

Ministry of Energy and Mines  
BC Geological Survey

Assessment Report  
Title Page and Summary

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

TOTAL COST: 491,800.00

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

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX9-066 YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5765048 Jan15, 2020 - Jan 15, 2025

PROPERTY NAME: Neil

CLAIM NAME(S) (on which the work was done): 1046488

COMMODITIES SOUGHT: copper, cobalt

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 94K-053, 94K-012

MINING DIVISION: Liard Mining Division NTS/BCGS: 94K11, 94K12

LATITUDE: 58 ° 33 ' 11 " LONGITUDE: 125 ° 31 ' 35.5 " (at centre of work)

OWNER(S):  
1) Alan Raven 2) \_\_\_\_\_

MAILING ADDRESS:  
306-3582 14th Avenue Box 722  
Smithers, BC V0J 2N0

OPERATOR(S) [who paid for the work]:  
1) Fabled Copper Corporation 2) \_\_\_\_\_

MAILING ADDRESS:  
2300-1066 West Hastings St.  
Vancouver, BC V6C 3A8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
Helikian Aida Formation of interlaminated black and grey mudstones, siltstone, dolomite and limestone.

Steeply dipping quartz carbonate veins striking 060 degrees adjacent to andesite dykes. Veins range from 50 cm to 6 m in width. Mineralized variably with chalcopyrite and pyrite. dykes proximal to mineralized veins show extensive potassic alteration

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: High Range Exploration, Neil Property, Geological Remote Sensing Investigation, October, 2016

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
<b>Ground, mapping</b> _____	_____	_____	_____
<b>Photo interpretation</b> _____	_____	_____	_____
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
<b>Magnetic</b> _____	_____	_____	_____
<b>Electromagnetic</b> _____	_____	_____	_____
<b>Induced Polarization</b> _____	_____	_____	_____
<b>Radiometric</b> _____	_____	_____	_____
<b>Seismic</b> _____	_____	_____	_____
<b>Other</b> _____	_____	_____	_____
<b>Airborne</b> _____	_____	_____	_____
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
<b>Soil</b> _____	_____	_____	_____
<b>Silt</b> _____	_____	_____	_____
<b>Rock</b> _____	_____	_____	_____
<b>Other</b> _____	_____	_____	_____
<b>DRILLING (total metres; number of holes, size)</b>			
<b>Core</b> 978 metres, 6 holes, NQTW	1046488		488,300.00
<b>Non-core</b> _____	_____	_____	_____
<b>RELATED TECHNICAL</b>			
<b>Sampling/assaying</b> _____	_____	_____	3,000.00
<b>Petrographic</b> _____	_____	_____	_____
<b>Mineralographic</b> _____	_____	_____	_____
<b>Metallurgic</b> _____	_____	_____	_____
<b>PROSPECTING (scale, area)</b> _____			
<b>PREPARATORY / PHYSICAL</b>			
<b>Line/grid (kilometres)</b> _____	_____	_____	_____
<b>Topographic/Photogrammetric (scale, area)</b> _____	_____	_____	_____
<b>Legal surveys (scale, area)</b> _____	_____	_____	_____
<b>Road, local access (kilometres)/trail</b> _____	_____	_____	_____
<b>Trench (metres)</b> _____	_____	_____	_____
<b>Underground dev. (metres)</b> _____	_____	_____	_____
<b>Other</b> _____	_____	_____	_____
<b>TOTAL COST:</b>			491,800.00

**DIAMOND DRILLING PROGRAM ON THE CHURCH KEY PROPERTIES**

**Tenure Numbers:** 510740, 519544, 519546, 1026111, 1026112, 1030419, 1034440, 1034443, 1034445, 1034447, 1034459, 1034472, 1034473, 1034497, 1034498, 1034576, 1034578, 1034583, 1034585, 1037753, 1038186, 1042237, 1042393, 1050167, 1050168, 1050495, 1054662, 1055498, 1055499, 1055500, 1055501, 1056487, 1056488, 1056489, 1059841

located in the Liard Mining Division, B .C.

UTM Coordinates, 354000E, 692000N

125° 31' 35.55" W, 58° 33' 6.111" N , NTS 094K/11 and 094K/12 (BCGS 94K-053, 94K-012, 94K-040 )

owned by:

A.R. Raven  
Tony Simon  
John Bot

operated by:

Fabled Copper Corporation  
2300-1066 West Hasting St.  
Vancouver, BC V6C 3A8

Supervised by:

John Kowalchuk, P.Geo.

**JMK GEOLOGICAL SERVICES.**

#16-7491 No 1 Road  
Richmond, B.C. V7C 1T7

March 1, 2020

**Event 576048**

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## 1.0 Introduction

At the request of Fabled Copper Corporation, under license from Al Raven, John Bot and Tony Simon, the registered owners of the property, the author completed a 980 metre drilling property on the Neil Property from September 25 to October 26, 2019.

### 1.1 Location and Access

The Church Key property, which includes the Neil and Ram Creek mineral claims, the Keays claims and the Magnum claims is situated about 545 km north-northwest of Prince George and 167 km west-southwest of Fort Nelson, British Columbia within N.T.S. map sheets 94K/11 and 94K/12. Another part of the Fabled Copper Property includes the Toro Claims. The Toro claims are not a part of this report. The claims are centered at approximately UTM Coordinates, 354000E, 692000N (Figure 1) and lie at an elevation between 1,360 and 2,400m asl. Drilling was completed on Neil and Ram Creek Claims.

Current access to the property is only by helicopter. Previously, dirt roads provided access to the claims from the west along Toad River to Ram Creek and from the east along Yedhe Creek from Mile 442 on the Alaska Highway. However, these routes have since been decommissioned.

**Figure 1 ChurchKey Location Map**



## 1.2 Claim Status

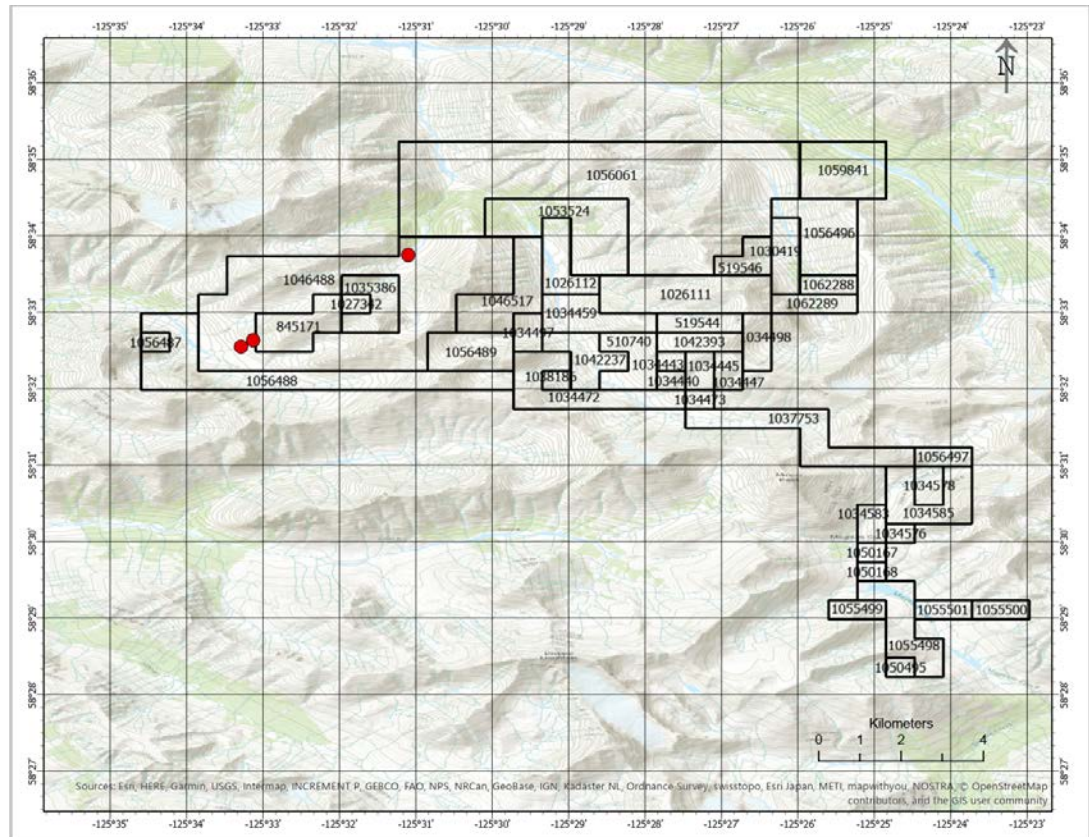
The location of the 55 mineral claims comprising the ChurchKey property is shown on Figure 2. The claim details, as of October 8, 2019, are summarized in Table 1. The claims are all owned by three people: Tony Simon, John Bot and Al Raven (High Range Explorations Ltd). They are optioned to Fabled Copper Corporation who contracted the author to complete the work program and report on them. The total area of the Church Key group of mineral claims is 3784.18 hectares.

**Table 1. Description of Church Key Group of mineral claims.**

<b>Title</b>	<b>Claim</b>	<b>Map</b>	<b>Issue</b>	<b>Good to</b>	<b>Area</b>		
<b>Number</b>	<b>Name</b>	<b>Owner</b>	<b>Ownership</b>	<b>Number</b>	<b>Date</b>	<b>Date</b>	<b>(ha)</b>
510740	Key 2	124708	100.00%	094K	14 Apr 2005	15 Jan 2020	84.48
519544	Key	124708	100.00%	094K	31 Aug 2005	15 Jan 2020	50.67
519546	Key 3	124708	100.00%	094K	31 Aug 2005	15 Jan 2020	50.65
1026111	Eagle 1	102844	100.00%	094K	20 Feb 2014	15 May 2020	202.66
1026112	Eagle 2	102844	100.00%	094K	20 Feb 2014	15 May 2020	84.42
845171	Ram Creek	122312	100.00%	094K	Jan 31, 2011	15 Dec 2024	101.35
1027342	Ram East	122312	100.00%	094K	Apr 8, 2014	15 Dec 2024	16.89
1035386	Ram NE	122312	100.00%	094K	Apr 9, 2015	15 Dec 2024	84.44
1046488	Neil Exten	122312	100.00%	094K	Sep 5, 2016	15 Dec 2024	776.91
1046517	Neil NE	122312	100.00%	094K	Sep 7, 2016	15 Dec 2024	135.11
1053524	Neil North	122312	100.00%	94K	Jul 29, 2017	15 Dec 2024	219.46
1030419		102844	100.00%	094K	20 Aug 2014	15 May 2020	67.54
1034440		102844	100.00%	094K	27 Feb 2015	15 May 2020	16.90
1034443		102844	100.00%	094K	27 Feb 2015	15 May 2020	16.90
1034445		102844	100.00%	094K	27 Feb 2015	15 May 2020	33.79
1034447		102844	100.00%	094K	27 Feb 2015	15 May 2020	33.79
1034459		102844	100.00%	094K	1 Mar 2015	15 May 2020	101.34
1034472		102844	100.00%	094K	1 Mar 2015	15 May 2020	152.08
1034473		102844	100.00%	094K	1 Mar 2015	15 May 2020	16.90
1034497		102844	100.00%	094K	1 Mar 2015	15 May 2020	33.78
1034498		102844	100.00%	094K	1 Mar 2015	15 May 2020	50.68
1034576		102844	100.00%	094K	4 Mar 2015	15 May 2020	16.91
1034578	Magnum Core	102844	100.00%	094K	4 Mar 2015	15 May 2020	33.82
1034583		102844	100.00%	094K	4 Mar 2015	15 May 2020	33.82
1034585		102844	100.00%	094K	4 Mar 2015	15 May 2020	118.37
1037753	Miners Link	102844	100.00%	094K	5 Aug 2015	15 May 2020	169.03
1038186		102844	100.00%	094K	25Aug 2015	15 May 2020	16.90
1042237	Key 1	102844	100.00%	094K	22 Feb 2016	15 May 2020	84.47
1042393	Key 4	124708	100.00%	094K	28 Feb 2016	15 Jul 2020	50.68
1050167	Church 5	102844	100.00%	094K	20 Feb 2017	15 May 2020	16.91
1050168	Church 6	102844	100.00%	094K	20 Feb 2017	15 May 2020	16.92
1050495	Lady Luck	102844	100.00%	094K	1 Mar 2017	15 May 2020	16.93
1054662	Toad River	102844	100.00%	094K	8 Sep 2017	15 May 2020	16.89
1055498	Lady Luck Road	102844	100.00%	094K	12 Oct 2017	15 May 2020	118.46
1055499	Lucky Mac	102844	100.00%	094K	12 Oct 2017	15 May 2020	33.84
1055500	Magnum Creek	102844	100.00%	094K	12 Oct 2017	15 May 2020	33.84
1055501	Magnum Creek 2	102844	100.00%	094K	12 Oct 2017	15 May 2020	33.84
1056061		102844	100.00%	94K	04 Nov 2017	30 Nov 2019	1097.08
1056487	Rammm	102844	100.00%	094K	18 Nov 2017	15 May 2020	16.89

1056488	Ramming	102844	100.00%	094K	18 Nov 2017	15 May 2020	304.13
1056489	Ram 3	102844	100.00%	094K	18 Nov 2017	15 May 2020	101.37
1056496	Key East	102844	100.00%	094K	19 Nov 2017	15 May 2020	151.94
1056497	Church Bells	102844	100.00%	094K	19 Nov 2017	15 May 2020	33.81
1059435	Green Toad	102844	100.00%	094K	19 Mar 2018	15 May 2020	16.89
1059841	KE 2	102844	100.00%	094K	5 Apr 2018	15 May 2020	151.89
1062288	Key East 2	102844	100.00%	094K	10 Aug 2018	15 May 2020	33.77
1062289	Key East 3	102844	100.00%	094K	10 Aug 2018	15 May 2020	50.67

**Figure 2 ChurchKey Claims**



### 1.3 Physiography and Vegetation

The claims lie within the Muskwa Range of the northern Rocky Mountains, an area of great topographic relief, ranging from about 900 to 2600m above sea level. Castellated peaks, jagged ridges and wide U-shaped valleys occupied by braided rivers characterize the area (Holland, 1976). The lower slopes are covered by open scree which grades into moderate to dense growths of spruce trees on valley bottoms. The steep upper slopes are mainly devoid of vegetation and consist of exposed rock and open scree.

Tree line is at approximately 1400m. Local glaciation has produced numerous moraines and has deposited variable thicknesses of till up to an elevation of about 1500m. A number of glaciers still exist at high elevations particularly in north and east facing cirques. Creeks draining the property flow into the



Gataga, Racing and Toad Rivers, which are all tributaries of the Liard River and ultimately drain into to Arctic Ocean via the Mackenzie River.

The area is contained within the Northern Canadian Rocky Mountain Ecoregion<sup>1</sup>, specifically in the eastern Muskwa Ecosystem. This area is protected from moist Pacific air moving over the mountains to the west, however low-pressure storms in Alberta pushing moisture eastward over the Alberta Plateaus to the east can result in extreme rain events. In the winter and early spring, dense, cold Arctic air can invade this area by coming down from the Interior Plains to the north. Spruce-Willow-Birch forests and shrublands grow in the interior valleys and lower slopes. Alpine areas are extensive and consist of rugged Boreal Altai Fescue Alpine but vegetation is generally sparse and barren rock is common with increased elevation. Several large glaciers remain on the highest summits.

## 2.0 Regional Geology

The regional geology is shown in Figure 3. The claims are located in the Cordilleran Foreland Belt in the northern Rocky Mountains and are underlain by a broad belt of sedimentary rocks that have been deformed by moderate folds and a stack of northeast verging thrust or reactivated reverse faults. The structural trend throughout the Rocky Mountains is predominantly northwest. The main structural feature in the project area is the Muskwa Anticlinorium, a major north-northwest trending window that exposes rocks as old as Middle Proterozoic (Helikian). The pre-Paleozoic package is collectively referred to as the Muskwa Assemblage and consists of a 6400m thick succession of argillaceous to fine grained siliciclastic strata and carbonates. Seven formations of Proterozoic age are represented in the anticlinorium. From oldest to youngest, with approximately true thickness, they are the Chischa Formation (940m), Tetsa Formation (320 m), George Formation (360-530m), Henry Creek Formation (460m), Tuchodi Formation (1500m), Aida Formation and Gataga Formation (3000m together). Paleozoic units unconformably overlie the Proterozoic rocks along a Lower Cambrian erosional surface. Mapping in the area, (Carne, 2006) has identified various Paleozoic strata, units belonging to the three uppermost Proterozoic Formations, numerous gabbroic and diabase dykes, and perhaps most importantly, a few discordant hematite-rich breccia bodies.

The Tuchodi Formation is the oldest outcropping unit on the property. It comprises medium to thin bedded quartzite and quartz flooded dolomitic siltstone and argillite. Deposition in shallow water is inferred by mud cracks and stromatolitic dolomite. This Formation is relatively resistant to weathering and often forms an obvious bench on hill slopes where overlain by the more recessive weathering Aida Formation and Gataga Formation.

The Aida Formation, which underlies most of the Toro claims, lies conformably atop the Tuchodi Formation and is composed of buff weathered calcareous and dolomitic siltstone and mudstone with minor amounts of sandstone. Two generations of penetrative slaty cleavage are well developed in the rocks of this Formation. The Gataga Formation conformably overlies the Aida Formation and is characterized by black carbonaceous shales. Its rocks are well cleaved and dark weathered. Paleozoic stratigraphy on the claim block is Cambrian to Devonian in age. These strata unconformably overlie the Proterozoic Formations and are mainly composed of carbonaceous and siliceous units, including limestone, dolomite, quartzite and quartz pebble conglomerate.

The Proterozoic Formations are crosscut by a set of apparently Hadrynian aged gabbro and diabase dykes. The dykes range between 5 to 35m in width and follow the main north-northwest structural

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<sup>1</sup> <http://www.env.gov.bc.ca/ecology/ecoregions/>



orientation of the area. The majority of the dykes are moderately to strongly magnetic. They form prominent linear features that resist weathering. The dykes are the only observed igneous rocks in the Muskwa Anticlinorium.

Low grade metamorphism, mainly sub-greenschist, is evident throughout the Proterozoic sedimentary package. Contact metamorphism along the periphery of the dykes is rare but, where present, consists of sericite and chlorite alteration.

Thrust faults, reverse faults and moderate folding characterize the structural history of the area. Late Helikian or early Hadrynian structures are represented by high angle fault zones that have been intruded by dyke swarms. These structural zones are considered to be deep-seated and have been observed to be up to 180m wide, hinting at an extensional tectonic environment. Their inferred strike lengths are in the order of tens of kilometers. Copper bearing quartz carbonate veins were emplaced along these same structures and are mainly found alongside the gabbroic dykes. Some workers report that the veins are older than the dykes but evidence is inconclusive. Shearing is common along the dyke contacts with the wall rocks and veins. Low angle, westerly dipping thrust faults have in some areas stacked Proterozoic basement rocks above the Paleozoic cover rocks. These faults are north-south trending and extend over hundreds of kilometers. Faults and folds developed during Jurassic to Tertiary times. Penetrative slaty cleavage occurs throughout the Proterozoic rocks and is especially visible in the argillaceous rocks of the Aida Formation and Gataga Formation.

### **3.0 Property Geology**

Much of the following is from B.C. Minfile descriptions of 094K 040 and 094K 057. The Neil property is underlain mainly by the Aida Formation of the Muskwa Assemblage (Geology, Exploration and Mining in British Columbia 1971; Geological Survey of Canada Memoir 373). In this area, this unit comprises calcareous and dolomitic mudstone and slate, silty mudstone, dolostone, limestone and minor quartzite (Adamson, 1971). Bedding strikes northwest and dips moderately southwest. Locally the rocks are folded, sheared and faulted, and are intruded by several northeast-striking diabase dykes. All dykes dip steeply or vertically and most strike northeast. The dykes produce a minimal amount of contact metamorphism in the surrounding sedimentary rock.

The strata are folded about axes that plunge gently southeast. All folds are asymmetric, with steep northeast and gentle southwest limbs, and have an axial planar slaty cleavage that strikes northwest and dips steeply southwest.



### Figure 3b Regional Geology Legend

Table 1: Geology Legend

<b>Phanerozoic</b>	<b>Paleozoic</b>	
	<b>Carboniferous and Devonian</b>	
	Db	- Besa River Formation: dark pyritic siliceous shale
	<b>Devonian</b>	
	Dd	- Dunedin Formation: dark grey limestone
	<i>Local Disconformity</i>	
	Ds	- Stone Formation: light grey dolomite; dolomite breccia
	<i>Disconformity</i>	
	Dw	- Wokkash Formation: sandstone, minor dolomite, shale
	Dm	- Muncho-McConnell Formation: dolomite
	<i>Disconformity</i>	
	<b>Silurian</b>	
	Sn	- Nonda Formation: dark grey dolomite, basal sandstones; minor limestone
<i>Angular unconformity</i>		
<b>Ordovician - Ketchica Group</b>		
Ok	- argillaceous limestone	
Okg	- graptolitic shale	
Okt	- turbidites	
OkI	- limestone, minor sandstone	
<i>Angular unconformity</i>		
<b>Cambrian - Atan Group</b>		
Ca	- limestone, dolomite; minor sandstone and shale	
Cs	- conglomerate, sandstone, shale; minor limestone	
<i>Disconformity</i>		
<b>Proterozoic</b>	<b>Hadrynian</b>	
	Pv	- quartz-chlorite phyllite, meta-sandstone, quartz-pebble conglomerate
	<i>Angular unconformity</i>	
	<b>Helikian</b>	
	- gabbroic dykes	
	Pg	- Gataga Formation: mudstone, siltstone; minor sandstone
	Pa	- Aida Formation: mudstone, siltstone; minor chamositic and carbonaceous mudstone, dolomite, and limestone
	Pt	- Tuchodi Formation: quartzite, dolomite, siltstone; minor red shale
	Ph	- Henry Creek Formation: calcareous mudstone, siltstone; minor sandstone
	Pd	- George Formation: limestone, dolomite
Ps	- Tetsa Formation: dark grey mudstone, sandstone; minor quartzite	
<i>Disconformity</i>		
Pc	- Chisma Formation: dolomite, quartzite; minor siltstone	

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A prominent shear zone passes through the area, striking about 045°. It is approximately 30 metres wide and has been traced for 1.1 kilometres horizontally, and 425 metres vertically. Coincident with the shear zone is a large diabase dyke, forming a resistant spur which makes up the Neil Ridge. It dips steeply and is between 2 and 12 metres thick. Its contacts are sheared and altered, as is the adjacent slaty mudstone wall rock. The dyke and the shear zone are important as they host a discontinuous series of mineralized quartz-carbonate veins, the most important of which is the Neil Vein, occurring at or close to the dyke's contacts in the shear zone. The constituent veins have the same general orientation, but may vary in attitude on a smaller scale. The veins range in thickness from a few centimetres to 2.75 metres but most veins are less than one metre thick. They may have originally been a single vein which has been disrupted by shearing into smaller lenses. The age relationship between the dyke's intrusion and the veining is uncertain; at least some shearing post-dates both.

The veins are composed of quartz and ankerite, and may have inclusions of wall rock forming quartz cemented breccias. Chalcopyrite is sporadic and occurs in variable amounts, along with very minor bornite and pyrite. Secondary malachite and azurite are common. Barren veins appear to be younger than the dikes and can cause silicification of the dike rock.

Although this report represents work credits for the contiguous claims of the Church Key project, all of the work in 2019 was performed on the Neil Property so details on the Key and Magnum Properties are not discussed in this report. It should be noted that the style of mineralization on both of these adjacent properties is similar to that of the Neil Property.

#### **4.0 2019 Drill Program**

Kluane Drilling Ltd. were contracted to complete the drill program using a helicopter portable hydraulic drill rig (KD1000). The company drilled NQ thinwall which produces core with a diameter of 2.21 inches (56.23mm) which is almost the diameter of HQ core. Drill pads were constructed out of 10x10 inch x 16 foot timbers ahead of each drill move so that the drill could move directly onto each site. Highland Helicopters provided an A-Star helicopter which was sufficient for moving the drill. Fog, snow and high winds caused delays of several days.

Core was placed into wooden core boxes, strapped and flown to a prepared drill logging and sampling site near Muncho Lake. Core boxes were marked and core was washed and logged geotechnically, measuring core recovery and RQD (Rock Quality Index) a measurement of fracturing used by engineers. The core was then logged geologically when mineralized sections were marked for sampling. The core was then photographed. The core to be sampled was cut in half by a rock saw and half the core was placed into marked plastic sample bags and the other half was returned to the core box. Sample bags secured with zip ties and composited into zipped rice bags. The samples were trucked to the Bureau Veritas preparation facility in Whitehorse where they were crushed and pulverized.

One hundred and four, fifty gram samples of pulverized rock were shipped to the Bureau Veritas laboratory in Vancouver where they were analyzed by 30 element ICP analysis. The analysis consisted of digestion of a 2 gram sample with aqua regia (two acid digestion). The resultant product was taken into

an EDTA solution and then analyzed by an ICP (Inductively Coupled Plasma) instrument which read the concentrations of 30 elements. This is the normal technique for copper analysis. The results were checked against several lab standards and blanks and recorded. Since this program was preliminary program, the Company did not provide any independent standards or blanks for QA and QC s.

The drilling started on September 24 and completed on October 21, 2019. Logging and sampling continued until October 26, when the program wrapped up.

A total of 972 metres was drilled over the program. A summary of the drilling is show in Table 2.

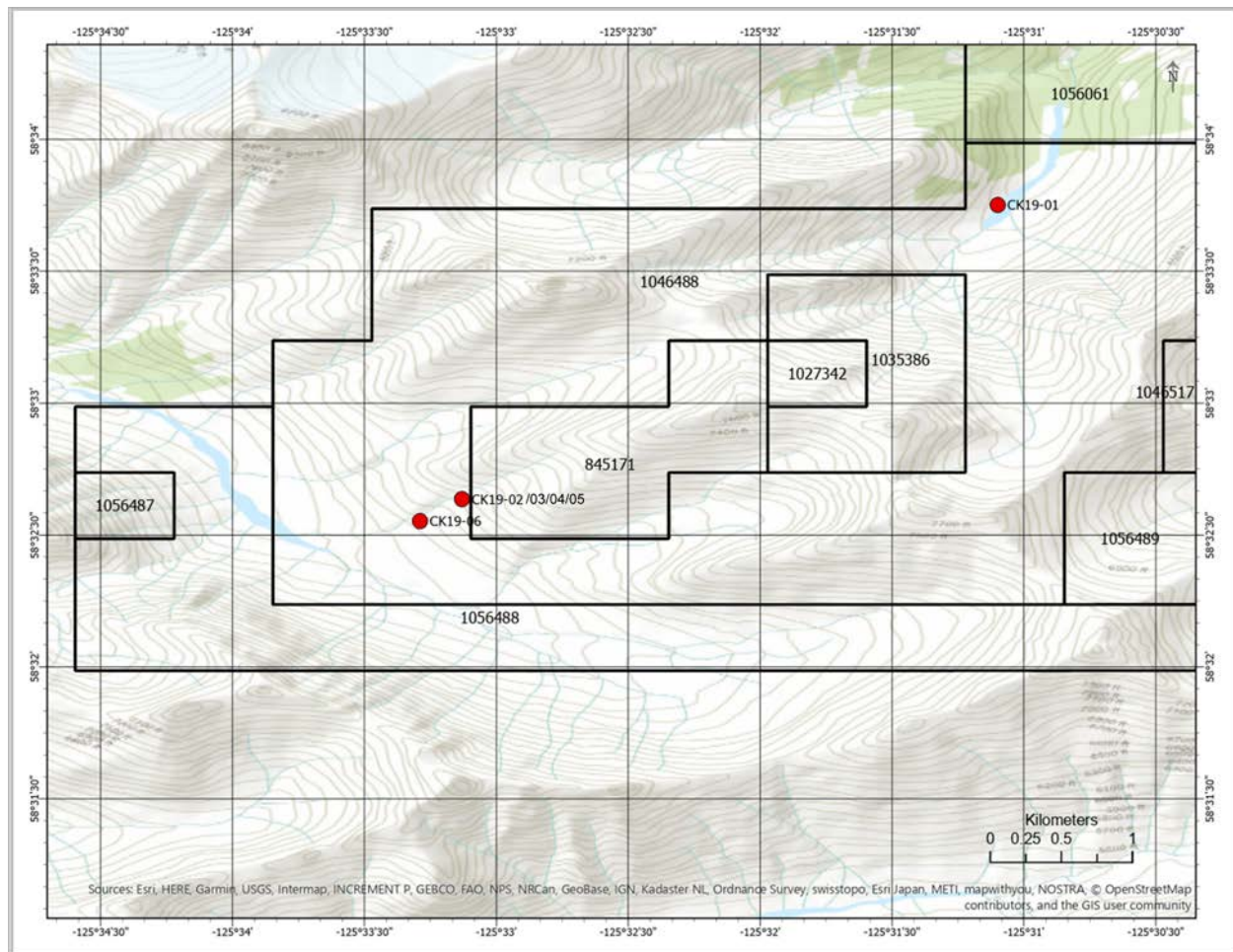
**Table 2 Drill Hole Statistics**

Hole #	Easting	Northing	Elevation	Azimuth	Inclination	Depth	
Ck19-01	353510	6494090	1500	300	-90	144	
Ck19-02	351463	6492097	1789	330	-50	291.8	
Ck19-03	351463	6492097	1789	330	-70	150.88	
Ck19-04	351463	6492097	1789	150	-50	109.75	mineralized Neil vein
Ck19-05	351463	6492097	1789	150	-70	126.09	mineralized Neil vein
Ck19-06	351303	6491948	1701	145	-50	150	mineralized Neil vein-
<b>TOTAL</b>						<b>972.52</b>	

The drill hole locations are shown on Figure 4.



Figure 4 Drill hole Locations



## 6.0 Results of the Drilling Program

### Drill hole CK19-01

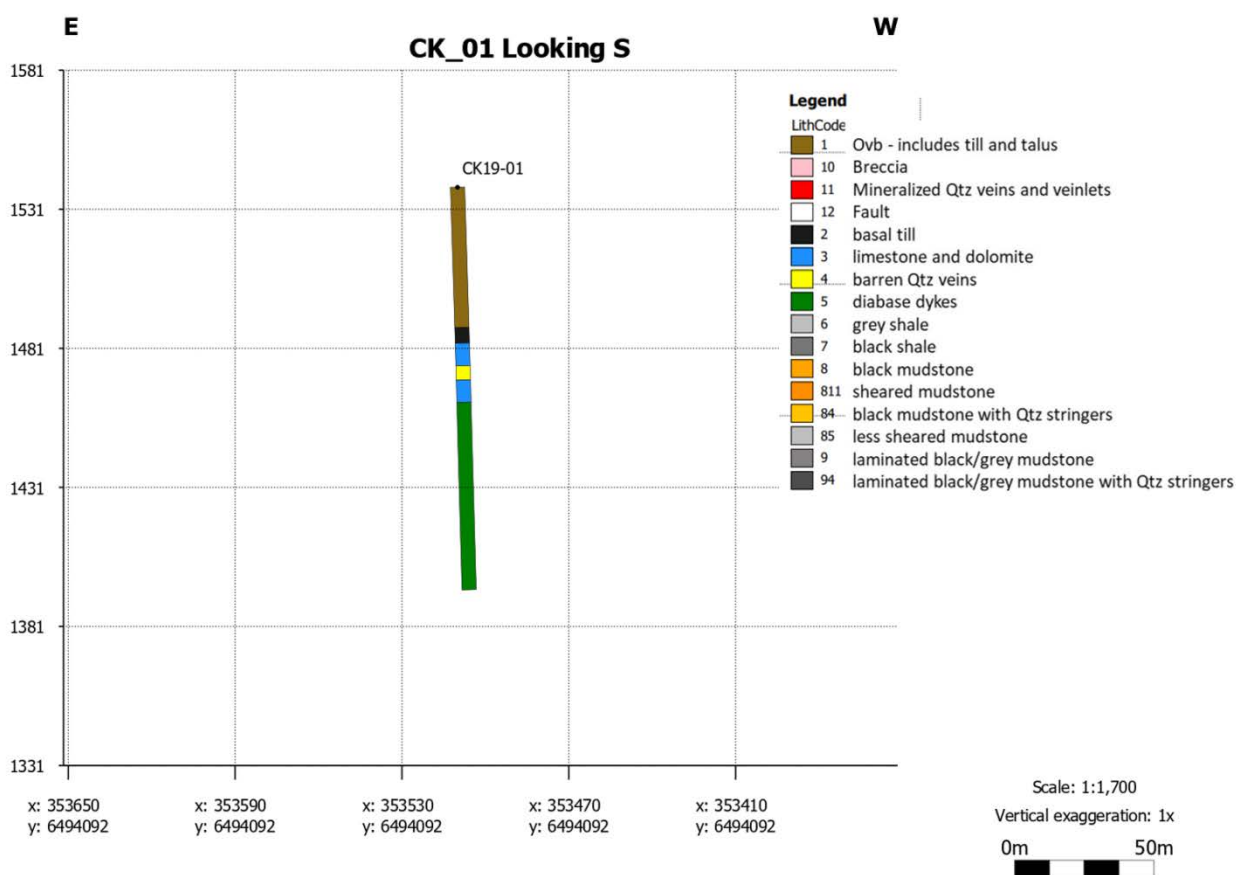
Hole CK19-01 was drilled in the valley to explain the cause of a large stratigraphic airborne EM resistivity anomaly along with discrete conductors. Surface geological mapping does not discuss graphitic mudstones however the drilling intersected a thick black mudstone unit, explaining the resistivity anomaly. A narrow black graphitic and calcareous basal till might be the cause of the conductor. None of the veining intersected in the hole carried significant amounts of copper mineralization. Table 3 shows the result of sampling of CK19-01. A graphic geological section of hole CK19-01 is shown on Figure 5.

Table 3 Sampling Results of Drill Hole CK19-01

Sample #	Hole_id	From (m)	To (m)	Width(m)	Cu	Geology
40601	CK19-01	49.7	50.5	0.8	0.005	black graphitic, calcareous clay
40602	CK19-01	51.82	52.82	1	0.003	black graphitic, calcareous clay

40603	CK19-01	52.82	53.82	1	0.003	black graphitic, calcareous clay
40604	CK19-01	53.82	54.5	0.68	0.002	black graphitic, calcareous clay
40605	CK19-01	64.7	65.65	0.95	<0.001	dolomite, quartz ankerite vein
40606	CK19-01	65.65	66.7	1.05	0.001	dolomite, quartz ankerite vein
40607	CK19-01	66.7	67.8	1.1	0.001	dolomite, quartz ankerite vein
40608	CK19-01	96.01	96.72	0.71	0.015	altered diabase dyke, Py
40609	CK19-01	118.87	120	1.13	0.022	altered diabase dyke, Py
40610	CK19-01	120	121	1	0.037	altered diabase dyke, Py
40611	CK19-01	121	122	1	0.015	altered diabase dyke, Py

**Figure 5 Geological Cross Section CK19-01**



**Drill Holes CK19-02 and CK19-03**

Drilling of holes CK19-02 and CK19-03 were drilled with the intent of intersecting the down dip extension of the Neil Vein. Photo geology completed in 2017 suggested that the vein should be to the northwest of the drill hole collars. CK19-02 did not hit a vein even though it was extended for 300 metres to make sure that the vein wasn't missed. CK19-03 was a shorter hole drilled underneath CK19-02 to test a nearby shear zone. Neither hole intersected the vein. Table 4 shows the sampling of these two holes. Figure 6 shows holes CK19-02 to CK19-06 as geological graphitic sections



**Table 4 Sampling Results of Drill Holes CK19-02 and CK19-03**

Sample #	Hole_id	From (m)	To (m)	Width(m)	Cu	Geology
40612	CK19-02	7.15	7.61	0.46	<0.001	black. mudstone qtz veining
40613	CK19-02	18.89	19.81	0.92	0.002	black. mudstone qtz veining
40614	CK19-02	20.9	22	1.1	<0.001	black. mudstone qtz veining
40615	CK19-02	71.03	72.4	1.37	<0.001	black. mudstone qtz veining
40616	CK19-03	0	3.05	3.05	0.001	fractured grey shale
40617	CK19-03	3.05	6.1	3.05	<0.001	quartz stockworks in mudstone
40618	CK19-03	6.1	7.62	1.52	0.002	quartz stockworks in mudstone
40619	CK19-03	7.62	9.14	1.52	0.007	quartz stockworks in mudstone
40620	CK19-03	9.14	10.67	1.53	0.002	shear bl ms with qtz-carb vns
40621	CK19-03	10.67	12.17	1.5	0.003	shear bl ms with qtz-carb vns
40622	CK19-03	12.19	13.72	1.53	<0.001	shear bl ms with qtz-carb vns
40623	CK19-03	19.81	20.31	0.5	<0.001	shear bl ms with qtz-carb vns
40624	CK19-03	21.24	21.88	0.64	0.002	shear bl ms with qtz-carb vns
40625	CK19-03	22.86	23.76	0.9	0.002	shear bl ms with qtz-carb vns
40626	CK19-03	23.76	24.38	0.62	<0.001	shear bl ms with qtz-carb vns
40627	CK19-03	24.38	25.38	1	0.001	shear bl ms with qtz-carb vns
40628	CK19-03	25.8	26.8	1	<0.001	shear bl ms with qtz-carb vns
40629	CK19-03	26.8	27.8	1	0.001	shear bl ms with qtz-carb vns
40630	CK19-03	27.8	28.8	1	0.002	shear bl ms with qtz-carb vns
40631	CK19-03	28.8	30	1.2	0.003	shear bl ms with qtz-carb vns
40632	CK19-03	118.87	119.8	0.93	<0.001	shear bl ms with qtz-carb vns
40633	CK19-03	119.8	120.8	1	0.002	shear bl ms with qtz-carb vns
40634	CK19-03	76.81	77.72	0.91	0.002	shear bl ms with qtz-carb vns
40635	CK19-03	77.72	79.25	1.53	0.002	shear bl ms with qtz-carb vns
40636	CK19-03	79.25	80.77	1.52	0.001	shear bl ms with qtz-carb vns
40637	CK19-03	80.77	81.77	1	0.002	shear bl ms with qtz-carb vns
40638	CK19-03	81.77	82.77	1	0.002	shear bl ms with qtz-carb vns
40639	CK19-03	82.77	83.82	1.05	0.001	shear bl ms with qtz-carb vns
40640	CK19-03	83.82	85	1.18	0.001	shear bl ms with qtz-carb vns

**Drill Holes CK19-04 and CK19-05**

Since the Neil Vein didn't track to the northwest of the drill pad, the drill was spun around 180 degrees and drilled CK19-04 and CK19-05. Both veins intersected a significant mineralized vein and mineralized quartz stockworks and breccias. Although some of the mineralization looked like chalcopyrite, most of the mineralization in these two holes was pyrite. Hole DK19-04 intersected the Neil Vein from 86.24

metres to 88.24 metres. Hole DK19-05 intersected the Neil Vein from 82.3 metres to 86.6 metres. This intersection includes a well mineralized section from 83.8 metres to 85.3 34 metres for 1.54 metres averaging 1.638 % copper. Again this hole did carry a lot of pyrite. The sampling results for these two holes are shown in Table 5.

**Table 5 Sampling Results of Drill Holes CK19-04 and CK19-05**

Sample #	Hole_id	From (m)	To (m)	Width(m)	Cu	Geology
40641	CK19-04	66.2	67.2	1	0.002	brecciated quartz vein
40642	CK19-04	65.29	66.2	0.91	0.002	sheeted quartz veins
40643	CK19-04	67.2	68.2	1	<0.001	brecciated shale with Py
40644	CK19-04	68.2	69.5	1.3	<0.001	brecciated shale with Py
40645	CK19-04	72.8	74.24	1.44	<0.001	lam. bl and gy mudstone
40646	CK19-04	74.24	75.24	1	<0.001	brecciated black mudstone
40647	CK19-04	75.24	76.24	1	<0.001	brecciated black mudstone
40648	CK19-04	76.24	77.24	1	<0.001	brecciated black mudstone
40649	CK19-04	77.24	78.24	1	<0.001	brecciated black mudstone
40650	CK19-04	78.24	79.24	1	<0.001	laminated bl and gy ms
40651	CK19-04	79.24	80.24	1	<0.001	brecciated black mudstone
40652	CK19-04	80.24	81.24	1	<0.001	sheared black mudstone
40653	CK19-04	81.24	82.24	1	0.003	sheared black mudstone
40654	CK19-04	82.24	83.24	1	<0.001	sheared black mudstone
40655	CK19-04	83.24	84.24	1	<0.001	sheared black mudstone
40656	CK19-04	84.24	85.24	1	<0.001	bl ms with qtz carb veins.
40657	CK19-04	85.24	86.24	1	<0.001	black mudstone
40658	CK19-04	86.24	87.24	1	0.001	qtz vn breccia with Py
40659	CK19-04	87.24	88.24	1	0.016	qtz vn breccia with Py &Cpy
40660	CK19-04	88.24	89.36	1.12	0.008	qtz vn breccia with Py &Cpy
40661	CK19-04	89.36	90.88	1.52	<0.001	bl ms with qtz veins and Py.
40662	CK19-04	90.88	92.68	1.8	<0.001	bl ms with qtz veins and Py.
40663	CK19-04	92.68	95.44	2.76	<0.001	bl ms with qtz veins and Py.
40664	CK19-04	95.44	96.03	0.59	<0.001	bl ms with qtz veins and Py.
40665	CK19-04	96.03	97.16	1.13	<0.001	bl ms with qtz veins and Py.
40666	CK19-04	97.56	99.09	1.53	0.001	bl ms with qtz veins and Py.
40667	CK19-05	38.1	38.7	0.6	<0.001	sheared bl ms, qtz vns in shear
40668	CK19-05	38.7	39.7	1	<0.001	sheared bl ms, qtz vns in shear
40669	CK19-05	39.7	40.7	1	<0.001	sheared bl ms, qtz vns in shear
40670	CK19-05	40.7	41.7	1	0.001	sheared bl ms, qtz vns in shear
40671	CK19-05	41.7	42.7	1	0.001	sheared bl ms, qtz vns in shear
40672	CK19-05	42.7	43.7	1	0.001	sheared bl ms, qtz vns in shear
40673	CK19-05	43.7	44.7	1	0.001	sheared bl ms, qtz vns in shear
40674	CK19-05	75.59	77.43	1.84	0.005	sheared bl ms, Py &Cpy stringers
40675	CK19-05	77.43	78.13	0.7	0.002	sheared bl ms, Py stringers
40676	CK19-05	78.13	79.55	1.42	0.002	sheared bl ms, fine grained Py
40677	CK19-05	79.55	80.77	1.22	0.023	sheared bl ms, fine grained CPY

40678	CK19-05	80.77	82.3	1.53	0.195	sheared bl ms, fine grained CPY
40679	CK19-05	82.3	82.7	0.4	0.29	Cpy mineralized in qtz vein
40680	CK19-05	82.7	83.8	1.1	0.018	Cpy mineralized in qtz vein
40681	CK19-05	83.8	85.34	1.54	1.638	Cpy mineralized in qtz vein
40682	CK19-05	85.34	86.63	1.29	0.008	qtz vn breccia with Cpy
40683	CK19-05	86.63	88.41	1.78	0.002	bl ms, minor Cpy in stgrs.
40684	CK19-05	88.41	89.92	1.51	0.002	bl ms, minor Cpy in stgrs.
40685	CK19-05	89.92	92.95	3.03	0.002	bl ms, minor Cpy in stgrs.
40686	CK19-05	92.95	93.3	0.35	0.176	qtz vn breccia with Cpy
40687	CK19-05	93.3	95.12	1.82	0.005	sheared bl ms, Py stringers
40688	CK19-05	95.12	95.47	0.35	0.06	bx qtz vn with Cpy
40689	CK19-05	95.47	96.95	1.48	0.002	sheared bl ms, py stringers
40690	CK19-05	96.95	97.8	0.85	0.003	qtz vn with Py
40691	CK19-05	97.8	100.3	2.5	0.003	sheared bl ms, tr Py
40692	CK19-05	103	103.66	0.66	0.003	qtz vein bx in bl ms
40693	CK19-05	105	105.78	0.78	0.022	qtz vein bx in bl ms
40694	CK19-05	109.4	110.15	0.75	0.002	qtz vn

### Drill Hole CK19-06

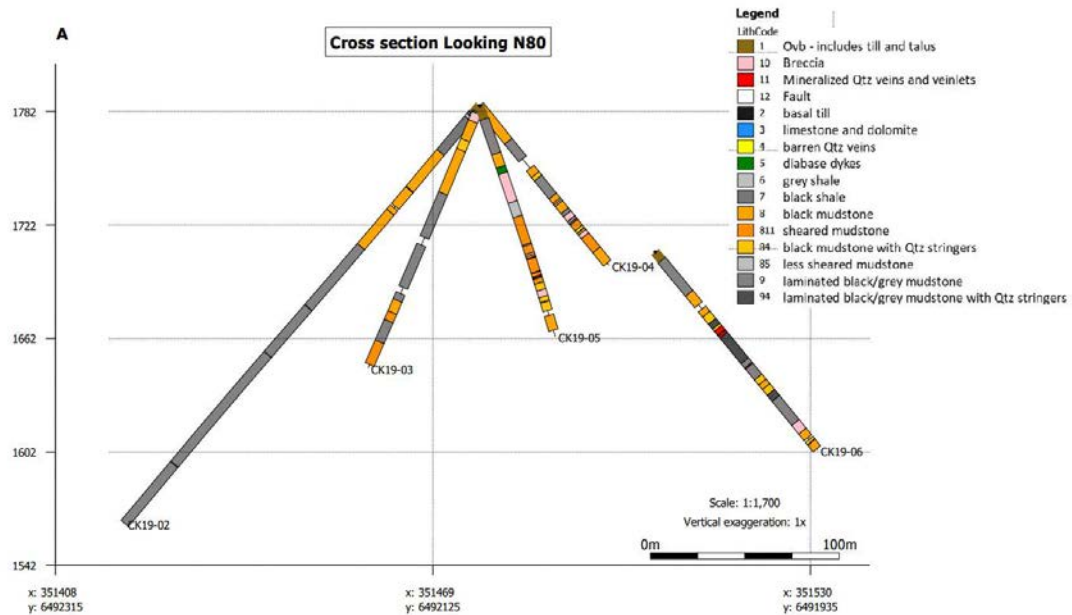
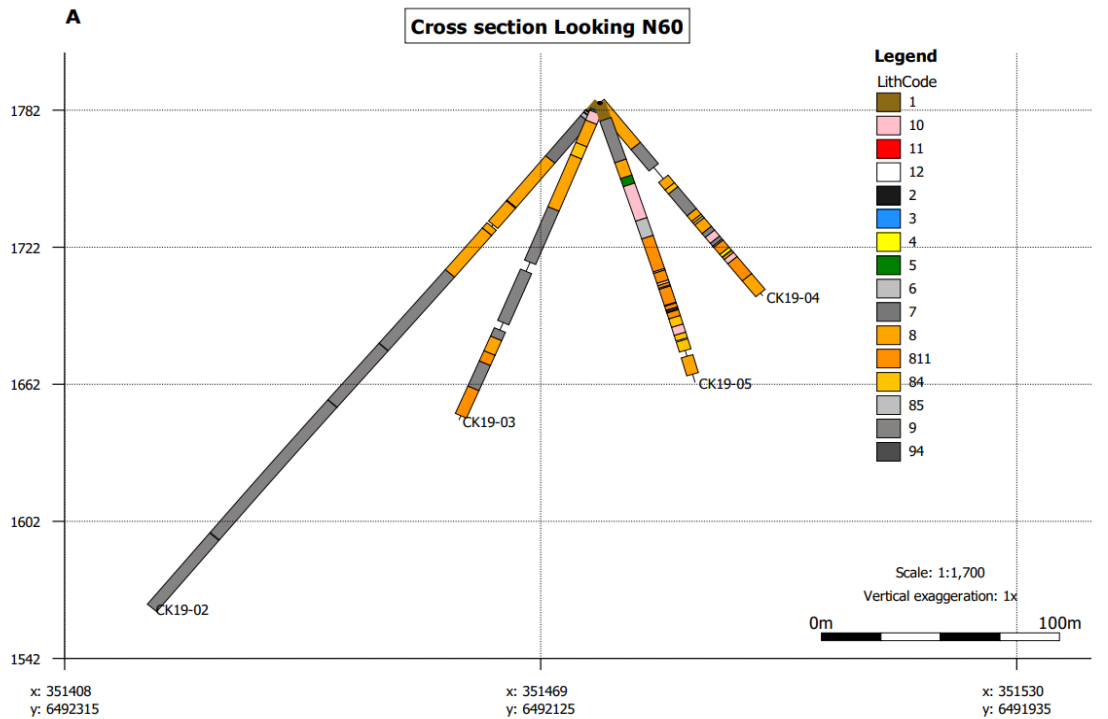
This hole was drilled at a new pad 88 metres down the slope from holes CK19-04 and CK19-05. It was drilled underneath the above two holes to test the presence and grade of the Neil Vein at depth. This hole intersected a significant quartz vein and quartz vein breccia from 121.0 metres to 123.44 metres. Unfortunately this intersection did not carry any sulphide mineralization. This vein is still the Neil Vein but is unmineralized. Table 6 shows the sampling results of this drill hole intersection

**Table 6 Sampling Results of Drill Holes CK19-06**

Sample #	Hole_id	From (m)	To (m)	Width(m)	Cu	Geology
40695	CK19-06	53.34	54.34	1	0.001	qtz stockworks, tr Py
40696	CK19-06	54.34	55.9	1.56	<0.001	qtz stockworks, tr Py
40697	CK19-06	56.75	58.15	1.4	<0.001	qtz stockworks, tr Py
40698	CK19-06	120	121	1	<0.001	bx bl ms with qtz stkwns
40699	CK19-06	121	121.92	0.92	<0.001	qtz stockworks, tr Py
40700	CK19-06	121.92	123.44	1.52	<0.001	qtz vein bx
40701	CK19-06	123.44	123.95	0.51	<0.001	brecciated bl ms
40702	CK19-06	123.95	124.98	1.03	<0.001	brecciated bl ms
40703	CK19-06	130	131.06	1.06	0.002	brecciated bl ms
40704	CK19-06	131.06	132.06	1	<0.001	brecciated bl ms

Geological cross sections showing the graphic result of drill holes CK19-02 to CK19-06 are shown on Figure 6.

Figure 6 Geological Cross Section for CK19-02, CK19-03, CK19-04, CK19-05, CK19-06



## 7.0 Conclusions and Recommendations

The drill program in 2019 was successful in extending the Neil Vein down dip 700 metres from 2400 metres elevation where the vein outcrops on the ridge down to 1700 metres where it is intersected in drill hole CK19-06. The chalcopyrite mineralization varies significantly as the vein loses elevation. The limited drilling suggests that the mineralization changes from chalcopyrite at elevation to pyrite at depth. This change may be caused by the change in host rock of the veining from carbonate on the top of the ridge to a black mudstone at depth which may have changed the chemistry of the vein. A significant amount of drilling is required to trace and or confirm the change in grade of mineralization.

The Key and Magnum veins should be drilled at depth as well to determine whether there is potential to significantly increase the resources of these deposits.

## 9.0 Statement of Expenditures

John Kowalchuk (Geologist) from August 25 to October 30, 2019	
4 days travel @\$600/day	2,400.00
56 days supervising drilling @ \$600/day	33,600.00
Field Assistants (native) Drill pad construction and geotech and splitting	
20 days @ \$400/day	8,000.00
Drilling (Kluane Invoices)	172,000.00
Helicopter 110 hours@ \$2,000/hour	220,000.00
Accommodations and Meals	30,000.00
Report 10 days @ 1,000/day	10,000.00
High Range (Invoice) Travel and building core logging and splitting station	
October 20-27 8 days @ \$600/day	4,800.00
Aurora Geosciences (Invoice) geotech, cutting and photographing core	
2 people 5 days@ \$1,600/day (includes travel)	8,000.00
Assays BV (Invoice)	3,000.00
Total expenses	\$491,800.00

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## 12.0 References

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## Certificate of Work

I, John Michael Kowalchuk, resident of Richmond, BC do hereby certify as follows:

- 1 I am a Professional Geologist, principal of JMK Geological Services, #16-7491 No 1 Road Richmond, British Columbia.
- 2 I graduated with a degree of Bachelor of Science, Honours Geology, from the McMaster University in Hamilton, Ontario in 1970.
- 3 I have practiced my profession for 50 years. I have been a member of the Association of Professional Engineers and Geoscientists of British Columbia since February 1, 1999.
- 4 I set up contracts and supervised the drill program on the Neil Property between the dates, August September 25, 2019 and October 28, 2019.

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5. This report, dated March 09, 2020 is based on preparation and supervision of the drill program performed on the Neil Property., Liard Mining Division, BC.

Dated at Richmond, Province of British Columbia

This 09<sup>th</sup> day of March, 2020

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John Kowalchuk, P. Geo

Geologist



Appendix 1

BV Analytical Laboratories, Analysis Sheets



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40625	Drill Core	2.47	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40626	Drill Core	1.92	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40627	Drill Core	3.32	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001
40628	Drill Core	2.48	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001
40629	Drill Core	1.95	<0.001	0.001	<0.01	<0.01	<2	0.002	0.001
40630	Drill Core	2.75	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40631	Drill Core	1.62	<0.001	0.003	<0.01	<0.01	<2	0.001	<0.001
40632	Drill Core	2.97	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40633	Drill Core	2.8	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40634	Drill Core	2.64	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40635	Drill Core	4.3	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001
40636	Drill Core	4.62	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001
40637	Drill Core	2.89	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001
40638	Drill Core	1.72	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40639	Drill Core	2.6	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001
40640	Drill Core	2.08	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001
40641	Drill Core	0.83	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40642	Drill Core	2.67	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001
40643	Drill Core	2.55	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001
40644	Drill Core	3.79	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40645	Drill Core	4.43	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.001
40646	Drill Core	2.52	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.001
40647	Drill Core	2.84	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40648	Drill Core	2.01	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.005
40649	Drill Core	2.5	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40650	Drill Core	2.24	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40651	Drill Core	1.98	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40652	Drill Core	2.15	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
40653	Drill Core	2.57	<0.001	0.003	<0.01	<0.01	<2	0.002	0.007
40654	Drill Core	2.54	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.005
40655	Drill Core	2.47	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.003
40656	Drill Core	3.47	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.002
40657	Drill Core	3.54	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.004
40658	Drill Core	2.41	<0.001	0.001	<0.01	<0.01	<2	0.002	0.002
40659	Drill Core	3.13	<0.001	0.016	<0.01	<0.01	<2	<0.001	0.002
40660	Drill Core	3.25	<0.001	0.008	<0.01	<0.01	<2	0.006	0.011
40661	Drill Core	4.13	<0.001	<0.001	<0.01	<0.01	<2	0.003	0.002
40662	Drill Core	3.99	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.002
40663	Drill Core	3.94	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001
40664	Drill Core	3.97	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001
40665	Drill Core	3.89	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001
40666	Drill Core	3.6	<0.001	0.001	<0.01	<0.01	<2	0.002	0.001
40667	Drill Core	1.85	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001

40668	Drill Core	2.44	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	
40669	Drill Core	3.19	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40670	Drill Core	1.57	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	
40671	Drill Core	3.45	<0.001	0.001	<0.01	<0.01	<2	0.003	0.001	
40672	Drill Core	3.25	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	
40673	Drill Core	1.86	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	
40674	Drill Core	4.49	<0.001	0.005	<0.01	<0.01	<2	0.002	0.001	
40675	Drill Core	1.85	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	
40676	Drill Core	3.07	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40677	Drill Core	3.25	<0.001	0.023	<0.01	<0.01	<2	0.001	0.001	
40678	Drill Core	4.04	<0.001	0.195	<0.01	<0.01	<2	0.002	0.001	
40679	Drill Core	1.02	<0.001	0.29	<0.01	<0.01	<2	0.001	<0.001	
40680	Drill Core	2.8	<0.001	0.018	<0.01	<0.01	<2	0.002	0.001	
40681	Drill Core	4.54	<0.001	1.638	<0.01	<0.01	<2	<0.001	<0.001	
40682	Drill Core	2.42	<0.001	0.008	<0.01	<0.01	<2	0.001	0.001	
40683	Drill Core	4.44	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	
40684	Drill Core	4.12	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	
Pulp Duplicates										
40605	Drill Core	2.54	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40605	REP		<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	
40638	Drill Core	1.72	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40638	REP		<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40670	Drill Core	1.57	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	
40670	REP		<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	
40681	Drill Core	4.54	<0.001	1.638	<0.01	<0.01	<2	<0.001	<0.001	
40681	REP									
Preparation Duplicates										
40624	Drill Core	3.86	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40624	DUP		<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40658	Drill Core	2.41	<0.001	0.001	<0.01	<0.01	<2	0.002	0.002	
40658	DUP		<0.001	0.001	<0.01	<0.01	<2	0.002	0.002	
Reference Materials										
STD CDN-ME-9A	STD		<0.001	0.663	<0.01	<0.01	5	0.928	0.016	
STD CDN-ME-14A	STD		<0.001	1.248	0.48	3.01	44	0.002	0.017	
STD CDN-ME-9A	STD		<0.001	0.661	<0.01	<0.01	3	0.992	0.016	
STD CDN-ME-14A	STD		0.001	1.238	0.48	2.94	43	0.002	0.017	
STD CDN-ME-9A	STD		<0.001	0.658	<0.01	0.01	4	0.989	0.017	
STD CDN-ME-14A	STD		0.002	1.248	0.49	3.03	43	0.002	0.017	
STD CCU-1E	STD									
STD CCU-1E	STD									
BLK	BLK		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.001
BLK	BLK		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.001
BLK	BLK		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.001

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Prep Wash

ROCK-WHI	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
ROCK-WHI	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001

Bureau Veritas Commodities Canada Ltd. Final Report  
 Fabled Copper and Gold  
 Client: Corp.  
 File Created: 7-Nov-19  
 Job Number: WHI19000713  
 Number of Samples: 20  
 Project: Church Key  
 Shipment ID:  
 P.O. Number:  
 Received: 23-Oct-19

Sample	Method Analyte Unit MDL Type	WGHT Wgt KG	AQ370 Mo %	AQ370 Cu %	AQ370 Pb %	AQ370 Zn %	AQ370 Ag PPM	AQ370 Ni %	AQ370 Co %	AQ370 Mn %
		0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	
40685	Drill Core	4.46	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	
40686	Drill Core	1	<0.001	0.176	<0.01	<0.01	<2	<0.001	<0.001	
40687	Drill Core	4.9	<0.001	0.005	<0.01	<0.01	<2	0.001	0.001	
40688	Drill Core	1.13	<0.001	0.06	<0.01	<0.01	<2	<0.001	<0.001	
40689	Drill Core	2.88	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	
40690	Drill Core	2.33	<0.001	0.003	<0.01	<0.01	<2	0.004	0.002	
40691	Drill Core	2.39	<0.001	0.003	<0.01	<0.01	<2	0.002	0.001	
40692	Drill Core	4.4	<0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	
40693	Drill Core	2.26	<0.001	0.022	<0.01	<0.01	<2	<0.001	<0.001	
40694	Drill Core	2.03	<0.001	0.002	<0.01	0.07	<2	<0.001	<0.001	
40695	Drill Core	2.83	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	
40696	Drill Core	3.8	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40697	Drill Core	3.75	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40698	Drill Core	2.77	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40699	Drill Core	2.59	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40700	Drill Core	4.55	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40701	Drill Core	1.44	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40702	Drill Core	3.19	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40703	Drill Core	1.63	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	
40704	Drill Core	3.4	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
Pulp Duplicates										
40698	Drill Core	2.77	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
40698	REP		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	
Preparation Duplicates										

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40695	Drill Core	2.83	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001
40695	DUP		<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001
Reference Materials									
STD CDN-ME-9A	STD		<0.001	0.662	<0.01	0.01	3	0.864	0.018
STD CDN-ME-14A	STD		0.002	1.232	0.52	3.08	43	0.002	0.018
BLK	BLK		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
Prep Wash									
ROCK-WHI	Prep Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001
ROCK-WHI	Prep Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001



APPENDIX 2 Drill Logs

**Quick Log CK19-01**

<b>Category</b>	<b>Value</b>
Drill Hole Number	CK19-01
Logged By	j kowalchuk
Date Started	9/26/2019
Date Finished	9/30/2019
Property Name	Church Key
Location	Ram
UTM Zone	10
Northing (GPS)	6494090
Easting (GPS)	353510
Elevation (GPS)	1500
Drilling Company	Kluane Drilling
Approx Depth of Overburden (m)	0.15m
Approx Depth of Weathering (m)	54m
Casing Depth (m)	14m
Final Depth (m)	144.78
Collar Azimuth	120
Collar Inclination	-90
Core Size	NQTW

<b>Depth</b>	<b>Azimuth</b>	<b>Inclination</b>
40 m	304.23	-87.85
90 m	312.07	88.1
140 m	300.95	87.91

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0.00 m - 50.49m	Glacial Moraine
50.49 m - 56.0 m	Basal Till - Black graphitic, calcareous clay. Contains 50% limestone fragments
56.1 m – 61.8 m	grey limestone and dolomite, silicified in sections, 1st and dolomite fragmented and cemented with silica. Contact with clay unit 90° to Core axis samples taken
61.8 m – 64.2 m	grey dolomite with quartz ankerite veins 15° to Core axis
64.2 m – 69.36 m	quartz ankerite vein, samples taken
69.36 m – 77.36 m	dolomite with calcite filled fractures
77.36 m – 144.78	diabase dyke with calcite and epidote filled fractures, extensive chlorite alteration,  96.26-96.56 – sericite altered diabase dyke, recrystallized with epidote and chlorite trace pyrite and chalcopyrite  104.28-104.6 – sericite and chlorite altered dyke, recrystallized  141-143 quartz carbonate veining subparallel to CA. Veins only 1-5 cm wide. No apparent increase in sulphide mineralization. Diabase is bleached and flooded with carbonate alteration.
144.78	EOH

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<b>Category</b>	<b>Value</b>
<b>Drill Hole Number</b>	<b>CK19-02</b>
Logged By	J Kowalchuk
Date Started	9/30/2019,
Date Finished	10/6/2019
Property Name	Church Key
Location	Neil Vein
UTM Zone	10
Northing (GPS)	6492097
Easting (GPS)	351463
Elevation (GPS)	1789
Drilling Company	Kluane Drilling
Approx Depth of Overburden (m)	0.15m
Approx Depth of Weathering (m)	54m
Casing Depth (m)	14m
Final Depth (m)	291.08
Collar Azimuth	330
Collar Inclination	-50
Core Size	NQTW

**Down Hole Survey**

<b>Depth</b>	<b>Azimuth</b>	<b>Dip</b>
51	331.62	49.58
101	334.38	48.96
151	335.48	48.77
181	337.82	49.06
211	339.5	49.53

241	343.93	50.00
291	347.03	49.87

0-5.8 talus, breccia fragments, qtz fragments

5.8- 6.1 grey shale, slaty cleavage, cleavage 30° to CA

6.1- 6.25 qtz carb vein broken

6.25- 7.22 grey shale

7.22- 7.5 qtz carb veining 10 degrees to CA no apparent mineralization

7.5 - 9.4 all in black shales

@ 9.4 10cm qtz carb vein, shale cleavage 40° to core axis

Black shale continues on to 25.48 with qtz veins at: 13.62-13.75, 13.22, 13.30, 14.45-14.52

18.81-19.05, 19.41-19.61, 20.9-22.0 Angle of qtz veins 40 ° to core axis

@22.1 black shale becomes sheared, cleavage 24° to core axis

@ 25 cleavage 40° to core axis

25.91-49.75 black shale, strong cleavage @ 65° to core axis

29.24- 32.5 black shale massive, graphitic massive @ 32.5-34.1 strong cleavage at 40° to core axis

34.0- 34.4 qtz stringers parallel to cleavage @ 40° to core axis

39.1 – 50 massive black mud stone

49.74- 58.0 black mud stone, foliation at 40° to core axis

58.0- 58.4 qtz stringers, foliation at 40° to core axis

58.4- 62.4 massive black mudstone

62.4-62.5 qtz stringers along foliation at 40° to core axis

62.5-67.9 massive black mudstone

67.9-70.0 sheared black mudstone at 30° to CA

71.0-72.5 black mudstone with 3- 20 cm quartz carbonate veining . No apparent mineralization.

72.5- 74.0 massive black mudstone foliation 40° to CA

74.08-98.15 black mud stone, massive, foliation,40° to core axis

98.15-110.84 interlaminated black & light grey mudstone fractured at 60° to CA, occasional narrow qtz veinlets along fractures generally less than 1cm

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@ 106.7      3cm qtz vein along fracture 50° to CA

110.84-123.44    interbedded black and light grey Mudstone, fractures at 60° to CA

123.44-131.85    interbedded black and grey mudstone, bedding at 40° to CA

131.85-132.7    several quartz veinlets at 50° to CA

132.7-140.8      thinly bedded black and grey mudstone

141-145.0        black & grey Mudstone, fractures parallel to foliation, containing quartz veinlets up to 1cm wide along fractures 40° to CA

145.4-150        interbedded black and grey mudstone

149.95-173.7    interbedded black and grey mudstone, grey mudstone has occasional CPy and pyrite within quartz bands, very occasional blebs of CPy

173.84-185.86   interbedded dark & light grey Mudstone, cleavage & lamination parallel, lamination 50° to CA

185.86-198.32   dark & light grey mudstone, bedding 50° to CA, occasional CPy bands along cleavage planes, occasional blebs associated with QTZ stringers

@ 187      20cm Quartz filled shears

@ 189.75    10cm Quartz filled shears

@ 192.5    20cm Quartz filled shears

@ 197.2    30cm Quartz filled shears

All above are at 45° to 50° to CA

198.32-211.36 interbedded black and grey mudstone

@ 198.95 5cm of PY & CPY wisps parallel to banding

211.36-224 dark & light grey banded mudstone, bedding 50° to CA

224-250    interbedded grey and black mudstone, bedding at 50° to CA

@ 234.4    20 cm quartz filled shear zone at 45° to CA

@ 236.3    30 cm of sheared quartz veinlets at 45° to CA

250.4-275.8   black & grey mudstone bedding angle 60° to CA

275.8-291.08   same as above

291.08m    EOH

<b>Category</b>	<b>Value</b>	<b>Format</b>
<b>Drill Hole Number</b>	<b>CK19-03</b>	
Logged By	J Kowalchuk	
Date Started	10/7/2019	
Date Finished	10/9/2019	
Property Name	Church Key	
Location	Neil	
UTM Zone	10	
Northing (GPS)	6492097	
Easting (GPS)	351463	
Elevation (GPS)	1789	
Drilling Company	Kluane Drilling	
Approx Depth of Overburden (m)	1	
Approx Depth of Weathering (m)	1	
Casing Depth (m)	14m	
Final Depth (m)	150.88	
Collar Azimuth	330	
Collar Inclination	-70	
Core Size	NQTW	

**Drill Hole Survey**

<b>Depth</b>	<b>Azimuth</b>	<b>Inclination</b>
50	337.8	-67.31
100	341.44	66.71
150	345.37	66.15

---

0-2m	talus qtz vein float
2-3.5	talus shale
3.5-3.8	fractured shale cemented by quartz, no sulphides in quartz veins
3.8-4.44	fractured shale
4.4-9.14	quartz stockworks, fine grained quartz veins, quartz stockworks in black shale
	7.5-8.0 sand stone 50° to CA
9.14-13.3	black mudstone sheared at 10° to CA. Quartz-carbonite veins with no sulphides. Veins run parallel to shearing, quartz veins are up to 20cm thick
13.3-19.8	black mudstone massive
19.8-25.6	sheared black mudstone shear direction 30° to CA with quartz veins up to 20cm wide parallel to shearing
25.56-30	black mudstone cleavage angle approx. 50° to CA quartz-carbonate stringers up to 30cm thick, massive black mudstone, foliation 45° degrees to CA, minor cleavage parallel to foliation
30-50.3	black mudstone, massive
50.3-56.35	black mudstone – very well laminated with dark and light rocks laminations 40° to CA
56.35-75.60	10 cm quartz carbonate vein oriented parallel to laminations
79.94-123.75	black mudstone with silty laminations at 60° to CA. core breaks along lamination layers. Narrow quartz stringers 1m to 4 cm parallel along foliation planes.
97.94-104.34	black mudstone finely laminated, cleavage subparallel to laminations 4 cm quartz carbonate vein, no sulphides minor fracturing 60° to 30° to CA
107.87-111.90	black mudstone with sandy laminations at 80° to CA @ 109 – three 1cm quartz carbonate veins parallel to cleavage at 70° to CA @111.9 contorted narrow quartz carbonate stringers
111.9-118.87	several quartz carbonate veinlets in sheared mudstone – two samples taken 40% quartz veining to 122 m – black mudstone with quartz Cpy veins as blebs
118-87-122.4	Set of quartz-carbonate veins parallel to lamination @t 30° to CA
122.4	narrow <1 cm CPy vein, also blebs of quartz with CPy envelopes
123.75-135.75	Black mudstone – laminations 60° to CA



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135.75-148.82 Black mudstone, interlaminated light grey silty layers at 60° to CA

@136.8 – 1 mm Cpy vein in silty layer

@141.1 and 142.2 – fine grained Cpy in silty layers

Petrographic samples taken 141.2-142m, 148.82-150.88m, interlaminated mudstone

148.82 EOH

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<b>Category</b>	<b>Value</b>	<b>Format</b>
<b>Drill Hole Number</b>	<b>CK19-04</b>	
Logged By	J Kowalchuk	
Date Started	10/10/2019	
Date Finished	10/11/2019	
Property Name	Church Key	
Location	Neil	
UTM Zone	10	
Northing (GPS)	6492097	
Easting (GPS)	351463	
Elevation (GPS)	1789	
Drilling Company	Kluane Drilling	
Approx Depth of Overburden (m)	1	
Approx Depth of Weathering (m)	1	
Casing Depth (m)	2.0 m	
Final Depth (m)	100.58	
Collar Azimuth	150	
Collar Inclination	-50	
Core Size	NQTW	

**Down Hole Survey**

<b>Depth</b>	<b>Azimuth</b>	<b>Inclination</b>
20	151.52	50.6
50	152.06	50.51
100	151.81	50.27

---

0-24.40	sheared black shale, cleavage at 30° to CA, quartz carbonate stringers along cleavage, very strong slaty cleavage, rocks weathered to 10.3m, cleavage stays at 30° to CA
24.4-36.5	interbedded black and grey mudstone, cleavage at 10° to CA, bedding at 35° to CA strong shaley cleavage at 35° to CA,  @ 35.25 metres, cleavage at 20° to CA , below 33m mudstone becomes massive
43.0-46.5	Black mudstone, strong shearing sub parallel to CA
46.5-47.3	black mudstone,
47.3-49.6	shear filled qtz stringers non mineralized
49.6-62.0	black mudstone interbedded with grey ms bedding 60° to CA  @51.3m, fractured at 0° to CA
62.0-65.15	black mudstone massive
65.15-66.2	quartz stringers at 30° to CA sheeted veinlets
66.2-67.2	brecciated quartz vein
67.2-69.5	Brecciated black mudstone, traces of CPy in fractures
69.5-72.10	Black mudstone
72.0-74.24	Laminated black and grey mudstone
74.24-77.6	Brecciated, Black Mudstone, interesting floral shaped carbonates in matrix, Breccia in grey Silt stone, Laminations at 30° to CA
77.6-79.24	Well Laminated black and grey mudstones
79.24-79.9	brecciated black mudstone with quartz stringers and silica around breccia fragments
79.9-84	Sheared Black mudstone with quartz veining filling shears minor calcite bordering shears
84-85.4	quartz veins containing significant quartz calcite veins at 20° to CA
85.7-86.9	Black Mudstone, foliated at 40° to CA, strong cleavage, very fine quartz stringers throughout
86.9-89.3	quartz vein breccia in black shale containing large patches of CPy. Quartz vein breccia in places.
89.3-91.9	Black mudstone containing a narrow quartz vein parallel to CA massive CPY within quartz stringers, qtz stringers up to 2cm across

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91.9-99.0	Black mudstone with a quartz vein 30° to CA. Massive CPy within quartz vein. Quartz vein in shears at 10° to CA. Fine grained CPY in patches qtz veins 1-2 cm wide strongly sheared
99.0-108.0	black mudstone
108.0-109.75	interlaminated black and grey mudstone
109.75m	EOH

<b>Category</b>	<b>Value</b>
Drill Hole Number	CK19-05
Logged By	J Kowalchuk
Date Started	10/11/2019
Date Finished	10/12/2019
Property Name	Church Key
Location	Neil
UTM Zone	10N
Northing (GPS)	6492097
Easting (GPS)	351463
Elevation (GPS)	1789
Drilling Company	Kluane Drilling      Kluane Drilling
Approx Depth of Overburden (m)	1
Approx Depth of Weathering (m)	1
Casing Depth (m)	2.0 m
Final Depth (m)	126.49
Collar Azimuth	150
Collar Inclination	70
Core Size	NQTW

<b>Drill Hole Survey</b>		
<b>Depth</b>	<b>Azimuth</b>	<b>Inclination</b>
20	155.73	70.72
80	152.64	71.63
126.9	148.12	73.22

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0-7.62	Talus
7.62-13.04	Interbedded grey and black shale very strong cleavage at 30° to CA
13.04-15.30	strongly sheared grey and black shale shear angle 20° to CA
15.3-26.9	Interbedded grey and black shale to 25 metres  Massive black mudstone, less sheared, with quartz stringers along shear fractures, unmineralized, cleavage 30° to CA  A pale grey argillite appears to be interlayered with black mudstone bleached grey argillite is actually an altered and bleached diabase dyke
26.9-30.48	black mudstone with strong cleavage ranging from 0° to 30° to CA quartz stringers along cleavage planes, shearing gets stronger.
30.48-34.28	strongly sheared black mudstone at 30° to CA. fine quartz stringers within shear planes.
34.28-38.0	@ 34.29 upper contact with altered diabase dyke about 10° to CA. Main rock type, sheared mudstone  @35.53 altered diabase dyke lower contact with mudstone is 50° to CA. Mudstone contains quartz stringers along fracture planes at 30° to CA. Very fine grained CPy- Py in some of the quartz stringers. Quartz stringers follow the direction of shear direction 30° to CA.  @35.04 trace amounts of Cpy along quartz filled shears. Sample taken
38.0-45.95	black mudstone starts at 38.1, lower contact of altered diabase dyke, strongly sheared to 38.8  38.8-40.4 brecciated black mudstone containing CPy around breccia fragments  40.4-41.0 sheared black mudstone with quartz stringers along shears  41.4-45.95 brecciated black mudstone, mudstone is sheared as well as brecciated shear angle is 40°-60° to CA. Core goes from breccia to shears to breccia. Shears contain 30% quartz and CPy.
45.95-49.89	sheared and brecciated black mudstone. Shearing at 0° to 20° to CA Breccia fragments cemented by quartz and a black mineral with very fine grained CPy in cement.
49.89-53.98	Brecciated black mudstone, contains several quartz fragments, sheared at 30°-45° to CA. quartz forms a stockworks
52.0-53.54	bleached diabase dyke 60° CA opposite to shear direction. Breccia goes through to 53.7m

- 
- 53.98-57.91 slightly sheared black mudstone, diabase dyke goes from 54.3-54.7 and 55.3-55.8 and 56.5-57.7 at 30° to CA
- 57.91-62.18 Black mudstone  
@60.45 and 60.6 narrow unaltered diabase dykes  
58.6-59.40 brecciated dyke in contact with black mudstone no sulphides  
59.45-59.95 Quartz veining barren
- 62.18-67.10 sheared black mudstone, shearing at 10° to CA  
Barren 10 cm quartz veins at 65.0, 65.24 and 65.84 m
- 67.10-70.20 sheared black mudstone, shearing at 30° to CA  
Quartz stringers within shear zones containing trace of CPy  
Unmineralized 10 cm quartz vein at 70° to CA
- 70.20-74.8 sheared black mudstone, shearing 30° to CA changing to 60° to CA  
Quartz stringers parallel to shearing containing traces of CPy
- 74.8-75.9 sheared black mudstone, quartz stringers and shears
- 75.9-77.43 sheared black mudstone, quartz veinlets and shears, very fine grained CPY, shearing 40 degrees to CA, CPY stringers 20 degrees to CA
- 77.43-78.13 Brecciated quartz vein containing large blebs of CPY, black matrix between quartz fragments. Lower contact 40° to CA
- 78.13-82.7 sheared black mudstone, shearing 30° to CA, fine grained CPY in shear zones A few 10 cm quartz veins along shear direction with minor CPY along boundaries.
- 82.7-83.8 well mineralized brecciated quartz vein  
Two phases of CPY mineralization, 1<sup>st</sup> phase-fine grained, 2<sup>nd</sup> phase – coarse grained  
Upper contact 40° to CA, lower contact 30° to CA
- 83.8-84.04 minor fine grained CPY in black mudstone.  
@ 84.07 - 7cm mineralized quartz vein.
- 84.04-85.0 black mudstone, occasional quartz stringers, fine grained CPY along foliation planes
- 85.0-85.5 quartz vein breccia, minor CPY
- 85.5-92.95 black mudstone, sheared at 30° to CA, quartz stringers within shear planes, shearing 30 - 10° down the hole, minor CPY along quartz stringers

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92.95 -93.30	quartz vein breccia containing 0.5% CPY in blebs, top contact at 40° to CA
93.30-95.12	sheared black mudstone, quartz stringers in shears, minor CPY in quartz stringers
95.12-95.42	Brecciated quartz vein, small amounts of CPY along edge
95.42-96.05	sheared black mudstone, shearing at 20° to CA, fine grained CPY along shears
96.05-96.4	quartz vein containing CPY, upper contact at 30° to CA
96.4- 99.1	black mudstone, sheared at 40° to CA with broken quartz vein material, CPY along shear zones and alongside of quartz veins
99.1-103.	sheared black mudstone, fine quartz stringers above shears, shear direction to 40° to CA
103.0-106.71	@ 103.2-103.66 brecciated quartz vein, no apparent mineralization. @ 103.66-105.0 sheared black mudstone- shear axis 5° to CA. @ 105.0-105.85 brecciated quartz vein-10° to CA no apparent mineralization. @105.85-106.71 black sheared mudstone, shearing at 10° to CA
106.71-109.23	Black mudstone, shearing from 20° at top to 45° at bottom of interval @ 109.23 - 10cm quartz veins containing hard pink mineral
109.75	quartz vein - 40cm containing hard pink mineral
109.75-111.5	black mudstone shearing 45° to CA
111.5-114.33	narrow 5cm quartz veinlets parallel to cleavage, 30° to CA @ 112.80-117m
117-125.22	black mudstone mostly massive but sheared in places at 30° to CA
125.22-132.62	massive black mudstone
132.62 m	EOH



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<b>Category</b>	<b>Value</b>	<b>Format</b>
Drill Hole Number	CK19-06	
Logged By	J Kowalchuk	
Date Started	10/14/2019	
Date Finished	10/17/2019	
Property Name	Church Key	
Location	Neil	
UTM Zone	10N	
Northing (GPS)	6491948	
Easting (GPS)	351303	
Elevation (GPS)	1701	
Drilling Company	Kluane Drilling	
Approx Depth of Overburden (m)	1	
Approx Depth of Weathering (m)	1	
Casing Depth (m)	2.0 m	
Final Depth (m)	137.15	
Collar Azimuth	145	
Collar Inclination	-50	
Core Size	NQTW	

<b>Depth</b>	<b>Azimuth</b>	<b>Declinaton</b>
99.06	146.14	49.33
114.3	146.21	49.95
129.54	146.5	49.76

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0-5.79	talus
5.79-9.56	interlaminated black and grey silt stone lamination at 30° to CA
9.56-13.25	interlaminated shale and silt stone, lamination 30° to CA
13.25-17.17	interlaminated shale and silt stone, @ 15.63 and at 16.4, 10cm of strongly sheared rock containing qtz veinlets within shears, shearing at 20° to CA
17.17-28.95	interlaminated black mudstone and grey silt stone, lamination at 40° to CA
28.96-32.9	massive black mudstone
32.9-36.82	black mudstone @ 36.38-36.58, 30% quartz veining and shearing 40° to CA
39.0	5cm wide quartz stringer shear zone, shear changes angle from 50° to 0° to CA (parallel to core axis)
39.82-43.4	massive black mudstone, occasional narrow, silty layers @ 39.82 -40.0 - continuation of shearing similar to above
43.4-47.0	massive interlayered mudstone and siltstone
47.0-48.4	intense quartz stringers in cleavage planes, cleavage is 45° to CA, narrow 2mm quartz stringers occurring every 2cm
48.4-51.82	inter layered black shale with siltstone, occasional fine grained veinlets & factures
51.82-53.34	shear black mudstone, fine quartz veinlets along shearing angle of 30° to CA
53.34-56.1	quartz stockworks, trace CPY in stock work zone, up to 30% of rock is quartz veinlets
56.1-56.75	black mudstone
56.75-58.15	quartz stockworks
58.15-75.9	black mudstone interlaminated with siltstone, @ 79.6 - increase of quartz stringers within foliation @ 59.44 foliation is 40° to CA, @ 67.06- 40° to CA, @ 71.85- 50° to CA
75.9-79.06	interlaminated black mudstone & grey siltstone
79.6-79.7	quartz vein - lamination parallel to cleavage at 45° to CA

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79.06-83.51	interlaminated black mudstone & grey siltstone cleavage 50° to CA
83.51-87.35	interlaminated black mudstone & greysilt stone @85.55-87.35, strongly sheared, angle to core axis changes from 45° to 0°
87.35-90.83	massive black mudstone, sheared in places with quartz veinlets in shears, 10 cm quartz vein @ 89.7m, 10 cm quartz vein @ 90.22m
90.83-94.06	massive black mudstone minor shearing
94.06-98.04	massive black mudstone @ 96.62- quartz stringers parallel to shearing, sheared at 30° to CA, @97.04 to 97.54- quartz stringers
98.04-102.2	laminated MS & silt stone 98.6-100: qtz stringers & qtz stock works along cleavage planes, cleavage 40° to CA
102.2-109.4	interlaminated black mudstone & grey silt stone
109.4-119	same as above
119-121.4	Brecciated black mudstone cemented by quartz stringers and quartz stock works
121.4-121.92	quartz stockworks - no sulfides observed
121.92-123.44	quartz vein breccia containing mudstone fragments, no sulfides observed
123.44-124.97	Brecciated mudstone with quartz stringers connecting fragments, no apparent sulfides
124.97-129.54	black mudstone, strongly sheared, shear foliation varies from 40° to 20° to CA , @ 129.54 shearing gets very intense and forms fault gouge at 130.4
130.7-132.39	Brecciated mudstone cemented with quartz veinlets
132.39-132.59	fault zone
132.59-137.16	strongly sheared black mudstone, shearing at 10° to CA, also at 0° to CA
137.16m	EOH



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

**Client:** **Fabled Copper and Gold Corp.**  
2300 - 1066 West Hastings St.  
Vancouver British Columbia V6E 3X1 Canada

Submitted By: John Kowalchuk  
Receiving Lab: Canada-Whitehorse  
Received: October 21, 2019  
Analysis Start: November 07, 2019  
Report Date: January 14, 2020  
Page: 1 of 4

# CERTIFICATE OF ANALYSIS

WHI19000695.1

## CLIENT JOB INFORMATION

Project: Church Key  
Shipment ID:  
P.O. Number  
Number of Samples: 84

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

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

Invoice To: Fabled Copper and Gold Corp.  
2300 - 1066 West Hastings St.  
Vancouver British Columbia V6E 3X1  
Canada

CC: Al Raven  
Eugene Hodgson  
John Harper

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	84	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ370	84	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
SHP01	84	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI
GC820	1	Copper Assay by Classical Titration	0.5	Completed	VAN

## ADDITIONAL COMMENTS

  
MAY LAI  
Data Validation Specialist

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



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**Project:** Church Key  
**Report Date:** January 14, 2020

**Page:** 2 of 4

**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000695.1

Method	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	
Unit	kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	
40601	Drill Core	1.78	<0.001	0.005	<0.01	<0.01	<2	0.003	0.001	0.06	2.58	<0.01	0.020	<0.001	<0.001	<0.01	8.96	0.051	0.001	2.84	1.57
40602	Drill Core	2.09	<0.001	0.003	<0.01	<0.01	<2	0.002	<0.001	0.06	2.10	<0.01	0.025	<0.001	<0.001	<0.01	10.56	0.043	0.001	2.91	1.54
40603	Drill Core	1.98	<0.001	0.003	<0.01	<0.01	<2	0.002	<0.001	0.06	2.15	<0.01	0.026	<0.001	<0.001	<0.01	10.39	0.044	0.001	3.02	1.61
40604	Drill Core	1.54	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.07	1.68	<0.01	0.043	<0.001	<0.001	<0.01	15.15	0.035	0.001	2.65	1.27
40605	Drill Core	2.54	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.07	3.19	<0.01	0.008	<0.001	<0.001	<0.01	7.34	0.022	0.001	9.63	1.25
40606	Drill Core	2.27	<0.001	0.001	<0.01	<0.01	<2	0.005	0.002	0.04	4.47	<0.01	0.003	<0.001	<0.001	<0.01	3.36	0.065	0.005	5.12	3.89
40607	Drill Core	3.33	<0.001	0.001	<0.01	<0.01	<2	0.002	0.001	0.11	3.35	<0.01	0.008	<0.001	<0.001	<0.01	10.55	0.025	0.002	5.92	1.49
40608	Drill Core	1.90	<0.001	0.015	<0.01	<0.01	<2	0.003	0.002	0.05	4.31	<0.01	0.003	<0.001	<0.001	<0.01	3.18	0.039	<0.001	1.54	2.20
40609	Drill Core	3.37	<0.001	0.022	<0.01	<0.01	<2	0.003	0.003	0.05	5.29	<0.01	0.003	<0.001	<0.001	<0.01	1.51	0.040	<0.001	1.87	2.55
40610	Drill Core	3.35	<0.001	0.037	<0.01	<0.01	<2	0.003	0.003	0.05	5.16	<0.01	0.006	<0.001	<0.001	<0.01	2.74	0.028	<0.001	2.05	2.73
40611	Drill Core	3.11	<0.001	0.015	<0.01	<0.01	<2	0.004	0.004	0.08	6.80	<0.01	0.005	<0.001	<0.001	<0.01	5.17	0.019	<0.001	3.30	3.54
40612	Drill Core	0.73	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.07	2.12	<0.01	0.013	<0.001	<0.001	<0.01	12.90	0.013	<0.001	6.21	0.26
40613	Drill Core	2.40	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.72	<0.01	0.011	<0.001	<0.001	<0.01	10.31	0.022	<0.001	4.64	0.31
40614	Drill Core	2.68	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.12	1.79	<0.01	0.013	<0.001	<0.001	<0.01	11.88	0.011	<0.001	4.50	0.16
40615	Drill Core	3.13	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.04	1.62	<0.01	0.019	<0.001	<0.001	<0.01	12.20	0.023	<0.001	3.23	0.76
40616	Drill Core	1.69	<0.001	0.001	<0.01	<0.01	<2	0.002	<0.001	0.08	3.56	<0.01	0.010	<0.001	<0.001	<0.01	7.13	0.055	0.001	4.08	1.73
40617	Drill Core	5.16	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.11	2.37	<0.01	0.007	<0.001	<0.001	<0.01	10.69	0.023	<0.001	5.18	0.42
40618	Drill Core	3.79	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.08	3.00	<0.01	0.007	<0.001	<0.001	<0.01	5.98	0.051	0.001	3.82	1.55
40619	Drill Core	3.45	<0.001	0.007	<0.01	<0.01	<2	0.004	0.002	0.03	6.14	<0.01	0.002	<0.001	<0.001	<0.01	2.37	0.145	0.003	4.22	3.74
40620	Drill Core	3.36	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.09	2.01	<0.01	0.007	<0.001	<0.001	<0.01	9.77	0.025	<0.001	5.17	0.67
40621	Drill Core	3.79	<0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	0.05	1.62	<0.01	0.005	<0.001	<0.001	<0.01	6.04	0.036	<0.001	3.24	0.69
40622	Drill Core	3.98	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.09	1.90	<0.01	0.007	<0.001	<0.001	<0.01	11.41	0.023	<0.001	5.79	0.42
40623	Drill Core	3.88	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.13	1.98	<0.01	0.009	<0.001	<0.001	<0.01	12.01	0.020	<0.001	5.69	0.34
40624	Drill Core	3.86	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.11	2.00	<0.01	0.007	<0.001	<0.001	<0.01	9.70	0.024	<0.001	4.50	0.46
40625	Drill Core	2.47	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.13	2.21	<0.01	0.010	<0.001	<0.001	<0.01	10.74	0.024	<0.001	4.78	0.43
40626	Drill Core	1.92	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.13	2.14	<0.01	0.010	<0.001	<0.001	<0.01	10.33	0.021	<0.001	4.89	0.33
40627	Drill Core	3.32	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.10	2.02	<0.01	0.011	<0.001	<0.001	<0.01	9.53	0.023	<0.001	4.31	0.35
40628	Drill Core	2.48	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.05	1.44	<0.01	0.008	<0.001	<0.001	<0.01	7.03	0.029	<0.001	3.04	0.47
40629	Drill Core	1.95	<0.001	0.001	<0.01	<0.01	<2	0.002	0.001	0.06	2.04	<0.01	0.008	<0.001	<0.001	<0.01	7.34	0.037	<0.001	3.67	0.60
40630	Drill Core	2.75	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.05	1.70	<0.01	0.008	<0.001	<0.001	<0.01	6.23	0.033	<0.001	2.79	0.71



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**Client:** **Fabled Copper and Gold Corp.**

2300 - 1066 West Hastings St.

Vancouver British Columbia V6E 3X1 Canada

Project: Church Key

Report Date: January 14, 2020

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# CERTIFICATE OF ANALYSIS

WHI19000695.1

Method	AQ370	AQ370	AQ370	AQ370	AQ370	GC820
Analyte	Na	K	W	Hg	S	Cu
Unit	%	%	%	%	%	%
MDL	0.01	0.01	0.001	0.001	0.05	1
40601	Drill Core	0.01	0.44	<0.001	<0.001	0.51
40602	Drill Core	0.01	0.46	<0.001	<0.001	0.36
40603	Drill Core	0.01	0.47	<0.001	<0.001	0.37
40604	Drill Core	0.01	0.39	<0.001	<0.001	0.29
40605	Drill Core	0.01	0.05	<0.001	<0.001	<0.05
40606	Drill Core	<0.01	0.45	<0.001	<0.001	<0.05
40607	Drill Core	0.01	0.17	<0.001	<0.001	<0.05
40608	Drill Core	0.12	0.47	<0.001	<0.001	0.08
40609	Drill Core	0.09	0.42	<0.001	<0.001	0.10
40610	Drill Core	0.07	0.40	<0.001	<0.001	0.08
40611	Drill Core	0.04	0.34	<0.001	<0.001	<0.05
40612	Drill Core	<0.01	0.20	<0.001	<0.001	<0.05
40613	Drill Core	<0.01	0.25	<0.001	<0.001	0.31
40614	Drill Core	0.01	0.13	<0.001	<0.001	0.10
40615	Drill Core	<0.01	0.32	<0.001	<0.001	0.30
40616	Drill Core	<0.01	0.25	<0.001	<0.001	0.16
40617	Drill Core	<0.01	0.29	<0.001	<0.001	0.12
40618	Drill Core	0.01	0.35	<0.001	<0.001	0.21
40619	Drill Core	<0.01	0.44	<0.001	<0.001	0.31
40620	Drill Core	<0.01	0.35	<0.001	<0.001	0.23
40621	Drill Core	<0.01	0.41	<0.001	<0.001	0.60
40622	Drill Core	<0.01	0.28	<0.001	<0.001	0.37
40623	Drill Core	<0.01	0.25	<0.001	<0.001	0.36
40624	Drill Core	<0.01	0.30	<0.001	<0.001	0.52
40625	Drill Core	<0.01	0.31	<0.001	<0.001	0.55
40626	Drill Core	<0.01	0.26	<0.001	<0.001	0.52
40627	Drill Core	<0.01	0.29	<0.001	<0.001	0.46
40628	Drill Core	<0.01	0.33	<0.001	<0.001	0.36
40629	Drill Core	<0.01	0.33	<0.001	<0.001	0.85
40630	Drill Core	<0.01	0.39	<0.001	<0.001	0.68



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**Project:** Church Key  
**Report Date:** January 14, 2020

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Part: 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000695.1

Method	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	
Unit	kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	
40631	Drill Core	1.62	<0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	0.02	1.15	<0.01	0.004	<0.001	<0.001	<0.01	3.24	0.031	<0.001	1.69	0.76
40632	Drill Core	2.97	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.04	1.18	<0.01	0.032	<0.001	<0.001	<0.01	20.61	0.020	<0.001	1.70	0.44
40633	Drill Core	2.80	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.03	1.67	<0.01	0.021	<0.001	<0.001	<0.01	11.83	0.027	<0.001	2.42	0.76
40634	Drill Core	2.64	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.03	1.44	<0.01	0.021	<0.001	<0.001	<0.01	13.94	0.030	<0.001	1.83	0.62
40635	Drill Core	4.30	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.03	1.78	<0.01	0.013	<0.001	<0.001	<0.01	8.19	0.036	<0.001	3.28	0.93
40636	Drill Core	4.62	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	0.05	1.77	<0.01	0.011	<0.001	<0.001	<0.01	10.75	0.023	<0.001	5.65	0.62
40637	Drill Core	2.89	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.03	1.89	<0.01	0.009	<0.001	<0.001	<0.01	7.66	0.029	<0.001	3.42	0.88
40638	Drill Core	1.72	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.04	1.74	<0.01	0.009	<0.001	<0.001	<0.01	7.51	0.031	<0.001	3.63	0.97
40639	Drill Core	2.60	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	0.04	1.68	<0.01	0.012	<0.001	<0.001	<0.01	9.08	0.024	<0.001	3.57	0.78
40640	Drill Core	2.08	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	0.04	1.93	<0.01	0.012	<0.001	<0.001	<0.01	7.75	0.023	<0.001	3.52	1.06
40641	Drill Core	0.83	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.08	2.33	<0.01	0.028	<0.001	<0.001	<0.01	12.99	0.032	0.001	2.27	1.54
40642	Drill Core	2.67	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.06	2.04	<0.01	0.021	<0.001	<0.001	<0.01	12.67	0.028	<0.001	2.25	0.91
40643	Drill Core	2.55	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.20	3.25	<0.01	0.017	<0.001	<0.001	<0.01	12.44	0.030	0.002	4.97	2.14
40644	Drill Core	3.79	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.16	2.53	<0.01	0.008	<0.001	<0.001	<0.01	9.14	0.025	0.001	4.97	1.57
40645	Drill Core	4.43	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.001	0.08	1.74	<0.01	0.006	<0.001	<0.001	<0.01	7.12	0.033	<0.001	4.22	0.93
40646	Drill Core	2.52	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.001	0.09	2.41	<0.01	0.010	<0.001	<0.001	<0.01	10.12	0.026	<0.001	6.09	1.00
40647	Drill Core	2.84	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.05	1.75	<0.01	0.006	<0.001	<0.001	<0.01	5.59	0.034	0.001	4.47	1.65
40648	Drill Core	2.01	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.005	0.08	2.64	<0.01	0.006	<0.001	<0.001	<0.01	7.18	0.027	<0.001	5.30	1.49
40649	Drill Core	2.50	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.08	1.79	<0.01	0.007	<0.001	<0.001	<0.01	8.19	0.031	<0.001	5.51	1.27
40650	Drill Core	2.24	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.05	1.17	<0.01	0.004	<0.001	<0.001	<0.01	5.18	0.033	<0.001	3.31	0.91
40651	Drill Core	1.98	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.10	2.50	<0.01	0.014	<0.001	<0.001	<0.01	12.41	0.027	<0.001	7.38	0.84
40652	Drill Core	2.15	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.07	1.68	<0.01	0.009	<0.001	<0.001	<0.01	7.50	0.025	<0.001	4.76	0.90
40653	Drill Core	2.57	<0.001	0.003	<0.01	<0.01	<2	0.002	0.007	0.01	1.35	<0.01	<0.001	<0.001	<0.001	<0.01	1.01	0.027	<0.001	0.57	0.47
40654	Drill Core	2.54	<0.001	<0.001	<0.01	<0.01	<2	0.001	0.005	0.04	1.35	<0.01	0.004	<0.001	<0.001	<0.01	3.76	0.049	<0.001	2.19	0.58
40655	Drill Core	2.47	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.003	0.05	1.81	<0.01	0.005	<0.001	<0.001	<0.01	5.33	0.110	0.001	4.06	1.35
40656	Drill Core	3.47	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.002	0.05	1.80	<0.01	0.005	<0.001	<0.001	<0.01	4.71	0.096	0.002	4.28	1.82
40657	Drill Core	3.54	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.004	0.06	2.18	<0.01	0.005	<0.001	<0.001	<0.01	5.65	0.042	<0.001	3.94	1.20
40658	Drill Core	2.41	<0.001	0.001	<0.01	<0.01	<2	0.002	0.002	0.07	1.70	<0.01	0.005	<0.001	<0.001	<0.01	6.10	0.039	<0.001	4.03	1.04
40659	Drill Core	3.13	<0.001	0.016	<0.01	<0.01	<2	<0.001	0.002	0.06	1.45	<0.01	0.004	<0.001	<0.001	<0.01	5.53	0.136	<0.001	2.95	0.36
40660	Drill Core	3.25	<0.001	0.008	<0.01	<0.01	<2	0.006	0.011	0.08	4.30	<0.01	0.006	<0.001	<0.001	<0.01	7.27	0.674	<0.001	3.13	0.52



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**Project:** Church Key  
**Report Date:** January 14, 2020

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# CERTIFICATE OF ANALYSIS

WHI19000695.1

Method	AQ370	AQ370	AQ370	AQ370	AQ370	GC820
Analyte	Na	K	W	Hg	S	Cu
Unit	%	%	%	%	%	%
MDL	0.01	0.01	0.001	0.001	0.05	1
40631	Drill Core	<0.01	0.44	<0.001	<0.001	0.52
40632	Drill Core	<0.01	0.22	<0.001	<0.001	0.37
40633	Drill Core	<0.01	0.30	<0.001	<0.001	0.47
40634	Drill Core	<0.01	0.34	<0.001	<0.001	0.51
40635	Drill Core	<0.01	0.47	<0.001	<0.001	0.61
40636	Drill Core	<0.01	0.37	<0.001	<0.001	0.37
40637	Drill Core	<0.01	0.47	<0.001	<0.001	0.74
40638	Drill Core	<0.01	0.46	<0.001	<0.001	0.39
40639	Drill Core	<0.01	0.41	<0.001	<0.001	0.36
40640	Drill Core	<0.01	0.46	<0.001	<0.001	0.64
40641	Drill Core	<0.01	0.32	<0.001	<0.001	0.40
40642	Drill Core	<0.01	0.38	<0.001	<0.001	0.88
40643	Drill Core	<0.01	0.34	<0.001	<0.001	0.33
40644	Drill Core	<0.01	0.27	<0.001	<0.001	0.28
40645	Drill Core	<0.01	0.45	<0.001	<0.001	0.47
40646	Drill Core	<0.01	0.35	<0.001	<0.001	0.44
40647	Drill Core	<0.01	0.44	<0.001	<0.001	0.25
40648	Drill Core	<0.01	0.33	<0.001	<0.001	1.05
40649	Drill Core	<0.01	0.40	<0.001	<0.001	0.24
40650	Drill Core	<0.01	0.43	<0.001	<0.001	0.18
40651	Drill Core	<0.01	0.24	<0.001	<0.001	0.48
40652	Drill Core	<0.01	0.32	<0.001	<0.001	0.26
40653	Drill Core	<0.01	0.34	<0.001	<0.001	1.14
40654	Drill Core	<0.01	0.36	<0.001	<0.001	0.75
40655	Drill Core	<0.01	0.33	<0.001	<0.001	0.58
40656	Drill Core	<0.01	0.38	<0.001	<0.001	0.44
40657	Drill Core	<0.01	0.39	<0.001	<0.001	1.09
40658	Drill Core	<0.01	0.38	<0.001	<0.001	0.59
40659	Drill Core	<0.01	0.22	<0.001	<0.001	0.53
40660	Drill Core	<0.01	0.34	<0.001	<0.001	3.71





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**Project:** Church Key  
**Report Date:** January 14, 2020

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**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000695.1

Method	Analyte	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al
Unit		kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01
40661	Drill Core	4.13	<0.001	<0.001	<0.01	<0.01	<2	0.003	0.002	0.05	2.39	<0.01	0.005	<0.001	<0.001	<0.01	5.47	0.037	<0.001	4.06	1.24
40662	Drill Core	3.99	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.002	0.04	2.04	<0.01	0.004	<0.001	<0.001	<0.01	4.40	0.039	0.001	3.80	1.45
40663	Drill Core	3.94	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001	0.03	2.14	<0.01	0.003	<0.001	<0.001	<0.01	2.80	0.052	0.002	3.32	1.85
40664	Drill Core	3.97	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001	0.03	2.25	<0.01	0.003	<0.001	<0.001	<0.01	3.77	0.041	0.002	4.41	2.07
40665	Drill Core	3.89	<0.001	<0.001	<0.01	<0.01	<2	0.002	0.001	0.04	2.17	<0.01	0.004	<0.001	<0.001	<0.01	4.36	0.044	0.001	4.15	1.75
40666	Drill Core	3.60	<0.001	0.001	<0.01	<0.01	<2	0.002	0.001	0.07	2.25	<0.01	0.005	<0.001	<0.001	<0.01	5.24	0.044	0.001	4.21	1.51
40667	Drill Core	1.85	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.12	2.46	<0.01	0.008	<0.001	<0.001	<0.01	8.35	0.028	<0.001	4.22	0.60
40668	Drill Core	2.44	<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.13	4.36	<0.01	0.007	<0.001	<0.001	<0.01	13.88	0.013	<0.001	7.35	0.24
40669	Drill Core	3.19	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.15	2.14	<0.01	0.007	<0.001	<0.001	<0.01	11.95	0.018	<0.001	6.20	0.33
40670	Drill Core	1.57	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.10	1.88	<0.01	0.007	<0.001	<0.001	<0.01	8.85	0.025	<0.001	4.54	0.44
40671	Drill Core	3.45	<0.001	0.001	<0.01	<0.01	<2	0.003	0.001	0.14	2.88	<0.01	0.007	<0.001	<0.001	<0.01	11.99	0.026	<0.001	6.18	0.42
40672	Drill Core	3.25	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	0.16	2.75	<0.01	0.008	<0.001	<0.001	<0.01	12.76	0.021	<0.001	6.40	0.44
40673	Drill Core	1.86	<0.001	0.001	<0.01	<0.01	<2	0.001	<0.001	0.13	2.56	<0.01	0.010	<0.001	<0.001	<0.01	9.82	0.021	<0.001	4.93	0.44
40674	Drill Core	4.49	<0.001	0.005	<0.01	<0.01	<2	0.002	0.001	0.06	2.14	<0.01	0.005	<0.001	<0.001	<0.01	7.05	0.034	<0.001	3.64	0.51
40675	Drill Core	1.85	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.18	3.07	<0.01	0.010	<0.001	<0.001	<0.01	18.33	0.002	<0.001	8.38	0.08
40676	Drill Core	3.07	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.05	1.74	<0.01	0.006	<0.001	<0.001	<0.01	7.73	0.032	<0.001	3.84	0.49
40677	Drill Core	3.25	<0.001	0.023	<0.01	<0.01	<2	0.001	0.001	0.06	1.74	<0.01	0.006	<0.001	<0.001	<0.01	7.00	0.035	<0.001	3.51	0.44
40678	Drill Core	4.04	<0.001	0.195	<0.01	<0.01	<2	0.002	0.001	0.06	2.09	<0.01	0.007	<0.001	<0.001	<0.01	6.96	0.033	<0.001	3.03	0.48
40679	Drill Core	1.02	<0.001	0.290	<0.01	<0.01	<2	0.001	<0.001	0.05	2.02	<0.01	0.004	<0.001	<0.001	<0.01	4.95	0.038	<0.001	2.50	0.71
40680	Drill Core	2.80	<0.001	0.018	<0.01	<0.01	<2	0.002	0.001	0.09	2.58	<0.01	0.005	<0.001	<0.001	<0.01	8.15	0.023	<0.001	3.79	0.44
40681	Drill Core	4.54	<0.001	1.638	<0.01	<0.01	<2	<0.001	<0.001	0.13	3.50	<0.01	0.005	<0.001	<0.001	<0.01	10.00	0.008	<0.001	4.08	0.16
40682	Drill Core	2.42	<0.001	0.008	<0.01	<0.01	<2	0.001	0.001	0.09	2.26	<0.01	0.005	<0.001	<0.001	<0.01	8.13	0.031	<0.001	3.96	0.60
40683	Drill Core	4.44	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.10	2.47	<0.01	0.006	<0.001	<0.001	<0.01	10.50	0.023	<0.001	4.97	0.43
40684	Drill Core	4.12	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.06	2.19	<0.01	0.005	<0.001	<0.001	<0.01	7.71	0.032	<0.001	4.00	0.61



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# CERTIFICATE OF ANALYSIS

WHI19000695.1

	Method	AQ370	AQ370	AQ370	AQ370	AQ370	GC820
		Na	K	W	Hg	S	Cu
	Analyte	%	%	%	%	%	%
	Unit						
	MDL	0.01	0.01	0.001	0.001	0.05	1
40661	Drill Core	<0.01	0.39	<0.001	<0.001	1.50	
40662	Drill Core	<0.01	0.39	<0.001	<0.001	1.12	
40663	Drill Core	<0.01	0.44	<0.001	<0.001	1.17	
40664	Drill Core	<0.01	0.38	<0.001	<0.001	1.14	
40665	Drill Core	<0.01	0.41	<0.001	<0.001	1.15	
40666	Drill Core	<0.01	0.38	<0.001	<0.001	1.04	
40667	Drill Core	<0.01	0.44	<0.001	<0.001	1.07	
40668	Drill Core	<0.01	0.19	<0.001	<0.001	3.02	
40669	Drill Core	<0.01	0.27	<0.001	<0.001	0.26	
40670	Drill Core	<0.01	0.37	<0.001	<0.001	0.33	
40671	Drill Core	<0.01	0.33	<0.001	<0.001	1.09	
40672	Drill Core	<0.01	0.34	<0.001	<0.001	0.88	
40673	Drill Core	<0.01	0.35	<0.001	<0.001	0.85	
40674	Drill Core	<0.01	0.43	<0.001	<0.001	1.39	
40675	Drill Core	0.01	0.07	<0.001	<0.001	1.02	
40676	Drill Core	<0.01	0.42	<0.001	<0.001	0.79	
40677	Drill Core	<0.01	0.39	<0.001	<0.001	0.78	
40678	Drill Core	<0.01	0.39	<0.001	<0.001	1.23	
40679	Drill Core	<0.01	0.50	<0.001	<0.001	1.19	
40680	Drill Core	<0.01	0.34	<0.001	<0.001	1.29	
40681	Drill Core	<0.01	0.12	<0.001	<0.001	2.07	1.85
40682	Drill Core	<0.01	0.39	<0.001	<0.001	0.84	
40683	Drill Core	<0.01	0.34	<0.001	<0.001	1.06	
40684	Drill Core	<0.01	0.46	<0.001	<0.001	1.03	



# QUALITY CONTROL REPORT

WHI19000695.1

Method	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	
Unit	kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	
Pulp Duplicates																					
40605	Drill Core	2.54	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.07	3.19	<0.01	0.008	<0.001	<0.001	<0.01	7.34	0.022	0.001	9.63	1.25
REP 40605	QC		<0.001	<0.001	<0.01	<0.01	<2	0.001	<0.001	0.06	3.15	<0.01	0.008	<0.001	<0.001	<0.01	7.21	0.022	0.001	9.61	1.22
40638	Drill Core	1.72	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.04	1.74	<0.01	0.009	<0.001	<0.001	<0.01	7.51	0.031	<0.001	3.63	0.97
REP 40638	QC		<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.03	1.72	<0.01	0.009	<0.001	<0.001	<0.01	7.46	0.031	<0.001	3.60	0.96
40670	Drill Core	1.57	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.10	1.88	<0.01	0.007	<0.001	<0.001	<0.01	8.85	0.025	<0.001	4.54	0.44
REP 40670	QC		<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.10	1.88	<0.01	0.007	<0.001	<0.001	<0.01	8.87	0.027	<0.001	4.56	0.43
40681	Drill Core	4.54	<0.001	1.638	<0.01	<0.01	<2	<0.001	<0.001	0.13	3.50	<0.01	0.005	<0.001	<0.001	<0.01	10.00	0.008	<0.001	4.08	0.16
REP 40681	QC																				
Core Reject Duplicates																					
40624	Drill Core	3.86	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.11	2.00	<0.01	0.007	<0.001	<0.001	<0.01	9.70	0.024	<0.001	4.50	0.46
DUP 40624	QC		<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.11	2.08	<0.01	0.007	<0.001	<0.001	<0.01	9.83	0.027	<0.001	4.48	0.50
40658	Drill Core	2.41	<0.001	0.001	<0.01	<0.01	<2	0.002	0.002	0.07	1.70	<0.01	0.005	<0.001	<0.001	<0.01	6.10	0.039	<0.001	4.03	1.04
DUP 40658	QC		<0.001	0.001	<0.01	<0.01	<2	0.002	0.002	0.07	1.69	<0.01	0.005	<0.001	<0.001	<0.01	6.09	0.039	<0.001	4.05	1.05
Reference Materials																					
STD CCU-1E	Standard																				
STD CCU-1E	Standard																				
STD CDN-ME-9A	Standard		<0.001	0.663	<0.01	<0.01	5	0.928	0.016	0.07	11.51	<0.01	0.006	<0.001	<0.001	<0.01	1.35	0.059	0.013	2.86	2.21
STD CDN-ME-14A	Standard		<0.001	1.248	0.48	3.01	44	0.002	0.017	0.06	16.90	<0.01	<0.001	0.009	0.003	<0.01	0.30	0.015	0.001	0.88	1.18
STD CDN-ME-9A	Standard		<0.001	0.661	<0.01	<0.01	3	0.992	0.016	0.07	11.84	<0.01	0.006	<0.001	<0.001	<0.01	1.37	0.059	0.014	2.86	2.28
STD CDN-ME-14A	Standard		0.001	1.238	0.48	2.94	43	0.002	0.017	0.06	17.26	0.01	<0.001	0.008	0.002	<0.01	0.31	0.015	0.003	0.89	1.20
STD CDN-ME-9A	Standard		<0.001	0.658	<0.01	0.01	4	0.989	0.017	0.07	11.86	<0.01	0.006	<0.001	<0.001	<0.01	1.43	0.060	0.015	2.88	2.35
STD CDN-ME-14A	Standard		0.002	1.248	0.49	3.03	43	0.002	0.017	0.06	17.56	0.01	<0.001	0.009	0.003	<0.01	0.31	0.015	0.003	0.91	1.20
STD CDN-ME-9A Expected			0.00033	0.654	0.003	0.0096	3.3	0.912	0.0165	0.066	11.73	0.00125	0.006	0	0.00014	0.0002	1.37	0.0583	0.0134	2.84	2.21
STD CDN-ME-14A Expected			0.0015	1.24	0.488	2.97	42.3	0.0018	0.017	0.0589	17.29	0.0105	0.00036	0.0088	0.0024	0.0096	0.298	0.0127	0.0019	0.8787	1.14
STD CCU-1E Expected																					
BLK	Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.002	<0.001	<0.01	<0.01
BLK	Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01
BLK	Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client:** **Fabled Copper and Gold Corp.**  
2300 - 1066 West Hastings St.  
Vancouver British Columbia V6E 3X1 Canada

Project: Church Key  
Report Date: January 14, 2020

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# QUALITY CONTROL REPORT

WHI19000695.1

Method	AQ370	AQ370	AQ370	AQ370	AQ370	GC820
Analyte	Na	K	W	Hg	S	Cu
Unit	%	%	%	%	%	%
MDL	0.01	0.01	0.001	0.001	0.05	1
Pulp Duplicates						
40605	Drill Core	0.01	0.05	<0.001	<0.001	<0.05
REP 40605	QC	0.01	0.04	<0.001	<0.001	<0.05
40638	Drill Core	<0.01	0.46	<0.001	<0.001	0.39
REP 40638	QC	<0.01	0.45	<0.001	<0.001	0.39
40670	Drill Core	<0.01	0.37	<0.001	<0.001	0.33
REP 40670	QC	<0.01	0.37	<0.001	<0.001	0.33
40681	Drill Core	<0.01	0.12	<0.001	<0.001	2.07 1.85
REP 40681	QC					1.75
Core Reject Duplicates						
40624	Drill Core	<0.01	0.30	<0.001	<0.001	0.52
DUP 40624	QC	<0.01	0.33	<0.001	<0.001	0.53
40658	Drill Core	<0.01	0.38	<0.001	<0.001	0.59
DUP 40658	QC	<0.01	0.38	<0.001	<0.001	0.59
Reference Materials						
STD CCU-1E	Standard					22.93
STD CCU-1E	Standard					23.12
STD CDN-ME-9A	Standard	0.31	0.19	<0.001	<0.001	3.22
STD CDN-ME-14A	Standard	0.03	0.36	<0.001	<0.001	16.32
STD CDN-ME-9A	Standard	0.31	0.18	<0.001	<0.001	3.23
STD CDN-ME-14A	Standard	0.03	0.37	0.002	<0.001	16.25
STD CDN-ME-9A	Standard	0.32	0.18	<0.001	<0.001	3.30
STD CDN-ME-14A	Standard	0.03	0.37	<0.001	<0.001	16.46
STD CDN-ME-9A Expected		0.309	0.1813	0	0	3.34
STD CDN-ME-14A Expected		0.0264	0.359		0.0015	16.52
STD CCU-1E Expected						23.07
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.05
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.05
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.05



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Vancouver British Columbia V6E 3X1 Canada

Project: Church Key  
Report Date: January 14, 2020

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# QUALITY CONTROL REPORT

WHI19000695.1

		WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al
		kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01
Prep Wash																					
ROCK-WHI	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.05	1.79	<0.01	0.002	<0.001	<0.001	<0.01	0.64	0.039	<0.001	0.51	1.05	
ROCK-WHI	Prep Blank	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.86	<0.01	0.003	<0.001	<0.001	<0.01	0.69	0.037	<0.001	0.51	1.12	



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## QUALITY CONTROL REPORT

WHI19000695.1

		AQ370	AQ370	AQ370	AQ370	AQ370	GC820
		Na	K	W	Hg	S	Cu
		%	%	%	%	%	%
		0.01	0.01	0.001	0.001	0.05	1
Prep Wash							
ROCK-WHI	Prep Blank	0.15	0.13	<0.001	<0.001	<0.05	
ROCK-WHI	Prep Blank	0.17	0.14	<0.001	<0.001	<0.05	



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PHONE (604) 253-3158

**Client:** **Fabled Copper and Gold Corp.**  
2300 - 1066 West Hastings St.  
Vancouver British Columbia V6E 3X1 Canada

Submitted By: John Kowalchuk  
Receiving Lab: Canada-Whitehorse  
Received: October 23, 2019  
Report Date: November 07, 2019  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000713.1

## CLIENT JOB INFORMATION

Project: Church Key  
Shipment ID:  
P.O. Number  
Number of Samples: 20

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

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

Invoice To: Fabled Copper and Gold Corp.  
2300 - 1066 West Hastings St.  
Vancouver British Columbia V6E 3X1  
Canada

CC: Al Raven  
Eugene Hodgson  
John Harper

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	20	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ370	20	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
SHP01	20	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI

## ADDITIONAL COMMENTS

  
JEFFREY CANNON  
Geochemistry Department Supervisor

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



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**Project:** Church Key  
**Report Date:** November 07, 2019

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**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI19000713.1

Method	Analyte	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al
Unit		kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	
40685	Drill Core	4.46	<0.001	0.002	<0.01	<0.01	<2	<0.001	<0.001	0.09	2.23	0.01	0.007	<0.001	<0.001	<0.01	10.54	0.028	<0.001	5.31	0.49
40686	Drill Core	1.00	<0.001	0.176	<0.01	<0.01	<2	<0.001	<0.001	0.17	2.50	<0.01	0.007	<0.001	<0.001	<0.01	14.57	0.009	<0.001	3.06	0.27
40687	Drill Core	4.90	<0.001	0.005	<0.01	<0.01	<2	0.001	0.001	0.06	3.64	<0.01	0.004	<0.001	<0.001	<0.01	5.17	0.038	0.002	3.51	2.11
40688	Drill Core	1.13	<0.001	0.060	<0.01	<0.01	<2	<0.001	<0.001	0.15	3.04	<0.01	0.006	<0.001	<0.001	<0.01	9.33	0.012	<0.001	4.42	0.25
40689	Drill Core	2.88	<0.001	0.002	<0.01	<0.01	<2	0.002	0.001	0.09	2.78	<0.01	0.007	<0.001	<0.001	<0.01	9.47	0.033	<0.001	4.82	0.55
40690	Drill Core	2.33	<0.001	0.003	<0.01	<0.01	<2	0.004	0.002	0.10	3.42	<0.01	0.008	<0.001	<0.001	<0.01	10.06	0.033	<0.001	4.92	0.55
40691	Drill Core	2.39	<0.001	0.003	<0.01	<0.01	<2	0.002	0.001	0.05	1.86	<0.01	0.007	<0.001	<0.001	<0.01	6.94	0.037	<0.001	3.14	0.38
40692	Drill Core	4.40	<0.001	0.003	<0.01	<0.01	<2	0.001	<0.001	0.06	1.74	<0.01	0.008	<0.001	<0.001	<0.01	7.41	0.037	<0.001	3.65	0.65
40693	Drill Core	2.26	<0.001	0.022	<0.01	<0.01	<2	<0.001	<0.001	0.14	3.15	<0.01	0.011	<0.001	<0.001	<0.01	17.18	0.003	<0.001	8.96	0.11
40694	Drill Core	2.03	<0.001	0.002	<0.01	0.07	<2	<0.001	<0.001	0.05	1.79	<0.01	0.011	<0.001	<0.001	<0.01	8.91	0.021	<0.001	4.02	0.36
40695	Drill Core	2.83	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.28	2.63	<0.01	0.010	<0.001	<0.001	<0.01	14.35	0.021	<0.001	7.05	0.39
40696	Drill Core	3.80	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.38	2.69	<0.01	0.015	<0.001	<0.001	<0.01	16.48	0.010	<0.001	7.91	0.27
40697	Drill Core	3.75	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.25	2.17	<0.01	0.010	<0.001	<0.001	<0.01	14.30	0.017	<0.001	7.28	0.39
40698	Drill Core	2.77	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.36	2.02	<0.01	0.012	<0.001	<0.001	<0.01	17.61	0.014	<0.001	8.70	0.43
40699	Drill Core	2.59	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.30	2.15	<0.01	0.025	<0.001	<0.001	<0.01	20.00	0.010	<0.001	6.47	0.62
40700	Drill Core	4.55	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.11	1.04	<0.01	0.023	<0.001	<0.001	<0.01	17.90	0.012	<0.001	1.13	0.78
40701	Drill Core	1.44	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.44	2.54	<0.01	0.015	<0.001	<0.001	<0.01	19.50	0.010	<0.001	9.13	0.31
40702	Drill Core	3.19	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.45	2.80	<0.01	0.010	<0.001	<0.001	<0.01	17.97	0.008	<0.001	9.12	0.22
40703	Drill Core	1.63	<0.001	0.002	<0.01	<0.01	<2	0.001	<0.001	0.21	2.47	<0.01	0.009	<0.001	<0.001	<0.01	10.37	0.034	<0.001	5.22	1.26
40704	Drill Core	3.40	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.27	2.57	<0.01	0.016	<0.001	<0.001	<0.01	14.27	0.019	<0.001	6.34	0.72





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Project: Church Key

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# CERTIFICATE OF ANALYSIS

WHI19000713.1

Method	Analyte	AQ370	AQ370	AQ370	AQ370	AQ370
		Na	K	W	Hg	S
Unit		%	%	%	%	%
MDL		0.01	0.01	0.001	0.001	0.05
40685	Drill Core	<0.01	0.38	<0.001	<0.001	0.62
40686	Drill Core	<0.01	0.19	<0.001	<0.001	1.09
40687	Drill Core	<0.01	0.44	<0.001	<0.001	0.79
40688	Drill Core	0.01	0.17	<0.001	<0.001	1.03
40689	Drill Core	<0.01	0.36	<0.001	<0.001	1.24
40690	Drill Core	<0.01	0.42	<0.001	<0.001	1.79
40691	Drill Core	<0.01	0.30	<0.001	<0.001	0.81
40692	Drill Core	<0.01	0.48	<0.001	<0.001	0.56
40693	Drill Core	0.02	0.08	<0.001	<0.001	0.13
40694	Drill Core	<0.01	0.31	<0.001	<0.001	0.42
40695	Drill Core	0.01	0.22	<0.001	<0.001	0.36
40696	Drill Core	0.01	0.15	<0.001	<0.001	0.20
40697	Drill Core	0.01	0.21	<0.001	<0.001	0.24
40698	Drill Core	0.01	0.12	<0.001	<0.001	0.14
40699	Drill Core	<0.01	0.07	<0.001	<0.001	0.26
40700	Drill Core	<0.01	0.09	<0.001	<0.001	0.19
40701	Drill Core	0.02	0.05	<0.001	<0.001	0.13
40702	Drill Core	0.01	0.07	<0.001	<0.001	0.13
40703	Drill Core	<0.01	0.38	<0.001	<0.001	0.50
40704	Drill Core	<0.01	0.22	<0.001	<0.001	0.37



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# QUALITY CONTROL REPORT

WHI19000713.1

Method	WGHT	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	
Unit	kg	%	%	%	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
MDL	0.01	0.001	0.001	0.01	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.01	0.01	
Pulp Duplicates																					
40698	Drill Core	2.77	<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.36	2.02	<0.01	0.012	<0.001	<0.001	<0.01	17.61	0.014	<0.001	8.70	0.43
REP 40698	QC		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.36	2.08	<0.01	0.012	<0.001	<0.001	<0.01	17.55	0.014	<0.001	8.70	0.44
Core Reject Duplicates																					
40695	Drill Core	2.83	<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.28	2.63	<0.01	0.010	<0.001	<0.001	<0.01	14.35	0.021	<0.001	7.05	0.39
DUP 40695	QC		<0.001	0.001	<0.01	<0.01	<2	<0.001	<0.001	0.28	2.66	<0.01	0.010	<0.001	<0.001	<0.01	14.43	0.022	<0.001	7.07	0.40
Reference Materials																					
STD CDN-ME-9A	Standard		<0.001	0.662	<0.01	0.01	3	0.864	0.018	0.07	11.59	<0.01	0.006	<0.001	<0.001	<0.01	1.41	0.061	0.014	2.81	2.28
STD CDN-ME-14A	Standard		0.002	1.232	0.52	3.08	43	0.002	0.018	0.06	16.87	<0.01	<0.001	0.010	0.002	0.01	0.31	0.014	0.002	0.89	1.21
STD CDN-ME-9A Expected			0.00033	0.654	0.003	0.0096	3.3	0.912	0.0165	0.066	11.73	0.00125	0.006	0	0.00014	0.0002	1.37	0.0583	0.0134	2.84	2.21
STD CDN-ME-14A Expected			0.0015	1.24	0.488	2.97	42.3	0.0018	0.017	0.0589	17.29	0.0105	0.00036	0.0088	0.0024	0.0096	0.298	0.0127	0.0019	0.8787	1.14
BLK	Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	1.99	<0.01	0.003	<0.001	<0.001	<0.01	0.77	0.042	<0.001	0.58	1.22
ROCK-WHI	Prep Blank		<0.001	<0.001	<0.01	<0.01	<2	<0.001	<0.001	0.06	2.04	<0.01	0.003	<0.001	<0.001	<0.01	0.79	0.041	<0.001	0.55	1.27



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Project: Church Key

Report Date: November 07, 2019

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# QUALITY CONTROL REPORT

WHI19000713.1

Method	AQ370	AQ370	AQ370	AQ370	AQ370	
Analyte	Na	K	W	Hg	S	
Unit	%	%	%	%	%	
MDL	0.01	0.01	0.001	0.001	0.05	
Pulp Duplicates						
40698	Drill Core	0.01	0.12	<0.001	<0.001	0.14
REP 40698	QC	0.01	0.12	<0.001	<0.001	0.15
Core Reject Duplicates						
40695	Drill Core	0.01	0.22	<0.001	<0.001	0.36
DUP 40695	QC	0.01	0.23	<0.001	<0.001	0.36
Reference Materials						
STD CDN-ME-9A	Standard	0.33	0.20	<0.001	<0.001	3.33
STD CDN-ME-14A	Standard	0.04	0.40	<0.001	<0.001	16.38
STD CDN-ME-9A Expected		0.309	0.1813	0	0	3.34
STD CDN-ME-14A Expected		0.0264	0.359		0.0015	16.52
BLK	Blank	<0.01	<0.01	<0.001	<0.001	<0.05
Prep Wash						
ROCK-WHI	Prep Blank	0.20	0.17	<0.001	<0.001	<0.05
ROCK-WHI	Prep Blank	0.22	0.18	<0.001	<0.001	<0.05