 | 153.5 | 1.09 | <0.05 | 12.30 | 0.452 | 0.52 | 5.7 |
| ZZ124935 | | 14.7 | 71.5 | <0.002 | 0.02 | 0.93 | 9.2 | 1 | 2.7 | 141.5 | 1.05 | <0.05 | 11.20 | 0.423 | 0.61 | 3.7 |
| ZZ124936 | | 15.5 | 65.2 | <0.002 | 0.02 | 1.21 | 10.8 | 1 | 1.9 | 144.0 | 0.81 | <0.05 | 11.30 | 0.376 | 0.61 | 4.6 |
| ZZ124937 | | 13.6 | 57.2 | <0.002 | 0.01 | 1.47 | 9.5 | 1 | 2.3 | 138.5 | 0.94 | <0.05 | 12.70 | 0.465 | 0.44 | 2.8 |
| ZZ124938 | | 14.2 | 61.5 | <0.002 | 0.01 | 1.16 | 9.7 | 1 | 2.6 | 143.0 | 0.81 | <0.05 | 10.05 | 0.401 | 0.51 | 2.4 |
| ZZ124939 | | 15.2 | 59.8 | <0.002 | 0.01 | 1.22 | 9.0 | 1 | 3.5 | 134.0 | 0.82 | <0.05 | 10.70 | 0.403 | 0.53 | 2.3 |
| ZZ124940 | | 13.9 | 65.6 | <0.002 | 0.02 | 1.08 | 9.4 | 1 | 4.2 | 138.0 | 0.89 | <0.05 | 11.20 | 0.457 | 0.57 | 2.6 |
| ZZ124941 | | 14.1 | 63.9 | <0.002 | 0.02 | 1.15 | 9.4 | 1 | 3.0 | 138.0 | 0.90 | <0.05 | 10.95 | 0.464 | 0.47 | 2.5 |
| ZZ124942 | | 13.1 | 55.3 | <0.002 | 0.02 | 1.07 | 8.3 | 1 | 1.8 | 136.0 | 0.83 | <0.05 | 9.99 | 0.429 | 0.40 | 2.3 |
| ZZ124943 | | 24.1 | 87.4 | <0.002 | 0.02 | 1.18 | 10.7 | 1 | 3.3 | 132.5 | 0.95 | <0.05 | 15.75 | 0.465 | 0.77 | 3.4 |
| ZZ124944 | | 12.4 | 41.1 | <0.002 | 0.01 | 1.08 | 6.8 | 1 | 1.0 | 126.0 | 0.65 | <0.05 | 7.87 | 0.315 | 0.27 | 1.7 |
| ZZ124945 | | 21.5 | 106.0 | <0.002 | 0.01 | 1.22 | 11.2 | 1 | 8.8 | 100.5 | 1.05 | 0.06 | 15.00 | 0.464 | 1.18 | 3.1 |
| ZZ124946 | | 19.6 | 84.4 | <0.002 | 0.02 | 1.07 | 9.4 | 1 | 3.8 | 117.0 | 0.92 | 0.06 | 11.50 | 0.410 | 0.88 | 2.5 |
| ZZ124947 | | 21.8 | 70.6 | <0.002 | 0.02 | 1.31 | 9.5 | 1 | 3.2 | 125.5 | 0.86 | 0.05 | 9.71 | 0.408 | 0.66 | 2.3 |
| ZZ124948 | | 19.0 | 69.5 | <0.002 | 0.02 | 1.29 | 10.2 | 1 | 3.0 | 146.5 | 0.84 | <0.05 | 11.15 | 0.402 | 0.60 | 2.4 |
| ZZ124949 | | 22.1 | 103.0 | <0.002 | 0.02 | 1.12 | 12.0 | 1 | 4.3 | 122.5 | 1.03 | <0.05 | 15.55 | 0.449 | 1.12 | 3.0 |
| ZZ124950 | | 19.3 | 107.5 | <0.002 | 0.02 | 1.15 | 12.2 | 1 | 5.5 | 129.5 | 0.99 | <0.05 | 14.80 | 0.434 | 1.00 | 2.9 |
| ZZ124951 | | 27.5 | 131.0 | <0.002 | 0.02 | 1.03 | 13.7 | 1 | 6.4 | 124.5 | 1.27 | <0.05 | 18.85 | 0.495 | 1.36 | 3.5 |
| ZZ124952 | | 33.8 | 112.5 | <0.002 | 0.02 | 1.32 | 12.7 | 1 | 6.8 | 136.5 | 1.03 | 0.06 | 14.55 | 0.487 | 1.15 | 3.1 |
| ZZ124953 | | 16.2 | 66.5 | <0.002 | 0.02 | 1.25 | 10.8 | 1 | 2.3 | 145.5 | 0.77 | <0.05 | 10.25 | 0.392 | 0.55 | 2.5 |
| ZZ124954 | | 18.7 | 88.8 | <0.002 | 0.02 | 1.31 | 10.3 | 1 | 4.1 | 123.5 | 0.93 | <0.05 | 11.80 | 0.440 | 0.80 | 2.9 |
| ZZ124955 | | 16.2 | 91.1 | <0.002 | 0.02 | 1.12 | 9.6 | 1 | 3.5 | 120.5 | 0.87 | 0.07 | 10.30 | 0.427 | 0.76 | 2.4 |
| ZZ124956 | | 14.1 | 65.3 | <0.002 | 0.02 | 0.93 | 8.2 | 1 | 2.9 | 119.0 | 0.81 | <0.05 | 9.38 | 0.390 | 0.59 | 2.1 |
| ZZ124957 | | 12.6 | 45.4 | <0.002 | 0.01 | 1.20 | 7.3 | 1 | 2.7 | 121.0 | 0.75 | <0.05 | 9.46 | 0.386 | 0.34 | 2.1 |
| ZZ124958 | | 14.3 | 70.9 | <0.002 | 0.02 | 0.91 | 9.0 | 1 | 4.5 | 130.0 | 0.79 | <0.05 | 9.65 | 0.390 | 0.67 | 2.7 |
| ZZ124959 | | 15.3 | 74.4 | <0.002 | 0.01 | 1.02 | 8.7 | <1 | 4.0 | 128.5 | 1.00 | <0.05 | 11.90 | 0.413 | 0.68 | 4.0 |
| ZZ124960 | | 18.8 | 76.7 | <0.002 | 0.03 | 1.15 | 10.4 | 1 | 3.2 | 150.0 | 0.93 | 0.05 | 12.50 | 0.435 | 0.82 | 3.1 |

***** 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
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124921 | | 117 | 3.6 | 14.0 | 113 | 69.6 |
| ZZ124922 | | 129 | 5.1 | 15.1 | 152 | 64.5 |
| ZZ124923 | | 120 | 2.7 | 14.5 | 102 | 66.2 |
| ZZ124924 | | 108 | 3.7 | 12.7 | 113 | 61.2 |
| ZZ124925 | | 92 | 26.8 | 15.3 | 408 | 55.7 |
| ZZ124926 | | 97 | 13.7 | 19.5 | 277 | 65.9 |
| ZZ124927 | | 105 | 4.3 | 12.0 | 68 | 65.0 |
| ZZ124928 | | 116 | 3.5 | 13.4 | 67 | 72.1 |
| ZZ124929 | | 107 | 2.8 | 13.5 | 62 | 76.3 |
| ZZ124930 | | 97 | 1.9 | 10.8 | 46 | 59.0 |
| ZZ124931 | | 101 | 2.1 | 12.8 | 55 | 69.0 |
| ZZ124932 | | 118 | 2.2 | 14.3 | 73 | 72.6 |
| ZZ124933 | | 115 | 2.3 | 19.0 | 96 | 82.6 |
| ZZ124934 | | 98 | 6.0 | 15.5 | 94 | 71.7 |
| ZZ124935 | | 106 | 1.9 | 12.8 | 76 | 70.0 |
| ZZ124936 | | 106 | 2.4 | 15.6 | 79 | 59.7 |
| ZZ124937 | | 103 | 2.3 | 15.9 | 75 | 74.4 |
| ZZ124938 | | 106 | 2.2 | 13.0 | 75 | 65.9 |
| ZZ124939 | | 102 | 3.2 | 12.6 | 71 | 65.7 |
| ZZ124940 | | 105 | 10.5 | 14.3 | 75 | 72.5 |
| ZZ124941 | | 106 | 2.9 | 13.6 | 78 | 73.5 |
| ZZ124942 | | 98 | 1.6 | 12.3 | 75 | 70.3 |
| ZZ124943 | | 107 | 2.2 | 15.1 | 135 | 88.2 |
| ZZ124944 | | 72 | 0.9 | 11.3 | 72 | 50.8 |
| ZZ124945 | | 94 | 6.1 | 15.5 | 147 | 74.0 |
| ZZ124946 | | 105 | 3.4 | 11.6 | 123 | 65.5 |
| ZZ124947 | | 105 | 2.4 | 11.7 | 68 | 69.3 |
| ZZ124948 | | 111 | 1.8 | 12.8 | 76 | 71.4 |
| ZZ124949 | | 116 | 3.2 | 12.2 | 98 | 89.9 |
| ZZ124950 | | 119 | 2.9 | 12.5 | 69 | 90.3 |
| ZZ124951 | | 117 | 4.8 | 12.4 | 92 | 108.5 |
| ZZ124952 | | 131 | 3.7 | 12.9 | 95 | 92.4 |
| ZZ124953 | | 116 | 1.5 | 14.9 | 75 | 71.7 |
| ZZ124954 | | 130 | 3.0 | 11.3 | 83 | 77.7 |
| ZZ124955 | | 116 | 2.5 | 12.5 | 94 | 72.4 |
| ZZ124956 | | 97 | 1.8 | 11.5 | 73 | 63.1 |
| ZZ124957 | | 83 | 1.4 | 13.0 | 68 | 63.2 |
| ZZ124958 | | 99 | 2.2 | 11.4 | 72 | 64.0 |
| ZZ124959 | | 93 | 3.2 | 15.9 | 93 | 67.2 |
| ZZ124960 | | 104 | 3.1 | 16.6 | 114 | 88.1 |

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

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2103 Dollarton Hwy
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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 |
| ZZ124961 | | 0.41 | 0.006 | 0.07 | 4.58 | 13.3 | 640 | 1.18 | 0.57 | 0.69 | 0.15 | 64.2 | 5.6 | 55 | 3.26 | 15.3 |
| ZZ124962 | | 0.44 | 0.003 | 0.08 | 5.28 | 16.4 | 840 | 1.60 | 0.59 | 0.82 | 0.38 | 84.6 | 11.6 | 56 | 3.85 | 34.3 |
| ZZ124963 | | 0.49 | 0.003 | 0.07 | 6.23 | 12.9 | 840 | 2.23 | 0.76 | 0.79 | 0.18 | 87.5 | 10.9 | 60 | 5.86 | 39.1 |
| ZZ124964 | | 0.38 | 0.007 | 0.04 | 3.88 | 15.9 | 660 | 0.98 | 0.31 | 0.60 | 0.25 | 56.5 | 12.7 | 45 | 2.42 | 17.7 |
| ZZ124965 | | 0.51 | 0.014 | 0.87 | 5.59 | 21.4 | 750 | 2.49 | 2.75 | 0.71 | 0.25 | 83.2 | 6.7 | 53 | 15.25 | 62.2 |
| ZZ124966 | | 0.57 | 0.008 | 0.21 | 4.96 | 13.1 | 740 | 1.33 | 1.66 | 0.74 | 0.16 | 64.1 | 7.1 | 58 | 3.96 | 27.9 |
| ZZ124967 | | 0.50 | 0.004 | 0.07 | 4.54 | 11.8 | 670 | 1.11 | 0.99 | 0.68 | 0.13 | 69.0 | 4.9 | 57 | 3.63 | 22.4 |
| ZZ124968 | | 0.43 | 0.006 | 0.14 | 4.42 | 16.5 | 660 | 1.10 | 0.65 | 0.75 | 0.26 | 60.7 | 9.3 | 51 | 2.48 | 29.0 |
| ZZ124969 | | 0.46 | 0.008 | 0.09 | 4.33 | 13.0 | 680 | 1.22 | 1.30 | 0.77 | 0.22 | 69.1 | 13.6 | 50 | 3.37 | 33.6 |
| ZZ124970 | | 0.49 | 0.011 | 0.12 | 4.52 | 13.7 | 700 | 1.34 | 1.23 | 0.84 | 0.30 | 91.6 | 8.3 | 58 | 3.77 | 47.2 |
| YY16951 | | 0.44 | 0.009 | 0.07 | 5.12 | 17.0 | 740 | 1.17 | 1.19 | 0.72 | 0.18 | 70.5 | 7.2 | 65 | 5.61 | 31.2 |
| YY16952 | | 0.45 | 0.016 | 0.17 | 4.75 | 15.9 | 720 | 1.33 | 1.35 | 0.79 | 0.36 | 97.4 | 8.9 | 57 | 4.64 | 42.6 |
| YY16953 | | 0.44 | 0.016 | 0.12 | 5.06 | 16.0 | 740 | 1.27 | 1.25 | 0.76 | 0.17 | 82.5 | 10.2 | 65 | 4.82 | 32.1 |
| YY16954 | | 0.47 | 0.005 | 0.12 | 5.15 | 16.0 | 780 | 1.36 | 2.13 | 0.84 | 0.25 | 86.5 | 10.7 | 62 | 3.90 | 41.8 |
| YY16955 | | 0.42 | 0.006 | 0.08 | 4.76 | 14.9 | 710 | 1.21 | 1.38 | 0.77 | 0.19 | 80.9 | 18.7 | 57 | 4.49 | 30.0 |
| YY16956 | | 0.41 | 0.002 | 0.13 | 5.08 | 14.7 | 740 | 1.22 | 1.44 | 0.74 | 0.12 | 65.6 | 5.8 | 59 | 4.65 | 28.0 |
| YY16957 | | 0.41 | 0.007 | 0.11 | 6.05 | 24.5 | 770 | 1.45 | 1.37 | 0.63 | 0.50 | 85.4 | 9.3 | 65 | 7.28 | 27.4 |
| YY16958 | | 0.46 | 0.006 | 0.16 | 7.59 | 22.7 | 830 | 2.21 | 1.89 | 0.49 | 0.65 | 104.0 | 11.7 | 69 | 13.00 | 54.5 |
| YY16959 | | 0.42 | 0.003 | 0.04 | 6.57 | 24.3 | 800 | 1.47 | 1.25 | 0.58 | 0.29 | 69.6 | 12.0 | 76 | 7.03 | 29.9 |
| YY16960 | | 0.44 | 0.003 | 0.04 | 5.69 | 16.5 | 860 | 1.29 | 0.32 | 0.77 | 0.31 | 68.5 | 8.8 | 68 | 4.05 | 20.5 |
| YY16961 | | 0.44 | 0.004 | 0.16 | 5.78 | 15.7 | 850 | 1.42 | 0.37 | 1.00 | 0.38 | 82.7 | 12.4 | 65 | 4.02 | 29.4 |
| YY16962 | | 0.51 | 0.010 | 0.10 | 4.90 | 17.5 | 710 | 1.24 | 0.35 | 0.90 | 0.39 | 90.9 | 11.4 | 64 | 3.65 | 26.1 |
| YY16963 | | 0.44 | 0.004 | 0.08 | 6.37 | 24.4 | 870 | 1.38 | 0.76 | 0.81 | 0.28 | 76.0 | 10.1 | 78 | 6.59 | 26.6 |
| YY16964 | | 0.38 | 0.003 | 0.06 | 6.84 | 16.8 | 950 | 1.38 | 0.31 | 0.94 | 0.48 | 64.6 | 10.9 | 81 | 4.90 | 24.1 |
| YY16965 | | 0.40 | 0.004 | 0.04 | 6.31 | 21.2 | 860 | 1.34 | 0.29 | 0.84 | 0.35 | 75.3 | 14.7 | 69 | 4.70 | 25.6 |
| YY16966 | | 0.38 | 0.015 | 0.03 | 4.43 | 16.0 | 670 | 0.95 | 0.23 | 0.78 | 0.29 | 81.5 | 11.4 | 56 | 3.04 | 19.0 |
| YY16967 | | 0.39 | 0.011 | 0.07 | 4.81 | 17.2 | 710 | 1.00 | 0.28 | 0.67 | 0.29 | 69.5 | 10.6 | 59 | 4.09 | 15.9 |
| YY16968 | | 0.40 | 0.001 | 0.03 | 4.94 | 15.6 | 730 | 1.00 | 0.24 | 0.70 | 0.20 | 65.7 | 8.1 | 59 | 3.70 | 14.5 |
| YY16969 | | 0.48 | 0.009 | 0.48 | 5.53 | 23.0 | 780 | 1.46 | 0.43 | 0.62 | 0.54 | 90.3 | 8.9 | 57 | 7.69 | 29.4 |
| YY16970 | | 0.40 | 0.003 | 0.07 | 6.23 | 20.4 | 850 | 1.45 | 1.50 | 0.61 | 0.33 | 73.0 | 11.5 | 67 | 10.90 | 39.2 |
| YY16971 | | 0.48 | 0.002 | 0.12 | 5.80 | 20.8 | 830 | 1.33 | 2.05 | 0.67 | 0.26 | 76.8 | 11.8 | 60 | 6.02 | 28.6 |
| YY16972 | | 0.39 | 0.003 | 0.05 | 5.94 | 17.4 | 830 | 1.32 | 1.43 | 0.62 | 0.24 | 69.6 | 10.1 | 64 | 9.44 | 21.3 |
| YY16973 | | 0.44 | 0.002 | 0.15 | 6.18 | 17.7 | 870 | 1.34 | 3.24 | 0.61 | 0.23 | 71.1 | 9.2 | 68 | 8.27 | 29.5 |
| YY16974 | | 0.49 | 0.004 | 0.06 | 5.99 | 22.9 | 860 | 1.45 | 1.28 | 0.65 | 0.27 | 88.5 | 10.2 | 61 | 6.60 | 28.2 |
| YY16975 | | 0.42 | 0.005 | 0.07 | 5.47 | 19.3 | 730 | 1.08 | 1.64 | 0.65 | 0.18 | 74.7 | 8.3 | 67 | 5.88 | 25.8 |
| YY16976 | | 0.41 | 0.002 | 0.06 | 5.82 | 18.0 | 780 | 1.13 | 0.88 | 0.64 | 0.19 | 65.9 | 9.6 | 72 | 7.03 | 21.1 |
| YY16977 | | 0.42 | 0.002 | 0.05 | 5.95 | 19.3 | 790 | 1.06 | 1.41 | 0.63 | 0.15 | 70.2 | 6.9 | 72 | 8.18 | 23.2 |
| YY16978 | | 0.44 | 0.024 | 0.11 | 6.07 | 36.4 | 780 | 1.29 | 2.10 | 0.54 | 0.25 | 80.7 | 9.6 | 62 | 7.97 | 27.8 |
| YY16979 | | 0.42 | 0.004 | 0.07 | 6.15 | 33.5 | 810 | 1.32 | 1.99 | 0.53 | 0.28 | 84.4 | 7.3 | 65 | 7.10 | 32.4 |
| YY16980 | | 0.41 | 0.003 | 0.24 | 6.09 | 19.2 | 840 | 1.51 | 0.59 | 0.68 | 0.35 | 73.2 | 10.9 | 64 | 7.36 | 29.7 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124961 | | 2.62 | 12.25 | 0.12 | 2.1 | 0.057 | 0.98 | 32.3 | 20.1 | 0.56 | 299 | 1.05 | 0.88 | 12.4 | 14.5 | 820 |
| ZZ124962 | | 3.01 | 13.45 | 0.14 | 2.2 | 0.084 | 1.24 | 42.0 | 26.0 | 0.64 | 601 | 1.00 | 1.01 | 13.1 | 27.8 | 860 |
| ZZ124963 | | 3.34 | 16.75 | 0.14 | 2.3 | 0.102 | 1.29 | 44.1 | 31.9 | 0.71 | 594 | 1.52 | 1.02 | 14.2 | 20.0 | 1150 |
| ZZ124964 | | 2.72 | 10.10 | 0.11 | 1.6 | 0.054 | 0.90 | 27.1 | 18.6 | 0.51 | 766 | 0.98 | 0.79 | 9.7 | 18.1 | 740 |
| ZZ124965 | | 2.23 | 16.10 | 0.15 | 2.0 | 0.124 | 1.19 | 42.9 | 37.5 | 0.59 | 227 | 2.92 | 0.92 | 14.2 | 16.4 | 1200 |
| ZZ124966 | | 2.69 | 12.95 | 0.14 | 1.9 | 0.054 | 1.09 | 31.5 | 25.1 | 0.59 | 329 | 1.08 | 0.96 | 13.0 | 17.3 | 960 |
| ZZ124967 | | 2.57 | 13.40 | 0.14 | 2.2 | 0.059 | 1.04 | 36.0 | 21.1 | 0.51 | 259 | 1.07 | 0.87 | 13.1 | 13.7 | 840 |
| ZZ124968 | | 2.83 | 10.80 | 0.13 | 1.9 | 0.053 | 1.03 | 30.2 | 20.2 | 0.55 | 488 | 0.92 | 0.91 | 11.1 | 19.6 | 1050 |
| ZZ124969 | | 2.69 | 11.65 | 0.13 | 2.2 | 0.070 | 1.05 | 35.8 | 21.7 | 0.54 | 915 | 1.05 | 0.87 | 13.0 | 19.3 | 960 |
| ZZ124970 | | 2.77 | 12.05 | 0.14 | 2.3 | 0.073 | 1.07 | 45.5 | 22.2 | 0.58 | 451 | 1.13 | 0.90 | 13.2 | 22.2 | 970 |
| YY16951 | | 3.06 | 13.65 | 0.12 | 2.2 | 0.091 | 1.19 | 35.1 | 23.0 | 0.62 | 372 | 1.18 | 0.93 | 12.5 | 17.9 | 900 |
| YY16952 | | 2.94 | 12.10 | 0.15 | 2.5 | 0.109 | 1.11 | 50.9 | 22.7 | 0.59 | 492 | 0.91 | 0.90 | 12.9 | 21.2 | 900 |
| YY16953 | | 3.01 | 12.80 | 0.16 | 2.5 | 0.099 | 1.15 | 40.2 | 22.0 | 0.63 | 451 | 1.12 | 0.96 | 13.1 | 19.4 | 930 |
| YY16954 | | 3.09 | 12.75 | 0.15 | 2.4 | 0.107 | 1.18 | 40.7 | 22.8 | 0.65 | 521 | 1.12 | 0.97 | 14.3 | 25.0 | 900 |
| YY16955 | | 3.03 | 12.25 | 0.15 | 2.2 | 0.101 | 1.11 | 37.5 | 22.1 | 0.59 | 1170 | 1.12 | 0.90 | 13.4 | 18.1 | 1070 |
| YY16956 | | 2.86 | 13.05 | 0.13 | 2.2 | 0.088 | 1.15 | 32.5 | 22.0 | 0.61 | 274 | 1.39 | 0.96 | 12.9 | 16.5 | 910 |
| YY16957 | | 3.18 | 16.55 | 0.15 | 2.3 | 0.156 | 1.39 | 41.1 | 28.4 | 0.55 | 518 | 0.98 | 0.81 | 14.2 | 20.9 | 950 |
| YY16958 | | 3.84 | 19.70 | 0.16 | 2.2 | 0.279 | 1.79 | 50.9 | 39.3 | 0.60 | 476 | 1.06 | 0.67 | 17.0 | 26.1 | 780 |
| YY16959 | | 3.83 | 17.65 | 0.13 | 2.1 | 0.129 | 1.38 | 33.7 | 32.7 | 0.73 | 586 | 1.53 | 0.84 | 14.0 | 24.2 | 610 |
| YY16960 | | 3.13 | 14.10 | 0.14 | 2.1 | 0.064 | 1.33 | 35.6 | 25.8 | 0.73 | 365 | 1.23 | 1.01 | 12.7 | 21.8 | 890 |
| YY16961 | | 3.14 | 12.90 | 0.14 | 2.1 | 0.066 | 1.31 | 38.6 | 25.0 | 0.73 | 594 | 1.05 | 1.05 | 12.7 | 27.4 | 1070 |
| YY16962 | | 2.99 | 11.35 | 0.15 | 2.4 | 0.066 | 1.15 | 43.4 | 21.6 | 0.61 | 576 | 1.03 | 0.94 | 13.2 | 25.4 | 1060 |
| YY16963 | | 3.71 | 16.40 | 0.15 | 2.4 | 0.090 | 1.41 | 36.3 | 29.4 | 0.82 | 441 | 1.40 | 1.09 | 13.9 | 26.4 | 920 |
| YY16964 | | 3.86 | 18.20 | 0.14 | 2.5 | 0.072 | 1.48 | 30.9 | 26.9 | 0.94 | 436 | 1.60 | 1.29 | 14.2 | 28.0 | 1080 |
| YY16965 | | 3.68 | 14.25 | 0.16 | 2.2 | 0.064 | 1.29 | 36.6 | 26.9 | 0.79 | 779 | 1.41 | 1.10 | 12.7 | 27.0 | 1200 |
| YY16966 | | 2.93 | 11.05 | 0.14 | 2.1 | 0.047 | 1.02 | 39.1 | 19.5 | 0.57 | 650 | 0.95 | 0.91 | 12.0 | 20.5 | 860 |
| YY16967 | | 2.87 | 12.85 | 0.14 | 2.1 | 0.059 | 1.21 | 33.3 | 18.3 | 0.54 | 693 | 1.24 | 0.87 | 12.0 | 16.4 | 1010 |
| YY16968 | | 2.79 | 12.75 | 0.13 | 2.1 | 0.049 | 1.16 | 32.3 | 19.8 | 0.57 | 360 | 1.00 | 0.97 | 11.8 | 16.7 | 850 |
| YY16969 | | 2.57 | 13.75 | 0.14 | 2.4 | 0.061 | 1.47 | 42.5 | 35.5 | 0.61 | 320 | 0.93 | 0.88 | 11.8 | 28.0 | 750 |
| YY16970 | | 3.46 | 15.35 | 0.15 | 2.1 | 0.061 | 1.52 | 34.6 | 32.6 | 0.68 | 461 | 1.05 | 0.89 | 13.2 | 26.8 | 860 |
| YY16971 | | 3.14 | 13.35 | 0.14 | 2.2 | 0.063 | 1.41 | 37.1 | 26.7 | 0.65 | 513 | 0.92 | 0.96 | 11.5 | 24.7 | 780 |
| YY16972 | | 3.35 | 15.15 | 0.15 | 2.1 | 0.061 | 1.38 | 33.1 | 27.5 | 0.62 | 463 | 1.20 | 0.93 | 12.7 | 20.7 | 960 |
| YY16973 | | 3.44 | 15.35 | 0.13 | 2.2 | 0.067 | 1.52 | 34.3 | 28.2 | 0.69 | 437 | 1.27 | 0.96 | 12.7 | 21.7 | 1070 |
| YY16974 | | 3.32 | 14.75 | 0.16 | 2.3 | 0.060 | 1.52 | 41.8 | 27.8 | 0.71 | 393 | 1.12 | 0.96 | 12.7 | 24.0 | 670 |
| YY16975 | | 3.19 | 14.25 | 0.14 | 2.5 | 0.080 | 1.28 | 36.1 | 22.8 | 0.69 | 377 | 1.20 | 0.88 | 12.5 | 19.6 | 880 |
| YY16976 | | 3.62 | 15.00 | 0.13 | 2.2 | 0.057 | 1.31 | 31.5 | 27.6 | 0.74 | 485 | 1.40 | 0.93 | 12.0 | 23.1 | 840 |
| YY16977 | | 3.47 | 16.20 | 0.15 | 2.4 | 0.067 | 1.34 | 34.1 | 26.3 | 0.71 | 336 | 1.26 | 0.94 | 13.7 | 19.2 | 870 |
| YY16978 | | 3.29 | 15.20 | 0.14 | 2.3 | 0.152 | 1.54 | 38.3 | 30.8 | 0.61 | 504 | 1.11 | 0.82 | 12.9 | 22.1 | 840 |
| YY16979 | | 3.19 | 15.55 | 0.16 | 2.3 | 0.167 | 1.67 | 41.4 | 32.6 | 0.59 | 337 | 1.16 | 0.83 | 13.7 | 23.0 | 600 |
| YY16980 | | 3.17 | 14.40 | 0.13 | 2.1 | 0.075 | 1.40 | 35.2 | 34.6 | 0.67 | 462 | 1.31 | 0.98 | 12.5 | 26.3 | 950 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124961 | | 12.4 | 53.2 | <0.002 | 0.02 | 0.90 | 8.2 | 1 | 2.1 | 124.5 | 0.88 | <0.05 | 9.21 | 0.431 | 0.44 | 2.5 |
| ZZ124962 | | 14.7 | 67.6 | <0.002 | 0.01 | 1.26 | 9.8 | 1 | 2.5 | 153.5 | 0.97 | <0.05 | 12.40 | 0.409 | 0.55 | 4.2 |
| ZZ124963 | | 15.2 | 85.8 | <0.002 | 0.02 | 1.24 | 10.8 | 1 | 2.9 | 148.0 | 1.08 | 0.05 | 14.05 | 0.423 | 0.70 | 4.8 |
| ZZ124964 | | 13.0 | 44.9 | <0.002 | 0.02 | 1.04 | 6.6 | 1 | 1.7 | 106.5 | 0.70 | <0.05 | 8.19 | 0.343 | 0.33 | 2.3 |
| ZZ124965 | | 17.6 | 82.7 | <0.002 | 0.03 | 0.88 | 8.8 | 1 | 3.7 | 134.0 | 1.17 | 0.05 | 15.75 | 0.389 | 0.78 | 11.6 |
| ZZ124966 | | 13.6 | 61.5 | <0.002 | 0.02 | 0.99 | 8.6 | 1 | 2.3 | 138.5 | 0.97 | <0.05 | 10.50 | 0.398 | 0.49 | 3.6 |
| ZZ124967 | | 14.4 | 60.3 | <0.002 | 0.01 | 1.01 | 8.9 | 1 | 2.6 | 127.0 | 0.93 | <0.05 | 10.95 | 0.402 | 0.51 | 4.0 |
| ZZ124968 | | 12.7 | 49.9 | <0.002 | 0.01 | 1.09 | 7.5 | 1 | 1.7 | 132.0 | 0.88 | <0.05 | 9.95 | 0.368 | 0.39 | 3.1 |
| ZZ124969 | | 14.4 | 59.9 | <0.002 | 0.01 | 1.07 | 8.1 | 1 | 3.2 | 128.5 | 1.00 | <0.05 | 10.60 | 0.402 | 0.51 | 4.2 |
| ZZ124970 | | 15.4 | 58.4 | <0.002 | 0.01 | 1.10 | 8.8 | 1 | 3.1 | 138.0 | 1.01 | <0.05 | 13.35 | 0.443 | 0.52 | 5.3 |
| YY16951 | | 14.6 | 65.5 | <0.002 | 0.02 | 1.01 | 9.1 | 1 | 4.3 | 134.5 | 0.93 | <0.05 | 11.40 | 0.449 | 0.63 | 3.3 |
| YY16952 | | 13.4 | 62.0 | <0.002 | 0.01 | 1.14 | 9.2 | 1 | 4.7 | 133.5 | 0.95 | <0.05 | 14.35 | 0.483 | 0.61 | 3.3 |
| YY16953 | | 15.2 | 61.8 | <0.002 | 0.02 | 1.06 | 9.7 | 1 | 4.1 | 142.5 | 0.87 | <0.05 | 12.45 | 0.466 | 0.57 | 3.4 |
| YY16954 | | 15.5 | 65.3 | <0.002 | 0.01 | 1.28 | 10.3 | 1 | 4.3 | 147.5 | 1.02 | <0.05 | 12.45 | 0.497 | 0.54 | 4.2 |
| YY16955 | | 14.9 | 63.8 | <0.002 | 0.02 | 1.03 | 8.7 | 1 | 5.1 | 132.5 | 0.97 | <0.05 | 11.30 | 0.446 | 0.53 | 3.4 |
| YY16956 | | 14.7 | 62.4 | <0.002 | 0.02 | 0.98 | 9.2 | 1 | 4.1 | 137.0 | 0.92 | <0.05 | 10.10 | 0.432 | 0.58 | 3.8 |
| YY16957 | | 17.3 | 74.1 | <0.002 | 0.02 | 1.04 | 10.5 | 1 | 6.7 | 124.0 | 0.97 | <0.05 | 12.55 | 0.465 | 0.82 | 2.9 |
| YY16958 | | 18.2 | 117.0 | <0.002 | 0.02 | 1.09 | 11.6 | 1 | 10.5 | 109.0 | 1.45 | <0.05 | 18.45 | 0.504 | 1.33 | 3.6 |
| YY16959 | | 17.1 | 80.9 | <0.002 | 0.02 | 1.19 | 11.2 | 1 | 4.8 | 126.0 | 0.94 | <0.05 | 11.20 | 0.438 | 0.81 | 2.6 |
| YY16960 | | 13.9 | 72.7 | <0.002 | 0.02 | 1.22 | 11.1 | 1 | 2.4 | 147.5 | 0.82 | <0.05 | 9.91 | 0.424 | 0.59 | 2.4 |
| YY16961 | | 14.8 | 64.4 | <0.002 | 0.01 | 1.22 | 10.6 | 1 | 2.7 | 167.5 | 0.90 | <0.05 | 11.30 | 0.453 | 0.58 | 2.7 |
| YY16962 | | 12.7 | 56.5 | <0.002 | 0.01 | 1.20 | 9.3 | 1 | 2.3 | 147.0 | 0.91 | <0.05 | 12.90 | 0.496 | 0.48 | 2.8 |
| YY16963 | | 16.7 | 73.2 | <0.002 | 0.02 | 1.22 | 12.1 | 1 | 3.0 | 162.5 | 0.94 | <0.05 | 11.60 | 0.486 | 0.72 | 3.0 |
| YY16964 | | 18.8 | 75.2 | <0.002 | 0.03 | 1.33 | 13.4 | 1 | 2.6 | 188.0 | 0.89 | 0.05 | 9.76 | 0.472 | 0.69 | 2.8 |
| YY16965 | | 16.2 | 65.8 | <0.002 | 0.02 | 1.31 | 11.7 | 1 | 2.2 | 162.0 | 0.80 | 0.05 | 10.25 | 0.443 | 0.54 | 2.6 |
| YY16966 | | 12.8 | 48.4 | <0.002 | 0.02 | 1.08 | 8.5 | 1 | 1.7 | 134.5 | 0.83 | <0.05 | 11.10 | 0.459 | 0.40 | 2.4 |
| YY16967 | | 14.6 | 61.4 | <0.002 | 0.02 | 1.00 | 8.7 | 1 | 2.3 | 127.0 | 0.82 | <0.05 | 9.70 | 0.436 | 0.52 | 2.3 |
| YY16968 | | 13.4 | 58.0 | <0.002 | 0.02 | 1.01 | 9.3 | <1 | 1.9 | 139.0 | 0.81 | <0.05 | 9.46 | 0.423 | 0.51 | 2.4 |
| YY16969 | | 22.4 | 72.4 | <0.002 | 0.03 | 1.29 | 9.5 | 1 | 2.5 | 128.5 | 0.82 | <0.05 | 13.00 | 0.425 | 0.71 | 3.1 |
| YY16970 | | 15.1 | 81.8 | <0.002 | 0.02 | 1.06 | 10.8 | 1 | 3.0 | 129.5 | 0.88 | 0.05 | 11.00 | 0.428 | 0.86 | 2.8 |
| YY16971 | | 14.8 | 70.9 | <0.002 | 0.02 | 1.08 | 10.0 | 1 | 2.2 | 135.0 | 0.80 | <0.05 | 11.95 | 0.392 | 0.69 | 2.7 |
| YY16972 | | 16.5 | 83.4 | <0.002 | 0.03 | 1.06 | 10.2 | 1 | 2.3 | 131.5 | 0.86 | <0.05 | 10.05 | 0.406 | 0.83 | 2.6 |
| YY16973 | | 18.3 | 85.8 | <0.002 | 0.03 | 1.10 | 11.1 | 1 | 3.1 | 137.5 | 0.83 | <0.05 | 11.40 | 0.422 | 0.82 | 2.8 |
| YY16974 | | 14.7 | 79.0 | <0.002 | 0.03 | 1.18 | 11.1 | 1 | 4.6 | 141.0 | 0.84 | <0.05 | 13.65 | 0.405 | 0.82 | 3.2 |
| YY16975 | | 14.7 | 67.9 | <0.002 | 0.02 | 1.06 | 10.4 | 1 | 2.6 | 129.5 | 0.84 | <0.05 | 11.30 | 0.446 | 0.71 | 2.6 |
| YY16976 | | 15.4 | 70.0 | <0.002 | 0.03 | 1.24 | 10.8 | 1 | 2.1 | 133.0 | 0.80 | 0.05 | 10.20 | 0.434 | 0.71 | 2.6 |
| YY16977 | | 16.6 | 71.3 | <0.002 | 0.03 | 1.09 | 10.9 | 1 | 2.6 | 132.0 | 0.89 | 0.05 | 10.60 | 0.478 | 0.78 | 2.7 |
| YY16978 | | 36.9 | 86.8 | <0.002 | 0.02 | 1.08 | 10.4 | 1 | 4.9 | 118.0 | 0.86 | 0.05 | 12.35 | 0.443 | 0.86 | 2.6 |
| YY16979 | | 25.3 | 89.9 | <0.002 | 0.02 | 1.13 | 9.8 | 1 | 6.6 | 119.0 | 0.91 | <0.05 | 13.65 | 0.453 | 0.84 | 2.6 |
| YY16980 | | 17.6 | 76.9 | <0.002 | 0.02 | 1.17 | 10.2 | 1 | 3.6 | 141.5 | 0.83 | <0.05 | 10.85 | 0.422 | 0.82 | 2.9 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124961 | | 97 | 2.9 | 11.8 | 52 | 66.6 |
| ZZ124962 | | 101 | 3.3 | 17.1 | 88 | 74.1 |
| ZZ124963 | | 115 | 2.9 | 16.7 | 83 | 76.1 |
| ZZ124964 | | 82 | 1.6 | 10.7 | 60 | 53.7 |
| ZZ124965 | | 96 | 5.9 | 17.7 | 89 | 67.1 |
| ZZ124966 | | 100 | 1.7 | 12.3 | 63 | 67.1 |
| ZZ124967 | | 105 | 1.7 | 12.5 | 45 | 73.9 |
| ZZ124968 | | 88 | 1.4 | 12.2 | 74 | 61.5 |
| ZZ124969 | | 93 | 1.9 | 13.9 | 64 | 69.8 |
| ZZ124970 | | 100 | 2.2 | 16.4 | 73 | 72.5 |
| YY16951 | | 108 | 3.9 | 12.6 | 67 | 74.0 |
| YY16952 | | 97 | 4.5 | 16.1 | 85 | 74.5 |
| YY16953 | | 106 | 4.4 | 15.1 | 69 | 80.6 |
| YY16954 | | 107 | 3.6 | 16.4 | 82 | 87.4 |
| YY16955 | | 99 | 3.3 | 14.0 | 70 | 75.1 |
| YY16956 | | 108 | 3.0 | 12.0 | 58 | 69.6 |
| YY16957 | | 115 | 6.7 | 13.8 | 93 | 72.2 |
| YY16958 | | 109 | 11.7 | 14.9 | 171 | 71.9 |
| YY16959 | | 126 | 6.0 | 12.4 | 97 | 72.2 |
| YY16960 | | 119 | 2.0 | 13.6 | 82 | 70.1 |
| YY16961 | | 109 | 2.4 | 15.5 | 118 | 77.3 |
| YY16962 | | 99 | 2.9 | 15.7 | 94 | 91.6 |
| YY16963 | | 129 | 2.3 | 14.3 | 95 | 85.7 |
| YY16964 | | 145 | 1.8 | 14.8 | 95 | 82.3 |
| YY16965 | | 119 | 1.7 | 15.8 | 111 | 71.8 |
| YY16966 | | 99 | 1.6 | 13.1 | 67 | 73.0 |
| YY16967 | | 106 | 1.7 | 11.1 | 66 | 70.1 |
| YY16968 | | 104 | 1.7 | 11.9 | 59 | 74.8 |
| YY16969 | | 93 | 1.5 | 14.7 | 105 | 80.0 |
| YY16970 | | 109 | 7.5 | 11.9 | 88 | 70.4 |
| YY16971 | | 101 | 2.1 | 13.0 | 85 | 68.8 |
| YY16972 | | 118 | 2.4 | 12.4 | 72 | 69.6 |
| YY16973 | | 118 | 1.8 | 12.5 | 75 | 73.0 |
| YY16974 | | 107 | 1.6 | 15.6 | 74 | 76.4 |
| YY16975 | | 110 | 3.4 | 12.0 | 67 | 84.9 |
| YY16976 | | 122 | 1.5 | 12.0 | 78 | 73.9 |
| YY16977 | | 128 | 2.0 | 11.7 | 66 | 81.1 |
| YY16978 | | 104 | 3.1 | 11.7 | 82 | 78.6 |
| YY16979 | | 103 | 4.1 | 11.6 | 89 | 76.3 |
| YY16980 | | 108 | 2.3 | 12.8 | 99 | 73.0 |

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


**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| YY16981 | | 0.44 | 0.004 | 0.37 | 5.44 | 35.4 | 750 | 1.35 | 0.50 | 0.61 | 0.35 | 82.4 | 8.0 | 58 | 9.12 | 24.9 |
| YY16982 | | 0.42 | 0.007 | 0.04 | 4.58 | 18.1 | 660 | 0.93 | 0.30 | 0.68 | 0.19 | 70.0 | 9.8 | 60 | 3.66 | 17.0 |
| YY16983 | | 0.42 | 0.002 | 0.05 | 5.41 | 16.1 | 770 | 1.21 | 0.22 | 0.83 | 0.43 | 69.2 | 11.5 | 60 | 3.06 | 23.8 |
| YY16984 | | 0.44 | 0.006 | 0.03 | 5.10 | 15.3 | 750 | 1.11 | 0.24 | 0.74 | 0.14 | 73.6 | 8.6 | 63 | 3.12 | 21.0 |
| YY16985 | | 0.40 | 0.002 | 0.02 | 4.91 | 15.7 | 710 | 0.91 | 0.35 | 0.67 | 0.11 | 61.9 | 5.5 | 58 | 3.78 | 13.6 |
| YY16986 | | 0.46 | 0.002 | 0.03 | 5.68 | 16.6 | 860 | 1.26 | 0.36 | 0.80 | 0.20 | 72.1 | 9.5 | 65 | 4.00 | 24.6 |
| YY16987 | | 0.43 | 0.005 | 0.06 | 5.02 | 15.9 | 750 | 1.13 | 0.38 | 0.78 | 0.35 | 66.9 | 11.4 | 56 | 3.40 | 22.1 |
| YY16988 | | 0.39 | 0.006 | 0.04 | 5.42 | 17.3 | 730 | 1.28 | 0.63 | 0.68 | 0.27 | 65.8 | 17.3 | 57 | 3.69 | 26.2 |
| YY16989 | | 0.43 | 0.004 | 0.07 | 5.48 | 19.5 | 720 | 1.75 | 0.54 | 0.72 | 0.35 | 70.2 | 12.5 | 53 | 4.26 | 25.2 |
| YY16990 | | 0.59 | 0.003 | 0.38 | 5.77 | 34.0 | 760 | 1.49 | 1.21 | 0.62 | 0.29 | 68.0 | 5.7 | 54 | 18.20 | 35.5 |
| YY16991 | | 0.53 | 0.003 | 0.20 | 4.78 | 13.7 | 710 | 1.13 | 0.79 | 0.75 | 0.12 | 72.0 | 10.7 | 58 | 3.91 | 25.6 |
| YY16992 | | 0.45 | 0.006 | 0.12 | 5.03 | 13.6 | 790 | 1.23 | 0.60 | 0.81 | 0.24 | 74.1 | 12.2 | 57 | 3.23 | 30.5 |
| YY16993 | | 0.49 | 0.012 | 0.08 | 4.41 | 12.6 | 650 | 0.95 | 1.03 | 0.69 | 0.14 | 72.1 | 7.1 | 57 | 3.40 | 24.5 |
| YY16994 | | 0.47 | 0.006 | 0.08 | 4.95 | 15.5 | 730 | 1.20 | 2.12 | 0.79 | 0.13 | 81.1 | 6.0 | 68 | 4.25 | 30.1 |
| YY16995 | | 0.43 | 0.008 | 0.11 | 5.04 | 15.1 | 750 | 1.60 | 1.49 | 0.76 | 0.12 | 83.6 | 5.5 | 66 | 5.47 | 29.1 |
| YY16996 | | 0.43 | 0.010 | 0.11 | 4.62 | 18.6 | 690 | 1.25 | 1.93 | 0.84 | 0.26 | 98.7 | 10.2 | 58 | 4.94 | 40.1 |
| YY16997 | | 0.38 | 0.003 | 0.18 | 5.21 | 15.7 | 730 | 1.32 | 1.44 | 0.73 | 0.20 | 76.7 | 8.2 | 61 | 6.44 | 41.6 |
| YY16998 | | 0.41 | 0.002 | 0.14 | 5.58 | 15.1 | 850 | 1.64 | 2.17 | 0.79 | 0.24 | 77.2 | 9.2 | 71 | 9.95 | 48.4 |
| YY16999 | | 0.43 | 0.012 | 0.43 | 7.01 | 24.5 | 950 | 2.20 | 5.15 | 0.75 | 0.53 | 82.4 | 9.9 | 75 | 21.5 | 82.4 |
| YY17000 | | 0.42 | 0.022 | 0.23 | 6.22 | 20.1 | 900 | 2.43 | 4.79 | 0.88 | 0.44 | 105.0 | 10.5 | 68 | 15.15 | 88.6 |
| CC113969 | | 0.38 | 0.002 | 0.05 | 5.43 | 18.9 | 800 | 1.04 | 0.48 | 0.64 | 0.27 | 59.5 | 10.3 | 70 | 7.30 | 22.2 |
| CC113970 | | 0.46 | 0.007 | 0.10 | 5.68 | 19.6 | 810 | 1.14 | 0.56 | 0.76 | 0.24 | 77.3 | 7.9 | 69 | 4.29 | 24.8 |
| CC113971 | | 0.41 | 0.004 | 0.11 | 5.11 | 17.3 | 730 | 1.10 | 0.31 | 0.77 | 0.32 | 71.9 | 14.4 | 56 | 3.16 | 29.4 |
| CC113972 | | 0.43 | 0.001 | 0.07 | 5.89 | 18.3 | 790 | 1.16 | 0.45 | 0.66 | 0.48 | 59.9 | 11.9 | 66 | 4.00 | 17.2 |
| CC113973 | | 0.45 | 0.005 | 0.15 | 6.09 | 18.3 | 800 | 1.48 | 0.53 | 0.65 | 0.72 | 75.6 | 12.2 | 63 | 5.76 | 30.6 |
| CC113974 | | 0.52 | 0.002 | 0.20 | 5.39 | 21.0 | 700 | 1.43 | 1.14 | 0.65 | 0.44 | 73.0 | 11.9 | 83 | 6.19 | 29.3 |
| CC113975 | | 0.46 | 0.012 | 0.17 | 4.74 | 23.5 | 780 | 1.56 | 1.95 | 0.88 | 0.46 | 122.0 | 11.0 | 66 | 4.06 | 71.6 |
| CC113976 | | 0.48 | 0.007 | 0.18 | 5.16 | 14.2 | 740 | 1.16 | 1.51 | 0.71 | 0.11 | 75.7 | 6.1 | 62 | 6.10 | 34.5 |
| CC113977 | | 0.44 | 0.007 | 0.10 | 5.16 | 13.9 | 750 | 1.14 | 1.32 | 0.79 | 0.12 | 84.4 | 6.4 | 63 | 5.37 | 29.9 |
| CC113978 | | 0.35 | 0.009 | 0.07 | 5.53 | 15.8 | 770 | 1.24 | 1.04 | 0.75 | 0.16 | 77.6 | 9.0 | 64 | 5.80 | 32.9 |
| CC113979 | | 0.38 | 0.004 | 0.07 | 4.94 | 14.0 | 710 | 1.06 | 1.63 | 0.75 | 0.12 | 78.9 | 5.9 | 62 | 4.25 | 26.3 |
| CC113980 | | 0.44 | 0.006 | 0.12 | 5.46 | 18.4 | 810 | 1.36 | 1.07 | 0.81 | 0.13 | 81.5 | 7.5 | 64 | 5.79 | 28.8 |
| CC113981 | | 0.42 | 0.003 | 0.08 | 5.39 | 23.4 | 780 | 1.32 | 1.71 | 0.73 | 0.19 | 69.6 | 7.4 | 63 | 6.13 | 35.4 |
| CC113982 | | 0.42 | 0.013 | 0.08 | 5.84 | 14.4 | 890 | 1.72 | 1.80 | 0.71 | 0.24 | 82.4 | 8.5 | 67 | 10.45 | 37.5 |
| CC113983 | | 0.44 | 0.006 | 0.12 | 5.46 | 14.9 | 850 | 1.66 | 1.23 | 0.72 | 0.26 | 76.1 | 8.0 | 61 | 7.91 | 33.2 |
| CC113984 | | 0.47 | 0.003 | 0.17 | 6.09 | 17.0 | 900 | 2.01 | 2.84 | 0.73 | 0.63 | 91.0 | 9.2 | 69 | 14.85 | 74.2 |
| ZZ124971 | | 0.44 | 0.008 | 0.15 | 4.88 | 16.7 | 670 | 1.59 | 2.51 | 0.78 | 0.24 | 94.4 | 9.0 | 57 | 5.83 | 56.7 |
| ZZ124972 | | 0.43 | 0.012 | 0.11 | 5.10 | 14.9 | 710 | 1.34 | 1.26 | 0.75 | 0.20 | 79.8 | 13.9 | 61 | 5.14 | 46.4 |
| ZZ124973 | | 0.45 | 0.007 | 0.23 | 5.10 | 14.6 | 810 | 1.29 | 2.61 | 0.82 | 0.18 | 84.0 | 7.0 | 66 | 6.40 | 66.4 |
| ZZ124974 | | 0.47 | 0.007 | 0.34 | 5.59 | 15.7 | 810 | 1.95 | 6.64 | 0.88 | 0.23 | 88.3 | 9.2 | 65 | 11.75 | 111.0 |

***** 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
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| YY16981 | | 2.82 | 13.60 | 0.15 | 2.3 | 0.070 | 1.39 | 39.6 | 35.6 | 0.60 | 329 | 0.99 | 0.88 | 11.8 | 22.7 | 810 |
| YY16982 | | 2.94 | 11.45 | 0.14 | 2.0 | 0.059 | 1.05 | 34.9 | 19.8 | 0.56 | 567 | 1.01 | 0.88 | 11.7 | 17.6 | 790 |
| YY16983 | | 3.10 | 11.85 | 0.15 | 1.9 | 0.052 | 1.12 | 32.4 | 22.9 | 0.66 | 589 | 1.03 | 1.03 | 11.1 | 26.5 | 1090 |
| YY16984 | | 3.03 | 12.55 | 0.13 | 2.2 | 0.054 | 1.13 | 35.3 | 20.5 | 0.64 | 406 | 1.08 | 1.02 | 12.2 | 19.6 | 820 |
| YY16985 | | 2.61 | 13.15 | 0.11 | 2.0 | 0.049 | 1.12 | 30.0 | 20.2 | 0.55 | 259 | 0.89 | 0.94 | 11.7 | 15.3 | 550 |
| YY16986 | | 3.18 | 13.85 | 0.13 | 2.1 | 0.068 | 1.26 | 34.9 | 24.2 | 0.70 | 452 | 0.99 | 1.05 | 12.3 | 22.7 | 840 |
| YY16987 | | 2.79 | 11.55 | 0.15 | 2.0 | 0.056 | 1.17 | 31.8 | 21.7 | 0.62 | 548 | 0.92 | 0.96 | 11.2 | 22.4 | 920 |
| YY16988 | | 3.07 | 12.40 | 0.12 | 1.9 | 0.100 | 1.14 | 32.0 | 23.4 | 0.62 | 924 | 1.12 | 0.88 | 11.1 | 22.9 | 1190 |
| YY16989 | | 2.96 | 12.35 | 0.14 | 1.8 | 0.074 | 1.13 | 35.6 | 27.0 | 0.60 | 594 | 1.39 | 0.98 | 11.9 | 21.9 | 800 |
| YY16990 | | 2.55 | 15.60 | 0.15 | 2.0 | 0.298 | 1.37 | 34.0 | 55.2 | 0.57 | 296 | 1.37 | 0.82 | 14.5 | 14.4 | 1100 |
| YY16991 | | 2.73 | 11.50 | 0.14 | 2.0 | 0.069 | 1.06 | 35.1 | 26.3 | 0.58 | 615 | 1.32 | 0.93 | 13.2 | 16.4 | 920 |
| YY16992 | | 2.87 | 11.40 | 0.14 | 2.2 | 0.059 | 1.14 | 37.8 | 22.9 | 0.64 | 661 | 1.22 | 0.96 | 13.1 | 21.5 | 1020 |
| YY16993 | | 2.73 | 11.35 | 0.14 | 2.0 | 0.093 | 1.03 | 35.7 | 20.5 | 0.54 | 377 | 1.17 | 0.86 | 13.5 | 14.6 | 790 |
| YY16994 | | 3.03 | 13.25 | 0.15 | 2.6 | 0.101 | 1.18 | 41.0 | 22.8 | 0.62 | 325 | 1.30 | 0.92 | 16.4 | 16.5 | 810 |
| YY16995 | | 3.01 | 13.10 | 0.15 | 2.4 | 0.101 | 1.18 | 42.3 | 24.2 | 0.62 | 315 | 1.46 | 0.92 | 15.4 | 16.5 | 800 |
| YY16996 | | 2.97 | 12.05 | 0.16 | 2.4 | 0.149 | 1.06 | 49.5 | 23.3 | 0.59 | 576 | 1.26 | 0.89 | 14.4 | 19.1 | 900 |
| YY16997 | | 2.90 | 13.75 | 0.15 | 2.0 | 0.109 | 1.18 | 38.7 | 25.3 | 0.64 | 380 | 1.67 | 0.94 | 14.1 | 19.2 | 980 |
| YY16998 | | 3.25 | 14.55 | 0.15 | 2.1 | 0.145 | 1.31 | 39.4 | 29.3 | 0.73 | 457 | 1.42 | 0.95 | 14.3 | 22.3 | 910 |
| YY16999 | | 3.84 | 17.60 | 0.14 | 2.0 | 0.336 | 1.71 | 40.4 | 41.1 | 0.78 | 508 | 1.47 | 0.91 | 14.3 | 25.5 | 910 |
| YY17000 | | 3.67 | 16.15 | 0.19 | 2.4 | 0.274 | 1.60 | 51.5 | 37.2 | 0.71 | 486 | 1.26 | 0.94 | 15.2 | 26.6 | 870 |
| CC113969 | | 3.83 | 15.25 | 0.14 | 2.0 | 0.074 | 1.33 | 29.8 | 25.3 | 0.67 | 613 | 2.16 | 0.82 | 13.5 | 21.2 | 960 |
| CC113970 | | 3.10 | 13.95 | 0.14 | 2.3 | 0.073 | 1.29 | 37.9 | 24.8 | 0.65 | 410 | 1.01 | 0.92 | 14.7 | 19.8 | 890 |
| CC113971 | | 3.00 | 11.15 | 0.13 | 1.8 | 0.059 | 1.14 | 35.2 | 23.6 | 0.62 | 722 | 1.05 | 0.96 | 11.6 | 23.9 | 950 |
| CC113972 | | 3.37 | 13.60 | 0.12 | 1.8 | 0.076 | 1.26 | 29.8 | 29.6 | 0.70 | 620 | 1.15 | 0.91 | 12.0 | 21.1 | 1150 |
| CC113973 | | 3.28 | 13.80 | 0.14 | 2.0 | 0.087 | 1.32 | 35.7 | 30.4 | 0.66 | 667 | 1.16 | 0.87 | 12.5 | 25.2 | 910 |
| CC113974 | | 3.05 | 12.60 | 0.13 | 1.6 | 0.115 | 1.22 | 36.4 | 27.8 | 0.63 | 523 | 0.84 | 0.84 | 11.1 | 34.9 | 820 |
| CC113975 | | 4.01 | 11.70 | 0.18 | 2.5 | 0.124 | 1.17 | 58.4 | 22.9 | 0.59 | 413 | 1.20 | 0.93 | 14.9 | 30.1 | 860 |
| CC113976 | | 2.95 | 12.85 | 0.14 | 2.1 | 0.118 | 1.19 | 38.4 | 25.3 | 0.62 | 287 | 1.10 | 0.94 | 12.8 | 17.2 | 810 |
| CC113977 | | 2.89 | 12.80 | 0.15 | 2.5 | 0.105 | 1.21 | 41.4 | 24.7 | 0.62 | 355 | 1.02 | 0.96 | 13.7 | 18.5 | 820 |
| CC113978 | | 3.18 | 13.40 | 0.14 | 2.3 | 0.090 | 1.21 | 38.6 | 26.0 | 0.68 | 439 | 1.22 | 1.01 | 13.1 | 19.2 | 930 |
| CC113979 | | 2.92 | 12.20 | 0.15 | 2.3 | 0.082 | 1.14 | 39.2 | 23.5 | 0.61 | 310 | 1.15 | 0.96 | 13.6 | 17.2 | 840 |
| CC113980 | | 2.97 | 13.65 | 0.15 | 2.4 | 0.098 | 1.27 | 40.4 | 28.3 | 0.68 | 366 | 1.15 | 0.99 | 14.8 | 19.0 | 820 |
| CC113981 | | 3.09 | 13.35 | 0.15 | 2.1 | 0.093 | 1.22 | 35.6 | 25.7 | 0.66 | 363 | 1.27 | 0.96 | 12.9 | 19.5 | 860 |
| CC113982 | | 3.50 | 15.40 | 0.14 | 2.3 | 0.123 | 1.53 | 41.1 | 36.8 | 0.71 | 459 | 1.33 | 0.99 | 13.3 | 23.6 | 880 |
| CC113983 | | 3.18 | 13.75 | 0.15 | 2.0 | 0.117 | 1.36 | 38.6 | 33.1 | 0.67 | 415 | 1.22 | 0.96 | 12.7 | 22.2 | 710 |
| CC113984 | | 3.72 | 16.05 | 0.16 | 2.3 | 0.349 | 1.58 | 45.2 | 37.1 | 0.72 | 506 | 1.74 | 0.87 | 13.6 | 26.2 | 870 |
| ZZ124971 | | 3.08 | 13.00 | 0.16 | 2.6 | 0.215 | 1.17 | 48.4 | 25.8 | 0.56 | 510 | 1.49 | 0.88 | 18.0 | 16.5 | 1080 |
| ZZ124972 | | 3.09 | 12.95 | 0.16 | 2.7 | 0.091 | 1.17 | 40.1 | 25.0 | 0.62 | 664 | 1.65 | 0.92 | 14.8 | 19.9 | 1080 |
| ZZ124973 | | 2.98 | 12.55 | 0.15 | 2.1 | 0.126 | 1.20 | 41.4 | 26.6 | 0.69 | 346 | 1.99 | 0.91 | 14.7 | 21.6 | 980 |
| ZZ124974 | | 3.33 | 14.75 | 0.15 | 2.2 | 0.203 | 1.29 | 45.4 | 32.5 | 0.74 | 414 | 2.70 | 0.89 | 17.9 | 27.9 | 1140 |

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

ALS Canada Ltd.
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Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| YY16981 | | 18.1 | 70.8 | <0.002 | 0.04 | 1.05 | 9.6 | 1 | 2.5 | 131.5 | 0.82 | <0.05 | 11.25 | 0.400 | 0.66 | 2.8 |
| YY16982 | | 13.1 | 53.9 | <0.002 | 0.02 | 1.01 | 7.9 | 1 | 2.3 | 126.0 | 0.78 | <0.05 | 9.26 | 0.448 | 0.46 | 2.2 |
| YY16983 | | 13.2 | 54.9 | <0.002 | 0.01 | 1.13 | 9.2 | 1 | 1.7 | 152.0 | 0.74 | <0.05 | 9.82 | 0.395 | 0.44 | 2.3 |
| YY16984 | | 13.3 | 54.9 | <0.002 | 0.01 | 1.15 | 9.3 | 1 | 1.8 | 147.0 | 0.80 | <0.05 | 10.40 | 0.450 | 0.46 | 2.6 |
| YY16985 | | 14.1 | 56.1 | <0.002 | 0.01 | 0.99 | 8.7 | <1 | 2.2 | 134.5 | 0.79 | <0.05 | 8.47 | 0.415 | 0.51 | 2.2 |
| YY16986 | | 15.0 | 63.9 | <0.002 | 0.02 | 1.29 | 10.9 | 1 | 2.4 | 155.5 | 0.83 | <0.05 | 10.30 | 0.439 | 0.59 | 2.8 |
| YY16987 | | 12.5 | 57.3 | 0.002 | 0.01 | 1.15 | 8.8 | 1 | 2.4 | 144.0 | 0.75 | <0.05 | 9.98 | 0.398 | 0.48 | 2.4 |
| YY16988 | | 15.8 | 60.1 | <0.002 | 0.01 | 1.16 | 9.3 | 1 | 3.9 | 130.5 | 0.72 | <0.05 | 10.10 | 0.378 | 0.53 | 2.4 |
| YY16989 | | 15.2 | 67.8 | <0.002 | 0.02 | 1.29 | 8.4 | 1 | 2.4 | 134.5 | 0.86 | <0.05 | 11.45 | 0.356 | 0.54 | 2.9 |
| YY16990 | | 19.0 | 102.0 | <0.002 | 0.02 | 0.91 | 9.1 | 1 | 5.1 | 128.0 | 1.17 | <0.05 | 10.75 | 0.389 | 0.93 | 4.7 |
| YY16991 | | 14.2 | 55.5 | <0.002 | 0.03 | 0.95 | 8.4 | 1 | 2.5 | 135.5 | 0.95 | <0.05 | 10.05 | 0.446 | 0.52 | 3.9 |
| YY16992 | | 13.2 | 64.2 | <0.002 | 0.02 | 1.24 | 9.2 | 1 | 2.3 | 141.5 | 0.98 | <0.05 | 10.85 | 0.429 | 0.43 | 4.2 |
| YY16993 | | 14.8 | 56.3 | <0.002 | 0.02 | 0.98 | 8.1 | 1 | 3.0 | 125.5 | 0.97 | <0.05 | 9.84 | 0.430 | 0.45 | 3.3 |
| YY16994 | | 17.0 | 66.5 | <0.002 | 0.01 | 1.07 | 9.5 | 1 | 5.0 | 135.5 | 1.29 | <0.05 | 12.35 | 0.527 | 0.62 | 4.2 |
| YY16995 | | 15.2 | 63.5 | <0.002 | 0.02 | 1.27 | 9.4 | 1 | 4.4 | 134.5 | 1.08 | <0.05 | 11.60 | 0.498 | 0.64 | 4.4 |
| YY16996 | | 16.3 | 62.6 | <0.002 | 0.02 | 1.03 | 9.0 | 1 | 6.4 | 136.0 | 1.00 | <0.05 | 12.70 | 0.473 | 0.52 | 4.0 |
| YY16997 | | 15.9 | 72.8 | <0.002 | 0.03 | 1.14 | 9.5 | 1 | 4.5 | 139.5 | 0.97 | <0.05 | 10.65 | 0.426 | 0.68 | 4.1 |
| YY16998 | | 15.1 | 81.0 | <0.002 | 0.02 | 1.09 | 10.4 | <1 | 7.0 | 144.0 | 0.94 | <0.05 | 11.90 | 0.441 | 0.94 | 3.8 |
| YY16999 | | 38.9 | 126.0 | <0.002 | 0.05 | 1.35 | 11.4 | 1 | 21.1 | 146.0 | 0.95 | 0.06 | 14.25 | 0.431 | 1.59 | 3.3 |
| YY17000 | | 16.6 | 114.0 | <0.002 | 0.04 | 1.21 | 10.9 | 1 | 15.9 | 149.0 | 0.94 | <0.05 | 16.55 | 0.481 | 1.38 | 3.6 |
| CC113969 | | 15.1 | 75.0 | <0.002 | 0.02 | 1.21 | 9.7 | 1 | 2.9 | 125.0 | 0.88 | 0.06 | 8.41 | 0.450 | 0.62 | 2.4 |
| CC113970 | | 14.3 | 64.7 | <0.002 | 0.02 | 1.18 | 10.3 | 1 | 3.3 | 137.5 | 0.95 | <0.05 | 10.70 | 0.494 | 0.66 | 2.8 |
| CC113971 | | 13.6 | 54.4 | <0.002 | 0.02 | 1.19 | 8.8 | 1 | 2.0 | 140.0 | 0.75 | <0.05 | 9.75 | 0.399 | 0.44 | 2.3 |
| CC113972 | | 16.4 | 63.9 | <0.002 | 0.02 | 1.10 | 9.8 | 1 | 2.6 | 132.5 | 0.78 | <0.05 | 8.54 | 0.399 | 0.54 | 2.2 |
| CC113973 | | 17.1 | 70.0 | <0.002 | 0.03 | 1.18 | 9.9 | 1 | 3.4 | 131.0 | 0.82 | <0.05 | 10.85 | 0.403 | 0.67 | 2.6 |
| CC113974 | | 13.6 | 67.1 | <0.002 | 0.02 | 1.20 | 9.6 | 1 | 6.1 | 121.5 | 0.74 | <0.05 | 9.95 | 0.375 | 0.65 | 2.5 |
| CC113975 | | 14.8 | 62.0 | <0.002 | 0.01 | 1.37 | 9.9 | 1 | 6.4 | 149.5 | 1.07 | <0.05 | 16.15 | 0.511 | 0.66 | 5.1 |
| CC113976 | | 14.2 | 63.7 | <0.002 | 0.02 | 1.07 | 9.5 | 1 | 5.4 | 135.0 | 0.90 | <0.05 | 10.95 | 0.439 | 0.72 | 3.2 |
| CC113977 | | 14.5 | 63.2 | <0.002 | 0.02 | 1.06 | 9.4 | 1 | 5.0 | 138.5 | 0.97 | <0.05 | 11.55 | 0.487 | 0.67 | 3.4 |
| CC113978 | | 14.8 | 67.3 | <0.002 | 0.03 | 1.09 | 9.6 | <1 | 3.9 | 145.5 | 0.90 | 0.05 | 10.40 | 0.456 | 0.65 | 3.3 |
| CC113979 | | 13.8 | 57.4 | <0.002 | 0.02 | 1.02 | 9.0 | 1 | 3.5 | 138.5 | 0.93 | 0.05 | 10.55 | 0.472 | 0.51 | 3.1 |
| CC113980 | | 14.9 | 71.1 | <0.002 | 0.02 | 1.11 | 10.1 | 1 | 4.1 | 146.0 | 1.12 | <0.05 | 12.10 | 0.456 | 0.66 | 4.2 |
| CC113981 | | 14.3 | 65.3 | <0.002 | 0.03 | 1.15 | 9.5 | 1 | 4.0 | 139.5 | 0.92 | <0.05 | 10.05 | 0.429 | 0.64 | 3.2 |
| CC113982 | | 15.3 | 91.4 | <0.002 | 0.05 | 1.16 | 10.1 | 1 | 7.9 | 141.5 | 0.89 | 0.05 | 13.00 | 0.431 | 0.87 | 2.8 |
| CC113983 | | 14.9 | 79.1 | <0.002 | 0.03 | 1.11 | 9.6 | 1 | 5.9 | 140.0 | 0.81 | <0.05 | 11.15 | 0.415 | 0.78 | 2.8 |
| CC113984 | | 19.2 | 103.0 | <0.002 | 0.07 | 1.17 | 10.5 | 1 | 18.2 | 144.0 | 0.86 | 0.06 | 13.95 | 0.418 | 1.17 | 3.3 |
| ZZ124971 | | 19.6 | 80.2 | <0.002 | 0.02 | 1.07 | 8.1 | 1 | 8.1 | 126.5 | 1.73 | <0.05 | 16.55 | 0.448 | 0.74 | 5.6 |
| ZZ124972 | | 17.6 | 71.2 | <0.002 | 0.02 | 1.14 | 9.0 | 1 | 3.5 | 136.0 | 1.12 | <0.05 | 12.65 | 0.469 | 0.62 | 5.7 |
| ZZ124973 | | 16.2 | 66.9 | <0.002 | 0.04 | 1.06 | 9.3 | 1 | 4.4 | 138.0 | 0.98 | <0.05 | 13.50 | 0.452 | 0.71 | 6.4 |
| ZZ124974 | | 15.0 | 88.4 | <0.002 | 0.07 | 1.10 | 9.8 | 1 | 10.4 | 147.0 | 1.37 | 0.05 | 15.25 | 0.456 | 1.11 | 6.9 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| YY16981 | | 95 | 1.8 | 12.9 | 87 | 77.0 |
| YY16982 | | 100 | 1.6 | 11.2 | 66 | 69.0 |
| YY16983 | | 101 | 1.5 | 13.1 | 117 | 63.2 |
| YY16984 | | 107 | 2.1 | 13.1 | 65 | 71.2 |
| YY16985 | | 108 | 1.8 | 10.7 | 51 | 65.8 |
| YY16986 | | 114 | 2.7 | 15.0 | 79 | 68.6 |
| YY16987 | | 96 | 1.9 | 13.0 | 80 | 66.4 |
| YY16988 | | 97 | 3.5 | 15.3 | 82 | 63.8 |
| YY16989 | | 92 | 2.1 | 13.5 | 78 | 73.3 |
| YY16990 | | 102 | 3.5 | 13.9 | 65 | 70.5 |
| YY16991 | | 99 | 1.9 | 13.2 | 60 | 73.9 |
| YY16992 | | 104 | 1.8 | 16.7 | 80 | 80.3 |
| YY16993 | | 99 | 2.1 | 11.9 | 51 | 73.2 |
| YY16994 | | 114 | 5.3 | 15.3 | 59 | 92.4 |
| YY16995 | | 115 | 4.0 | 15.1 | 57 | 87.4 |
| YY16996 | | 99 | 3.2 | 16.2 | 70 | 86.6 |
| YY16997 | | 105 | 2.8 | 13.8 | 68 | 78.3 |
| YY16998 | | 116 | 5.3 | 14.5 | 88 | 76.7 |
| YY16999 | | 116 | 9.4 | 15.3 | 154 | 74.4 |
| YY17000 | | 108 | 24.6 | 19.1 | 116 | 86.8 |
| CC113969 | | 129 | 2.3 | 11.2 | 87 | 72.2 |
| CC113970 | | 120 | 2.8 | 13.9 | 79 | 81.0 |
| CC113971 | | 96 | 1.4 | 14.5 | 86 | 69.2 |
| CC113972 | | 114 | 2.1 | 11.6 | 110 | 67.4 |
| CC113973 | | 101 | 3.9 | 13.3 | 130 | 63.8 |
| CC113974 | | 90 | 3.9 | 13.6 | 111 | 67.1 |
| CC113975 | | 105 | 3.9 | 19.7 | 93 | 93.2 |
| CC113976 | | 103 | 4.3 | 14.5 | 64 | 75.7 |
| CC113977 | | 108 | 3.9 | 14.7 | 61 | 91.9 |
| CC113978 | | 111 | 3.0 | 13.8 | 71 | 81.7 |
| CC113979 | | 104 | 3.7 | 13.8 | 58 | 85.1 |
| CC113980 | | 111 | 3.9 | 15.4 | 67 | 87.2 |
| CC113981 | | 111 | 4.3 | 14.0 | 73 | 75.5 |
| CC113982 | | 110 | 6.7 | 13.8 | 93 | 79.0 |
| CC113983 | | 106 | 4.8 | 14.2 | 89 | 76.2 |
| CC113984 | | 114 | 4.4 | 15.3 | 204 | 82.8 |
| ZZ124971 | | 98 | 4.0 | 16.4 | 75 | 85.7 |
| ZZ124972 | | 105 | 4.3 | 14.9 | 71 | 89.4 |
| ZZ124973 | | 120 | 4.7 | 14.5 | 75 | 76.8 |
| ZZ124974 | | 119 | 5.5 | 17.5 | 79 | 80.2 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124975 | | 0.44 | 0.014 | 0.74 | 5.89 | 37.2 | 940 | 1.84 | 6.11 | 0.85 | 0.72 | 93.1 | 10.3 | 98 | 19.85 | 164.0 |
| ZZ124976 | | 0.47 | 0.003 | 0.56 | 8.34 | 47.5 | 740 | 4.26 | 4.82 | 0.72 | 0.34 | 122.0 | 20.0 | 265 | 28.4 | 297 |
| ZZ124977 | | 0.46 | 0.002 | 0.11 | 6.00 | 12.9 | 760 | 2.72 | 2.36 | 0.67 | 1.38 | 73.5 | 10.4 | 79 | 16.95 | 48.8 |
| ZZ124978 | | 0.41 | 0.014 | 1.26 | 6.52 | 16.6 | 1040 | 3.64 | 12.90 | 1.58 | 1.42 | 102.0 | 23.7 | 106 | 34.7 | 343 |
| ZZ124979 | | 0.46 | 0.005 | 0.61 | 5.45 | 11.4 | 990 | 2.03 | 7.99 | 1.76 | 0.60 | 95.0 | 21.2 | 65 | 14.75 | 155.0 |
| ZZ124980 | | 0.38 | 0.006 | 0.04 | 5.99 | 25.6 | 850 | 1.41 | 0.72 | 0.69 | 0.26 | 68.8 | 10.7 | 63 | 4.28 | 21.5 |
| ZZ124981 | | 0.35 | 0.005 | 0.05 | 5.60 | 20.1 | 760 | 1.13 | 1.11 | 0.53 | 0.23 | 67.9 | 7.5 | 66 | 5.27 | 20.5 |
| ZZ124982 | | 0.43 | 0.002 | 0.06 | 6.74 | 24.4 | 920 | 1.48 | 1.30 | 0.55 | 0.19 | 76.0 | 7.5 | 73 | 8.16 | 21.1 |
| ZZ124983 | | 0.37 | 0.003 | 0.12 | 4.81 | 15.3 | 690 | 0.89 | 0.33 | 0.52 | 0.23 | 57.5 | 6.2 | 66 | 5.23 | 16.8 |
| ZZ124984 | | 0.40 | 0.002 | 0.09 | 5.88 | 18.4 | 860 | 1.60 | 0.52 | 0.74 | 0.20 | 71.4 | 9.8 | 68 | 5.61 | 23.1 |
| ZZ124985 | | 0.40 | 0.002 | 0.08 | 5.74 | 20.2 | 800 | 1.52 | 0.55 | 0.67 | 0.37 | 68.7 | 13.4 | 64 | 6.30 | 24.8 |
| ZZ124986 | | 0.36 | 0.006 | 0.08 | 5.68 | 14.4 | 740 | 1.66 | 1.23 | 0.63 | 0.18 | 65.5 | 10.1 | 57 | 8.73 | 41.0 |
| ZZ124987 | | 0.41 | 0.003 | 0.07 | 5.37 | 15.3 | 770 | 1.32 | 1.50 | 0.65 | 0.15 | 67.4 | 6.0 | 60 | 4.76 | 23.5 |
| ZZ124988 | | 0.42 | 0.001 | 0.12 | 4.77 | 18.7 | 690 | 1.22 | 1.14 | 0.71 | 0.23 | 62.5 | 9.8 | 51 | 2.95 | 26.3 |
| ZZ124989 | | 0.35 | 0.003 | 0.15 | 5.39 | 17.6 | 730 | 1.44 | 1.38 | 0.69 | 0.35 | 66.0 | 12.7 | 52 | 3.44 | 37.8 |
| ZZ124990 | | 0.42 | 0.003 | 0.58 | 5.87 | 40.0 | 840 | 1.56 | 0.56 | 0.67 | 0.71 | 85.2 | 10.9 | 62 | 9.31 | 31.9 |
| ZZ124991 | | 0.41 | 0.003 | 0.04 | 4.87 | 14.1 | 720 | 1.08 | 0.28 | 0.82 | 0.18 | 80.9 | 9.1 | 56 | 2.59 | 22.8 |
| ZZ124992 | | 0.42 | 0.023 | 0.10 | 4.95 | 26.6 | 750 | 1.32 | 15.00 | 0.81 | 0.26 | 74.1 | 17.1 | 56 | 3.47 | 26.5 |
| ZZ124993 | | 0.34 | 0.003 | 0.08 | 4.96 | 14.9 | 710 | 1.37 | 2.78 | 0.73 | 0.23 | 81.6 | 7.8 | 54 | 4.32 | 23.4 |
| ZZ124994 | | 0.36 | 0.003 | 0.08 | 4.96 | 12.7 | 720 | 1.19 | 1.15 | 0.76 | 0.17 | 70.3 | 8.5 | 57 | 3.55 | 23.1 |
| ZZ124995 | | 0.41 | 0.003 | 0.11 | 4.68 | 11.9 | 690 | 1.21 | 1.97 | 0.75 | 0.14 | 81.6 | 6.5 | 54 | 3.54 | 24.2 |
| ZZ124996 | | 0.39 | 0.002 | 0.17 | 4.68 | 13.4 | 720 | 1.16 | 0.42 | 0.75 | 0.22 | 71.3 | 8.0 | 47 | 2.43 | 33.5 |
| ZZ124997 | | 0.39 | 0.003 | 0.08 | 4.79 | 12.1 | 710 | 1.10 | 0.99 | 0.75 | 0.15 | 84.5 | 6.5 | 55 | 4.02 | 30.6 |
| ZZ124998 | | 0.42 | 0.002 | 0.37 | 4.94 | 18.3 | 760 | 1.25 | 0.67 | 0.78 | 0.31 | 66.5 | 10.1 | 51 | 2.72 | 55.0 |
| ZZ124999 | | 0.40 | 0.002 | 0.11 | 4.95 | 12.8 | 740 | 1.25 | 0.94 | 0.77 | 0.17 | 72.0 | 8.8 | 54 | 3.64 | 48.5 |
| ZZ125000 | | 0.36 | 0.002 | 0.05 | 4.30 | 12.3 | 610 | 0.93 | 1.67 | 0.60 | 0.10 | 61.8 | 3.9 | 49 | 4.23 | 29.7 |
| ZZ124711 | | 0.34 | 0.002 | 0.14 | 5.09 | 15.0 | 760 | 1.18 | 1.09 | 0.73 | 0.25 | 64.9 | 6.8 | 60 | 4.42 | 56.0 |
| ZZ124712 | | 0.38 | 0.003 | 0.43 | 6.26 | 20.0 | 880 | 2.31 | 2.32 | 0.93 | 0.53 | 87.6 | 13.6 | 72 | 13.05 | 177.5 |
| ZZ124713 | | 0.41 | 0.003 | 0.15 | 5.41 | 14.1 | 780 | 1.60 | 0.75 | 0.75 | 0.25 | 72.8 | 9.8 | 62 | 7.25 | 111.5 |
| ZZ124714 | | 0.43 | 0.006 | 0.24 | 5.75 | 18.8 | 840 | 1.40 | 2.84 | 0.80 | 0.24 | 73.5 | 8.3 | 71 | 8.83 | 67.2 |
| ZZ124715 | | 0.37 | 0.007 | 0.32 | 6.20 | 22.9 | 840 | 1.97 | 8.89 | 0.79 | 0.41 | 85.6 | 13.7 | 73 | 13.30 | 100.5 |
| ZZ124716 | | 0.42 | 0.004 | 0.15 | 5.55 | 15.1 | 810 | 1.62 | 3.00 | 0.76 | 0.28 | 71.7 | 7.8 | 68 | 11.55 | 63.6 |
| ZZ124717 | | 0.42 | 0.017 | 0.26 | 6.42 | 15.3 | 1000 | 1.95 | 10.90 | 1.73 | 0.58 | 78.4 | 12.6 | 87 | 19.50 | 100.5 |
| ZZ124718 | | 0.43 | 0.001 | 0.63 | 6.23 | 20.8 | 920 | 2.63 | 4.98 | 0.79 | 0.63 | 77.6 | 14.5 | 70 | 21.7 | 97.1 |
| ZZ124719 | | 0.37 | 0.002 | 0.77 | 6.31 | 24.7 | 890 | 2.13 | 1.89 | 0.66 | 0.68 | 68.9 | 11.5 | 77 | 22.6 | 68.8 |
| ZZ124720 | | 0.36 | 0.005 | 0.16 | 4.97 | 14.8 | 720 | 1.41 | 4.35 | 0.75 | 0.30 | 68.9 | 8.7 | 62 | 9.77 | 59.6 |
| ZZ124721 | | 0.38 | 0.012 | 0.20 | 6.18 | 23.0 | 840 | 1.86 | 2.77 | 0.72 | 0.46 | 71.5 | 17.0 | 70 | 11.40 | 114.0 |
| ZZ124722 | | 0.44 | 0.005 | 0.49 | 6.62 | 15.0 | 830 | 2.18 | 7.84 | 0.76 | 0.45 | 69.3 | 12.6 | 72 | 17.40 | 157.0 |
| ZZ124723 | | 0.38 | 0.005 | 0.21 | 6.29 | 19.9 | 880 | 1.83 | 5.43 | 0.74 | 0.25 | 72.2 | 8.9 | 72 | 18.70 | 92.5 |
| ZZ124724 | | 0.37 | 0.002 | 0.14 | 4.85 | 17.0 | 780 | 1.37 | 1.08 | 0.79 | 0.30 | 67.4 | 9.3 | 60 | 6.49 | 58.6 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124975 | | 4.32 | 15.75 | 0.17 | 2.3 | 0.411 | 1.44 | 48.6 | 40.0 | 1.19 | 711 | 3.31 | 0.60 | 24.3 | 47.2 | 1150 |
| ZZ124976 | | 8.42 | 23.5 | 0.18 | 2.2 | 0.940 | 1.20 | 66.9 | 35.6 | 1.21 | 487 | 9.39 | 0.31 | 24.3 | 61.3 | 1760 |
| ZZ124977 | | 4.09 | 15.00 | 0.13 | 1.7 | 1.045 | 1.18 | 35.9 | 32.9 | 0.69 | 494 | 1.19 | 0.73 | 13.5 | 36.8 | 690 |
| ZZ124978 | | 5.96 | 17.25 | 0.18 | 2.2 | 2.00 | 1.61 | 53.9 | 46.7 | 1.62 | 1040 | 1.38 | 0.77 | 19.2 | 66.2 | 1120 |
| ZZ124979 | | 3.63 | 13.90 | 0.16 | 2.0 | 0.350 | 1.39 | 47.1 | 36.8 | 1.22 | 672 | 0.85 | 1.01 | 14.1 | 35.3 | 880 |
| ZZ124980 | | 3.23 | 14.60 | 0.13 | 1.9 | 0.059 | 1.40 | 33.4 | 29.1 | 0.70 | 451 | 1.11 | 0.97 | 11.6 | 23.6 | 750 |
| ZZ124981 | | 3.19 | 14.80 | 0.13 | 2.0 | 0.070 | 1.43 | 32.8 | 27.3 | 0.57 | 388 | 1.24 | 0.76 | 12.0 | 19.4 | 890 |
| ZZ124982 | | 3.35 | 18.10 | 0.17 | 2.1 | 0.090 | 1.80 | 37.8 | 37.7 | 0.66 | 321 | 1.08 | 0.82 | 14.2 | 19.5 | 670 |
| ZZ124983 | | 3.35 | 14.45 | 0.12 | 2.0 | 0.056 | 1.14 | 29.0 | 20.6 | 0.50 | 384 | 1.40 | 0.69 | 11.5 | 15.5 | 1550 |
| ZZ124984 | | 3.25 | 15.10 | 0.15 | 1.9 | 0.070 | 1.36 | 35.0 | 29.7 | 0.68 | 438 | 1.23 | 0.98 | 12.3 | 21.0 | 850 |
| ZZ124985 | | 3.24 | 14.80 | 0.14 | 1.8 | 0.083 | 1.33 | 32.6 | 33.0 | 0.64 | 774 | 1.17 | 0.94 | 11.5 | 22.5 | 850 |
| ZZ124986 | | 3.14 | 13.65 | 0.14 | 1.5 | 0.096 | 1.21 | 31.9 | 39.0 | 0.65 | 475 | 0.91 | 0.89 | 10.8 | 22.5 | 730 |
| ZZ124987 | | 2.85 | 15.10 | 0.15 | 1.9 | 0.089 | 1.19 | 33.5 | 25.9 | 0.58 | 266 | 1.18 | 0.94 | 12.6 | 15.5 | 670 |
| ZZ124988 | | 2.77 | 11.60 | 0.15 | 1.6 | 0.078 | 1.05 | 30.7 | 24.8 | 0.58 | 439 | 1.02 | 0.91 | 9.9 | 22.5 | 860 |
| ZZ124989 | | 2.89 | 12.40 | 0.15 | 1.7 | 0.106 | 1.12 | 30.9 | 26.4 | 0.61 | 646 | 1.19 | 0.96 | 10.4 | 22.2 | 850 |
| ZZ124990 | | 3.17 | 14.85 | 0.16 | 2.3 | 0.066 | 1.52 | 42.4 | 42.0 | 0.66 | 425 | 0.95 | 0.91 | 11.3 | 30.0 | 820 |
| ZZ124991 | | 2.73 | 11.55 | 0.16 | 2.0 | 0.047 | 1.08 | 40.9 | 21.1 | 0.61 | 405 | 0.88 | 1.04 | 10.7 | 21.2 | 920 |
| ZZ124992 | | 3.20 | 12.80 | 0.15 | 1.9 | 0.122 | 1.18 | 36.5 | 22.7 | 0.62 | 944 | 1.10 | 1.00 | 11.8 | 23.1 | 1090 |
| ZZ124993 | | 2.99 | 12.55 | 0.17 | 2.1 | 0.089 | 1.11 | 40.8 | 24.8 | 0.58 | 378 | 1.04 | 0.94 | 12.0 | 17.5 | 820 |
| ZZ124994 | | 2.83 | 12.30 | 0.15 | 1.8 | 0.060 | 1.16 | 35.6 | 23.0 | 0.60 | 476 | 0.95 | 1.01 | 11.9 | 16.4 | 1020 |
| ZZ124995 | | 2.66 | 12.75 | 0.16 | 2.2 | 0.055 | 1.09 | 40.7 | 23.2 | 0.55 | 324 | 1.08 | 0.96 | 13.5 | 16.4 | 880 |
| ZZ124996 | | 2.60 | 11.05 | 0.14 | 1.8 | 0.043 | 1.09 | 34.6 | 21.5 | 0.59 | 286 | 0.70 | 1.01 | 9.7 | 22.7 | 780 |
| ZZ124997 | | 2.80 | 12.65 | 0.16 | 1.9 | 0.055 | 1.13 | 42.2 | 22.2 | 0.58 | 337 | 1.17 | 0.94 | 12.7 | 16.2 | 920 |
| ZZ124998 | | 3.00 | 11.60 | 0.16 | 1.7 | 0.054 | 1.13 | 33.1 | 23.5 | 0.62 | 362 | 1.10 | 1.04 | 9.6 | 25.4 | 850 |
| ZZ124999 | | 2.83 | 11.25 | 0.15 | 1.9 | 0.068 | 1.13 | 34.4 | 22.8 | 0.62 | 415 | 0.97 | 0.97 | 11.0 | 19.1 | 850 |
| ZZ125000 | | 2.09 | 12.60 | 0.13 | 1.8 | 0.070 | 0.98 | 31.2 | 18.9 | 0.47 | 209 | 0.98 | 0.82 | 12.2 | 11.9 | 800 |
| ZZ124711 | | 2.82 | 13.70 | 0.16 | 2.0 | 0.074 | 1.18 | 31.6 | 24.0 | 0.62 | 311 | 1.26 | 0.98 | 12.2 | 19.8 | 990 |
| ZZ124712 | | 3.26 | 16.45 | 0.18 | 2.2 | 0.182 | 1.60 | 44.0 | 35.2 | 0.79 | 502 | 2.46 | 0.95 | 20.3 | 32.1 | 1300 |
| ZZ124713 | | 2.99 | 14.25 | 0.16 | 1.9 | 0.086 | 1.26 | 35.4 | 25.8 | 0.68 | 374 | 1.55 | 0.96 | 13.1 | 20.8 | 1020 |
| ZZ124714 | | 3.30 | 15.25 | 0.16 | 2.3 | 0.234 | 1.30 | 36.3 | 27.4 | 0.77 | 348 | 1.47 | 0.99 | 13.6 | 25.1 | 1110 |
| ZZ124715 | | 3.73 | 16.30 | 0.16 | 2.0 | 0.494 | 1.39 | 43.1 | 31.5 | 0.85 | 747 | 1.42 | 0.93 | 14.6 | 28.6 | 1010 |
| ZZ124716 | | 3.30 | 14.05 | 0.15 | 1.9 | 0.317 | 1.28 | 35.3 | 28.9 | 0.73 | 433 | 1.44 | 0.86 | 13.2 | 22.9 | 900 |
| ZZ124717 | | 4.10 | 17.05 | 0.14 | 2.2 | 0.427 | 1.42 | 39.0 | 38.0 | 1.26 | 765 | 1.40 | 0.97 | 14.9 | 36.0 | 1330 |
| ZZ124718 | | 3.70 | 17.35 | 0.15 | 2.0 | 0.259 | 1.53 | 37.7 | 47.7 | 0.85 | 715 | 2.24 | 0.78 | 14.3 | 33.3 | 1140 |
| ZZ124719 | | 3.84 | 16.85 | 0.15 | 1.9 | 0.151 | 1.54 | 33.6 | 45.3 | 0.89 | 736 | 2.37 | 0.78 | 13.6 | 32.6 | 1320 |
| ZZ124720 | | 3.03 | 12.90 | 0.14 | 1.9 | 0.117 | 1.17 | 33.6 | 27.0 | 0.62 | 713 | 1.38 | 0.82 | 12.7 | 20.4 | 1160 |
| ZZ124721 | | 3.63 | 16.65 | 0.15 | 1.9 | 0.112 | 1.40 | 34.7 | 35.4 | 0.82 | 836 | 1.60 | 0.98 | 12.6 | 27.8 | 1020 |
| ZZ124722 | | 3.71 | 17.25 | 0.18 | 1.9 | 0.178 | 1.46 | 34.0 | 36.0 | 0.85 | 746 | 1.62 | 0.96 | 14.9 | 26.3 | 1190 |
| ZZ124723 | | 3.70 | 17.70 | 0.15 | 1.9 | 0.241 | 1.58 | 35.9 | 38.4 | 0.86 | 477 | 2.18 | 0.79 | 14.6 | 25.7 | 1220 |
| ZZ124724 | | 3.04 | 13.15 | 0.14 | 1.6 | 0.094 | 1.18 | 33.0 | 27.6 | 0.66 | 448 | 1.35 | 0.92 | 12.7 | 24.0 | 700 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124975 | | 50.6 | 107.5 | <0.002 | 0.12 | 1.10 | 11.9 | 2 | 20.3 | 134.0 | 1.36 | 0.10 | 11.05 | 0.544 | 1.98 | 4.3 |
| ZZ124976 | | 21.6 | 135.5 | <0.002 | 0.59 | 1.64 | 21.9 | 4 | 52.3 | 286 | 1.33 | 0.10 | 10.45 | 0.703 | 3.02 | 7.3 |
| ZZ124977 | | 16.1 | 75.7 | <0.002 | 0.04 | 1.32 | 9.3 | 1 | 45.7 | 124.5 | 0.85 | 0.06 | 9.58 | 0.401 | 1.45 | 2.3 |
| ZZ124978 | | 37.7 | 153.5 | <0.002 | 0.05 | 1.31 | 11.8 | 2 | 84.0 | 178.5 | 1.17 | 0.05 | 12.05 | 0.487 | 2.26 | 3.6 |
| ZZ124979 | | 12.6 | 72.6 | <0.002 | 0.02 | 1.11 | 9.8 | 1 | 17.7 | 185.5 | 0.89 | <0.05 | 12.50 | 0.440 | 0.87 | 2.6 |
| ZZ124980 | | 16.2 | 70.1 | <0.002 | 0.02 | 1.18 | 10.2 | 1 | 2.2 | 146.0 | 0.78 | 0.05 | 10.70 | 0.389 | 0.60 | 2.3 |
| ZZ124981 | | 16.5 | 73.8 | <0.002 | 0.02 | 1.10 | 9.1 | 1 | 3.0 | 113.5 | 0.85 | 0.05 | 11.10 | 0.423 | 0.73 | 2.4 |
| ZZ124982 | | 18.2 | 97.8 | <0.002 | 0.02 | 1.06 | 11.0 | 1 | 4.6 | 122.0 | 0.97 | 0.06 | 12.25 | 0.452 | 0.94 | 2.8 |
| ZZ124983 | | 13.6 | 60.0 | <0.002 | 0.04 | 1.02 | 8.8 | 1 | 2.3 | 103.5 | 0.80 | 0.06 | 8.47 | 0.428 | 0.68 | 2.4 |
| ZZ124984 | | 15.6 | 76.0 | <0.002 | 0.02 | 1.10 | 10.2 | 1 | 2.9 | 142.5 | 0.96 | 0.05 | 11.55 | 0.423 | 0.73 | 4.1 |
| ZZ124985 | | 16.0 | 74.1 | <0.002 | 0.02 | 1.13 | 10.7 | 1 | 2.7 | 139.5 | 0.81 | <0.05 | 10.80 | 0.373 | 0.72 | 2.7 |
| ZZ124986 | | 12.8 | 70.2 | <0.002 | 0.02 | 0.96 | 8.7 | 1 | 4.4 | 123.0 | 0.78 | <0.05 | 10.05 | 0.385 | 0.70 | 2.4 |
| ZZ124987 | | 14.5 | 69.4 | <0.002 | 0.01 | 0.94 | 9.9 | 1 | 2.6 | 134.0 | 0.92 | <0.05 | 10.50 | 0.404 | 0.65 | 3.8 |
| ZZ124988 | | 12.6 | 55.0 | <0.002 | 0.01 | 1.26 | 8.2 | 1 | 1.7 | 131.0 | 0.70 | <0.05 | 9.40 | 0.345 | 0.43 | 5.7 |
| ZZ124989 | | 13.5 | 57.8 | <0.002 | 0.02 | 1.07 | 9.0 | 1 | 2.6 | 138.0 | 0.75 | 0.05 | 10.40 | 0.339 | 0.44 | 5.2 |
| ZZ124990 | | 19.4 | 76.0 | <0.002 | 0.04 | 1.19 | 10.3 | 1 | 2.5 | 139.5 | 0.79 | <0.05 | 13.10 | 0.403 | 0.87 | 3.2 |
| ZZ124991 | | 12.1 | 50.5 | <0.002 | 0.02 | 1.01 | 8.7 | 1 | 1.4 | 150.0 | 0.85 | <0.05 | 10.90 | 0.403 | 0.46 | 5.4 |
| ZZ124992 | | 15.3 | 62.0 | <0.002 | 0.02 | 1.27 | 9.0 | 1 | 2.7 | 147.5 | 0.79 | <0.05 | 10.60 | 0.404 | 0.46 | 2.8 |
| ZZ124993 | | 13.1 | 65.6 | <0.002 | 0.02 | 0.98 | 8.7 | 1 | 2.6 | 135.0 | 0.83 | <0.05 | 15.65 | 0.400 | 0.54 | 4.9 |
| ZZ124994 | | 12.4 | 62.5 | <0.002 | 0.02 | 0.89 | 8.2 | 1 | 2.1 | 141.5 | 0.89 | <0.05 | 10.95 | 0.405 | 0.49 | 2.9 |
| ZZ124995 | | 12.3 | 61.1 | <0.002 | 0.02 | 1.04 | 8.5 | 1 | 2.2 | 141.0 | 1.13 | <0.05 | 12.50 | 0.434 | 0.50 | 3.5 |
| ZZ124996 | | 11.3 | 50.2 | <0.002 | 0.01 | 1.05 | 8.3 | 1 | 1.4 | 147.0 | 0.68 | <0.05 | 10.15 | 0.355 | 0.39 | 3.2 |
| ZZ124997 | | 13.1 | 60.3 | <0.002 | 0.02 | 0.99 | 8.4 | 1 | 2.3 | 134.5 | 1.07 | <0.05 | 12.85 | 0.412 | 0.51 | 3.8 |
| ZZ124998 | | 13.1 | 55.1 | <0.002 | 0.01 | 1.32 | 8.9 | 1 | 1.7 | 151.5 | 0.68 | <0.05 | 10.60 | 0.345 | 0.46 | 4.7 |
| ZZ124999 | | 12.3 | 56.1 | <0.002 | 0.01 | 1.08 | 8.6 | 1 | 2.0 | 135.0 | 0.81 | <0.05 | 11.15 | 0.384 | 0.46 | 6.1 |
| ZZ125000 | | 14.9 | 53.0 | <0.002 | 0.02 | 0.81 | 7.6 | 1 | 2.4 | 115.5 | 0.88 | <0.05 | 9.89 | 0.387 | 0.52 | 4.1 |
| ZZ124711 | | 16.5 | 63.0 | <0.002 | 0.03 | 1.05 | 9.1 | 1 | 2.3 | 144.0 | 0.86 | <0.05 | 9.99 | 0.403 | 0.57 | 5.1 |
| ZZ124712 | | 28.9 | 107.0 | <0.002 | 0.06 | 1.09 | 10.5 | 2 | 8.1 | 156.0 | 2.40 | <0.05 | 16.55 | 0.450 | 1.26 | 10.8 |
| ZZ124713 | | 14.5 | 71.6 | 0.002 | 0.03 | 1.10 | 10.2 | 1 | 3.3 | 141.0 | 1.05 | <0.05 | 12.25 | 0.402 | 0.83 | 5.7 |
| ZZ124714 | | 15.4 | 71.5 | <0.002 | 0.04 | 1.19 | 10.8 | 1 | 12.2 | 154.5 | 0.90 | 0.05 | 10.50 | 0.450 | 0.87 | 3.0 |
| ZZ124715 | | 18.1 | 92.1 | <0.002 | 0.04 | 1.16 | 11.3 | 1 | 22.4 | 143.5 | 0.99 | 0.06 | 12.10 | 0.492 | 1.13 | 3.1 |
| ZZ124716 | | 13.1 | 71.7 | <0.002 | 0.04 | 1.04 | 10.0 | 1 | 17.0 | 131.5 | 0.82 | 0.05 | 10.25 | 0.422 | 0.94 | 2.6 |
| ZZ124717 | | 18.0 | 81.0 | <0.002 | 0.05 | 1.23 | 11.9 | 1 | 22.2 | 175.5 | 0.98 | 0.12 | 11.45 | 0.484 | 0.95 | 3.1 |
| ZZ124718 | | 29.1 | 104.5 | 0.002 | 0.06 | 1.13 | 11.3 | 1 | 16.9 | 141.0 | 0.93 | 0.06 | 12.75 | 0.454 | 1.58 | 3.3 |
| ZZ124719 | | 43.2 | 104.0 | 0.002 | 0.07 | 1.13 | 11.8 | 2 | 7.9 | 129.0 | 0.88 | 0.06 | 10.25 | 0.440 | 1.28 | 3.1 |
| ZZ124720 | | 16.8 | 74.2 | <0.002 | 0.04 | 1.00 | 8.8 | 1 | 6.3 | 124.0 | 0.98 | 0.06 | 10.35 | 0.431 | 0.77 | 3.1 |
| ZZ124721 | | 19.2 | 89.8 | <0.002 | 0.03 | 1.21 | 11.6 | 1 | 4.3 | 147.5 | 0.91 | 0.06 | 11.55 | 0.425 | 0.85 | 3.6 |
| ZZ124722 | | 20.0 | 92.0 | <0.002 | 0.03 | 1.13 | 11.2 | 1 | 7.2 | 141.0 | 1.29 | <0.05 | 13.10 | 0.445 | 1.04 | 6.2 |
| ZZ124723 | | 27.2 | 103.5 | <0.002 | 0.06 | 1.02 | 10.6 | 1 | 12.5 | 128.5 | 1.04 | 0.08 | 12.35 | 0.416 | 1.12 | 3.8 |
| ZZ124724 | | 15.6 | 64.8 | <0.002 | 0.03 | 1.14 | 8.8 | 1 | 4.6 | 139.5 | 0.87 | <0.05 | 10.25 | 0.386 | 0.66 | 3.3 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124975 | | 144 | 5.5 | 19.9 | 185 | 89.2 |
| ZZ124976 | | 287 | 21.2 | 20.8 | 214 | 89.0 |
| ZZ124977 | | 105 | 8.1 | 14.2 | 372 | 61.0 |
| ZZ124978 | | 118 | 8.3 | 26.5 | 547 | 84.0 |
| ZZ124979 | | 100 | 4.2 | 18.2 | 142 | 71.6 |
| ZZ124980 | | 111 | 1.4 | 12.3 | 78 | 70.1 |
| ZZ124981 | | 113 | 2.3 | 10.1 | 75 | 70.5 |
| ZZ124982 | | 123 | 2.8 | 11.6 | 74 | 76.9 |
| ZZ124983 | | 124 | 1.6 | 12.9 | 56 | 71.4 |
| ZZ124984 | | 119 | 2.2 | 13.6 | 86 | 68.2 |
| ZZ124985 | | 108 | 2.0 | 12.4 | 88 | 64.1 |
| ZZ124986 | | 95 | 2.6 | 11.6 | 94 | 54.0 |
| ZZ124987 | | 110 | 2.1 | 13.5 | 57 | 67.2 |
| ZZ124988 | | 90 | 1.7 | 19.7 | 72 | 55.7 |
| ZZ124989 | | 94 | 1.5 | 12.3 | 81 | 57.9 |
| ZZ124990 | | 98 | 1.8 | 15.9 | 133 | 78.3 |
| ZZ124991 | | 95 | 1.4 | 14.2 | 73 | 70.2 |
| ZZ124992 | | 102 | 5.7 | 13.6 | 68 | 67.1 |
| ZZ124993 | | 98 | 2.1 | 13.5 | 62 | 70.2 |
| ZZ124994 | | 103 | 13.3 | 12.2 | 61 | 61.1 |
| ZZ124995 | | 98 | 2.7 | 12.7 | 54 | 80.7 |
| ZZ124996 | | 88 | 1.3 | 13.5 | 71 | 65.5 |
| ZZ124997 | | 103 | 2.6 | 11.9 | 57 | 66.3 |
| ZZ124998 | | 93 | 1.5 | 14.6 | 79 | 60.1 |
| ZZ124999 | | 100 | 1.6 | 14.3 | 70 | 60.7 |
| ZZ125000 | | 93 | 1.6 | 10.4 | 39 | 69.0 |
| ZZ124711 | | 108 | 1.7 | 12.5 | 68 | 72.0 |
| ZZ124712 | | 134 | 4.5 | 20.2 | 120 | 76.6 |
| ZZ124713 | | 108 | 2.3 | 15.9 | 70 | 69.2 |
| ZZ124714 | | 117 | 4.5 | 14.9 | 101 | 73.5 |
| ZZ124715 | | 119 | 7.9 | 17.4 | 160 | 69.8 |
| ZZ124716 | | 115 | 4.5 | 14.4 | 112 | 65.2 |
| ZZ124717 | | 127 | 6.8 | 17.2 | 197 | 76.5 |
| ZZ124718 | | 132 | 20.1 | 16.3 | 161 | 76.3 |
| ZZ124719 | | 135 | 10.5 | 14.0 | 158 | 69.2 |
| ZZ124720 | | 104 | 3.8 | 12.9 | 87 | 70.1 |
| ZZ124721 | | 117 | 2.7 | 14.6 | 114 | 69.0 |
| ZZ124722 | | 120 | 3.5 | 15.6 | 117 | 68.1 |
| ZZ124723 | | 125 | 4.9 | 12.7 | 117 | 69.0 |
| ZZ124724 | | 106 | 1.8 | 12.8 | 75 | 58.7 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124725 | | 0.43 | 0.002 | 0.07 | 5.44 | 12.4 | 760 | 1.58 | 2.31 | 0.76 | 0.23 | 83.1 | 7.7 | 50 | 8.76 | 106.5 |
| ZZ124726 | | 0.38 | 0.002 | 0.04 | 5.49 | 13.7 | 800 | 1.41 | 1.11 | 0.73 | 0.22 | 73.7 | 8.5 | 60 | 8.00 | 111.5 |
| ZZ124727 | | 0.46 | 0.011 | 0.12 | 4.66 | 14.1 | 680 | 1.33 | 1.68 | 0.67 | 0.14 | 71.2 | 8.7 | 56 | 4.66 | 53.6 |
| ZZ124728 | | 0.55 | 0.025 | 0.06 | 4.60 | 13.0 | 690 | 1.29 | 2.47 | 0.65 | 0.12 | 75.2 | 6.2 | 57 | 3.84 | 53.7 |
| ZZ124729 | | 0.36 | 0.004 | 0.09 | 4.80 | 12.9 | 730 | 1.31 | 1.31 | 0.68 | 0.15 | 69.2 | 5.8 | 57 | 4.24 | 48.7 |
| ZZ124730 | | 0.39 | 0.002 | 0.07 | 4.59 | 12.2 | 690 | 1.16 | 1.07 | 0.67 | 0.15 | 59.8 | 5.9 | 55 | 3.68 | 37.0 |
| ZZ124731 | | 0.42 | 0.002 | 0.09 | 4.71 | 12.7 | 720 | 1.17 | 0.73 | 0.69 | 0.14 | 65.6 | 6.3 | 55 | 3.24 | 28.9 |
| ZZ124732 | | 0.51 | 0.004 | 0.42 | 4.80 | 14.1 | 700 | 1.25 | 0.79 | 0.73 | 0.20 | 68.8 | 7.9 | 51 | 2.68 | 36.1 |
| ZZ124733 | | 0.41 | 0.004 | 0.09 | 4.78 | 14.2 | 720 | 1.42 | 1.36 | 0.69 | 0.17 | 74.9 | 9.5 | 55 | 3.76 | 35.0 |
| ZZ124734 | | 0.45 | 0.016 | 0.10 | 5.99 | 24.1 | 760 | 3.11 | 3.18 | 0.74 | 0.50 | 86.8 | 14.3 | 51 | 10.80 | 104.0 |
| ZZ124735 | | 0.51 | 0.003 | 0.02 | 4.65 | 16.0 | 680 | 1.01 | 0.45 | 0.64 | 0.15 | 62.2 | 7.5 | 56 | 2.94 | 15.9 |
| ZZ124736 | | 0.36 | 0.010 | 0.03 | 4.99 | 14.7 | 720 | 1.16 | 0.35 | 0.75 | 0.16 | 67.1 | 7.9 | 61 | 3.11 | 15.6 |
| ZZ124737 | | 0.37 | 0.002 | 0.16 | 5.09 | 16.5 | 700 | 1.66 | 2.96 | 0.54 | 0.31 | 61.8 | 7.1 | 55 | 5.56 | 38.4 |
| ZZ124738 | | 0.43 | 0.003 | 0.14 | 5.68 | 22.9 | 760 | 1.85 | 3.74 | 0.63 | 0.42 | 66.7 | 13.2 | 59 | 5.56 | 63.3 |
| ZZ124739 | | 0.43 | 0.005 | 0.15 | 5.14 | 27.6 | 750 | 1.40 | 4.60 | 0.57 | 0.30 | 64.1 | 10.0 | 62 | 5.95 | 42.5 |
| ZZ124740 | | 0.39 | 0.010 | 0.16 | 5.64 | 20.1 | 810 | 1.79 | 4.93 | 0.72 | 0.35 | 82.1 | 9.0 | 63 | 6.60 | 72.2 |
| ZZ124741 | | 0.41 | 0.002 | 0.08 | 5.52 | 17.6 | 760 | 1.33 | 2.32 | 0.60 | 0.16 | 61.6 | 4.8 | 63 | 8.25 | 38.4 |
| ZZ124742 | | 0.42 | 0.003 | 0.03 | 5.30 | 23.1 | 750 | 1.18 | 1.54 | 0.56 | 0.12 | 64.3 | 4.8 | 64 | 7.60 | 23.0 |
| ZZ124743 | | 0.42 | 0.002 | 0.06 | 5.93 | 22.3 | 870 | 1.48 | 0.82 | 0.64 | 0.27 | 67.8 | 9.6 | 70 | 7.47 | 30.7 |
| ZZ124744 | | 0.43 | 0.001 | 0.05 | 5.47 | 21.0 | 780 | 1.45 | 0.84 | 0.57 | 0.24 | 62.6 | 8.6 | 64 | 7.68 | 25.6 |
| ZZ124745 | | 0.46 | 0.003 | 0.03 | 5.75 | 26.1 | 810 | 1.42 | 0.71 | 0.58 | 0.22 | 73.2 | 12.6 | 71 | 9.02 | 25.9 |
| ZZ124746 | | 0.34 | 0.004 | 0.04 | 5.62 | 17.1 | 860 | 1.66 | 0.91 | 0.74 | 0.31 | 83.5 | 10.6 | 64 | 6.73 | 31.2 |
| ZZ124747 | | 0.50 | 0.002 | 0.15 | 7.04 | 22.8 | 1020 | 1.58 | 1.13 | 0.64 | 0.15 | 78.7 | 8.9 | 76 | 5.77 | 33.0 |
| ZZ124748 | | 0.42 | 0.003 | 0.08 | 5.78 | 26.8 | 820 | 1.51 | 1.04 | 0.69 | 0.36 | 84.1 | 9.6 | 70 | 7.42 | 36.2 |
| ZZ124749 | | 0.42 | 0.002 | 0.08 | 5.76 | 19.2 | 900 | 1.50 | 0.55 | 0.83 | 0.29 | 75.3 | 11.1 | 66 | 5.61 | 31.3 |
| ZZ124750 | | 0.44 | 0.003 | 0.04 | 6.01 | 22.5 | 930 | 1.61 | 0.78 | 0.74 | 0.21 | 74.2 | 9.6 | 73 | 9.53 | 25.2 |
| ZZ11301 | | 0.41 | 0.004 | 0.09 | 6.36 | 42.2 | 890 | 1.84 | 2.17 | 0.68 | 0.31 | 79.2 | 13.6 | 70 | 9.67 | 53.5 |
| ZZ11302 | | 0.44 | 0.002 | 0.04 | 5.71 | 25.0 | 830 | 1.76 | 2.13 | 0.67 | 0.23 | 77.0 | 9.2 | 67 | 7.71 | 39.0 |
| ZZ11303 | | 0.40 | 0.005 | 0.11 | 5.17 | 28.0 | 710 | 1.29 | 3.88 | 0.47 | 0.12 | 70.4 | 5.6 | 65 | 7.35 | 37.8 |
| ZZ11304 | | 0.46 | 0.006 | 0.16 | 5.93 | 33.4 | 860 | 1.66 | 8.30 | 0.69 | 0.25 | 71.1 | 10.9 | 72 | 8.06 | 52.3 |
| ZZ11305 | | 0.42 | 0.007 | 0.16 | 5.64 | 20.1 | 800 | 1.49 | 3.42 | 0.70 | 0.33 | 71.6 | 13.4 | 65 | 4.98 | 47.6 |
| ZZ11306 | | 0.45 | 0.006 | 0.06 | 4.83 | 18.8 | 640 | 1.01 | 2.70 | 0.47 | 0.17 | 64.4 | 5.5 | 62 | 4.34 | 25.0 |
| ZZ11307 | | 0.38 | 0.004 | 0.10 | 6.07 | 23.0 | 870 | 1.76 | 4.77 | 0.65 | 0.26 | 72.5 | 10.5 | 63 | 6.73 | 85.1 |
| ZZ11308 | | 0.35 | 0.003 | 0.24 | 6.05 | 23.7 | 800 | 1.60 | 6.01 | 0.66 | 0.35 | 69.3 | 10.6 | 61 | 6.19 | 80.8 |
| ZZ11309 | | 0.43 | 0.006 | 0.07 | 5.25 | 22.1 | 680 | 1.94 | 4.42 | 0.61 | 0.21 | 73.4 | 8.8 | 53 | 7.90 | 89.4 |
| ZZ11310 | | 0.48 | 0.006 | 0.51 | 4.71 | 86.8 | 720 | 1.40 | 0.97 | 0.69 | 0.43 | 111.0 | 12.7 | 58 | 9.90 | 33.1 |
| ZZ11311 | | 0.39 | 0.002 | 0.14 | 4.64 | 12.4 | 750 | 1.45 | 2.64 | 0.86 | 0.28 | 63.2 | 6.4 | 51 | 4.34 | 42.0 |
| ZZ11312 | | 0.42 | 0.003 | 0.24 | 4.66 | 17.5 | 750 | 1.57 | 0.68 | 0.84 | 0.56 | 77.8 | 11.7 | 51 | 2.00 | 51.3 |
| ZZ11313 | | 0.42 | 0.003 | 0.51 | 5.00 | 13.1 | 770 | 1.33 | 0.52 | 0.83 | 0.35 | 60.4 | 6.9 | 52 | 2.03 | 72.7 |
| ZZ11314 | | 0.44 | 0.004 | 0.09 | 4.77 | 12.8 | 730 | 1.45 | 1.58 | 0.69 | 0.15 | 68.4 | 7.2 | 55 | 3.79 | 56.2 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124725 | | 2.60 | 14.50 | 0.18 | 2.8 | 0.097 | 1.32 | 39.9 | 20.4 | 0.57 | 353 | 1.42 | 0.92 | 18.3 | 20.9 | 800 |
| ZZ124726 | | 2.90 | 14.25 | 0.14 | 2.1 | 0.078 | 1.29 | 37.0 | 23.3 | 0.65 | 371 | 1.43 | 0.96 | 13.6 | 22.8 | 810 |
| ZZ124727 | | 2.80 | 12.25 | 0.15 | 1.9 | 0.077 | 1.11 | 34.7 | 20.2 | 0.55 | 458 | 1.10 | 0.87 | 12.1 | 17.5 | 830 |
| ZZ124728 | | 2.60 | 12.10 | 0.14 | 2.1 | 0.070 | 1.06 | 37.1 | 20.3 | 0.54 | 288 | 1.06 | 0.88 | 12.0 | 16.1 | 760 |
| ZZ124729 | | 2.68 | 12.75 | 0.15 | 2.0 | 0.072 | 1.14 | 34.1 | 20.8 | 0.56 | 275 | 1.20 | 0.92 | 12.1 | 16.0 | 910 |
| ZZ124730 | | 2.61 | 11.85 | 0.15 | 2.3 | 0.059 | 1.07 | 30.0 | 21.0 | 0.54 | 291 | 1.13 | 0.92 | 11.4 | 16.2 | 870 |
| ZZ124731 | | 2.66 | 11.90 | 0.14 | 1.9 | 0.055 | 1.08 | 31.7 | 21.6 | 0.56 | 281 | 1.02 | 0.94 | 11.1 | 17.4 | 810 |
| ZZ124732 | | 2.67 | 10.60 | 0.14 | 1.7 | 0.058 | 1.06 | 33.7 | 21.5 | 0.57 | 348 | 0.94 | 0.94 | 9.8 | 19.6 | 880 |
| ZZ124733 | | 2.74 | 12.50 | 0.16 | 1.9 | 0.079 | 1.12 | 36.8 | 22.4 | 0.55 | 465 | 1.06 | 0.93 | 12.5 | 17.9 | 900 |
| ZZ124734 | | 3.36 | 15.15 | 0.16 | 2.9 | 0.103 | 1.40 | 42.2 | 35.6 | 0.53 | 784 | 1.36 | 0.93 | 16.9 | 21.0 | 990 |
| ZZ124735 | | 2.92 | 11.65 | 0.12 | 1.8 | 0.050 | 1.05 | 31.4 | 21.5 | 0.55 | 367 | 0.88 | 0.89 | 10.1 | 17.6 | 610 |
| ZZ124736 | | 2.86 | 12.20 | 0.14 | 2.0 | 0.055 | 1.10 | 33.3 | 21.6 | 0.60 | 400 | 1.06 | 0.97 | 11.0 | 17.7 | 870 |
| ZZ124737 | | 2.90 | 13.60 | 0.14 | 1.9 | 0.156 | 1.20 | 31.8 | 28.3 | 0.51 | 450 | 1.19 | 0.82 | 13.6 | 17.5 | 830 |
| ZZ124738 | | 3.36 | 14.35 | 0.15 | 1.8 | 0.210 | 1.31 | 32.7 | 31.6 | 0.62 | 676 | 1.44 | 0.90 | 13.2 | 21.8 | 730 |
| ZZ124739 | | 4.18 | 15.95 | 0.13 | 2.1 | 0.170 | 1.26 | 31.7 | 26.6 | 0.58 | 513 | 1.97 | 0.79 | 12.7 | 18.8 | 500 |
| ZZ124740 | | 3.25 | 14.75 | 0.16 | 1.9 | 0.217 | 1.34 | 41.4 | 33.5 | 0.65 | 438 | 1.19 | 0.95 | 13.7 | 21.5 | 700 |
| ZZ124741 | | 2.82 | 15.70 | 0.14 | 1.8 | 0.105 | 1.27 | 31.0 | 27.1 | 0.52 | 228 | 1.21 | 0.89 | 11.9 | 15.4 | 1110 |
| ZZ124742 | | 2.81 | 15.15 | 0.12 | 1.7 | 0.087 | 1.27 | 32.8 | 24.3 | 0.50 | 265 | 0.93 | 0.81 | 12.3 | 13.7 | 910 |
| ZZ124743 | | 3.42 | 14.95 | 0.14 | 1.9 | 0.102 | 1.43 | 33.4 | 33.2 | 0.67 | 434 | 1.29 | 0.90 | 12.0 | 21.7 | 870 |
| ZZ124744 | | 3.22 | 14.40 | 0.15 | 1.9 | 0.078 | 1.31 | 31.9 | 30.9 | 0.62 | 467 | 1.39 | 0.80 | 11.5 | 20.3 | 790 |
| ZZ124745 | | 3.47 | 15.35 | 0.16 | 1.9 | 0.069 | 1.40 | 37.5 | 38.2 | 0.67 | 700 | 1.44 | 0.82 | 12.5 | 22.9 | 730 |
| ZZ124746 | | 2.99 | 13.95 | 0.15 | 2.0 | 0.079 | 1.34 | 41.0 | 34.9 | 0.65 | 448 | 0.96 | 0.81 | 13.0 | 28.8 | 760 |
| ZZ124747 | | 3.35 | 17.65 | 0.18 | 2.4 | 0.101 | 1.74 | 39.6 | 30.8 | 0.75 | 296 | 0.98 | 1.00 | 13.7 | 24.9 | 550 |
| ZZ124748 | | 3.40 | 14.80 | 0.14 | 2.1 | 0.105 | 1.41 | 41.6 | 34.2 | 0.65 | 417 | 1.37 | 0.77 | 12.5 | 26.1 | 720 |
| ZZ124749 | | 3.21 | 14.05 | 0.15 | 2.2 | 0.059 | 1.38 | 37.5 | 33.7 | 0.75 | 496 | 1.15 | 1.04 | 11.8 | 28.9 | 810 |
| ZZ124750 | | 3.51 | 14.60 | 0.14 | 2.1 | 0.072 | 1.46 | 36.5 | 41.6 | 0.84 | 484 | 1.22 | 0.91 | 12.7 | 24.8 | 930 |
| ZZ11301 | | 3.47 | 16.35 | 0.16 | 2.1 | 0.146 | 1.49 | 38.8 | 42.3 | 0.78 | 616 | 1.26 | 0.84 | 13.0 | 27.7 | 760 |
| ZZ11302 | | 3.22 | 14.80 | 0.16 | 1.8 | 0.124 | 1.36 | 37.9 | 33.3 | 0.67 | 418 | 1.06 | 0.89 | 12.8 | 21.3 | 740 |
| ZZ11303 | | 4.09 | 17.00 | 0.13 | 1.9 | 0.196 | 1.31 | 34.3 | 24.6 | 0.49 | 305 | 1.65 | 0.69 | 12.9 | 15.7 | 640 |
| ZZ11304 | | 3.86 | 16.05 | 0.14 | 1.9 | 0.235 | 1.50 | 34.2 | 35.4 | 0.71 | 567 | 1.50 | 0.91 | 13.2 | 23.4 | 800 |
| ZZ11305 | | 3.16 | 13.10 | 0.14 | 1.9 | 0.176 | 1.27 | 35.8 | 28.3 | 0.65 | 704 | 1.19 | 0.93 | 12.0 | 22.2 | 1080 |
| ZZ11306 | | 3.57 | 13.90 | 0.12 | 1.8 | 0.108 | 1.10 | 31.8 | 22.6 | 0.50 | 310 | 1.12 | 0.71 | 11.7 | 14.8 | 510 |
| ZZ11307 | | 3.41 | 15.05 | 0.14 | 1.9 | 0.248 | 1.37 | 35.1 | 29.2 | 0.68 | 498 | 1.69 | 0.97 | 12.6 | 21.3 | 800 |
| ZZ11308 | | 3.25 | 14.15 | 0.13 | 1.9 | 0.232 | 1.32 | 33.7 | 29.1 | 0.64 | 590 | 1.47 | 0.92 | 12.8 | 22.3 | 970 |
| ZZ11309 | | 2.87 | 13.65 | 0.14 | 1.9 | 0.135 | 1.38 | 36.0 | 26.7 | 0.50 | 458 | 1.11 | 0.93 | 14.3 | 16.8 | 720 |
| ZZ11310 | | 2.81 | 11.80 | 0.14 | 2.0 | 0.122 | 1.17 | 54.4 | 32.4 | 0.54 | 864 | 1.70 | 0.82 | 12.5 | 19.4 | 750 |
| ZZ11311 | | 2.56 | 10.60 | 0.12 | 1.9 | 0.057 | 1.14 | 30.5 | 24.4 | 0.56 | 341 | 1.13 | 1.06 | 11.7 | 17.8 | 850 |
| ZZ11312 | | 2.81 | 10.30 | 0.14 | 1.9 | 0.045 | 1.10 | 36.7 | 24.5 | 0.61 | 534 | 0.94 | 1.02 | 10.8 | 28.9 | 920 |
| ZZ11313 | | 2.54 | 9.79 | 0.11 | 1.7 | 0.042 | 1.13 | 29.0 | 25.1 | 0.64 | 302 | 0.73 | 1.05 | 9.8 | 21.8 | 860 |
| ZZ11314 | | 2.70 | 11.50 | 0.12 | 1.8 | 0.052 | 1.09 | 33.2 | 25.3 | 0.55 | 386 | 1.18 | 0.92 | 12.8 | 15.6 | 790 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124725 | | 19.7 | 88.6 | <0.002 | 0.02 | 1.22 | 9.4 | 1 | 3.5 | 140.5 | 1.68 | <0.05 | 17.45 | 0.379 | 0.93 | 9.3 |
| ZZ124726 | | 16.1 | 73.4 | <0.002 | 0.02 | 1.12 | 10.2 | 1 | 2.7 | 141.5 | 1.07 | <0.05 | 13.65 | 0.395 | 0.79 | 14.3 |
| ZZ124727 | | 15.7 | 64.4 | <0.002 | 0.01 | 0.96 | 8.9 | 1 | 2.4 | 127.0 | 0.92 | <0.05 | 12.00 | 0.388 | 0.64 | 5.7 |
| ZZ124728 | | 14.3 | 56.4 | <0.002 | 0.01 | 0.90 | 9.4 | 1 | 2.0 | 128.5 | 0.93 | <0.05 | 11.10 | 0.382 | 0.60 | 4.9 |
| ZZ124729 | | 14.6 | 63.6 | <0.002 | 0.02 | 0.89 | 9.1 | 1 | 2.2 | 134.5 | 0.88 | <0.05 | 11.00 | 0.383 | 0.59 | 4.4 |
| ZZ124730 | | 13.2 | 62.0 | <0.002 | 0.01 | 0.90 | 8.5 | 1 | 2.0 | 131.5 | 0.84 | <0.05 | 9.22 | 0.383 | 0.54 | 3.8 |
| ZZ124731 | | 13.1 | 56.4 | <0.002 | 0.01 | 0.90 | 8.8 | 1 | 1.8 | 135.0 | 0.83 | <0.05 | 10.10 | 0.384 | 0.52 | 3.3 |
| ZZ124732 | | 12.3 | 53.3 | <0.002 | 0.01 | 0.96 | 8.3 | 1 | 1.5 | 136.0 | 0.72 | <0.05 | 10.10 | 0.361 | 0.44 | 3.8 |
| ZZ124733 | | 14.0 | 66.5 | <0.002 | 0.01 | 0.97 | 8.9 | 1 | 2.0 | 132.5 | 0.98 | <0.05 | 11.30 | 0.388 | 0.57 | 4.5 |
| ZZ124734 | | 18.0 | 95.9 | <0.002 | 0.02 | 1.05 | 8.4 | 1 | 3.3 | 139.5 | 1.79 | <0.05 | 17.05 | 0.375 | 1.04 | 11.1 |
| ZZ124735 | | 14.3 | 54.6 | <0.002 | 0.01 | 0.99 | 8.4 | 1 | 1.5 | 127.0 | 0.77 | <0.05 | 9.39 | 0.371 | 0.45 | 2.6 |
| ZZ124736 | | 13.4 | 57.6 | <0.002 | 0.02 | 0.90 | 9.2 | 1 | 1.6 | 140.5 | 0.84 | <0.05 | 8.83 | 0.405 | 0.50 | 4.0 |
| ZZ124737 | | 14.9 | 82.3 | <0.002 | 0.03 | 0.86 | 8.6 | <1 | 3.8 | 116.0 | 1.10 | 0.05 | 11.00 | 0.376 | 0.72 | 4.9 |
| ZZ124738 | | 17.7 | 85.6 | <0.002 | 0.02 | 1.11 | 9.4 | 1 | 4.4 | 132.0 | 1.01 | 0.05 | 10.65 | 0.355 | 0.73 | 5.6 |
| ZZ124739 | | 18.9 | 78.6 | <0.002 | 0.02 | 1.10 | 9.0 | 1 | 3.5 | 121.5 | 0.98 | 0.06 | 9.84 | 0.393 | 0.75 | 4.3 |
| ZZ124740 | | 16.1 | 85.6 | <0.002 | 0.02 | 0.99 | 9.6 | 1 | 3.8 | 142.0 | 1.00 | 0.07 | 14.10 | 0.381 | 0.80 | 3.9 |
| ZZ124741 | | 14.9 | 74.2 | <0.002 | 0.03 | 0.73 | 9.7 | 1 | 3.9 | 128.5 | 0.87 | <0.05 | 8.79 | 0.399 | 1.00 | 2.7 |
| ZZ124742 | | 16.3 | 73.3 | <0.002 | 0.02 | 0.79 | 9.4 | 1 | 3.7 | 120.0 | 0.84 | <0.05 | 9.39 | 0.408 | 1.00 | 2.4 |
| ZZ124743 | | 16.1 | 84.1 | <0.002 | 0.02 | 0.99 | 10.7 | 1 | 3.3 | 135.0 | 0.82 | 0.05 | 10.00 | 0.391 | 1.08 | 2.8 |
| ZZ124744 | | 15.8 | 87.9 | <0.002 | 0.03 | 0.95 | 9.7 | 1 | 3.0 | 121.0 | 0.80 | <0.05 | 9.84 | 0.381 | 0.79 | 2.5 |
| ZZ124745 | | 18.7 | 80.5 | <0.002 | 0.02 | 1.05 | 10.6 | 1 | 3.3 | 125.5 | 0.85 | 0.05 | 11.05 | 0.418 | 0.96 | 2.5 |
| ZZ124746 | | 13.8 | 66.7 | <0.002 | 0.01 | 0.96 | 10.8 | 1 | 4.0 | 138.5 | 0.90 | <0.05 | 11.55 | 0.430 | 0.80 | 2.8 |
| ZZ124747 | | 20.7 | 86.5 | <0.002 | 0.01 | 1.07 | 12.8 | 1 | 4.0 | 154.5 | 0.94 | <0.05 | 11.75 | 0.444 | 0.97 | 3.4 |
| ZZ124748 | | 16.6 | 71.2 | <0.002 | 0.02 | 1.07 | 10.5 | 1 | 4.6 | 130.0 | 0.87 | 0.07 | 12.05 | 0.433 | 0.97 | 2.8 |
| ZZ124749 | | 14.6 | 68.8 | <0.002 | 0.02 | 1.11 | 11.3 | 1 | 2.4 | 161.5 | 0.82 | 0.06 | 10.30 | 0.410 | 0.73 | 3.0 |
| ZZ124750 | | 14.4 | 79.3 | <0.002 | 0.03 | 0.91 | 10.9 | 1 | 3.3 | 138.5 | 0.86 | 0.05 | 10.80 | 0.422 | 0.87 | 2.6 |
| ZZ11301 | | 21.0 | 89.5 | <0.002 | 0.02 | 1.07 | 11.1 | 1 | 4.8 | 135.0 | 1.05 | 0.05 | 12.65 | 0.419 | 1.14 | 3.0 |
| ZZ11302 | | 15.9 | 78.6 | <0.002 | 0.02 | 0.98 | 10.5 | 1 | 4.1 | 136.5 | 0.91 | 0.06 | 10.75 | 0.404 | 0.90 | 3.4 |
| ZZ11303 | | 17.2 | 75.8 | <0.002 | 0.03 | 1.06 | 9.0 | 1 | 4.4 | 106.5 | 0.91 | 0.06 | 10.00 | 0.439 | 0.90 | 2.9 |
| ZZ11304 | | 18.0 | 92.8 | <0.002 | 0.02 | 1.09 | 10.6 | <1 | 4.9 | 140.5 | 0.96 | 0.07 | 10.90 | 0.407 | 0.97 | 2.7 |
| ZZ11305 | | 15.6 | 74.9 | <0.002 | 0.03 | 1.00 | 10.3 | 1 | 3.5 | 140.0 | 0.96 | <0.05 | 10.80 | 0.383 | 0.71 | 2.9 |
| ZZ11306 | | 14.4 | 63.8 | <0.002 | 0.02 | 1.02 | 8.5 | 1 | 3.4 | 102.0 | 0.86 | <0.05 | 10.45 | 0.398 | 0.74 | 3.0 |
| ZZ11307 | | 17.9 | 87.2 | <0.002 | 0.02 | 1.07 | 11.1 | 1 | 5.7 | 141.0 | 0.95 | 0.06 | 11.85 | 0.379 | 0.93 | 9.3 |
| ZZ11308 | | 21.0 | 83.9 | <0.002 | 0.02 | 0.93 | 10.1 | 1 | 6.4 | 135.0 | 1.08 | <0.05 | 12.15 | 0.361 | 0.84 | 8.8 |
| ZZ11309 | | 17.2 | 94.8 | <0.002 | 0.02 | 0.84 | 8.9 | 1 | 4.5 | 126.5 | 1.28 | <0.05 | 13.55 | 0.381 | 0.89 | 6.4 |
| ZZ11310 | | 16.1 | 65.8 | <0.002 | 0.02 | 0.85 | 8.8 | 1 | 3.7 | 125.0 | 1.04 | <0.05 | 16.65 | 0.425 | 0.71 | 6.0 |
| ZZ11311 | | 12.4 | 59.8 | <0.002 | 0.02 | 0.90 | 8.6 | 1 | 2.0 | 158.0 | 0.83 | <0.05 | 10.05 | 0.381 | 0.47 | 4.1 |
| ZZ11312 | | 13.9 | 52.3 | <0.002 | 0.01 | 1.29 | 9.5 | 1 | 1.4 | 158.5 | 0.75 | <0.05 | 12.00 | 0.368 | 0.40 | 4.4 |
| ZZ11313 | | 12.2 | 50.4 | <0.002 | 0.01 | 0.98 | 8.7 | 1 | 1.2 | 154.0 | 0.65 | <0.05 | 10.30 | 0.353 | 0.40 | 5.2 |
| ZZ11314 | | 12.5 | 62.6 | <0.002 | 0.01 | 0.96 | 9.3 | 1 | 2.0 | 132.5 | 0.91 | <0.05 | 12.00 | 0.394 | 0.53 | 4.5 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ124725 | | 89 | 2.6 | 24.7 | 68 | 80.0 |
| ZZ124726 | | 105 | 2.7 | 16.9 | 83 | 68.5 |
| ZZ124727 | | 96 | 2.4 | 14.5 | 62 | 67.8 |
| ZZ124728 | | 96 | 2.8 | 14.7 | 55 | 64.1 |
| ZZ124729 | | 101 | 2.6 | 12.3 | 57 | 65.3 |
| ZZ124730 | | 97 | 2.2 | 11.8 | 54 | 65.7 |
| ZZ124731 | | 98 | 1.7 | 13.2 | 58 | 62.2 |
| ZZ124732 | | 89 | 1.8 | 13.2 | 75 | 57.3 |
| ZZ124733 | | 96 | 3.7 | 12.9 | 64 | 64.6 |
| ZZ124734 | | 89 | 7.5 | 18.2 | 135 | 78.4 |
| ZZ124735 | | 98 | 1.4 | 11.3 | 55 | 60.7 |
| ZZ124736 | | 103 | 1.4 | 12.2 | 63 | 66.3 |
| ZZ124737 | | 98 | 6.6 | 11.8 | 84 | 61.4 |
| ZZ124738 | | 102 | 3.7 | 12.6 | 102 | 60.8 |
| ZZ124739 | | 121 | 6.0 | 11.9 | 87 | 63.1 |
| ZZ124740 | | 106 | 5.4 | 14.1 | 98 | 63.7 |
| ZZ124741 | | 111 | 2.8 | 11.2 | 60 | 62.6 |
| ZZ124742 | | 114 | 2.5 | 10.5 | 57 | 61.7 |
| ZZ124743 | | 120 | 1.9 | 12.8 | 93 | 83.9 |
| ZZ124744 | | 111 | 2.3 | 12.4 | 89 | 66.1 |
| ZZ124745 | | 118 | 2.3 | 14.0 | 94 | 81.7 |
| ZZ124746 | | 106 | 2.9 | 16.4 | 154 | 68.9 |
| ZZ124747 | | 125 | 2.3 | 15.3 | 89 | 79.7 |
| ZZ124748 | | 111 | 8.2 | 14.3 | 108 | 72.1 |
| ZZ124749 | | 112 | 2.3 | 17.0 | 97 | 67.9 |
| ZZ124750 | | 118 | 2.0 | 14.5 | 95 | 69.9 |
| ZZ11301 | | 117 | 4.7 | 15.0 | 112 | 76.8 |
| ZZ11302 | | 110 | 2.8 | 14.1 | 79 | 61.9 |
| ZZ11303 | | 135 | 3.3 | 11.0 | 64 | 65.0 |
| ZZ11304 | | 124 | 5.6 | 12.3 | 85 | 63.0 |
| ZZ11305 | | 104 | 2.8 | 13.6 | 89 | 62.1 |
| ZZ11306 | | 113 | 3.1 | 12.5 | 62 | 61.0 |
| ZZ11307 | | 111 | 4.9 | 14.8 | 95 | 64.2 |
| ZZ11308 | | 102 | 3.3 | 14.1 | 113 | 62.6 |
| ZZ11309 | | 89 | 6.0 | 13.6 | 77 | 65.7 |
| ZZ11310 | | 90 | 3.3 | 15.8 | 113 | 64.1 |
| ZZ11311 | | 93 | 2.2 | 12.7 | 70 | 64.1 |
| ZZ11312 | | 88 | 1.5 | 15.5 | 93 | 63.7 |
| ZZ11313 | | 89 | 1.3 | 12.7 | 91 | 56.3 |
| ZZ11314 | | 103 | 2.1 | 13.2 | 57 | 61.8 |

***** 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

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**Finalized Date: 20-OCT-2020**
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Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ11315 | | 0.40 | 0.005 | 0.08 | 5.10 | 13.3 | 790 | 1.48 | 1.86 | 0.81 | 0.23 | 74.1 | 12.5 | 60 | 3.26 | 64.4 |
| ZZ11316 | | 0.47 | 0.009 | 0.22 | 5.38 | 13.4 | 810 | 1.79 | 3.22 | 0.74 | 0.20 | 77.2 | 9.0 | 63 | 5.14 | 98.5 |
| ZZ11317 | | 0.45 | 0.003 | 0.08 | 5.10 | 10.3 | 720 | 1.56 | 3.37 | 0.69 | 0.12 | 68.5 | 4.8 | 57 | 4.86 | 111.5 |
| ZZ11318 | | 0.43 | 0.006 | 0.08 | 5.00 | 11.1 | 750 | 1.33 | 1.36 | 0.73 | 0.12 | 63.9 | 5.3 | 54 | 3.94 | 58.3 |
| ZZ11319 | | 0.44 | 0.004 | 0.05 | 4.86 | 14.4 | 770 | 1.62 | 0.60 | 0.81 | 0.40 | 73.5 | 12.7 | 55 | 3.65 | 48.2 |
| ZZ11320 | | 0.39 | 0.006 | 0.09 | 4.92 | 13.5 | 710 | 1.34 | 0.55 | 0.69 | 0.18 | 65.4 | 9.1 | 57 | 3.39 | 41.7 |
| ZZ11321 | | 0.38 | 0.028 | 0.13 | 4.70 | 15.2 | 720 | 1.37 | 1.38 | 0.90 | 0.36 | 81.4 | 11.2 | 58 | 3.98 | 48.9 |
| ZZ11322 | | 0.39 | 0.003 | 0.13 | 5.56 | 13.9 | 750 | 1.47 | 1.60 | 0.73 | 0.32 | 60.1 | 10.6 | 64 | 4.92 | 84.9 |
| ZZ11323 | | 0.43 | 0.009 | 0.10 | 5.35 | 17.3 | 700 | 1.59 | 5.16 | 0.58 | 0.27 | 92.6 | 6.9 | 63 | 12.35 | 65.0 |
| ZZ11324 | | 0.41 | 0.007 | 0.67 | 5.47 | 18.1 | 780 | 2.16 | 3.52 | 0.72 | 0.42 | 66.0 | 9.3 | 64 | 17.05 | 270 |
| ZZ11325 | | 0.42 | 0.006 | 1.22 | 6.01 | 17.3 | 810 | 2.23 | 6.92 | 0.80 | 0.48 | 83.9 | 11.0 | 60 | 9.80 | 147.5 |
| ZZ11326 | | 0.58 | 0.005 | 0.87 | 6.18 | 23.9 | 850 | 1.75 | 2.23 | 0.67 | 1.44 | 73.4 | 12.2 | 71 | 14.60 | 41.9 |
| ZZ11327 | | 0.45 | 0.004 | 0.22 | 7.34 | 16.1 | 1000 | 3.07 | 4.51 | 0.72 | 0.95 | 99.5 | 10.3 | 63 | 20.0 | 73.5 |
| ZZ11328 | | 0.40 | 0.002 | 0.15 | 5.58 | 14.5 | 870 | 1.87 | 1.96 | 0.84 | 0.28 | 82.0 | 8.7 | 64 | 8.39 | 42.3 |
| ZZ11329 | | 0.42 | 0.008 | 0.25 | 5.58 | 14.1 | 840 | 1.93 | 3.42 | 0.81 | 0.46 | 86.3 | 9.6 | 64 | 12.65 | 49.7 |
| ZZ11330 | | 0.34 | 0.002 | 0.25 | 5.78 | 21.3 | 810 | 2.04 | 5.07 | 0.67 | 0.34 | 75.0 | 7.4 | 60 | 13.90 | 78.0 |
| ZZ11331 | | 0.34 | 0.015 | 0.19 | 4.99 | 15.5 | 730 | 1.54 | 2.01 | 0.78 | 0.36 | 89.6 | 9.7 | 66 | 6.96 | 38.0 |
| ZZ11332 | | 0.37 | 0.007 | 0.06 | 4.56 | 16.1 | 740 | 1.24 | 2.64 | 0.85 | 0.34 | 76.7 | 8.9 | 64 | 4.24 | 29.4 |
| ZZ11333 | | 0.41 | 0.011 | 0.17 | 5.14 | 16.4 | 770 | 1.38 | 1.31 | 0.83 | 0.26 | 91.0 | 11.0 | 64 | 3.20 | 36.5 |
| ZZ11334 | | 0.40 | 0.012 | 0.56 | 6.10 | 20.8 | 970 | 1.55 | 1.16 | 1.08 | 0.32 | 71.5 | 9.8 | 65 | 3.83 | 84.0 |
| ZZ11335 | | 0.42 | 0.008 | 0.10 | 5.16 | 17.9 | 760 | 1.32 | 2.28 | 0.81 | 0.19 | 78.6 | 9.4 | 66 | 4.49 | 34.4 |
| ZZ11336 | | 0.39 | 0.002 | 0.11 | 4.60 | 19.1 | 690 | 1.38 | 1.51 | 0.78 | 0.26 | 99.2 | 9.7 | 59 | 3.72 | 30.1 |
| ZZ11337 | | 0.47 | 0.017 | 0.07 | 4.43 | 13.7 | 700 | 1.27 | 1.24 | 0.82 | 0.27 | 95.7 | 15.5 | 64 | 3.19 | 29.9 |
| ZZ11338 | | 0.40 | 0.016 | 0.12 | 4.62 | 12.3 | 680 | 1.04 | 1.15 | 0.78 | 0.37 | 68.7 | 11.9 | 56 | 2.59 | 24.1 |
| ZZ11339 | | 0.44 | 0.002 | 0.17 | 5.19 | 31.2 | 750 | 2.21 | 1.78 | 0.77 | 0.55 | 80.2 | 9.7 | 52 | 6.68 | 32.7 |
| ZZ11340 | | 0.42 | 0.008 | 0.08 | 5.75 | 20.8 | 820 | 1.60 | 1.97 | 0.65 | 0.43 | 82.2 | 12.7 | 66 | 9.55 | 35.9 |
| ZZ11341 | | 0.41 | 0.003 | 0.26 | 5.14 | 17.3 | 760 | 1.24 | 0.26 | 0.72 | 0.34 | 66.6 | 12.0 | 55 | 2.31 | 37.0 |
| ZZ11342 | | 0.40 | 0.002 | 0.05 | 5.51 | 17.4 | 780 | 1.22 | 0.45 | 0.72 | 0.27 | 60.5 | 12.1 | 64 | 3.54 | 20.5 |
| ZZ11343 | | 0.38 | 0.004 | 0.03 | 5.68 | 16.0 | 830 | 1.36 | 0.42 | 0.80 | 0.31 | 67.9 | 9.3 | 65 | 4.10 | 20.2 |
| ZZ11344 | | 0.37 | 0.003 | 0.15 | 4.94 | 15.0 | 710 | 1.17 | 0.35 | 0.79 | 0.31 | 63.9 | 9.8 | 53 | 2.56 | 22.4 |
| ZZ11345 | | 0.36 | 0.018 | 0.04 | 4.66 | 15.4 | 680 | 0.97 | 0.31 | 0.73 | 0.17 | 71.0 | 6.3 | 63 | 2.81 | 14.8 |
| ZZ11346 | | 0.38 | 0.004 | 0.05 | 4.86 | 16.5 | 730 | 1.10 | 0.26 | 0.75 | 0.23 | 86.1 | 12.3 | 66 | 3.22 | 20.3 |
| ZZ11347 | | 0.36 | 0.002 | 0.05 | 4.96 | 15.1 | 680 | 0.98 | 0.19 | 0.74 | 0.20 | 68.3 | 12.3 | 58 | 3.04 | 18.2 |
| ZZ11348 | | 0.37 | 0.005 | 0.04 | 4.67 | 15.1 | 680 | 0.99 | 0.22 | 0.75 | 0.19 | 65.4 | 10.5 | 60 | 2.55 | 13.7 |
| ZZ11349 | | 0.35 | 0.005 | 0.07 | 5.23 | 20.2 | 760 | 1.03 | 0.26 | 0.74 | 0.25 | 67.8 | 13.2 | 64 | 4.40 | 17.2 |
| ZZ11350 | | 0.36 | 0.002 | 0.25 | 4.37 | 17.3 | 660 | 1.06 | 0.27 | 0.73 | 0.24 | 62.8 | 10.5 | 45 | 2.08 | 19.3 |
| ZZ11351 | | 0.40 | 0.002 | 0.09 | 6.12 | 51.9 | 870 | 1.36 | 3.36 | 0.64 | 0.22 | 75.5 | 9.3 | 65 | 7.21 | 27.8 |
| ZZ11352 | | 0.41 | 0.005 | 0.09 | 5.93 | 117.5 | 800 | 1.24 | 4.30 | 0.62 | 0.21 | 77.4 | 10.7 | 63 | 6.81 | 33.3 |
| ZZ11353 | | 0.38 | 0.002 | 0.09 | 6.65 | 31.0 | 880 | 1.53 | 2.07 | 0.57 | 0.24 | 74.6 | 13.9 | 71 | 11.50 | 27.7 |
| ZZ11354 | | 0.38 | 0.009 | 0.27 | 5.37 | 26.1 | 800 | 1.22 | 1.09 | 0.69 | 0.38 | 74.1 | 11.4 | 58 | 3.93 | 30.4 |

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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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| 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 |
| ZZ11315 | | 3.10 | 11.00 | 0.12 | 1.9 | 0.062 | 1.15 | 36.7 | 28.2 | 0.65 | 691 | 1.15 | 0.99 | 12.4 | 19.3 | 1010 |
| ZZ11316 | | 2.89 | 15.10 | 0.12 | 2.2 | 0.101 | 1.23 | 37.3 | 32.7 | 0.65 | 360 | 1.39 | 0.99 | 15.1 | 20.7 | 950 |
| ZZ11317 | | 2.59 | 11.85 | 0.10 | 2.1 | 0.083 | 1.14 | 34.5 | 26.9 | 0.56 | 236 | 1.05 | 0.92 | 12.9 | 14.9 | 880 |
| ZZ11318 | | 2.64 | 11.50 | 0.11 | 1.9 | 0.066 | 1.14 | 31.9 | 23.7 | 0.58 | 268 | 0.98 | 0.98 | 12.0 | 15.3 | 880 |
| ZZ11319 | | 2.84 | 10.95 | 0.12 | 1.9 | 0.055 | 1.10 | 35.5 | 25.6 | 0.65 | 506 | 1.07 | 0.96 | 11.2 | 26.2 | 860 |
| ZZ11320 | | 2.89 | 11.25 | 0.10 | 1.9 | 0.056 | 1.09 | 31.6 | 22.8 | 0.63 | 443 | 1.05 | 0.94 | 11.8 | 19.2 | 840 |
| ZZ11321 | | 2.82 | 10.65 | 0.12 | 2.1 | 0.083 | 1.08 | 38.4 | 24.3 | 0.63 | 540 | 1.15 | 0.94 | 12.5 | 24.6 | 1090 |
| ZZ11322 | | 3.18 | 12.30 | 0.11 | 1.8 | 0.071 | 1.20 | 29.1 | 26.4 | 0.71 | 584 | 1.29 | 0.94 | 12.1 | 20.5 | 1030 |
| ZZ11323 | | 3.04 | 16.40 | 0.13 | 2.3 | 0.098 | 1.28 | 45.5 | 29.9 | 0.56 | 400 | 1.79 | 0.75 | 14.6 | 17.1 | 840 |
| ZZ11324 | | 3.24 | 12.70 | 0.12 | 2.0 | 0.131 | 1.25 | 33.0 | 36.4 | 0.70 | 566 | 2.49 | 0.90 | 12.3 | 21.9 | 1040 |
| ZZ11325 | | 2.84 | 15.35 | 0.13 | 2.1 | 0.117 | 1.37 | 41.2 | 34.1 | 0.72 | 536 | 1.56 | 1.02 | 13.9 | 27.5 | 900 |
| ZZ11326 | | 3.63 | 14.80 | 0.12 | 2.1 | 0.182 | 1.55 | 35.6 | 42.9 | 0.74 | 1000 | 1.14 | 0.86 | 11.9 | 24.2 | 950 |
| ZZ11327 | | 3.37 | 19.00 | 0.15 | 2.2 | 0.426 | 1.98 | 48.4 | 43.1 | 0.57 | 470 | 0.88 | 0.63 | 12.7 | 21.3 | 530 |
| ZZ11328 | | 3.17 | 14.05 | 0.14 | 2.1 | 0.132 | 1.39 | 40.3 | 37.3 | 0.70 | 421 | 1.05 | 0.99 | 12.1 | 22.9 | 820 |
| ZZ11329 | | 3.21 | 12.70 | 0.12 | 2.1 | 0.208 | 1.42 | 42.2 | 36.2 | 0.66 | 494 | 0.96 | 0.90 | 12.3 | 22.0 | 790 |
| ZZ11330 | | 3.27 | 15.15 | 0.11 | 1.9 | 0.248 | 1.40 | 35.6 | 35.0 | 0.63 | 408 | 1.12 | 0.86 | 11.6 | 20.1 | 850 |
| ZZ11331 | | 3.07 | 12.50 | 0.13 | 2.5 | 0.119 | 1.18 | 43.6 | 27.7 | 0.62 | 520 | 1.11 | 0.91 | 13.1 | 21.5 | 950 |
| ZZ11332 | | 2.99 | 10.15 | 0.10 | 2.1 | 0.106 | 1.17 | 37.1 | 21.7 | 0.60 | 587 | 0.97 | 0.89 | 12.0 | 18.0 | 910 |
| ZZ11333 | | 3.13 | 11.40 | 0.11 | 2.2 | 0.080 | 1.18 | 44.3 | 22.8 | 0.65 | 573 | 1.07 | 1.01 | 13.2 | 21.3 | 910 |
| ZZ11334 | | 3.60 | 11.40 | 0.10 | 1.7 | 0.082 | 1.36 | 30.6 | 25.3 | 0.77 | 458 | 1.16 | 1.31 | 10.3 | 23.6 | 950 |
| ZZ11335 | | 3.11 | 12.20 | 0.12 | 2.4 | 0.118 | 1.20 | 38.4 | 24.7 | 0.64 | 514 | 1.38 | 0.94 | 14.3 | 17.1 | 990 |
| ZZ11336 | | 2.87 | 11.15 | 0.13 | 2.5 | 0.090 | 1.06 | 47.5 | 24.4 | 0.60 | 473 | 1.02 | 0.89 | 13.4 | 20.0 | 920 |
| ZZ11337 | | 3.02 | 10.35 | 0.12 | 2.3 | 0.096 | 1.05 | 46.5 | 22.1 | 0.59 | 955 | 1.05 | 0.88 | 12.6 | 19.5 | 920 |
| ZZ11338 | | 2.70 | 10.15 | 0.10 | 2.2 | 0.076 | 1.03 | 32.5 | 20.4 | 0.58 | 747 | 0.86 | 0.92 | 12.3 | 17.6 | 1020 |
| ZZ11339 | | 2.73 | 12.55 | 0.11 | 1.9 | 0.084 | 1.33 | 37.8 | 30.8 | 0.55 | 582 | 0.94 | 0.92 | 14.3 | 23.5 | 880 |
| ZZ11340 | | 3.54 | 13.40 | 0.12 | 2.0 | 0.236 | 1.53 | 39.1 | 33.6 | 0.65 | 857 | 1.07 | 0.75 | 14.5 | 21.4 | 870 |
| ZZ11341 | | 2.89 | 10.40 | 0.10 | 1.9 | 0.044 | 1.05 | 30.8 | 24.1 | 0.63 | 643 | 0.80 | 0.96 | 9.9 | 25.4 | 880 |
| ZZ11342 | | 3.02 | 12.40 | 0.10 | 2.0 | 0.068 | 1.19 | 29.3 | 24.6 | 0.66 | 603 | 1.18 | 0.96 | 11.9 | 20.3 | 1000 |
| ZZ11343 | | 3.10 | 13.05 | 0.12 | 1.9 | 0.064 | 1.32 | 32.4 | 27.7 | 0.71 | 432 | 0.91 | 1.00 | 11.8 | 21.0 | 790 |
| ZZ11344 | | 2.73 | 10.05 | 0.10 | 1.7 | 0.045 | 1.09 | 30.6 | 22.4 | 0.61 | 525 | 0.84 | 0.97 | 10.2 | 22.5 | 920 |
| ZZ11345 | | 2.82 | 10.80 | 0.11 | 2.3 | 0.043 | 1.07 | 34.6 | 19.8 | 0.56 | 374 | 0.92 | 0.92 | 12.2 | 15.8 | 900 |
| ZZ11346 | | 3.14 | 10.90 | 0.11 | 2.4 | 0.051 | 1.13 | 40.7 | 22.3 | 0.61 | 684 | 1.00 | 0.94 | 12.4 | 19.9 | 910 |
| ZZ11347 | | 3.00 | 9.61 | 0.12 | 2.1 | 0.041 | 1.04 | 33.8 | 19.8 | 0.60 | 827 | 1.27 | 0.93 | 11.7 | 17.9 | 940 |
| ZZ11348 | | 2.96 | 9.57 | 0.11 | 2.0 | 0.039 | 1.06 | 32.3 | 17.6 | 0.57 | 633 | 1.06 | 0.92 | 11.6 | 14.8 | 890 |
| ZZ11349 | | 3.27 | 12.00 | 0.12 | 1.9 | 0.046 | 1.23 | 33.6 | 24.0 | 0.65 | 775 | 1.23 | 0.98 | 11.6 | 17.8 | 1010 |
| ZZ11350 | | 2.48 | 9.05 | 0.11 | 1.6 | 0.059 | 1.04 | 30.6 | 18.8 | 0.55 | 467 | 0.73 | 0.95 | 9.8 | 21.4 | 760 |
| ZZ11351 | | 3.43 | 13.95 | 0.12 | 2.0 | 0.117 | 1.54 | 37.9 | 27.8 | 0.73 | 418 | 1.14 | 0.97 | 12.4 | 20.0 | 660 |
| ZZ11352 | | 3.41 | 12.60 | 0.12 | 2.0 | 0.093 | 1.46 | 38.2 | 30.6 | 0.67 | 435 | 0.93 | 0.94 | 11.6 | 20.1 | 630 |
| ZZ11353 | | 4.03 | 15.55 | 0.11 | 2.0 | 0.059 | 1.58 | 35.8 | 34.5 | 0.69 | 764 | 1.32 | 0.90 | 12.6 | 24.0 | 900 |
| ZZ11354 | | 3.02 | 10.25 | 0.11 | 1.8 | 0.055 | 1.32 | 36.3 | 27.1 | 0.63 | 478 | 0.80 | 0.92 | 11.0 | 23.6 | 800 |

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ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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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 |
| ZZ11315 | | 13.9 | 62.0 | <0.002 | 0.02 | 1.04 | 9.3 | 1 | 2.1 | 143.5 | 0.98 | <0.05 | 12.25 | 0.419 | 0.49 | 4.7 |
| ZZ11316 | | 16.6 | 75.8 | <0.002 | 0.02 | 1.13 | 11.5 | 1 | 3.0 | 149.0 | 1.15 | <0.05 | 14.05 | 0.421 | 0.70 | 7.5 |
| ZZ11317 | | 14.3 | 61.4 | <0.002 | 0.02 | 0.86 | 9.3 | 1 | 2.7 | 130.5 | 0.90 | <0.05 | 13.15 | 0.389 | 0.64 | 5.9 |
| ZZ11318 | | 16.9 | 61.1 | <0.002 | 0.02 | 0.86 | 9.2 | 1 | 2.2 | 142.0 | 0.84 | <0.05 | 11.40 | 0.392 | 0.60 | 5.8 |
| ZZ11319 | | 14.9 | 56.8 | <0.002 | 0.02 | 1.16 | 9.9 | 1 | 1.7 | 146.0 | 0.77 | <0.05 | 11.30 | 0.353 | 0.48 | 17.4 |
| ZZ11320 | | 16.0 | 58.2 | <0.002 | 0.02 | 1.07 | 9.7 | 1 | 1.9 | 134.0 | 0.83 | <0.05 | 11.10 | 0.385 | 0.50 | 6.3 |
| ZZ11321 | | 14.0 | 58.0 | <0.002 | 0.02 | 1.07 | 9.6 | 1 | 2.8 | 150.0 | 0.93 | <0.05 | 13.00 | 0.426 | 0.52 | 4.6 |
| ZZ11322 | | 17.4 | 67.7 | <0.002 | 0.03 | 0.98 | 10.0 | 1 | 2.5 | 137.0 | 0.80 | <0.05 | 9.80 | 0.403 | 0.59 | 6.7 |
| ZZ11323 | | 19.8 | 98.2 | <0.002 | 0.02 | 1.05 | 10.1 | 1 | 4.8 | 115.5 | 1.12 | <0.05 | 16.80 | 0.441 | 0.88 | 5.5 |
| ZZ11324 | | 16.5 | 77.0 | <0.002 | 0.03 | 0.93 | 10.2 | 1 | 5.8 | 133.0 | 0.85 | <0.05 | 10.90 | 0.413 | 0.75 | 18.0 |
| ZZ11325 | | 56.7 | 96.5 | <0.002 | 0.02 | 1.30 | 11.8 | 1 | 4.1 | 154.5 | 1.05 | 0.05 | 16.50 | 0.388 | 0.97 | 7.8 |
| ZZ11326 | | 88.1 | 92.8 | <0.002 | 0.03 | 1.00 | 11.0 | 1 | 6.7 | 130.0 | 0.80 | <0.05 | 11.60 | 0.427 | 0.88 | 2.5 |
| ZZ11327 | | 19.5 | 157.0 | <0.002 | 0.03 | 1.29 | 11.4 | 1 | 33.6 | 130.0 | 0.86 | <0.05 | 19.65 | 0.389 | 2.17 | 3.6 |
| ZZ11328 | | 14.2 | 82.5 | <0.002 | 0.04 | 1.02 | 10.4 | 1 | 7.5 | 150.0 | 0.82 | <0.05 | 13.40 | 0.411 | 0.96 | 2.9 |
| ZZ11329 | | 18.8 | 92.1 | <0.002 | 0.03 | 1.01 | 10.1 | 1 | 9.7 | 133.5 | 0.84 | <0.05 | 13.95 | 0.431 | 1.06 | 3.0 |
| ZZ11330 | | 20.2 | 96.4 | <0.002 | 0.05 | 1.04 | 9.9 | 1 | 12.1 | 129.0 | 0.77 | <0.05 | 12.20 | 0.385 | 1.22 | 2.6 |
| ZZ11331 | | 14.7 | 69.7 | <0.002 | 0.03 | 0.97 | 10.1 | 1 | 6.1 | 141.5 | 0.92 | <0.05 | 13.35 | 0.455 | 0.76 | 3.1 |
| ZZ11332 | | 15.2 | 58.8 | <0.002 | 0.02 | 0.99 | 8.4 | 1 | 4.3 | 132.5 | 0.85 | <0.05 | 10.85 | 0.451 | 0.58 | 2.9 |
| ZZ11333 | | 14.2 | 62.0 | <0.002 | 0.01 | 1.10 | 11.7 | 1 | 3.4 | 152.0 | 0.95 | <0.05 | 12.25 | 0.458 | 0.54 | 6.1 |
| ZZ11334 | | 13.5 | 58.9 | <0.002 | 0.02 | 1.09 | 9.8 | 1 | 3.1 | 196.5 | 0.71 | <0.05 | 9.53 | 0.406 | 0.58 | 6.9 |
| ZZ11335 | | 17.9 | 69.9 | <0.002 | 0.02 | 1.01 | 10.1 | 1 | 5.4 | 139.5 | 1.07 | <0.05 | 12.80 | 0.457 | 0.67 | 4.6 |
| ZZ11336 | | 13.8 | 59.7 | <0.002 | 0.01 | 1.01 | 10.1 | 1 | 3.6 | 139.0 | 0.93 | <0.05 | 15.30 | 0.454 | 0.55 | 3.8 |
| ZZ11337 | | 13.5 | 54.9 | <0.002 | 0.02 | 1.06 | 9.0 | 1 | 3.2 | 136.0 | 0.91 | <0.05 | 14.05 | 0.452 | 0.49 | 3.3 |
| ZZ11338 | | 13.1 | 53.7 | <0.002 | 0.02 | 0.85 | 8.4 | 1 | 3.5 | 136.5 | 1.06 | <0.05 | 10.85 | 0.437 | 0.50 | 3.5 |
| ZZ11339 | | 16.0 | 83.4 | <0.002 | 0.01 | 1.07 | 9.3 | 1 | 3.7 | 138.5 | 1.27 | <0.05 | 13.40 | 0.387 | 0.77 | 5.5 |
| ZZ11340 | | 15.0 | 94.3 | <0.002 | 0.03 | 1.24 | 9.6 | 1 | 13.7 | 120.0 | 0.92 | <0.05 | 13.00 | 0.450 | 0.98 | 2.8 |
| ZZ11341 | | 13.5 | 52.7 | <0.002 | 0.02 | 1.15 | 10.0 | 1 | 1.4 | 144.5 | 0.65 | <0.05 | 9.75 | 0.334 | 0.46 | 2.7 |
| ZZ11342 | | 14.3 | 63.8 | <0.002 | 0.02 | 1.06 | 10.4 | 1 | 2.2 | 141.0 | 0.83 | <0.05 | 9.29 | 0.396 | 0.58 | 2.5 |
| ZZ11343 | | 13.3 | 64.4 | <0.002 | 0.02 | 1.03 | 11.2 | 1 | 2.6 | 153.5 | 0.78 | <0.05 | 10.00 | 0.410 | 0.64 | 2.4 |
| ZZ11344 | | 12.1 | 51.3 | <0.002 | 0.01 | 0.94 | 9.1 | 1 | 1.8 | 145.5 | 0.70 | <0.05 | 8.63 | 0.371 | 0.41 | 2.2 |
| ZZ11345 | | 12.8 | 51.5 | <0.002 | 0.02 | 0.93 | 9.1 | 1 | 1.7 | 133.0 | 1.25 | <0.05 | 10.55 | 0.453 | 0.44 | 2.4 |
| ZZ11346 | | 13.0 | 54.5 | <0.002 | 0.01 | 1.01 | 9.6 | 1 | 1.9 | 141.0 | 0.85 | <0.05 | 11.90 | 0.487 | 0.48 | 2.7 |
| ZZ11347 | | 12.4 | 50.5 | <0.002 | 0.02 | 1.08 | 8.5 | 1 | 1.5 | 133.0 | 0.84 | <0.05 | 10.05 | 0.438 | 0.39 | 2.2 |
| ZZ11348 | | 11.5 | 48.7 | <0.002 | 0.02 | 1.01 | 7.9 | 1 | 1.8 | 131.5 | 0.79 | <0.05 | 9.42 | 0.441 | 0.38 | 2.0 |
| ZZ11349 | | 13.6 | 61.0 | <0.002 | 0.02 | 1.05 | 9.1 | 1 | 1.9 | 143.0 | 0.77 | <0.05 | 10.05 | 0.413 | 0.51 | 2.2 |
| ZZ11350 | | 12.7 | 49.0 | <0.002 | 0.01 | 1.10 | 7.9 | 1 | 2.1 | 138.0 | 0.65 | <0.05 | 8.82 | 0.325 | 0.36 | 2.2 |
| ZZ11351 | | 17.0 | 78.1 | <0.002 | 0.03 | 1.14 | 10.4 | 1 | 3.2 | 139.5 | 0.83 | <0.05 | 12.75 | 0.407 | 0.79 | 2.4 |
| ZZ11352 | | 13.5 | 72.9 | <0.002 | 0.03 | 1.12 | 9.9 | 1 | 2.9 | 134.0 | 0.78 | 0.06 | 11.55 | 0.389 | 0.73 | 2.3 |
| ZZ11353 | | 17.3 | 89.8 | <0.002 | 0.03 | 1.12 | 11.0 | 1 | 2.6 | 130.0 | 0.85 | 0.06 | 11.85 | 0.402 | 0.78 | 2.3 |
| ZZ11354 | | 12.7 | 63.5 | <0.002 | 0.02 | 1.09 | 8.7 | 1 | 1.8 | 131.5 | 0.73 | 0.05 | 11.15 | 0.383 | 0.57 | 2.2 |

***** 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: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ11315 | | 105 | 2.8 | 13.7 | 76 | 65.3 |
| ZZ11316 | | 109 | 3.1 | 16.1 | 69 | 78.7 |
| ZZ11317 | | 99 | 3.4 | 13.2 | 52 | 64.4 |
| ZZ11318 | | 100 | 2.4 | 13.0 | 54 | 64.9 |
| ZZ11319 | | 94 | 2.2 | 15.5 | 77 | 62.1 |
| ZZ11320 | | 101 | 1.6 | 14.0 | 69 | 64.1 |
| ZZ11321 | | 97 | 2.1 | 16.5 | 81 | 67.1 |
| ZZ11322 | | 107 | 1.6 | 13.8 | 95 | 64.2 |
| ZZ11323 | | 107 | 2.5 | 13.6 | 82 | 77.8 |
| ZZ11324 | | 109 | 3.0 | 15.6 | 114 | 80.0 |
| ZZ11325 | | 103 | 3.0 | 18.1 | 133 | 70.6 |
| ZZ11326 | | 111 | 3.5 | 13.2 | 263 | 70.5 |
| ZZ11327 | | 87 | 22.1 | 19.4 | 187 | 70.6 |
| ZZ11328 | | 106 | 5.8 | 14.6 | 89 | 72.9 |
| ZZ11329 | | 101 | 6.6 | 15.2 | 97 | 71.3 |
| ZZ11330 | | 98 | 10.4 | 12.8 | 98 | 67.1 |
| ZZ11331 | | 102 | 11.5 | 15.0 | 82 | 81.3 |
| ZZ11332 | | 102 | 3.3 | 13.9 | 74 | 72.0 |
| ZZ11333 | | 102 | 3.3 | 19.1 | 77 | 74.7 |
| ZZ11334 | | 106 | 2.2 | 16.5 | 112 | 56.4 |
| ZZ11335 | | 109 | 5.5 | 14.9 | 69 | 83.1 |
| ZZ11336 | | 96 | 3.2 | 17.0 | 73 | 84.7 |
| ZZ11337 | | 100 | 2.5 | 15.2 | 68 | 76.1 |
| ZZ11338 | | 92 | 2.0 | 13.3 | 69 | 75.1 |
| ZZ11339 | | 90 | 4.7 | 15.6 | 99 | 62.6 |
| ZZ11340 | | 101 | 7.1 | 13.3 | 127 | 70.5 |
| ZZ11341 | | 90 | 1.4 | 13.9 | 89 | 63.1 |
| ZZ11342 | | 108 | 1.8 | 12.7 | 78 | 66.7 |
| ZZ11343 | | 109 | 1.9 | 14.1 | 90 | 77.6 |
| ZZ11344 | | 86 | 1.3 | 12.7 | 82 | 60.2 |
| ZZ11345 | | 102 | 1.5 | 12.2 | 57 | 74.6 |
| ZZ11346 | | 103 | 1.8 | 14.0 | 76 | 76.8 |
| ZZ11347 | | 96 | 1.6 | 12.1 | 77 | 72.5 |
| ZZ11348 | | 102 | 1.7 | 11.2 | 65 | 76.4 |
| ZZ11349 | | 110 | 1.6 | 11.6 | 82 | 72.9 |
| ZZ11350 | | 77 | 1.3 | 12.2 | 70 | 62.1 |
| ZZ11351 | | 109 | 2.4 | 11.6 | 75 | 78.2 |
| ZZ11352 | | 99 | 3.8 | 11.5 | 71 | 73.2 |
| ZZ11353 | | 113 | 3.2 | 11.5 | 95 | 76.9 |
| ZZ11354 | | 94 | 2.4 | 12.3 | 92 | 66.5 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| Sample Description | Method / Analyte / Units / LOD | WEI-21 Recvd Wt. kg 0.02 | Au-ICP21 Au ppm 0.001 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZZ11355 | | 0.34 | 0.005 | 0.40 | 7.56 | 52.9 | 960 | 1.61 | 2.06 | 0.57 | 0.54 | 72.5 | 12.5 | 77 | 9.25 | 44.8 |

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**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ11355 | | 3.52 | 16.65 | 0.12 | 1.9 | 0.332 | 1.87 | 36.7 | 37.9 | 0.71 | 627 | 1.11 | 0.88 | 13.5 | 23.5 | 900 |

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Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ11355 | | 47.4 | 102.5 | <0.002 | 0.03 | 1.21 | 11.9 | 1 | 7.9 | 128.5 | 0.89 | 0.05 | 12.80 | 0.421 | 1.06 | 2.5 |

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

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North Vancouver BC V7H 0A7
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**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

| 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 |
| ZZ11355 | | 116 | 4.4 | 12.1 | 139 | 73.6 |

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

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**Finalized Date: 20-OCT-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20190239

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REEs 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 LOG-24 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.
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: 21-NOV-2020**
**Account: F**

# CERTIFICATE WH20211182

Project: BIX

P.O. No.: Batch 6

This report is for 43 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-SEP-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| HEATHER BURRELL | MATT DUMALA | CRAIG DUNN |
| STEVE ISRAEL | JACK MORTON | SCOTT NEWMAN |
| LIZ SMITH | | |

## 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 up to 250g 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | 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:**



Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-NOV-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | WEI-21 | Au-ICP21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.001 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 |
| W590997 | | 3.78 | <0.001 | 0.9 | 0.27 | 74 | <10 | 20 | <0.5 | <2 | 0.02 | 0.7 | 1 | 15 | 20 | 2.09 |
| W590998 | | 3.05 | <0.001 | 0.8 | 0.32 | 65 | <10 | 10 | 1.1 | <2 | 0.01 | 0.8 | 3 | 21 | 81 | 7.13 |
| W590999 | | 1.24 | 0.018 | 7.3 | 0.07 | 2260 | 60 | 160 | 0.6 | 51 | 0.01 | 1.7 | 13 | 18 | 77 | 1.97 |
| W591000 | | 2.47 | <0.001 | 2.2 | 0.11 | 100 | 160 | 10 | <0.5 | 3 | 0.01 | <0.5 | 1 | 10 | 20 | 0.79 |
| K293801 | | 2.64 | <0.001 | <0.2 | 1.57 | 5 | <10 | 310 | 0.6 | 3 | 0.38 | <0.5 | 7 | 19 | 99 | 2.84 |
| K293802 | | 2.03 | <0.001 | <0.2 | 1.99 | 106 | <10 | 40 | 0.6 | <2 | 1.06 | <0.5 | 9 | 18 | 65 | 1.37 |
| K293803 | | 1.89 | 0.039 | 6.4 | 0.14 | 4330 | 30 | 30 | <0.5 | 65 | 0.01 | 6.0 | 1 | 14 | 192 | 4.14 |
| K293804 | | 2.16 | 0.228 | 51.8 | 0.17 | 6470 | 40 | 170 | <0.5 | 46 | 0.01 | 6.2 | 12 | 11 | 1120 | 13.20 |
| K293805 | | 1.58 | <0.001 | 0.3 | 0.25 | 72 | 20 | 10 | <0.5 | 3 | <0.01 | 0.5 | 4 | 17 | 53 | 3.88 |
| K293806 | | 2.08 | 0.001 | 1.2 | 0.41 | 37 | 30 | 880 | 0.6 | 31 | 0.08 | <0.5 | 1 | 13 | 105 | 2.12 |
| K293807 | | 1.85 | 0.023 | 4.3 | 0.24 | 1060 | 70 | 10 | 0.7 | 27 | <0.01 | 7.5 | 5 | 7 | 339 | 15.80 |
| K293808 | | 3.67 | 0.044 | 5.4 | 0.16 | 1475 | 90 | 30 | 0.6 | 92 | <0.01 | 7.5 | 1 | 7 | 135 | 6.73 |
| K293809 | | 2.25 | <0.001 | 0.6 | 0.27 | 16 | <10 | 20 | 0.6 | 8 | 0.06 | <0.5 | 1 | 9 | 91 | 1.16 |
| K293810 | | 1.70 | 0.002 | 3.4 | 0.24 | 152 | 20 | 80 | 1.1 | 155 | 0.01 | <0.5 | <1 | 12 | 115 | 3.51 |
| K293811 | | 2.68 | <0.001 | <0.2 | 0.32 | 5 | 10 | 20 | 0.5 | <2 | 0.02 | <0.5 | 2 | 15 | 54 | 1.12 |
| K293812 | | 2.65 | <0.001 | <0.2 | 0.05 | 2 | <10 | 10 | <0.5 | <2 | 0.02 | <0.5 | 1 | 21 | 20 | 1.22 |
| K293813 | | 2.97 | <0.001 | <0.2 | 0.33 | 7 | <10 | 30 | 0.7 | <2 | 0.03 | 4.8 | 2 | 16 | 3 | 5.61 |
| K293814 | | 1.80 | 0.001 | 2.2 | 0.88 | 2 | <10 | <10 | 0.9 | 8 | 0.01 | 20.1 | 4 | 20 | 269 | 19.10 |
| K293815 | | 3.05 | <0.001 | 0.7 | 0.20 | 22 | 30 | 20 | <0.5 | 4 | <0.01 | <0.5 | 2 | 12 | 38 | 2.03 |
| K293816 | | 2.53 | <0.001 | 0.4 | 0.52 | 18 | <10 | 30 | <0.5 | 39 | <0.01 | <0.5 | <1 | 6 | 42 | 1.11 |
| K293817 | | 1.81 | 0.001 | 6.1 | 0.13 | 57 | 20 | 20 | 0.5 | 206 | 0.01 | 0.6 | 1 | 16 | 43 | 2.10 |
| K293818 | | 2.43 | 0.011 | 0.2 | 3.10 | 6 | <10 | 80 | 1.0 | 8 | 1.77 | <0.5 | 13 | 38 | 99 | 2.17 |
| K293819 | | 1.81 | 0.032 | 0.3 | 0.08 | 159 | <10 | 50 | <0.5 | 9 | 0.01 | <0.5 | 1 | 22 | 79 | 1.90 |
| W793372 | | 1.29 | <0.001 | 0.8 | 2.19 | 13 | <10 | 70 | 0.7 | <2 | 0.40 | 1.5 | 26 | 40 | 36 | 4.18 |
| W793373 | | 1.48 | 0.006 | 0.3 | 0.26 | 22 | <10 | 40 | <0.5 | 7 | 0.01 | <0.5 | 1 | 18 | 21 | 0.83 |
| W793374 | | 2.24 | <0.001 | 0.2 | 0.21 | 3 | 10 | 30 | <0.5 | 20 | 0.02 | <0.5 | 1 | 8 | 47 | 1.03 |
| W793375 | | 2.56 | <0.001 | 0.5 | 0.23 | 17 | 20 | 20 | <0.5 | 5 | <0.01 | 0.7 | 4 | 24 | 79 | 3.32 |
| W793376 | | 1.24 | <0.001 | <0.2 | 0.67 | 15 | <10 | 60 | 0.7 | <2 | 0.01 | 0.6 | 3 | 23 | 102 | 3.07 |
| W793377 | | 2.26 | 0.001 | 18.6 | 0.65 | 388 | <10 | 40 | 2.2 | <2 | 0.01 | 2.9 | 5 | 21 | 303 | 11.65 |
| W793378 | | 1.64 | <0.001 | 5.6 | 0.67 | 26 | <10 | 20 | 3.1 | 44 | 0.01 | 0.8 | 4 | 179 | 194 | 8.71 |
| W793379 | | 0.80 | <0.001 | <0.2 | 0.23 | 4 | <10 | 20 | <0.5 | 10 | 0.01 | <0.5 | <1 | 6 | 18 | 0.88 |
| W793380 | | 2.48 | <0.001 | 1.1 | 0.62 | 346 | 10 | 120 | 0.5 | 12 | 0.23 | 0.5 | 1 | 10 | 25 | 0.79 |
| W793381 | | 0.80 | <0.001 | <0.2 | 0.22 | 68 | 70 | 20 | <0.5 | <2 | 0.03 | <0.5 | <1 | 9 | 17 | 0.79 |
| W793382 | | 1.92 | <0.001 | 0.5 | 0.17 | 9 | <10 | 10 | <0.5 | 4 | <0.01 | <0.5 | 1 | 17 | 73 | 1.41 |
| W793383 | | 2.47 | <0.001 | 0.4 | 0.21 | 425 | 70 | 10 | 0.5 | 2 | <0.01 | 1.6 | 1 | 13 | 66 | 1.77 |
| W793384 | | 2.15 | <0.001 | 1.5 | 0.36 | 97 | <10 | 60 | 0.5 | 6 | <0.01 | <0.5 | <1 | 7 | 21 | 1.18 |
| W793385 | | 2.38 | <0.001 | 1.6 | 0.13 | 412 | 40 | 20 | 0.6 | 4 | 0.01 | <0.5 | 2 | 17 | 428 | 2.46 |
| W793386 | | 2.76 | <0.001 | 3.6 | 0.19 | 4 | 20 | 10 | <0.5 | 30 | 0.05 | <0.5 | 1 | 21 | 78 | 1.06 |
| W793387 | | 1.89 | <0.001 | 0.7 | 0.08 | 4 | 50 | <10 | <0.5 | 7 | <0.01 | <0.5 | 1 | 13 | 60 | 1.19 |
| W793388 | | 2.20 | <0.001 | 1.9 | 0.14 | 133 | 150 | 10 | <0.5 | 23 | 0.01 | <0.5 | 1 | 17 | 67 | 2.63 |

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

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North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-NOV-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr |
| | Units | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 10 | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 |
| W590997 | | <10 | <1 | 0.08 | 10 | 0.02 | 102 | 1 | <0.01 | 5 | 120 | 32 | <0.01 | 3 | 1 | 1 |
| W590998 | | <10 | <1 | 0.05 | 10 | 0.01 | 134 | <1 | <0.01 | 15 | 410 | 5 | <0.01 | <2 | 12 | 4 |
| W590999 | | <10 | <1 | 0.02 | 10 | 0.01 | 120 | 1 | <0.01 | 10 | 100 | 27 | 0.08 | <2 | <1 | 3 |
| W591000 | | <10 | <1 | 0.01 | <10 | 0.01 | 73 | <1 | 0.01 | 1 | 120 | 13 | 0.03 | <2 | <1 | 4 |
| K293801 | | 10 | <1 | 0.93 | 20 | 0.60 | 165 | <1 | 0.10 | 14 | 1000 | 11 | 0.20 | <2 | 5 | 29 |
| K293802 | | 10 | <1 | 0.05 | 10 | 0.11 | 116 | <1 | 0.09 | 15 | 310 | 5 | 0.23 | <2 | 1 | 89 |
| K293803 | | <10 | <1 | <0.01 | 20 | <0.01 | 105 | 1 | <0.01 | 4 | 310 | 1540 | 0.07 | 17 | <1 | 9 |
| K293804 | | <10 | <1 | 0.01 | <10 | <0.01 | 1700 | <1 | <0.01 | 13 | 290 | 389 | 0.04 | 50 | 1 | 8 |
| K293805 | | <10 | <1 | 0.02 | 10 | 0.01 | 131 | 1 | <0.01 | 8 | 270 | 14 | 0.03 | <2 | <1 | 1 |
| K293806 | | <10 | <1 | 0.29 | 40 | 0.02 | 105 | 8 | 0.02 | 2 | 750 | 32 | 0.14 | <2 | 1 | 11 |
| K293807 | | <10 | <1 | 0.01 | <10 | 0.01 | 75 | <1 | <0.01 | 21 | 630 | 215 | 0.05 | 76 | 1 | <1 |
| K293808 | | <10 | 1 | 0.02 | 30 | 0.01 | 79 | <1 | <0.01 | 9 | 450 | 779 | 0.05 | 14 | 1 | 5 |
| K293809 | | <10 | <1 | 0.14 | 10 | 0.01 | 118 | 2 | 0.03 | 3 | 320 | 12 | 0.02 | <2 | 1 | 2 |
| K293810 | | <10 | 1 | 0.14 | 20 | 0.01 | 72 | 1 | <0.01 | 3 | 840 | 441 | 0.04 | 3 | 1 | 37 |
| K293811 | | <10 | <1 | 0.13 | <10 | 0.04 | 136 | 1 | 0.05 | 3 | 90 | 8 | 0.02 | <2 | 1 | 1 |
| K293812 | | <10 | <1 | 0.01 | <10 | <0.01 | 120 | 1 | <0.01 | 2 | 100 | 5 | 0.03 | <2 | <1 | 2 |
| K293813 | | <10 | <1 | 0.04 | 10 | 0.01 | 978 | <1 | <0.01 | 10 | 260 | <2 | 0.03 | <2 | 2 | 2 |
| K293814 | | <10 | <1 | <0.01 | <10 | <0.01 | 370 | <1 | <0.01 | 8 | 290 | 46 | 0.09 | <2 | 6 | <1 |
| K293815 | | <10 | <1 | 0.12 | 20 | 0.01 | 105 | 1 | <0.01 | 6 | 210 | 6 | 0.03 | 3 | 1 | 3 |
| K293816 | | <10 | <1 | 0.33 | 20 | 0.01 | 65 | 1 | <0.01 | 2 | 90 | 10 | 0.02 | <2 | 1 | 4 |
| K293817 | | <10 | <1 | 0.06 | 10 | 0.01 | 105 | 14 | <0.01 | 6 | 350 | 216 | 0.02 | <2 | 1 | 8 |
| K293818 | | 10 | <1 | 0.22 | 20 | 0.53 | 575 | 3 | 0.34 | 29 | 430 | 9 | 0.64 | <2 | 3 | 169 |
| K293819 | | <10 | <1 | 0.01 | <10 | 0.01 | 104 | 2 | <0.01 | 4 | 100 | 7 | 0.05 | 2 | <1 | 3 |
| W793372 | | 10 | <1 | 0.12 | 20 | 1.30 | 457 | 1 | 0.03 | 33 | 1440 | 9 | 0.02 | <2 | 5 | 11 |
| W793373 | | <10 | <1 | 0.12 | 10 | 0.01 | 66 | 1 | <0.01 | 1 | 130 | 3 | 0.03 | 3 | <1 | 31 |
| W793374 | | <10 | <1 | 0.15 | 20 | 0.01 | 81 | <1 | 0.03 | 2 | 180 | 25 | 0.06 | <2 | <1 | 7 |
| W793375 | | <10 | <1 | 0.08 | 20 | 0.01 | 314 | <1 | <0.01 | 12 | 210 | 9 | 0.02 | <2 | 1 | 2 |
| W793376 | | <10 | <1 | 0.18 | 40 | 0.02 | 108 | <1 | 0.01 | 11 | 350 | 10 | 0.02 | <2 | 2 | 5 |
| W793377 | | <10 | <1 | 0.06 | 10 | 0.01 | 471 | <1 | <0.01 | 20 | 440 | 10 | 0.01 | 3 | 15 | 3 |
| W793378 | | <10 | <1 | 0.07 | <10 | 0.04 | 133 | <1 | <0.01 | 26 | 690 | 76 | 0.02 | 4 | 7 | 2 |
| W793379 | | <10 | <1 | 0.14 | 10 | 0.01 | 76 | <1 | 0.04 | 2 | 50 | 15 | 0.05 | <2 | <1 | 4 |
| W793380 | | <10 | <1 | 0.37 | <10 | 0.01 | 92 | <1 | 0.01 | 1 | 200 | 4 | 0.01 | <2 | 1 | 4 |
| W793381 | | <10 | <1 | 0.16 | <10 | 0.01 | 80 | <1 | 0.01 | 1 | 140 | 5 | 0.01 | <2 | <1 | 2 |
| W793382 | | <10 | <1 | 0.09 | <10 | 0.01 | 157 | 1 | <0.01 | 3 | 80 | 7 | 0.01 | 2 | <1 | 1 |
| W793383 | | <10 | <1 | 0.07 | <10 | 0.01 | 84 | 1 | 0.01 | 4 | 130 | 8 | <0.01 | <2 | <1 | 3 |
| W793384 | | <10 | <1 | 0.38 | 10 | 0.01 | 67 | 3 | <0.01 | 1 | 190 | 66 | 0.03 | <2 | 1 | 6 |
| W793385 | | <10 | <1 | 0.04 | <10 | <0.01 | 135 | 1 | <0.01 | 8 | 210 | 6 | 0.01 | <2 | 1 | 3 |
| W793386 | | <10 | <1 | 0.10 | 10 | 0.01 | 70 | <1 | 0.01 | 2 | 120 | 2 | <0.01 | <2 | <1 | 2 |
| W793387 | | <10 | <1 | 0.01 | <10 | <0.01 | 93 | <1 | <0.01 | 2 | 50 | 24 | <0.01 | <2 | <1 | <1 |
| W793388 | | <10 | <1 | 0.01 | 10 | 0.01 | 106 | 4 | 0.01 | 4 | 120 | 22 | <0.01 | <2 | <1 | 15 |

***** 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

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**1016-510 W HASTINGS ST**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-NOV-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| W590997 | | <20 | <0.01 | <10 | <10 | 5 | <10 | 217 |
| W590998 | | <20 | <0.01 | <10 | <10 | 25 | <10 | 400 |
| W590999 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 84 |
| W591000 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 10 |
| K293801 | | 20 | 0.19 | <10 | 10 | 33 | <10 | 76 |
| K293802 | | <20 | 0.04 | <10 | <10 | 6 | <10 | 36 |
| K293803 | | <20 | <0.01 | <10 | <10 | 3 | 10 | 215 |
| K293804 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 511 |
| K293805 | | <20 | <0.01 | <10 | <10 | 5 | <10 | 281 |
| K293806 | | 30 | <0.01 | <10 | 10 | 3 | <10 | 22 |
| K293807 | | <20 | <0.01 | <10 | <10 | 4 | <10 | 2260 |
| K293808 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 377 |
| K293809 | | 30 | <0.01 | <10 | 10 | 1 | <10 | 32 |
| K293810 | | 30 | <0.01 | <10 | 10 | 1 | 10 | 99 |
| K293811 | | <20 | 0.02 | <10 | <10 | 5 | 10 | 12 |
| K293812 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 14 |
| K293813 | | <20 | <0.01 | <10 | <10 | 11 | <10 | 565 |
| K293814 | | <20 | <0.01 | <10 | <10 | 25 | 10 | 7870 |
| K293815 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 207 |
| K293816 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 26 |
| K293817 | | <20 | <0.01 | <10 | <10 | 4 | <10 | 72 |
| K293818 | | <20 | 0.13 | <10 | <10 | 33 | <10 | 42 |
| K293819 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 9 |
| W793372 | | 20 | 0.07 | <10 | <10 | 51 | <10 | 222 |
| W793373 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 7 |
| W793374 | | 30 | <0.01 | <10 | 20 | <1 | 10 | 20 |
| W793375 | | <20 | <0.01 | <10 | <10 | 7 | <10 | 161 |
| W793376 | | 20 | <0.01 | <10 | <10 | 27 | <10 | 145 |
| W793377 | | <20 | <0.01 | <10 | <10 | 45 | <10 | 990 |
| W793378 | | <20 | 0.01 | <10 | <10 | 55 | <10 | 565 |
| W793379 | | 20 | <0.01 | <10 | 10 | <1 | 20 | 8 |
| W793380 | | 20 | <0.01 | <10 | 10 | 1 | <10 | 13 |
| W793381 | | <20 | <0.01 | <10 | <10 | <1 | 10 | 10 |
| W793382 | | <20 | <0.01 | <10 | <10 | 2 | 170 | 35 |
| W793383 | | <20 | <0.01 | <10 | <10 | 3 | <10 | 107 |
| W793384 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 27 |
| W793385 | | <20 | <0.01 | <10 | <10 | 4 | <10 | 80 |
| W793386 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 18 |
| W793387 | | <20 | <0.01 | <10 | <10 | 2 | <10 | 63 |
| W793388 | | <20 | 0.01 | <10 | <10 | 2 | <10 | 250 |

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

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 21-NOV-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | WEI-21 | Au-ICP21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| | LOD | 0.02 | 0.001 | 0.2 | 0.01 | 2 | 10 | 10 | 0.5 | 2 | 0.01 | 0.5 | 1 | 1 | 1 | 0.01 |
| W793389 | | 2.12 | <0.001 | <0.2 | 0.47 | 58 | <10 | 30 | 2.0 | <2 | <0.01 | 0.5 | 3 | 15 | 95 | 2.97 |
| W793390 | | 2.43 | 0.004 | 3.2 | 0.52 | 326 | 10 | 40 | 0.7 | 15 | <0.01 | <0.5 | 1 | 15 | 198 | 3.75 |
| W793391 | | 1.70 | <0.001 | <0.2 | 0.05 | 3 | <10 | <10 | <0.5 | <2 | 0.03 | <0.5 | 1 | 23 | 17 | 0.86 |

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# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | S | Sb | Sc | Sr |
| | Units | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 10 | 1 | 0.01 | 10 | 0.01 | 5 | 1 | 0.01 | 1 | 10 | 2 | 0.01 | 2 | 1 | 1 |
| W793389 | | <10 | <1 | 0.15 | 10 | 0.02 | 102 | 1 | <0.01 | 13 | 550 | 7 | <0.01 | <2 | 1 | 7 |
| W793390 | | <10 | <1 | 0.23 | 20 | 0.03 | 69 | 1 | <0.01 | 5 | 330 | 23 | <0.01 | 4 | 2 | 6 |
| W793391 | | <10 | <1 | 0.01 | <10 | 0.01 | 85 | <1 | <0.01 | 2 | 140 | <2 | <0.01 | <2 | <1 | 1 |

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# CERTIFICATE OF ANALYSIS WH20211182

| Sample Description | Method | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Zn |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 20 | 0.01 | 10 | 10 | 1 | 10 | 2 |
| W793389 | | <20 | <0.01 | <10 | 10 | 11 | <10 | 114 |
| W793390 | | <20 | <0.01 | <10 | <10 | 18 | <10 | 147 |
| W793391 | | <20 | <0.01 | <10 | <10 | 1 | <10 | 4 |

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**Finalized Date: 21-NOV-2020**
**Account: F**

Project: BIX

# CERTIFICATE OF ANALYSIS WH20211182

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-31 | CRU-QC | LOG-21 | PUL-31 |
| | PUL-QC | SPL-21 | WEI-21 | |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | |
|---|---|---|
| | Au-ICP21 | ME-ICP41 |

# APPENDIX IV

# ROCK SAMPLE DESCRIPTIONS

**Rock Sample Descriptions** Property: Bix

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293801 | Date Collected: | 2020-08-25 | UTM: | 419814 | mE | Nad83, Zone 8 |
| Elevation: | 1436 m | Sampler: | Sarah Shoniker | UTM: | 7077991 | mN | |

Comments: At north end of small 'gully' have boulder that shows contact with coarse grained quartz porphyry and very fine grained purplish-grey crystalline quartzite? Hornfels? Fine grained 'hornfels/ quartzite' has fine visible pyrite and possible other sulphides throughout. Smokey quartz eyes in porphyry and contact. Porphyry has fine grains of fresh euhedral biotite grains. Rock weathers grey brown and is brown-grey fresh. Photos of sample 410-416

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293802 | Date Collected: | 2020-08-25 | UTM: | 418951 | mE | Nad83, Zone 8 |
| Elevation: | 1421 m | Sampler: | Sarah Shoniker | UTM: | 7078366 | mN | |

Comments: Orange brown weathered, orange brown to greenish grey fresh quartz vein cross cutting silicified chlorite schist (? Presumably…?) host rock is very siliceous, fine grained grey to dark green. Pyrite, possible arseno? Around edges of quartz vein in host rock. Orange-red oxide staining. Some sulphuric looking white-yellowish green oxidation on weathered surface? Minor vugs in quartz vein with euhedral quartz crystals growing within. Minor reddish- yellowish orange oxide staining in quartz veins. Quartz is very crystalline and hard to fracture. Found as float on animal path. Photos of sample 417-427

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293803 | Date Collected: | 2020-08-25 | UTM: | 419200 | mE | Nad83, Zone 8 |
| Elevation: | 1486 m | Sampler: | Sarah Shoniker | UTM: | 7079423 | mN | |

Comments: Station BIX017. old pit, sampled 2011 (?). Reddish grey weathered, reddish orange brown fresh heavily oxidized and altered quartz breccia? Vuggy, almost vesicular type textures. Euhedral quartz crystals grow into vugs. Dark red brown oxide staining. Lots of yellow- orange oxidation throughout. Rock is 'cooked' and heavily leached looking. Photos on phone 4 and 5 of pit taken looking South. Photos of sample 428-435

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293804 | Date Collected: | 2020-08-25 | UTM: | 418417 | mE | Nad83, Zone 8 |
| Elevation: | 1232 m | Sampler: | Sarah Shoniker | UTM: | 7078583 | mN | |

Comments: Downslope 15m of BIX048 have short rubble train of very silicified and oxidized quartzite (? Or schist?) breccia. More red orange oxide throughout and appears more cooked than 048. Fractures easily, quartzite appears almost cherty and is heavily altered. Very vuggy with some grey clay alteration by weathered surface. Similar to other heavily altered/ oxidized breccia seen on this property. Photos of sample 436-444

**Rock Sample Descriptions** Property: Bix

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293805 | Date Collected: | 2020-08-25 | UTM: | 418465 | mE | Nad83, Zone 8 |
| Elevation: | 1231 m | Sampler: | Sarah Shoniker | UTM: | 7078642 | mN | |

Comments: Similar brecciated quartzite but not as throughly destroyed; can still make out the individual quartzite clasts that aren't fully altered/ oxidized. Still very vuggy with limonitic staining in the quartz vein. Found as float. Photos of sample 445-452.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293806 | Date Collected: | 2020-08-25 | UTM: | 420412 | mE | Nad83, Zone 8 |
| Elevation: | 1232 m | Sampler: | Sarah Shoniker | UTM: | 7079315 | mN | |

Comments: BIX001. red brown weathered . Dark green- red coarse grained contact with granodiorite/ porphyry and biotite schist (?). Heaily altered and oxidized, lots of chlorite alteration and vugs within the schist. Quartz is quite crystalline. Pocks of red orange- brown oxide found throughout. Found as float sample on small hillside. Photos of sample 453-463

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293807 | Date Collected: | 2020-08-25 | UTM: | 419444 | mE | Nad83, Zone 8 |
| Elevation: | 1232 m | Sampler: | Sarah Shoniker | UTM: | 7079178 | mN | |

Comments: Dark purple brown weathered, reddish brown- orange fresh heavily altered and oxidized schist (?? Or really altered quartzite??) breccia. Too altered to tell what original lithology was. See fine grains of silvery bladed mineral in matrix; these have no set orientation and are very random in their growth directions. Rock is vuggy with lots of dark purple red to red orange brown oxide staining. Almost has a vesicular texture on weathered surface. Found as float in small rubble pile of oxidized schist on hillside. Some small oxidized clasts of quartzite appear almost cherty. Photos of sample 464-472.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | K293808 | Date Collected: | 2020-08-25 | UTM: | 419849 | mE | Nad83, Zone 8 |
| Elevation: | 1233 m | Sampler: | Sarah Shoniker | UTM: | 7079125 | mN | |

Comments: BIX037. boulder of red brown-grey weathered, grey green-yellow to orange- red brown fresh heavily altered/ oxidized schist? (breaks into layers so think schist although do see some grey-greenish cherty quartzite clasts on edge within so could be quartzite). Rock is vuggy, heavily oxidized, 'cooked'. Found as float. Photos of sample 473-484

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293809 | Date Collected: | 2020-08-25 | UTM: | 419645 | mE | Nad83, Zone 8 |
| Elevation: | 1232 m | Sampler: | Sarah Shoniker | UTM: | 7078545 | mN | |

Comments: BIX028, lithology 1. orange brown weathered, light grey to light orange tan fresh quartz porphyry with ~1-2 mm long tourmaline (?) crystals in clusters throughout. Minor orange oxide staining. Rock is medium grained and massive with no foliation to the fabric. Found as float with W591000. Photos of sample 485-492

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293810 | Date Collected: | 2020-08-26 | UTM: | 420899 mE | Nad83, Zone 8 |
| Elevation: | 1287 m | Sampler: | Sarah Shoniker | UTM: | 7079882 mN | |

Comments: Greenish brown weathered, dark orange- red brown fresh altered muscovite schist. Oxidized and fractured with orange to red brown oxide, vuggy, and heavily altered. Rock appears cooked. Photos of sample 493-498

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293811 | Date Collected: | 2020-08-26 | UTM: | 421871 mE | Nad83, Zone 8 |
| Elevation: | 1396 m | Sampler: | Sarah Shoniker | UTM: | 7080506 mN | |

Comments: float boulders of grey brown weathered light orange fresh very coarse grained porphyry with cm size tourmaline crystals throughout. Most appear to be growing from contact edge with fine grained, very siliceous light purple grey quartzite? (possible calc silicate?). Contact rock is foliated with fine grained layers visible within and appears as a 2cm wide vein within the porphyry rock. Tourmaline crystals are black and euhedral and although most appear to be growing towards the edge of quartzite/ calc silicate, still have some growing in random orientations throughout. Possible fine grained pyrite (?) within clast of 'cherty' dark grey bleb? Or just mica grains? Photos of sample 499-505

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293812 | Date Collected: | 2020-08-26 | UTM: | 421928 mE | Nad83, Zone 8 |
| Elevation: | 1410 m | Sampler: | Sarah Shoniker | UTM: | 7080436 mN | |

Comments: Light orange brown weathered, cherty light grey fresh bull quartz boulder with abundant bright red and orange to yellow orange oxidation/ alteration within. Very vuggy with orange brown oxide infill within some vugs. Found ~5m upslope of historical sample tag 1356 50 STN #1 by small pile of possible skarn (grey green chlorite, fine grained and crystalline/ granular with red and orange oxide staining). A lot of the oxide infill in the quartz vein is heavily altered to clay, don't see much of the original mineral. Photos of sample 506-513

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293813 | Date Collected: | 2020-08-26 | UTM: | 422030 mE | Nad83, Zone 8 |
| Elevation: | 1412 m | Sampler: | Sarah Shoniker | UTM: | 7080482 mN | |

Comments: Red brown weathered, purple grey with light red brown and orange oxide staining, fine grained quartzite breccia (or possible calc silicate?). Dark reddish black , red orange, orange and light yellow-orange oxidized staining throughout rock. Rock is very vuggy and heavy. Small quartz veins within are altered at the edges and have a milky white-yellow colour (not crystalline and clear like typically seeing). Rock is quite siliceous and hard to fracture. Quartzite/ calc silicate clasts are reddish purple and fine grained. Some small chlorite schist clasts visible within as well. Rock appears pretty cooked. Photos of sample 514-523

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293814 | Date Collected: | 2020-08-26 | UTM: | 422093 | mE | Nad83, Zone 8 |
| Elevation: | 1401 m | Sampler: | Sarah Shoniker | UTM: | 7080599 | mN | |

Comments: Looks like an old filled in pit with dark red brown- grey weathered, reddish orange to orange brown fresh very oxidized and altered calc silicate? Similar to schist, just not as much mica. Rock is pretty altered with lots of light yellow- white to orange oxide staining throughout. Small vugs and 'vesicular' texture on weathered surface. Pocks of bright orange oxide throughout (possible weathered out mafic/ sulphide minerals?). Photos of sample 524-532

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293815 | Date Collected: | 2020-08-26 | UTM: | 420866 | mE | Nad83, Zone 8 |
| Elevation: | 1360 m | Sampler: | Sarah Shoniker | UTM: | 7080158 | mN | |

Comments: Quartz boulder on foot path. Quartz vein in chlorite muscovite schist with vuggy tourmaline and chlorite veinlets within quartz as well. Some tourmaline visible in schist where it is in contact with the quartz. Quartz is mostly white with only minor red-orange staining. Weathers red brown, and is grey green to orange white fresh. Minor orange-red oxide with tourmaline crystals visible as well. Photos of sample 533-545

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293816 | Date Collected: | 2020-08-27 | UTM: | 420419 | mE | Nad83, Zone 8 |
| Elevation: | 1311 m | Sampler: | Sarah Shoniker | UTM: | 7080257 | mN | |

Comments: Float sample of red brown weathered, medium grey to light reddish brown fresh medium grained quartz porphyry. Limonitic light white-yellow to yellowish orange staining especially in top section closest to weathered exposed surface. Thin veinlet of very fine grained dark green-black tourmaline (?). Little pocks of orange oxide and small vugs throughout. Possibly a siliceous quartzite close to porphyry contact? Quite crystalline and almost 'layered'. Smokey quartz, found with boulders of oxidized schist. Some light grey-yellowish green staining within as well (sausserization of feldspar?). Photos of sample 546-551

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293817 | Date Collected: | 2020-08-27 | UTM: | 420468 | mE | Nad83, Zone 8 |
| Elevation: | 1333 m | Sampler: | Sarah Shoniker | UTM: | 7080322 | mN | |

Comments: Boulders exposed under fallen tree roots. Grey brown weathered, medium grey fresh silicified and heavily fractured quartzite (almost breccia) with lots of vuggy cross cutting mm size veinlets of yellow green (almost epidote colour), red brown and orange oxide infill. Quartz is stained light yellow-red and has 'oil spill' birefringence (? Is that the word?). Lots of red to red orange oxide staining. Small pocks earth orange oxide in light grey quartzite clasts. Some euhedral quartz crystals and possible very fine grained tourmaline in vugs, stained orange to red brown. Also have heavily altered breccia in same rubble pile (rep sample from station BIX067). Photos of sample are 552-562

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293818 | Date Collected: | 2020-08-27 | UTM: | 420921 | mE | Nad83, Zone 8 |
| Elevation: | 1468 m | Sampler: | Sarah Shoniker | UTM: | 7080644 | mN | |

Comments: Float samples from boulder trains 1-3m long exposed in close proximity to each other on West facing open grassy slope. Possible skarn??? VERY fine grained/ silicified greenish brown grey weathered, purple grey to light green grey fresh quartzite? Purple grey parts are almost cherty and rock is extremely hard. *is this the silicified schist that gets maroon and green by the skarn as mentioned in the YMEP?* fine grained pyrite disseminated throughout. Some found on edges of purple grey layer along contact with lighter green coarser grained layer. Fine grained tremolite (white- light grey 'feathery' mafic mineral in small clusters in some pieces). Unidentified blue-grey metallic sulphide (covellite? Need to look up!) with possible bornite?? Minor oxidation/ red brown staining. Hairline fractures with light red brown infill cross cut rock. Photos of sample 563-573.

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|---|---|---|---|---|---|---|---|
| Sample Number: | K293819 | Date Collected: | 2020-08-27 | UTM: | 421087 | mE | Nad83, Zone 8 |
| Elevation: | 1468 m | Sampler: | Sarah Shoniker | UTM: | 7080706 | mN | |

Comments: Red brown weathered, light reddish grey fresh quartzite boulder in calc schist/ muscovite/ biotite schist rubble. Has bright red to yellow to orange oxide in vugs and along fresh surface. Quite vuggy and oxidized. Photos of sample 574-582

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number: | W590997 | Date Collected: | 2020-08-20 | UTM: | 419627 | mE | Nad83, Zone 8 |
| Elevation: | 1419 m | Sampler: | Sarah Shoniker | UTM: | 7079604 | mN | |

Comments: Float sample from boulder of orange-brown to brown weathered, light grey- orange grey-brown fresh brecciated quartzite (? Or very silicified and chewed up schist?) very fractured and oxidized, some light yellow-orange limonite staining throughout. Small vugs with fine grained black metallic mineral within (hard to distinguish what it is… possible cassiterite?). Possible clast with flow banding at contact with breccia and quartzite. Vuggy textures, mostly with no infill unless very fine grains. Coarse grained and heavily 'cooked' although rock is still fairly weighty. Further up hill find pieces of rock with very fine grained metallic black mineral around edges of clasts in red oxide matter.

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|---|---|---|---|---|---|---|---|
| Sample Number: | W590998 | Date Collected: | 2020-08-21 | UTM: | 420148 | mE | Nad83, Zone 8 |
| Elevation: | 1247 m | Sampler: | Sarah Shoniker | UTM: | 7080076 | mN | |

Comments: Float sample of red grey weathered, light yellow-orange brown fresh heavily oxidized quartzite breccia (?). Very vuggy with limonite and possible flow banding on clast similar to W590997. Similar dark purple-reddish brown mineralization around possible very silicified quartzite clasts/ fragments? Clasts almost appear cherty and are subrounded. Found in rubble on hillside with siliceous oxidized schist and quartzite. Possibly getting close to granodiorite contact? Photos of sample 379-386

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W590999 | Date Collected: | 2020-08-22 | UTM: | 419985 | mE | Nad83, Zone 8 |
| Elevation: | 1248 m | Sampler: | Sarah Shoniker | UTM: | 7080168 | mN | |

Comments: Grab sample of red brown weathred, light-dark grey fresh silicified quartzite breccia like BIX019-1 and BIX013-2 but with dark red-grey weathered veins of fine grained tourmaline (?) and fine grained silvery metallic sulphide present within. Vugs in veins and red oxide in pocks around veins. Sulphide appears to be in the lighter grey siliceous quartz not so much in the darker quartzite. Rock is very siliceous. Found at base of slope of possible gossan BIX022. Photos 387- 397 of sample

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|---|---|---|---|---|---|---|---|
| Sample Number: | W591000 | Date Collected: | 2020-08-23 | UTM: | 419639 | mE | Nad83, Zone 8 |
| Elevation: | 1339 m | Sampler: | Sarah Shoniker | UTM: | 7078545 | mN | |

Comments: Float samples found of grey weathered, dark grey fresh very siliceous medium-coarse grained skarn? Hornsfelsed quartzite?? Rock is very hard and silicified ('pings' like quartzite!) with large (cm size) black tourmaline crystals. Some spots have a tarnished gold-brown staining/ mineral on the fresh surface. Some like peach coloured diopside? Calcite? With tourmaline crystals in some sections. Fine grained chlorite and/ or epidote is visible and possible very fine grained pyrite disseminated in places. Rock is very heavy. Large (1cm size) quartz eyes in very fine grained bluiesh grey matrix which are very clear/ white). Small pocks of light reddish orange oxide visible throughout. Further downslope approximately 5m is another boulder that has a mixed/ gradational contact with fine grained quartz greisen/ porphyry of BIX028-1. This hand specimen is mostly coarse grained black tourmaline and very fine crystalline grains of muscovite and minor biotite and quartz along contact. Photos of sample are 398- 410

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793372 | Date Collected: | 2020-08-03 | UTM: | 420298 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7079892 | mN | |

Comments: Float sample of rusty brown weathered, light grey fresh, biotite-quartz-feldspar porphyry with phenocrysts of biotite (2% overall), smoky rounded quartz (5%; up to 8mm diameter), and feldspar (10%; up to 1cm long) in a very fine-grained light grey matrix of quartz and feldspar (granodioritic composition?); feldspars altered to sericite and locally white to light orange clays; moderate limonite coating vugs and infilling weathered out phenocrysts and on fracture surfaces.

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793373 | Date Collected: | 2020-08-03 | UTM: | 420395 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078878 | mN | |

Comments: Float sample of brown to gossanous weathered, light orange to white on fresh surface, coarse-grained, silicified quartzite (sample lacks original texture because it is so siliceous) with 2cm wide vuggy quartz veinlet cutting unit with vugs up to 4mm coated with limonite ± goethite.Patches of fine-grained black mineral - tourmaline?? - up to 3mm in diameter within veinlet. Groundmass has vugs up to 4mm and fracture surfaces coated with limonite. ~2cm patch of tan to light orange, very fine-grained, soft clay on fresh surface.

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793374 | Date Collected: | 2020-08-03 | UTM: | 419672 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078277 | mN | |

Comments: Float sample of light brown weathered, light greenish grey to orange fresh, medium-grained inequigranular granite with locally porphyritic smoky quartz eyes (up to 8mm in diameter) and fine-grained white mica; black prismatic striated crystals (very hard) up to 1.5cm long occur as aggregates with smoky quartz - tourmaline ± cassiterite?; pocks and vugs up to 9mm long infilled with recrystallized quartz and coated with orange to red oxidation (limonite ± hematite?); feldspars are weakly sausseritized. Cut by 1mm wide black veinlet - tourmaline veinlet?

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793375 | Date Collected: | 2020-08-03 | UTM: | 419433 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7077961 | mN | |

Comments: Medium grey to brown weathered, tan to light orange fresh, silicified quartzite that is largely texturally destroyed with moderately abundant vugs up 6mm; weak to moderate orange oxidation (limonite?) occurs on fracture surfaces and coating mm-scale pits as well as vugs with fine-grained 1-2mm wide seams (foliae?) throughout that have minor 1-2mm wide vugs coated with limonite; weak to moderate orange limonite oxidation occurs on fracture surfaces

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793376 | Date Collected: | 2020-08-03 | UTM: | 419433 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7077961 | mN | |

Comments: Light brown to buff weathered, tan to light orange fresh, silicified schist - mica schist(?) - that is highly altered and texturally destroyed; remnant foliation is visible but mineralogy is hard to distinguish; interstitial to silica flooding is tan to light orange, fine-grained, soft clay alteration(? - easily scratched); orange to brownish red oxidation is pervasive through silicified fresh surface and coats fracture surfaces.

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793377 | Date Collected: | 2020-08-03 | UTM: | 419995 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7080174 | mN | |

Comments: Composite sample from outcrop and locally derived rubble of gossanous to brownish orange weathered, light grey to tan on fresh surface, altered and silicified muscovite(?) schist; cross cut by 2-3mm wide, black to dark grey, fine-grained veinlets - possibly tourmaline?; dark red hematite oxidation occurs on foliae; moderate to strong orange limonite oxidation occurs on weathered surface, foliation surfaces and along fracture surfaces; brownish purple botroydal minearl occurs on fracture surfaces - goethite? hematite?

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793378 | Date Collected: | 2020-08-03 | UTM: | 420182 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7079430 | mN | |

Comments: Float sample of brownish orange weathered, light grey to white to light orange fresh quartzite with moderate to strong orange limonitic and lesser purplish red oxidation throughout, particularly coating cugs and small hairline veinlets; locally quartzite has a "cherty" texture; no visible sulfides

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793379 | Date Collected: | 2020-08-03 | UTM: | 419805 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078437 | mN | |

Comments: Float grab from boulder/rubble of light orange weathered, buff to tan fresh, fine to medium-grained equigranular altered granite to greisen(?) with a sugary texture (almost aplite) with aggregates up to 8mm long of vitreous, hard black mineral - cassiterite? tourmaline? - that comprises 5-7% of rock; local vugs to cavities up to cm-scale (miarolitic cavities?)

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793380 | Date Collected: | 2020-08-03 | UTM: | 419748 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078222 | mN | |

Comments: Composite grab sample of brownish orange weathered, medium grey to tan to light orange on fresh surface, fine-grained siliceous muscovite granite (greisen? - vugs mm-scale to cavities up to cm-scale) with rounded phenocrysts of smoky quartz up to 5mm diameter; light orange staining (limonite oxidation) occurs on fracture surfaces and coats mm-scale pits; small mm-scale (up to 5mm diameter) clusters of black to dark grey hard mineral - cassiterite or tourmaline? (2-3% overall).

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793381 | Date Collected: | 2020-08-03 | UTM: | 419645 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078845 | mN | |

Comments: Float sample from locally derived boulder on gentle open slope of brownish grey weathered, tan to light grey fresh muscovite-tourmaline quartz monzonite; black tourmaline up to 1cm occurs in clusters that comprise 20% of the sample and occur within a 4cm wide band that is surrounded by fine-grained granitoid (granite?) with abundant fine-grained euhedral muscovite; minor pits up to 2mm wide with moderate limonitic coating.

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793382 | Date Collected: | 2020-08-03 | UTM: | 419636 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078850 | mN | |

Comments: Float sample of brownish orange weathered, light grey to white to light orange fresh silicified schist cut by 2.5cm wide quartz vein (cross cuts perpendicular to foliation) with discontinuous selvage comprised of fine-grained chlorite ± tourmaline; orange limonite oxidation occurs in patches up to 1cm diameter as well as coating vugs and pits within quartz vein (up to 4mm wide)

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793383 | Date Collected: | 2020-08-03 | UTM: | 419642 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078946 | mN | |

Comments: Float sample of brownish orange weathered, light translucent grey to light orange fresh silicified quartzite (almost brecciated) with thin (mm-scale to 0.5cm wide) black to dark brown veinlets(?) comprised of very fine-grained to acicular tourmaline; vugs <1cm with fine-grained acicular tourmaline growing in them; abundant brownish vitreous shimmery acicular mineral on purplish red oxidized surface - goethite?

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793384 | Date Collected: | 2020-08-03 | UTM: | 419973 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7079123 | mN | |

Comments: Float sample of light brown weathered, light greenish grey to orange fresh, medium-grained inequigranular granite (greisen?) with locally porphyritic smoky quartz eyes (up to 6mm in diameter) and fine-grained white mica; mm-scale pits are infilled with dark orange limonitic oxidation - possibly weathered out sulfides?

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793385 | Date Collected: | 2020-08-03 | UTM: | 419973 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7079123 | mN | |

Comments: Float sample collected on hillside of medium grey to brownish orange weathered to light to medium grey fresh silcified quartzite breccia with moderate limonite oxidation concentrated along fracture surfaces and infilling vugs (up to 3mm wide); mm-scale pits infilled with orange limonite as well as brownish-orange oxidation mineral - weathered out sulfides?

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793386 | Date Collected: | 2020-08-03 | UTM: | 419866 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7078235 | mN | |

Comments: Composite float sample collected from rubble pile of quartzite and quartz porphyry; sample is of medium grey to brownish orange weathered to light to medium grey fresh silcified quartzite, heavily fractured (almost brecciated); quartzite is cross cut by light to medium grey crystalline to vuggy quartz veins up to 1cm wide with euhedral quartz crystals (mm-scale) and moderate to strong brownish orange (limonite?) oxidation mineral infilling vugs

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793387 | Date Collected: | 2020-08-03 | UTM: | 419834 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7077984 | mN | |

Comments: Float sample of brownish grey green weathered, greyish-green to medium grey gresh, fine-grained, heavily altered (almost to clay) schist with opaque white to light pink crystalline quartz veins (up to 1cm wide) cutting it (looks almost like silicieous quartzite breccia); quartz veins are vuggy (up to 2cm long) infilled with recrystallized quartz and coated with moderate to strong brownish orange oxidation (limonite ± goethite?); yellowish-green, fine-grained, soft alteration mineral is pervasive in altered schist layers (chlorite? clays?) and often pitted (almost boxwork); no visible sulfides

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793388 | Date Collected: | 2020-08-03 | UTM: | 421403 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7080353 | mN | |

Comments: Float sample of brownish red weathered, medium grey to black fresh, fine-grained siliceous schist to quartzite (primary lithology unclear) with abundant fine to very fine-grained tourmaline veinlets up to 1cm thick; local vugs coated with mm-scale acicular tourmaline crystals; mm-scale pits and vugs up to 1cm long coated with dark orange limonitic coating - possibly weathered out sulfides?

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793389 | Date Collected: | 2020-08-03 | UTM: | 420468 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7080322 | mN | |

Comments: Float sample collected from boulders exposed under fallen tree roots of brownish orange to brownish red weathered, tan to light orange on fresh surface heavily altered siliceous quartzite (possibly brecciated) with strong to intense brownish orange oxidation that is pervasive (limonite + hematite?); a silvery dark grey to dull earthy dark grey mineral forms seams within the quartzite and interstitially to brecciated quartzite fragments as well as surrounding vugs - goethite? (brownish yellow streak); vugs up to 1cm locally coated with very-fine grained black mineral - tourmaline?

**Rock Sample Descriptions** Property: Bix

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793390 | Date Collected: | 2020-08-03 | UTM: | 420524 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7080357 | mN | |

Comments: Float sample from very large boulder of brownish orange weathered, light to medium grey to light orange fresh, clast supported quartzite breccia with well preserved (minor alteration) angular clasts up to 2cm comprised dominanly of dark and light grey schist and quartzite (that almost looks like chert) with minor quartz fragments; matrix is light grey, fine-grained with moderately abundant limonitic oxidation pervasive throughout; abundant vugs (up to 8mm wide) in the matrix that are infilled with moderate to strong limonite oxidation; no visible sulfides

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|---|---|---|---|---|---|---|---|
| Sample Number: | W793391 | Date Collected: | 2020-08-03 | UTM: | 420778 | mE | Nad83, Zone 8 |
| Elevation: | m | Sampler: | Sarah Shoniker | UTM: | 7080590 | mN | |

Comments: Float sample from boulder of light brownish orange weathered, light orange to opaque white fresh quartz vein with dark greyish green acicular tourmaline(?) that occurs as radiating aggregates up to 2cm in diameter on orange stained fracture surface; minor vugs up to 8mm wide infilled with recrystallized quartz, fine-grained euhedral muscovite and coated with limonite.

418,000
420,000
422,000
424,000
7,084,000
7,082,000
7,080,000
7,078,000
7,076,000

True North
1°27'
Grid North
Magnetic North
19°0.22' E
Annual change 24.8' W

ZONE A
ZONE B
PROPERTY BOUNDARY
SUNSHINE CREEK

## Outcrop, area of outcrop
Fold axis trace
Diamond drill hole
Joint (inclined)
Foliation (inclined)
Fault
Assumed trace of breccia
Geological contact

**Cretaceous or later**
- Breccia: Tourmalinized, silicified. minor tin mineralization

**Cretaceous**
- Aplite
- Serpentinized ultramafic
- Quartz - feldspar porphyry: Non-foliated, discordant
- Greisen (Quartz, muscovite, tourmaline)
- Quartz monzonite, porphyritic quartz monzonite

**Proterozoic**
- Quartz - feldspar porphyry: Concordant
- Phyllite
- Quartz - muscovite schist, foliated quartzite and limestone
- Quartz - biotite schist and minor spotted biotite schist
- Limestone, calc-silicate, minor skarn
- Quartz - muscovite schist, quartz-chlorite schist, minor graphitic schists with quartzite

*after Hawkins (1981)*

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# PROPERTY GEOLOGY

BIX PROPERTY

0 1
kilometers

UTM ZONE 8, NAD 83, 115P 15

FILE: ../2020/BIX

DATE: JANUARY 2021