2018 Assessment Report for Drilling
Grouped Claims HM03301
Galena Hill, Yukon

Property Comprising the Following Claims:

Ag (YC02775), K27 (YC42575), K29 (YC42577), K31 (YC42579), Man (YC02774), and Spider (YC02773)

REGISTERED OWNER:
Alexco Keno Hill Mining Corp
1225-555 Burrard St
Vancouver, BC
V7X 1M9

Located in the:
Keno Hill Area
Mayo Mining District
Yukon Territory, Canada
N.T.S. 105M 14

NAD83 Zone 8
Northing: 7,087,120
Easting: 482,450

PREPARED BY:

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Vancouver, B.C. V7X 1M9

DATES WORK PERFORMED: June 7 and August 7, 2018

DATE OF REPORT: May 2, 2019

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1.0 SUMMARY

During June through August 2018, five diamond drill holes for a total of 1,953 metres of HQ core drilling were completed over an area of known silver-lead-zinc mineralization at the Eagle prospect on the south-eastern flanks of Galena Hill. Of this, 881 metres in three holes were completed within the HM03301 Grouping Certificate as in the assessment report for the renewal certificate for QM02169 on the Ag and Man quartz claims.

Results indicate minor silver mineralization in two fault-controlled structures, but the potential for any significant deposit at shallow depths is small. Further exploration as the structure passes through favourable mineralization towards the east may be warranted.

2.0 INTRODUCTION

This report summarizes the results of diamond drilling completed at the Eagle Prospect by Alexco Resource Corp (Alexco) between June 7 and August 7, 2018 on the HM03301 Grouping claims and surrounding area. Planning, supervision, implementation and reporting of this work were performed by Alexco Resource Corp staff.

In addition, relogging and modeling of previously drilled core completed by Mega Precious Metals Inc. (Tupper, D.W., 2010) complemented this work. Core from a subsequent drill program by Benz Capital Corp (Blackburn, L., 2013) was not located.

The area occurs in a highly prospective stratigraphic position at the top of the Keno Hill Quartzite Formation where competent quartzite is indicated, and where some historic prospect workings are known and was selected to expand upon the results of drilling completed in 2009 by Mega Precious Metals.

3.0 LOCATION AND ACCESS

The quartz leases and claims on which the work was conducted are held under Alexco Keno Hill Mining Corp.

The property is located on the southeast slope of Galena Hill within the Mayo Mining District approximately 350 km north of Whitehorse (Figure 1). The area is covered by NTS map sheet 105M/14. The reference datum used is UTM NAD83 Zone 8, unless otherwise noted.

Access to the district is via the Silver Trail Highway connecting the villages of Mayo and Keno City, with the property accessible from this road and the Duncan Creek Road. The base of operations for Alexco is the abandoned company town of Elsa which contains camp and office facilities.

Figure 1 General Location of the Option Group

4.0 CLAIM STATUS

The area comprises 6 quartz claims covering an area of approximately 0.87 km^2. The work was performed on the Ag and Man quartz mining claims that are active, having been originally staked in July 2001 and expire in December 2021. A full list of claims and their expiries are shown in Table 1. The diamond drill holes K-18-0698, K-18-0700, and K-18-0701 in part penetrate these claims.

Table 1 - Claims in Grouping HM03301 in this Assessment Report

Grant Number	Claim Name	Map Sheet	Owner	Stake Date	Current Expiry
YC02775	Ag	105M/14	Alexco Keno Hill Mining Corp. - 100%	7/9/2001	12/31/2021
YC42575	K27	105M/14	Alexco Keno Hill Mining Corp. - 100%	12/3/2005	12/15/2021
YC42577	K29	105M/14	Alexco Keno Hill Mining Corp. - 100%	12/3/2005	12/15/2021
YC42579	K31	105M/14	Alexco Keno Hill Mining Corp. - 100%	12/3/2005	12/15/2021
YC02774	Man	105M/14	Alexco Keno Hill Mining Corp. - 100%	7/9/2001	12/31/2021
YC02773	Spider	105M/14	Alexco Keno Hill Mining Corp. - 100%	7/6/2001	12/31/2021

The location of the quartz claims is shown in Figure 2.

A statement of expenditure for work completed for the Option is included as Appendix 2.

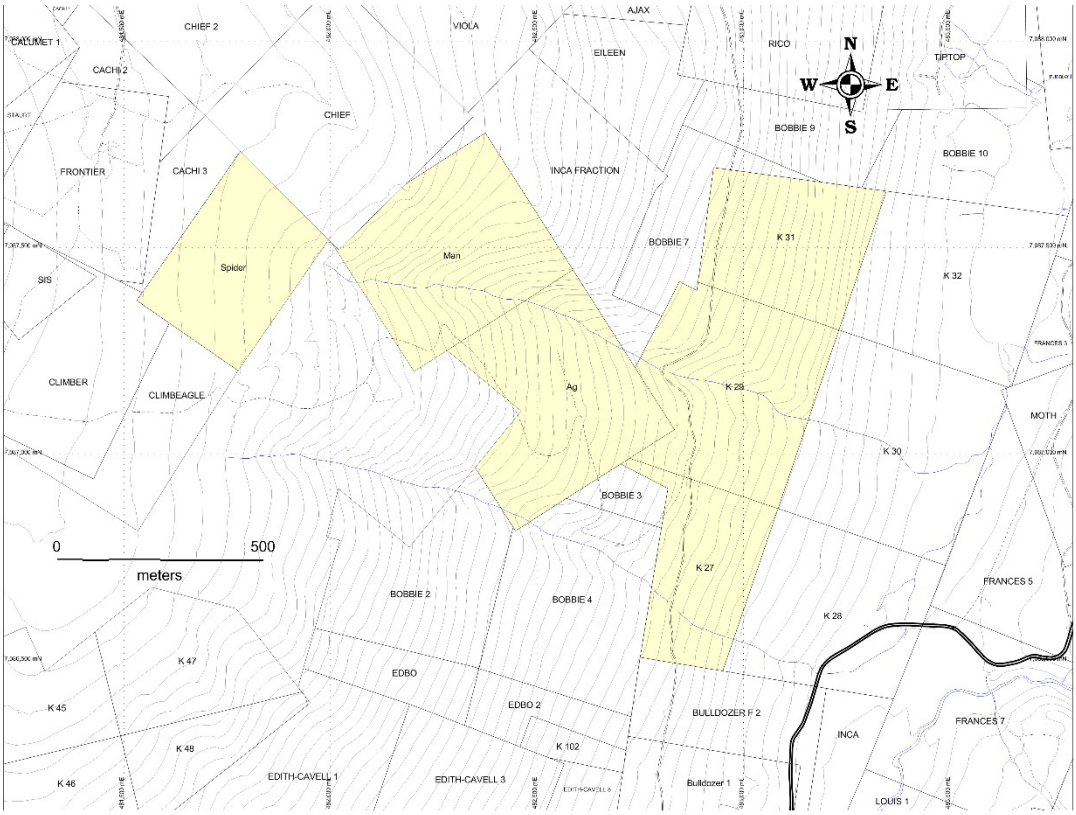

Figure 2 Location of the Claim Group

5.0 REGIONAL GEOLOGY

The property is situated within the western part of the Selwyn Basin in an area dominated by deformed and metamorphosed sediments accumulated at the edge of the Neoproterozoic to Paleozoic continental margin. During the Jurassic and Cretaceous, the area was subjected to compressional tectonic forces producing imbricate thrust sheets and widespread folding. In the mid-Cretaceous, renewed tectonism resulted in extensive brittle deformation and the emplacement of intrusive plutons.

The Galena Hill area is predominantly overlain by deep Recent fluvio-glacial cover over the Keno Hill Quartzite Group (Mississippian), host to most of the past producing ore bodies in the Keno Hill district and the underlying Devonian-Mississippian Earn Group. To the south of the Keno Hill Quartzite and the Robert Service Thrust fault, the area is underlain by the Precambrian Yusezyu Formation of the Hyland Group.

6.0 PROPERTY GEOLOGY

The area (Figure 3) is included within a wider geologic mapping initiative in the Keno District, from which Alexco has derived a revised stratigraphy (McOnie and Read, 2009) that is summarized in Figure 4.

There is only a minor amount of outcrop within the area with the south facing slopes of Galena Hill largely covered by shallow soil, talus and permafrost. Surface mapping in the area shows that the area to essentially lie along the upper contact of the Basal Quartzite Member of the Mississippian Keno Hill Quartzite, and the overlying lower part of the Schist Markers and Upper Quartzite of the Sourdough Hill Member. Narrow bands of Triassic greenstone occur through the zone within the Basal Quartzite.

The Eagle Vein is a transverse-type vein-fault hosted in the Basal Quartzite and trends 057°/60° SE with at least a 900 m strike-length and a depth of 300 m. There is a second mineralized structure located 300 m to the southeast in the footwall trending 065°/60°SE. The Eagle Vein is inferred to be offset by the post-mineral Hector Fault which is extends south-southeast to north-northwest, dipping southwest and exhibiting apparent right lateral movement (Figure 10).

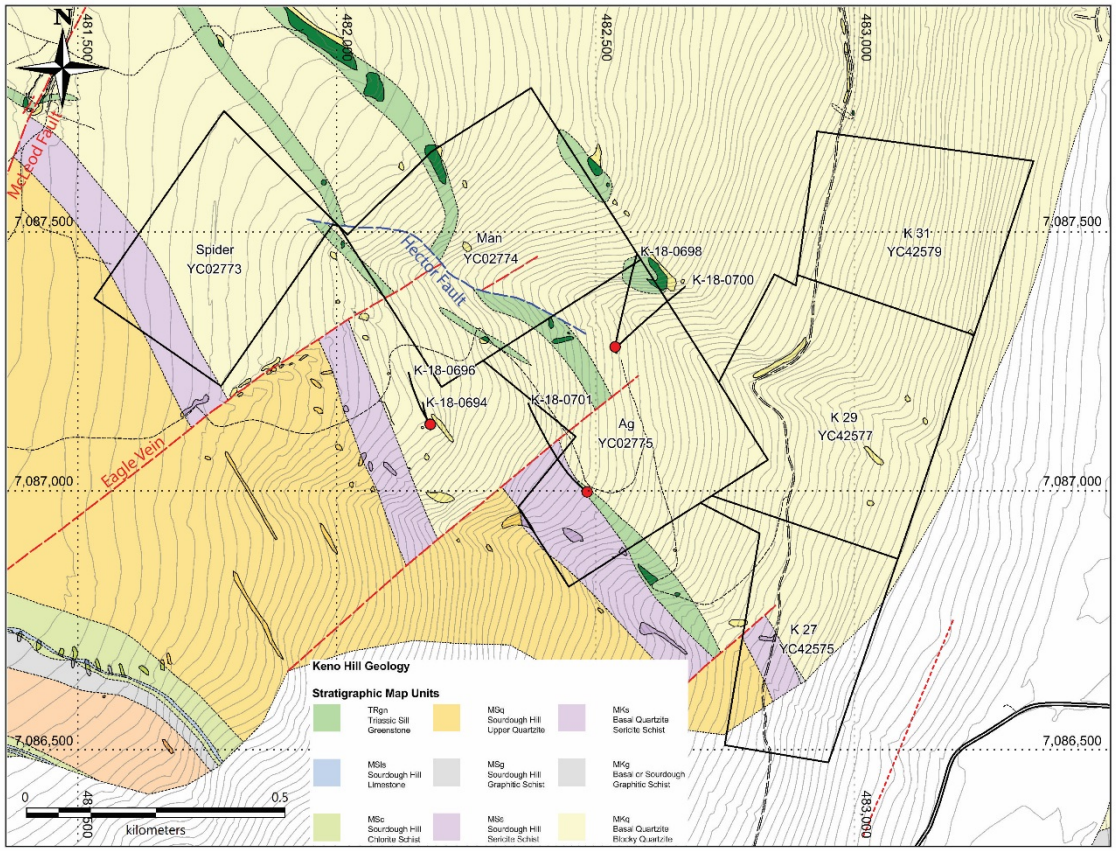

Figure 3 Geology of the Claim Block Showing the Location of 2018 Drill Holes (stratigraphic column in Figure 4).

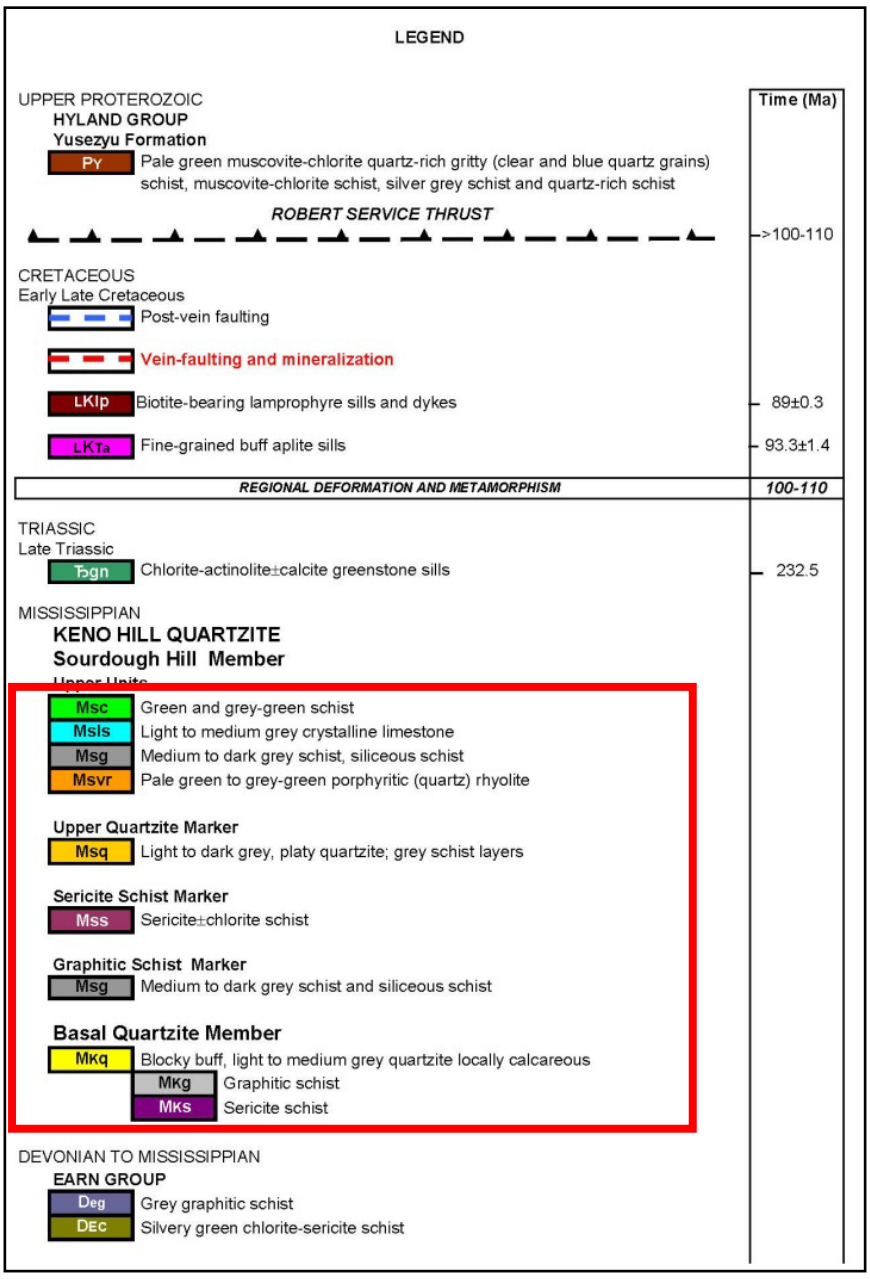

Figure 4 Keno District Stratigraphy

7.0 EXPLORATION HISTORY

The project area has undergone several periods of prospecting and exploration since it was first staked in the 1920s. It is a documented Minfile drilled prospect (105M 021) on file with the Yukon Geological Survey which was summarized in Tupper (2010). This has included early hand pitting, several shafts, bulldozer trenching, and diamond drilling between 1924 and 1979.

In 2003, Avino Silver and Gold Mines Ltd. acquired some claims within the claim grouping. They optioned them to Mega Previous Metals Inc. in 2008-2009 who competed an exploration program including 1,897 m of diamond drilling, geological mapping, petrography of six specimens, 1,207.4 m of rotary air blast drilling, 400 m of trenching and an airborne magnetic survey.

In 2013, an adjacent part of the property was optioned to Benz Capital Corp who drilled two holes.

8.0 2018 DRILL PROGRAM

A series of diamond drill holes totaling 881 m on the claim grouping, were drilled by Alexco in 2018. The collar details are shown in Appendix 3, with the locations of the holes relative to claim boundaries shown in Figure 5.

These holes were designed to test the Eagle Vein proximal to a favourable intersection by Mega Precious Metal in hole D09EE-07, and to explore the vein at depth.

Three drill holes were either collared on or penetrating below the claims and were completed between June 7 and August 7, 2018 by Boart Longyear, based in Saskatoon, Saskatchewan, by the wireline method using HQ size equipment.

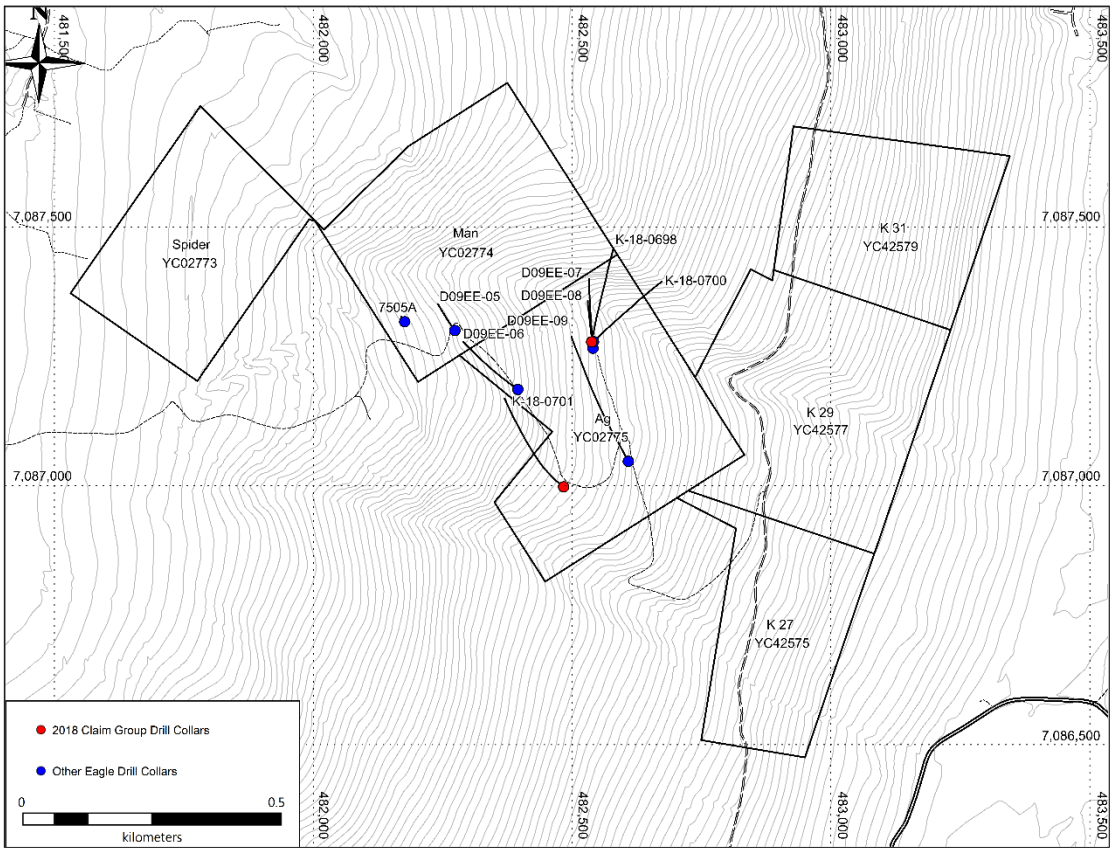

Figure 5 Location of Drill Holes

Drill and Sample Procedure

Down hole surveys were taken at approximately 24 m intervals using a single shot Reflex survey tool. Drill Hole collars were located using hand held GPS and once completed the final location accurately surveyed by RTK GPS.

Standard logging and sampling conventions were used to capture information from the drill core. The core was logged at the Elsa facility directly in digital format into a SQL database with separate tables for:

- Lithology
- Structure
- Mineralization
- Geotechnical
- Specific gravity
- Assay sampling

Lithology is documented by an alphanumeric code with additional modifiers and descriptive remarks also captured. Structural data consists of type of structure, with

measurements relative to core axis, and, where possible, the orientation of mineralized veins relative to a reference plane calculated for the area. The Mineralization table captures visual percentage veining, sulphide and oxide minerals. The geotechnical table records percentage recovery and rock quality determination for the entire hole and fracture intensity where warranted. Core specific gravity of mineralized material as well as basic rock types is routinely measured, using a balance and measuring the weight of core in air and in water.

Core sample assay intervals are broken at lithological contacts and at significant mineralization changes. The logging geologist marks the sample intervals within the major rock types outside of the mineralized zones which are typically 2-3 m in length. Sample intervals within mineralized zones may range from 0.1 m to 1.0 m, based on consistency of mineralization and recovery, while some much broader zones that were not obviously mineralized are also included.

After logging, the core is digitally photographed and sawn in half lengthwise with a diamond saw. One half is returned to the core box for storage at Elsa and the other bagged for sample shipment. These drill holes have been assayed in select zones.

Once the samples are taken, approximately four to five individual samples are placed in sacks, placed and secured in wooden bins and direct shipped to ALS Laboratories Whitehorse for sample preparation with assay pulps shipped by the laboratory direct to their North Vancouver facility for analysis.

ALS Laboratory is accredited to ISO 17025 by Standards Council of Canada for a number of specific test procedures, including fire assay for gold and silver with atomic absorption and gravimetric finish; multi-element inductively coupled plasma optical emission spectroscopy; and atomic absorption assays for silver, copper, lead, and zinc.

Sample preparation consists of initial fine crushing of the sample to better than 70% passing 2 mm. A nominal 250 g split of this material is then pulverized to greater than 85% passing 75 µ and this portion used for analyses. Duplicate samples are prepared at the preparation facility by collecting a second 250 g split from the 2 mm crushed material where indicated.

Samples are analyzed for gold by fire assay and atomic absorption spectrometry on 30 g sub-samples and for a suite of 34 elements by four acid digestion inductively coupled plasma atomic emission spectroscopy (ICP-AES) on 0.5 g sub-samples.

Standard assay quality control procedures are implemented with each 20 sample batch including three control samples: a commercial Standard Reference Material (SRM), a blank, and a duplicate. The location of control samples (SRM, blank, and duplicate) in the sample stream is determined by the logging geologist and control samples are inserted when the core is prepared. The SRM is already processed to a pulp and inserted as ~50 to 100 g amounts. The blank is a commercially purchased dolomitic “landscape rock” and approximately 0.35 kg to 1.5 kg of the material is inserted into the sample stream. An

empty sample bag is inserted at the location of the duplicate and is prepared during sample preparation at the laboratory preparation facility and consists of a coarse reject split of the preceding sample.

The SRM material used in this program are shown in Table 1.

SRM	Ag (g/t)	S.D.	Au (g/t)	S.D.	Pb %	S.D.	Zn %	S.D.
PM1123	31	1.30	1.42	0.05				
PB137	111	2.10			2.62	0.09	2.69	0.12
KHP-W	270	10.00			3.06	0.07	1.79	0.05
PM1133	757	18.80						
PM1141	19	1.29	0.55	0.02				

Table 2 Standard Reference Material Used

Assay results for quality control samples are monitored for QAQC on an ongoing basis and each potential quality control failure is investigated and appropriate remedial action taken, including the re-assaying of batches containing abnormal quality control results.

2018 Drill Results

The locations of all drill holes including historic ones in the vicinity are shown in Figure 5.

The 2018 drill logs are presented in Appendix 2, and plots of lithology and silver grades results are shown in the following series of north-south vertical cross-sections as in Figures 9 - 11.

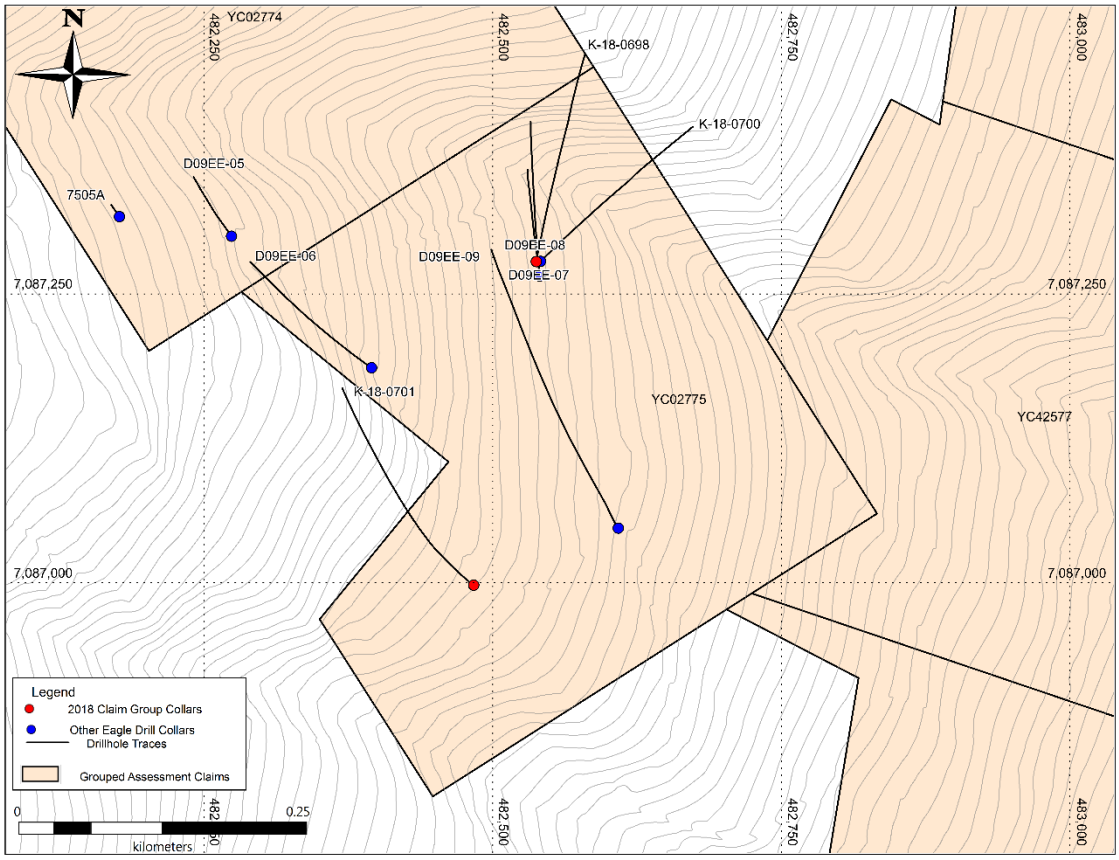

Figure 6 Location of Cross Sections N7086990, and N7087260

Section N7087260 includes drill hole K-18-0698 and K-18-0700. Both holes were collared in the Basal Quartzite which comprised mainly of quartzite with some interbedded graphitic schist and greenstone sills.

K-18-0698 intersected three structures: 211.21 – 212.64 m as 42cm of fault gouge with a slip contact against 1.01 m of a sphalerite-pyrite-pyrrhotite massive vein (Figure 7), 231.76 – 234.78 m as early quartz veining with lesser sphalerite-pyrite-pyrrhotite thin veinlets, and 238.63 – 243.41 m as fault gouge with pyrite and 1-5 cm fragments of quartzite. Occasional siderite+/- sphalerite thin veinlets are found between these structures.

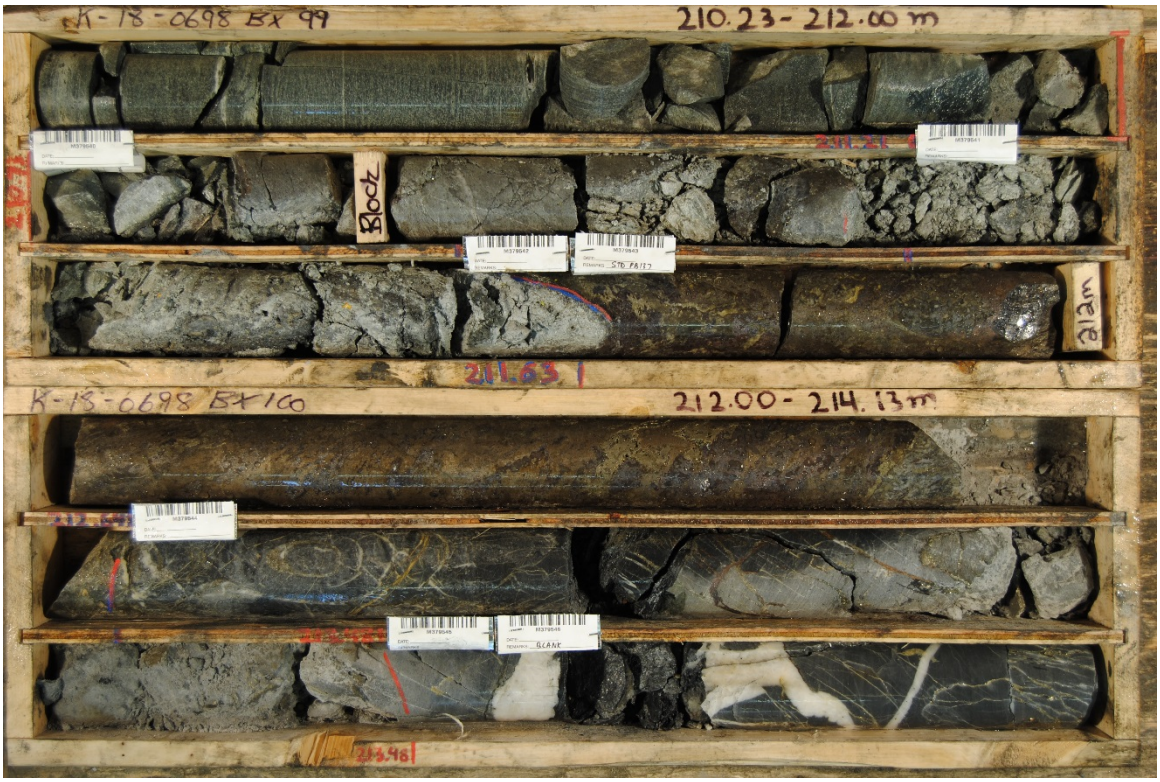

Figure 7 Eagle Vein in K-18-0698 as massive sphalerite, pyrite, and pyrrhotite from 211.63 – 212.64 m

K-18-0700 intersected the following structure: 286.90 – 287.73 m as sphalerite-pyrite-siderite veinlets and one sphalerite-pyrite-pyrrhotite-galena vein.

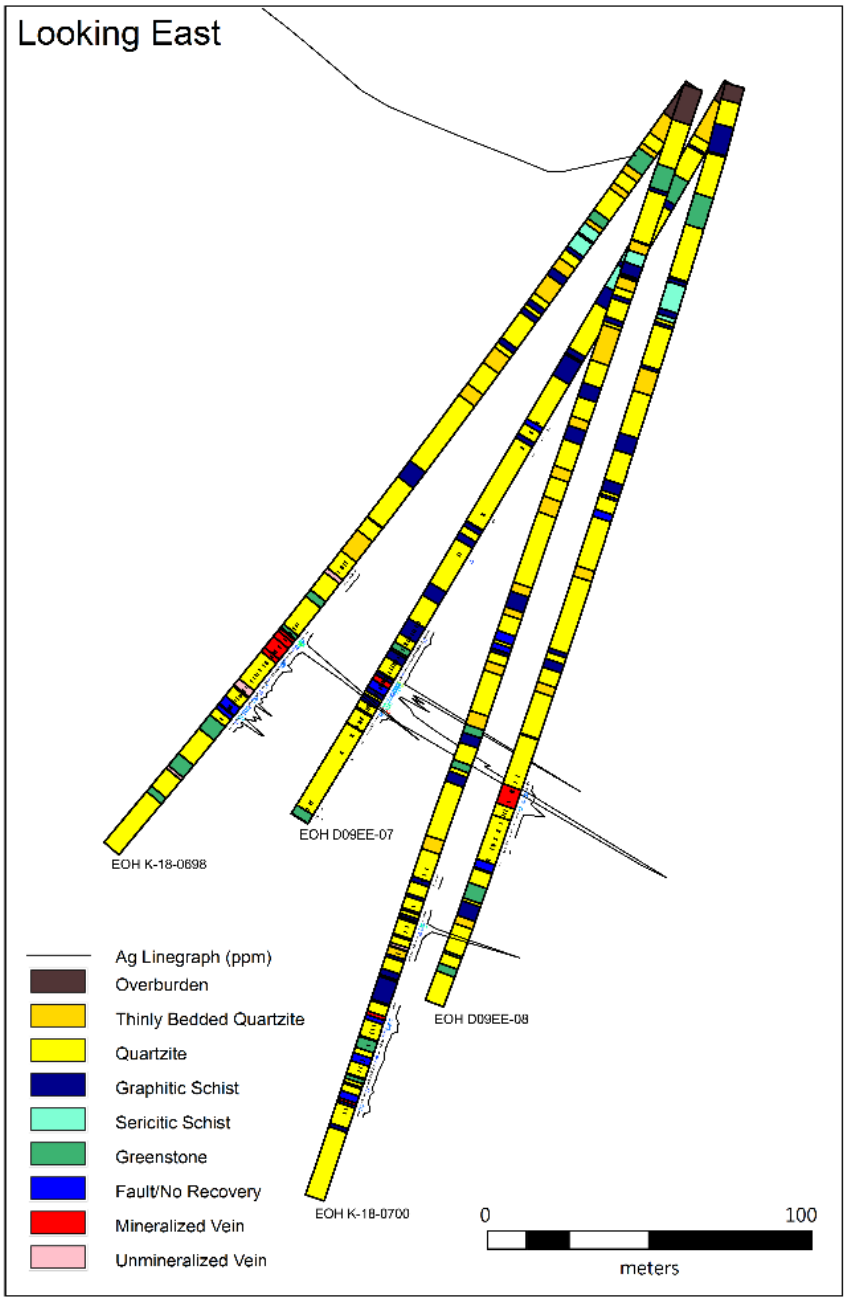

Figure 8 Cross Section N7087260 Looking East at Drill Holes K-18-0698 and K-18-0700

Section N7086990 includes drill hole K-18-0701 was collared in the Upper Quartzite and intersected the marker schist followed by Basal Quartzite, containing intercalated quartzite, graphitic and sericitic schist, and greenstone. It intersected two structural zones: an unmineralized fault at 438.00 - 443.13 m and a breccia of quartz-calcite, crosscut by massive sphalerite-galena veining at 503.42 - 503.68 m.

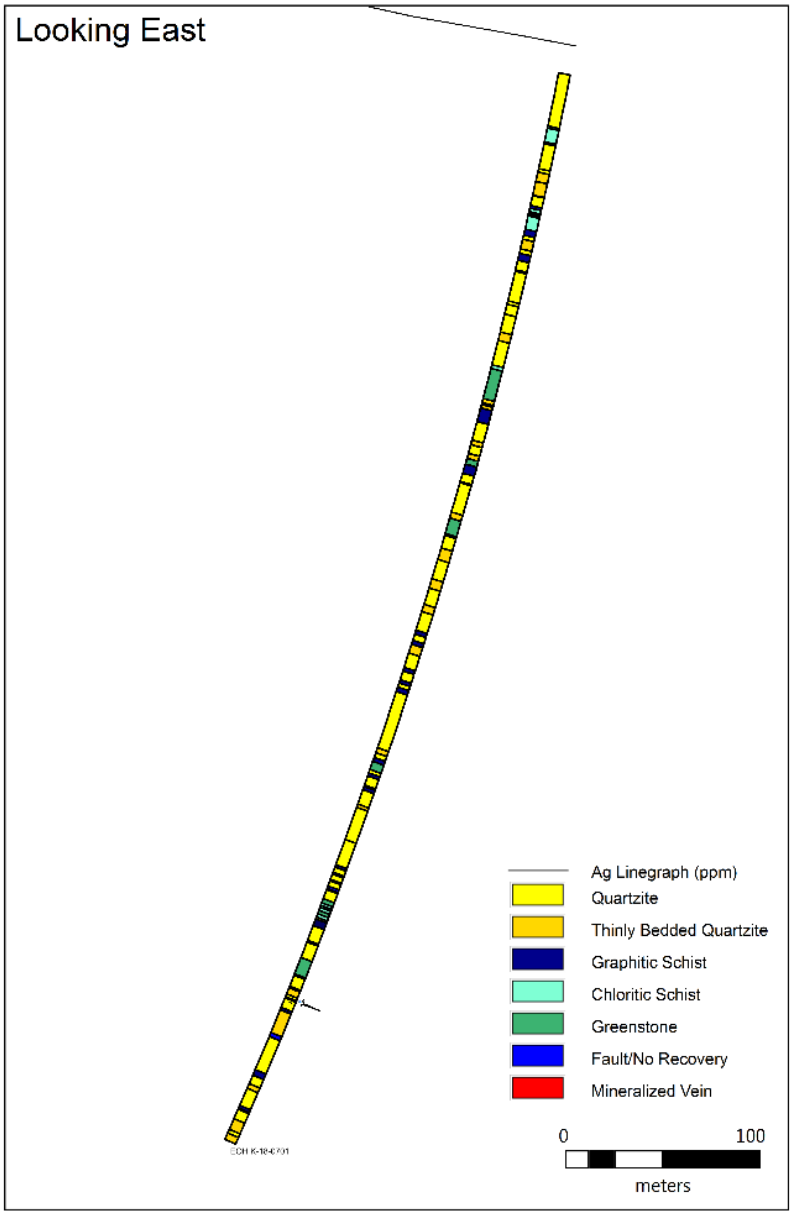

Figure 9 Cross Section N7086990Looking East at Drill Hole K-18-0701

9.0 DISCUSSION

Holes K-18-0698 and K-18-0700 were drilled to intersect the main Eagle Vein to follow up on a 301 g/t Ag intercept in Mega Precious Metals Inc's drill hole D09EE-07 from 210.73 – 212.64 m (Tupper, 2010). K-18-0698 encountered an interval of unmineralized fault gouge from 211.21 to 211.63 m. This is followed by a massive sphalerite, pyrite, pyrrhotite vein to 212.64 m which is interpreted as the main Eagle structure, assaying 310 g/t Ag between 211.21 – 212.64 m. Between 219.30 – 220.90 m K-18-0698 intersected a narrow weakly mineralized zone and associated fault assaying 21 g/t Ag over that interval. A strong structure of fault gouge was intersected from 238.63 – 243.41 m assaying 32 g/t Ag.

Hole K-18-0700 was drilled from the same drill-pad as K-18-0698 and intersected the Eagle Vein further to the east as a step-out. The stratigraphy can be correlated between drill holes. The Eagle Vein is interpreted to have been intersected from 286.90 – 287.73 m assaying 156 g/t over 0.83 m.

K-18-0701 was drilled to intercept the main Eagle Vein where it is hosted within the same package of thick-bedded quartzites that hosted the Hector-Calumet deposit. Near the target depth, the drill hole intersected a non-mineralized fault at 438.00 to 443.00 m, and a narrow mineralized, narrow vein-fault at 502.00 -504.00 m. It is considered likely that the structure at 438.00 m is a post-mineral fault, and that the drill hole passed through a structural omission in the main Eagle structure. Thus, the drill hole failed to intersect the target structure here. However, though this is considered the most likely explanation, the sparsity of data makes it difficult to be certain, and it is possible that the data could be explained in terms of a double stranded fault linkage, as observed elsewhere in the district. The intersection of multiple vein structures in nearby holes, as discussed above, may support this.

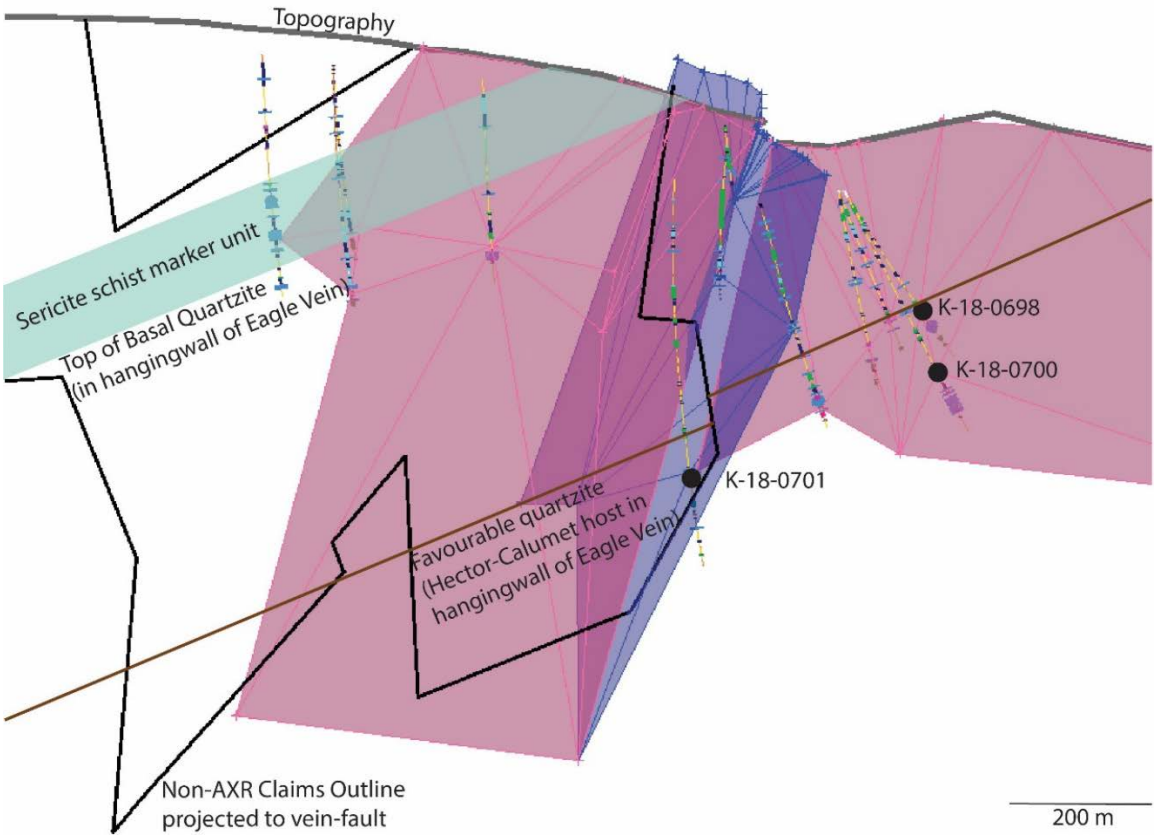

Figure 10 Vertical Longsection of the Eagle Vein (pink) and the offsetting Hector Fault (Blue) looking NW

10.0 CONCLUSIONS AND RECOMMENDATIONS

The shallow portion (<300 m depth) of the Eagle (west) Vein where it is hosted within the favourable Basal Quartzite member appears reasonably well-explored and has only returned a small number of weakly mineralized intercepts. It is therefore considered unlikely that a significant ore-body can be discovered here. However, the structure boasts significant displacement, and is projected at depth and along strike to the northeast to be situated within the thick-bedded quartzite dominated stratigraphy that hosted the Hector-Calumet mine. It is conceivable that in this mechanically competent package this, as interpreted at Hector-Calumet, would necessitate a structural geometry more conducive to ore-shoot generation. Further exploration is warranted to the east of current drilling.

10.0 LIST OF REFERENCES

Blackburn, L., (2013). Assessment Report Eagle Project, Keno Hill Silver District, Yukon Territory, Canada. For Benz Capital Corp prepared by Keno Hill Exploration Corp.

McOnie, A and P.B. Read., (2009). Stratigraphy, Structure and Exploration Opportunities Sourdough, Galena and part of Keno Hills, Keno Hill Mining Camp, Central Yukon. Internal Report Alexco Resource Corp.

Tupper, D.W., (2010). Eagle Project diamond Drilling Assessment Report, Keno Hill Area, Mayo Mining District, Yukon. For Avino Silver and Gold Mines Ltd.

APPENDIX 1 - STATEMENT OF EXPENDITURES

Drilling

Drill Hole	Total Hole	Metres on claims	Total Hole Contractor	Claim Contractor	Bits	Consumables	Fuel	Assay Samples	Assay Cost	**Total**
K-18-0698	298	298	$36,926.77	$36,926.77	$1,192.00	$8,344.00	$3,278.00	59	$2,174.15	**$51,973.92**
K-18-0700	384	299	$42,917.70	$33,417.68	$1,196.00	$8,372.00	$3,289.00	58	$2,137.30	**$48,469.98**
K-18-0701	584	284	$84,900.30	$41,287.13	$1,136.00	$7,952.00	$3,124.00	0		**$53,499.13**
Total				$111,631.58	$3,524.00	$24,668.00	$9,691.00		$4,311.45	**$153,943.03**
Average Rate/m					$4.00	$28.00	$11.00		$36.85	

Total Expenditure $153,943.03

Core Logging Codes

Lithology

Lith Code	Description
NR	No Recovery
OVB	Overburden
FLT	Fault
BX	Hydrothermal Breccia
SM	Stringer-mineralization
VL	Mineralized Veinlet
VM	Mineralized Vein
VN	Unmineralized Vein
QTZT	Quartzite
TQTZT	Thin Bedded Quartzite (Msq)
CQTZT	Calcareous Quartzite
GSCH	Graphitic Schist
SSCH	Sericite Schist
CHSCH	Chloritic Schist
CSCH	Calcareous Schist
SCH	Undifferentiated schist
GNST	Greenstone

Lithology Modifiers

a	argillaceous
c	calcareous
chl	chloritic
cty	cherty
g	graphitic
m	massive (quartzite or schist)
mb	Medium bedded 30-120 cm bands of QTZT, GSCH
s	sericitic
tkb	Thick bedded >120 cm bands of QTZT,GSCH
tnb	Thin bedded <30 cm bands of QTZT, GSCH

Bedding Thickness

Medium	0.1 - 0.3m
Thick	0.3 - 1m
Thin	< 10mm - 0.1m
Very Thick	> 1m

Grain Size

Coarse	> 2mm
Fine	< 0.06mm
Medium	0.06 - 2mm

Vein Stage

1 - V/B Qtz	Qtz cemented breccia,vein(let) +/- Py-Asp
10 - V/B Qtz	Qtz vein or encrusted Bx clasts (to 80%), minor banded carbonate
11 - V/B Cal	Massive Cal vein, cemented Bx, vug infill.
2 - V/B (m) Sd	Sd vein(let) (>80%), cemented Bx, Qtz (5-20%), minor Asp, Py, Sp, rare Gn, Cp
3 - V/B (m) Sp	Dark Sp vein(let), cemented Bx, vug infill, minor Cp, Po, Py, Gn, Qtz
4a - V Py- (m) Sp	Py vein(let), massive Sp (to 70%), Sd and Py (to 30%), minor Asp, Sp, Gn, carbonate
4b - V Qtz	Minor stage Qtz veinlet, minor Py, Asp, Gn
5 - V (m) Sd-Gn	Minor Sd vein(let) with minor Gn, rare Sp
6 - V (m) Sd	Qtz (to 20%), coarse Sd, minor Py, Cp, Sp, Gn
7 - V (m) Sp	Light Sp massive veins, minor Qtz, Py, Cp, Gn, Ag
8 - V/B (m,f) Gn	Massive Gn (to 80%) vein, Bx matrix, in shears, vug infill. Qtz (5-20%), Py (to 10%), minor carbonate, Asp, Cp, Ag
9 - V/B Sp-(b) Sd-Sp-Gn	Irregular rhymthic banded/brecciated Sp-Sd (to 20%), minor Py, Po, Gn.

Vein Texture

ba	Banded (Rhythmic)
bxm	Breccia matrix
cg	Coarse grained (euhedral)
fg	Fine grained (anhedral)
m	Massive
pr	Prismatic
vu	Vuggy

Structure

AP	axial plane
BD	bedding
BR	breccia
BU	boudin
CT	contact (identify type)
DMB	Disseminated Mineral Banding (replacement style)
FA	fold axis
FCL	fracture cleavage
FLD	fold
FLT	fault
FN	foliation
FR	fracture (open space)
FRZ	fracture zone
FZN	fault zone
JN	joint (parting)
LN	lineation
ME	mineral elongation
MRZ	mechanical rubble zone
PA	phenocrysts alignment
PC	plication
RZ	rubble zone
SH	shear
SHZ	shear zone
STR	stringer/stringer zone (<1cm)
U	unconformity
VB	vein banding
VM	vein - mineralized
VN	vein (>10cm)
VNLT	veinlet (1-10cm)
VNZ	vein zone
VRG	vergence

APPENDIX 3 - DRILL LOGS

2018 DRILL COLLARS

All holes completed by Boart Longyear Limited

Hole	East UTM (m)	North UTM (m)	Elevation (m)	Total Depth (m)	claim	Azimuth	Dip	Date Started	Date Completed	Hole Size
K-18-0698	482537.756	7087277.928	1116.111	298	Ag	010	-54	7/7/2018	7/12/2018	HQ
K-18-0700	482541.454	7087278.200	1115.858	384	Ag	040	-64	7/12/2018	7/20/2018	HQ
K-18-0701	482483.591	7086997.902	1130.577	584	Ag	305	-72	7/21/2018	8/7/2018	HQ

K-18-0698

Surveys

Hole	Depth m	Pull Back	Code	Raw Azimuth	Correction Factor	Corrected Azimuth	Dip	Mag Field	Temp	Roll	Date Surveyed	Instrument
K-18-0698	0		1			10	-54					
K-18-0698	26	6	1	351.9	20	11.9	-53.7	5745	18.9	238.8	7/8/2018	Reflex
K-18-0698	50	6	1	351.7	20	11.7	-53.6	5719	21.1	300.7	7/8/2018	Reflex
K-18-0698	74	6	1	352.4	20	12.4	-53.6	5718	19.7	205.4	7/8/2018	Reflex
K-18-0698	98	6	1	353	20	13	-53	5721	13.8	292.4	7/9/2018	Reflex
K-18-0698	122	6	1	353.2	20	13.2	-52.7	5717	18.6	351.8	7/9/2018	Reflex
K-18-0698	146	6	1	353.3	20	13.3	-52.2	5723	14.7	0.9	7/9/2018	Reflex
K-18-0698	170	6	1	353.9	20	13.9	-51.5	5716	11.3	275.3	7/9/2018	Reflex
K-18-0698	194	6	1	354.5	20	14.5	-51.1	5710	15.6	199.9	7/10/2018	Reflex
K-18-0698	218	6	1	351.5	20	11.5	-50.4	5991	12.7	338.1	7/10/2018	Reflex
K-18-0698	242	6	1	354.3	20	14.3	-50.2	5705	11.7	130.4	7/11/2018	Reflex
K-18-0698	266	6	1	354.7	20	14.7	-49.3	5716	11.2	336.1	7/11/2018	Reflex
K-18-0698	290	6	1	355.5	20	15.5	-49	5724	11.1	267.5	7/12/2018	Reflex

Geotech

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0698	0	11.85	11.85	0	0			Overburden.
K-18-0698	11.85	14	2.15	2.13	99.07	0.16	7.44	
K-18-0698	14	17	3	2.27	75.67	0.27	9	
K-18-0698	17	20	3	2.72	90.67	0.3	10	
K-18-0698	20	23	3	3.09	103	0.77	25.67	
K-18-0698	23	26	3	3	100	0.54	18	
K-18-0698	26	29	3	2.82	94	1.61	53.67	
K-18-0698	29	32	3	2.9	96.67	1.87	62.33	
K-18-0698	32	35	3	2.93	97.67	0.21	7	
K-18-0698	35	38	3	2.96	98.67	1.35	45	
K-18-0698	38	41	3	2.78	92.67	0.82	27.33	
K-18-0698	41	44	3	3.1	103.33	0.78	26	
K-18-0698	44	47	3	3.15	105	1.32	44	
K-18-0698	47	50	3	2.93	97.67	1.33	44.33	
K-18-0698	50	53	3	2.82	94	1.45	48.33	
K-18-0698	53	56	3	2.96	98.67	0.52	17.33	
K-18-0698	56	59	3	2.97	99	1.4	46.67	
K-18-0698	59	62	3	2.9	96.67	0.47	15.67	
K-18-0698	62	65	3	2.96	98.67	1.33	44.33	
K-18-0698	65	68	3	2.76	92	1.77	59	
K-18-0698	68	71	3	2.98	99.33	1.17	39	
K-18-0698	71	74	3	2.78	92.67	1.1	36.67	
K-18-0698	74	77	3	2.85	95	0.65	21.67	
K-18-0698	77	80	3	2.92	97.33	0.5	16.67	
K-18-0698	80	83	3	2.95	98.33	1.2	40	
K-18-0698	83	86	3	2.86	95.33	1.21	40.33	
K-18-0698	86	89	3	2.72	90.67	0.68	22.67	
K-18-0698	89	92	3	2.99	99.67	2.62	87.33	
K-18-0698	92	95	3	2.92	97.33	2.53	84.33	
K-18-0698	95	98	3	2.82	94	0.99	33	
K-18-0698	98	101	3	2.95	98.33	1.14	38	
K-18-0698	101	104	3	3.02	100.67	1.2	40	
K-18-0698	104	107	3	3.03	101	0.94	31.33	
K-18-0698	107	110	3	2.82	94	0.75	25	
K-18-0698	110	113	3	3	100	2.15	71.67	
K-18-0698	113	116	3	2.92	97.33	1.57	52.33	
K-18-0698	116	119	3	2.96	98.67	1.19	39.67	
K-18-0698	119	122	3	2.92	97.33	1.67	55.67	
K-18-0698	122	125	3	3	100	2.03	67.67	
K-18-0698	125	128	3	2.8	93.33	2.11	70.33	
K-18-0698	128	131	3	3	100	2.21	73.67	
K-18-0698	131	134	3	2.86	95.33	1.77	59	
K-18-0698	134	137	3	3.02	100.67	0.84	28	
K-18-0698	137	140	3	3	100	1.26	42	
K-18-0698	140	143	3	2.99	99.67	1.05	35	
K-18-0698	143	146	3	2.98	99.33	1.41	47	
K-18-0698	146	149	3	2.96	98.67	0.66	22	
K-18-0698	149	152	3	2.92	97.33	0.11	3.67	
K-18-0698	152	155	3	3.04	101.33	1.02	34	
K-18-0698	155	158	3	3.01	100.33	0.94	31.33	
K-18-0698	158	161	3	2.99	99.67	1.99	66.33	
K-18-0698	161	164	3	2.97	99	0.65	21.67	
K-18-0698	164	167	3	3.04	101.33	0.54	18	
K-18-0698	167	170	3	3.03	101	1.59	53	
K-18-0698	170	173	147	2.91	1.98	1.26	0.86	
K-18-0698	173	176	3	3	100	0.24	8	
K-18-0698	176	179	3	2.98	99.33	0.49	16.33	
K-18-0698	179	182	3	2.69	89.67	0.45	15	
K-18-0698	182	185	3	2.82	94	0.73	24.33	
K-18-0698	185	188	3	2.74	91.33	0.93	31	
K-18-0698	188	191	3	2.79	93	1.14	38	
K-18-0698	191	194	3	2.93	97.67	0.74	24.67	

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0698	194	197	3	3.03	101	0.94	31.33	
K-18-0698	197	200	3	2.87	95.67	2.64	88	
K-18-0698	200	203	3	2.64	88	0.93	31	
K-18-0698	203	206	3	3.06	102	1.77	59	
K-18-0698	206	209	3	3.02	100.67	2.08	69.33	
K-18-0698	209	212	3	2.74	91.33	1.36	45.33	
K-18-0698	212	215	3	2.68	89.33	2.15	71.67	
K-18-0698	215	218	3	2.88	96	1.97	65.67	
K-18-0698	218	221	3	2.89	96.33	1.16	38.67	
K-18-0698	221	224	3	2.92	97.33	1.92	64	
K-18-0698	224	227	3	2.93	97.67	2.3	76.67	
K-18-0698	227	230	3	2.77	92.33	1.72	57.33	
K-18-0698	230	233	3	2.92	97.33	1.59	53	
K-18-0698	233	236	3	2.69	89.67	2.04	68	
K-18-0698	236	239	3	2.83	94.33	1.94	64.67	
K-18-0698	239	242	3	2.51	83.67	0.31	10.33	
K-18-0698	242	245	3	3.01	100.33	0.37	12.33	
K-18-0698	245	248	3	2.87	95.67	1.98	66	
K-18-0698	248	251	3	3.02	100.67	2.66	88.67	
K-18-0698	251	254	3	2.87	95.67	1.5	50	
K-18-0698	254	257	3	2.89	96.33	1.74	58	
K-18-0698	257	260	3	3.08	102.67	2.43	81	
K-18-0698	260	263	3	2.96	98.67	2.21	73.67	
K-18-0698	263	266	3	2.82	94	1.69	56.33	
K-18-0698	266	269	3	2.99	99.67	2.15	71.67	
K-18-0698	269	272	3	2.87	95.67	2.52	84	
K-18-0698	272	275	3	3.05	101.67	2.28	76	
K-18-0698	275	278	3	3.01	100.33	1.82	60.67	
K-18-0698	278	281	3	2.99	99.67	2.56	85.33	
K-18-0698	281	284	3	2.9	96.67	2.29	76.33	
K-18-0698	284	287	3	2.95	98.33	1.88	62.67	
K-18-0698	287	290	3	2.88	96	2.31	77	
K-18-0698	290	293	3	2.9	96.67	2.87	95.67	
K-18-0698	293	296	3	2.98	99.33	1.71	57	
K-18-0698	296	298	2	2.31	115.5	2.05	102.5	

Lithology

Hole	From m	To m	Lith1	Lith1 Pct	Lith2	Lith2 Pct	Mod1	Grain Size	Colour	Bedding Thickness	Comments
K-18-0698	0	12	OVB								
K-18-0698	12	19.52	TQTZT	100			g	Fine	medium grey	Very Thick	Moderately oxidized quartzite with thin beds of leached quartzite and graphitic schist.
K-18-0698	19.52	23.43	QTZT	100				Fine	medium grey	Very Thick	Weakly to moderately oxidized quartzite with rare beds pf leached quartzite, few quartz stringers are present throughout the zone.
K-18-0698	23.43	25.29	TQTZT	100			g	Fine	medium grey	Very Thick	Moderately fractured zone of interbedded quartzite and graphitic schist.
K-18-0698	25.29	31.68	GNST	100				Fine	green	Very Thick	Rusty brown colour on the greenstone joint surface shows weak oxidation, minor siderite with trace sphalerite.
K-18-0698	31.68	34.28	TQTZT	100			g	Fine	medium grey	Very Thick	Vuggy and rusty brown colour quartzite shows moderate oxidation with thin beds of graphitic schist and leached quartzite.
K-18-0698	34.28	38.54	QTZT	100				Fine	medium grey	Very Thick	Light to medium grey oxidised quartzite woth significant vuggy quartz stringers, few beds of leached quartzite are present.
K-18-0698	38.54	40.77	TQTZT	100			g	Fine	medium grey	Very Thick	Vescicles (vugs) and orange-brown rusty colour is dominant in this zone showing moderate oxidation, beds of leached quartzite and graphitic schist are present throughout the run with rare siderite stringers.
K-18-0698	40.77	48.92	QTZT	100				Fine	medium grey	Very Thick	Moderate to highly oxidized interval with quartz veinlets and stringers, rare siderite stringers are present in few spots.
K-18-0698	48.92	52.25	GNST	100				Fine	green-grey	Very Thick	Oxidized greenstone sill with a few quartz stringers.
K-18-0698	52.25	53.88	TQTZT	100			g	Fine	medium grey	Very Thick	Quartzite with thin beds of graphitic and sericitic schist, whole zone is moderately oxidized.
K-18-0698	53.88	57.33	SSCH	100			s	Fine	green	Very Thick	Moderately oxidized zone of sericitic schist with vuggy quartz veinlets and stringers, rare siderite stringers are present.
K-18-0698	57.33	57.94	GSCH	100			g	Fine	dark grey	Very Thick	Thin bed of graphitic schist with few vuggy quartz veinlets.
K-18-0698	57.94	62.77	SSCH	100			s	Fine	green	Very Thick	Weak to moderately oxidized sericite schist with vuggy quartz veinlets and stringers, rare siderite stringers are present.
K-18-0698	62.77	64.13	GSCH	80	SSCH	20	g	Fine	green-grey	Very Thick	Interbedded graphitic and sericitic schist with rusty brown coloured quartz veinlets and stringers showing oxidation.
K-18-0698	64.13	67.26	QTZT	100				Fine	medium grey	Very Thick	Medium grey quartzite with thin beds of leached quartzite, vuggy quartz stringer showing moderate oxidation.
K-18-0698	67.26	71	TQTZT	100			g	Fine	medium grey	Very Thick	Interbedded quartzite, graphitic schist and leached quartzite, quartz stringers are mostly vuggy.
K-18-0698	71	73.75	GSCH	100			g	Fine	dark grey	Very Thick	Graphitic schist with few vuggy quartz stringers, minor siderite stringers are present throughout the interval.
K-18-0698	73.75	80.73	TQTZT	100			g	Fine	medium grey	Very Thick	Leached quartzite, rusty brown and vuggy quartz stringers showing moderate oxidation in this interval, hydrothermal siderite stringers brecciated the quartzite from 78.65 to 78.88m.
K-18-0698	80.73	83.07	QTZT	100				Fine	grey	Very Thick	Quartzite with rare beds of grahitic schist, quartz stringers and minor siderite stringers are present throughout the interval, weakly oxidized zone.
K-18-0698	83.07	84.88	GSCH	100			g	Fine	dark grey	Very Thick	Non-mineralized quartz vein and few quartz stringers are present in graphitic schist.
K-18-0698	84.88	86.34	QTZT	100				Fine	grey	Very Thick	Weak to moderately oxidized quartzite with dominant quartz veinlets and few siderite stringers.
K-18-0698	86.34	88.06	GSCH	100			g	Fine	dark grey	Very Thick	Moderately oxidised zone, mostly quartz stringers are vuggy due to the effect of leaching and oxidation.
K-18-0698	88.06	97.88	QTZT	100				Fine	medium grey	Very Thick	Moderate to strongly oxidized zone from 88.06 to 88.76m includes a small fault @ 88.60m, mostly quartzite with minor beds of graphitic schist in few spots, quartz and calcite stringers with very minor siderite stringers are present throughout the interval.
K-18-0698	97.88	99.73	GSCH	100			g	Fine	dark grey	Very Thick	Dark grey graphitic schist with mostly calcite stringers, 2 thick beds of quartzite (more than 20 cm thickness) are present with few quartz stringers.
K-18-0698	99.73	101.57	QTZT	100				Fine	grey	Very Thick	Mostly quartzite with one single bed (28cm thickness) of graphitic schist, most stringers are of calcite in graphitic schist, quartz stringers are most in quartzite.
K-18-0698	101.57	107.51	TQTZT	100			g	Fine	medium grey	Very Thick	Medium grey graphitic scchist with thin beds of quartzite, quartz stringers are common, few siderite and calcite strinngers are present in the graphitic schist beds.
K-18-0698	107.51	115.63	QTZT	100				Fine	medium grey	Very Thick	Medium grey quartzite with few quartz non mineralized veins and veinlets, few calcite stringers are present in the interval.
K-18-0698	115.63	120.08	TQTZT	100			g	Fine	medium grey	Very Thick	Interbedded quartzite and graphitic schist wiuth calcite and quartz stringers.
K-18-0698	120.08	145.6	QTZT	100				Fine	medium grey	Very Thick	Light ot medium grey quartzite with very minor beds of graphitic schist in few intervals,, few calcite and minor siderite stringers are present throughout the zone, disseminated pyrite are common in quartz veins and veinlets.
K-18-0698	145.6	151.81	GSCH	100			g	Fine	dark grey	Very Thick	Dark grey to black graphitic schist with very minor beds of quartzite, caclite stringers are commmon throughout the interval.
K-18-0698	151.81	167.32	QTZT	100			g	Fine	medium grey	Very Thick	Medium grey quartzite with minor beds of graphitic schist, mosty quartz veinlets and stringers with fewer calcite stringers, 3 small faults at 155.98, 163.01 and 164.81m in this interval.
K-18-0698	167.32	167.65	FLT	100			g		dark grey	Medium	Graphitic schist gouge with puggy quartz and a few broken clasts of quartz (granule to cobble size).
K-18-0698	167.65	172.62	QTZT	100				Fine	medium grey	Very Thick	Medium grey coloured quartzite with quartz stringers, most of the quartz stringers are vuggy, few quartzite beds are leached.
K-18-0698	172.62	180.84	TQTZT	100			g	Fine	dark grey	Very Thick	Interbedded quartzite and graphitic schist with minor quartz and calcite stringers.
K-18-0698	180.84	187.74	QTZT	100				Fine	medium grey	Very Thick	Medium grey quartzite with few quartz stringers, metamoprhosed quartz is common in few intervals, very thin siderite strigers (hair like), hydrothermal pyrite and thin siderite stringers starts from 184.25 to 185.00m which includes sphalerite and minor galena.
K-18-0698	187.74	189.27	VN	100							Non-mineralized quartz vein with disseminated pyrite and a few patches of sphalerite (mm).
K-18-0698	189.27	196.34	QTZT	100			g	Fine	medium grey	Very Thick	Medium grey quartzite with minor beds of graphitic schist, quartz stringers are common in this zone, alteration from less siliceous quartzite to highly siliceous quatzite at the end of this zone (195.64 to 196.34m) due to the intrusion of greenstone sill right after this zone.
K-18-0698	196.34	198.84	GNST	100				Fine	green	Very Thick	Few calcite and minor quartz stringers in the greenstone sill, disseminated pyrite is present throughout the interval.
K-18-0698	198.84	209.96	QTZT	100			g	Fine	medium grey	Very Thick	Medium grey quartzite with few quartz stringers, hairline siderite stringers with few patches of sphalerite (mm scale), moderately pyritic.
K-18-0698	209.96	211.21	GNST	100				Fine	green	Very Thick	Few siderite stringers in the greentone sill which hosted sphalerite as patches (mm scale), alteration of greenstone sill at the end of the interval before the start of fault.
K-18-0698	211.21	211.63	FLT	100							Section is a combination of brecciated greenstone sill and fault gouge (grennstone sill too) with a few broken clasts of greenstone sill, fault gouge includes fine grained crushed pyrite.
K-18-0698	211.63	212.64	VM	100				Fine	brown-grey	Thick	Massive mineralized vein which contains significant pyrite, pyrrhotite, sphalerite and less galena.
K-18-0698	212.64	214.9	SM	100	QTZT			Fine	grey	Very Thick	Hydrothermal pyrite intruded into the quartzite fracture, few pyrite stringers are filled with sphalerite, hairline siderite strinegrs are common throughout the interval.
K-18-0698	214.9	219.3	SM	100	GSCH		g	Fine	dark grey	Very Thick	Medium to dark grey graphitic schist with minor beds of quartzite, whole interval is intruded with several pyritic and sideritic stringers, most of these stringers have sphalerite in common.
K-18-0698	219.3	220.9	SM	100	QTZT			Fine	medium grey	Very Thick	Medium grey quartzite with enough patches (mm to cm) of sphalerite and pyrite from 219.84 to 220.16m, siderite stringers are common with a few pyritic stringers.
K-18-0698	220.9	231.76	QTZT	100				Fine	medium grey	Very Thick	Medium grey quartzite with significant siderite stringers which brought sphalerite in most of the stringers, a few pyite stringers are present in the whole interval, disseminiated sphalerite is present in some spots, disseminated pyrite is common throughout the interval.
K-18-0698	231.76	234.28	VN	100	VL						Non-mineralized quartz vein with sphalerite veinlets @ 232.55, 232.85 and 233.71m respectively, patches of sphalerite (mm) are common in this zone.

Hole	From m	To m	Lith1	Lith1 Pct	Lith2	Lith2 Pct	Mod1	Grain Size	Colour	Bedding Thickness	Comments
K-18-0698	234.28	234.78	VL	100	VN						Massive pyrite veinlet @ 234.69m including majorly pyrite and pyrrhotite, siderite stringer @ 234.38m containing significant sphalerite.
K-18-0698	234.78	238.63	QTZT	100			g	Fine	medium grey	Very Thick	Medium grey quartzite with minor beds of graphitc schist, pyritic stringers are common, a few siderite stringers are present too, disseminatd pyrite amd sphalerite are present throughout the inteval, in a few pyrite stringers; sphalerite is present as patches (mm to cm).
K-18-0698	238.63	241.62	FLT	100				Fine	dark grey	Very Thick	graphitic schist, quartzite and quartz vein gouge with puggy quartz and broken clasts of quartzite, fine to medium grained crushed pyrite is mixed with fault gouge, brecciated quartzite with a few pyrite intrusions, fine grained sphalerite is also present in a few spots,
K-18-0698	241.62	242	NR	100							
K-18-0698	242	243.41	FLT	100				Fine	dark brown	Very Thick	As previous fault lithology.
K-18-0698	243.41	246.25	QTZT	100			g	Fine	medium grey	Very Thick	Medium grey quartzite with thin beds of graphitic schist, non mineralized quartz vein from 245.03 to 245.85m after there is bed of siliceous quartz, disseminated pyrite is present throughout the interval.
K-18-0698	246.25	251.64	GNST	100				Fine	green	Very Thick	A few calcite stringers in the greenstone sill with very minor beds of quatzite in a few spots.
K-18-0698	251.64	261.71	QTZT	100				Fine	medium grey	Very Thick	Starting with dark grey coloured quartzite from 251.64 to 255.00m; more siliceous quartzite starts after that and continur till the end of this zone with minor beds of graphitic schist, quartz stringers are common in this zone with very few pyrite sringers @ 257.93m.
K-18-0698	261.71	266.66	GNST	100				Fine	green-grey	Very Thick	Alteration of greenstone to greyish greenstone from 261.71 to 264.92 with rare quartz stringers, non mineralized quartz vein from 265.28 to 265.50m.
K-18-0698	266.66	267.74	VN	100							Non-mineralized quartz vein.
K-18-0698	267.74	275	QTZT	100				Fine	light grey	Very Thick	Highly silicified quartzite bed with minor quartz stringers; a few pyrite stringers @ 273.24m.
K-18-0698	275	277.28	GNST	100				Fine	green	Very Thick	Fine grained greenstone sill with a few calcite and quartz stringers, disseminated pyrite is present throughout the zone.
K-18-0698	277.28	298	QTZT	100				Fine	grey	Very Thick	Light grey highly siliceous quartzite beds from 277.28 to 282.71, 285.95 to 293.00m and 295.41 to 296.80m respectively including quartz veinlets and stringers; pyrite stringer @ 288.61m, grey quartzite with thin beds of graphitic schist from 282.71 to 285.60 and 293.00 to 295.34m. EOH.

Mineralization

Hole	From m	To m	Recovery m	O Limonite Int	M Quartz	H Quartz	H Siderite	H Pyrite	H Pyrrhotite	H Sphalerite	D Pyrite	D Pyrrhotite	D Galena	D Sphalerite	Vein Interval Pct	Comments
K-18-0698	0	12														OVERBURDEN
K-18-0698	12	19.52		2							0.05					
K-18-0698	19.52	23.43		2							0.1					
K-18-0698	23.43	25.29		2							0.1					
K-18-0698	25.29	31.68		1							0					
K-18-0698	31.68	34.28		2							0.05					
K-18-0698	34.28	38.54		2							0.05					
K-18-0698	38.54	40.77		2							0					
K-18-0698	40.77	48.92		2												Moderate to strongly oxidized.
K-18-0698	48.92	52.25		1							0.01					
K-18-0698	52.25	53.88		2							0.1					
K-18-0698	53.88	57.33		1							0.01					
K-18-0698	57.33	57.94		2							0.3					
K-18-0698	57.94	62.77		2							0.01					
K-18-0698	62.77	64.13		2							0.1					
K-18-0698	64.13	67.26		2							0.1					
K-18-0698	67.26	71		1							0.05					
K-18-0698	71	73.75		2							0.01					
K-18-0698	73.75	80.73		2							0.001					
K-18-0698	80.73	83.07		1							0.01					
K-18-0698	83.07	84.88									0.001					
K-18-0698	84.88	86.34		1							0.05					
K-18-0698	86.34	88.06		2							0.2					
K-18-0698	88.06	97.88		2							0.1					
K-18-0698	97.88	99.73									0.1					
K-18-0698	99.73	101.57									0.2					
K-18-0698	101.57	107.51									0.1					
K-18-0698	107.51	115.63									0.01					
K-18-0698	115.63	120.08									0.1					
K-18-0698	120.08	145.6									0.05					
K-18-0698	145.6	151.81									0.1					
K-18-0698	151.81	167.32									0.2					
K-18-0698	167.32	167.65									0.1					FAULT
K-18-0698	167.65	172.62									0.1					
K-18-0698	172.62	180.84									0.1					
K-18-0698	180.84	182.86									0.1					
K-18-0698	182.86	183.7	0.84				1				0.3				1	Metamorphosed quartz vein and highly fractured quartzite with a few siderite stringers and a tiny fault, disseminated pyrite is common in this interval.
K-18-0698	183.7	184.69	0.96			1	2				1				3	Quartzite with siderite and a few pyrite stringers.
K-18-0698	184.69	185	0.3			2	5				3			0.9	7	One siderite veinlet brought significant pyrite and sphalerite, a few hairline siderite stringers include minor sphalerite.
K-18-0698	185	186.61	1.57			1	2				0.8			0.3	3	This zone starts with a tiny fault then its all quarztite zone with a few siderite and quartz stringers, pyrite is more common in the siderite stringers and less common is sphalerite.
K-18-0698	186.61	187.74	1				2	1			0.2				3	Rare pyrite intrusion in the quartzite, disseminated pyrite is common with a tiny fault at the end of this zone.
K-18-0698	187.74	189.27	1.4			60					0.2				60	Non-mineralized and metamorphosed quartz vein with disseminated pyrite.
K-18-0698	189.27	190.74	1.44			5	2				0.2				7	A few quartz stringers in the quartzite, patches of pyrite in thin beds of graohitic schist, disseminated pyrite throughout the zone.
K-18-0698	190.74	196.34									0.1					
K-18-0698	196.34	198.84									0.05					
K-18-0698	198.84	206.25									0.2					
K-18-0698	206.25	207.15	0.9			4		1			0.1			0.15	5	A few pyrite stringers are present, disseminated sphalerite @ 205.55.
K-18-0698	207.15	207.91	0.76		5	2	3				2			0.4	5	Siderite stringers are mosty filled by pyrite and minor sphalerite, patches (mm) of pyrite are common in the entire zone.
K-18-0698	207.91	209	1.03			2	0.5				0.2				2.5	Disseminated pyrite is present throughout the interval there is no visible major mineralization.
K-18-0698	209	209.96	0.91				1	3			1			1.2	4	Mostly hydrothermal pyrite intruded into the quartzite joints, these pyrite stringers include some sphalerite, minor siderite stringers are presen too.
K-18-0698	209.96	210.73	0.76			2	0.6				1			0.1	2.6	Rare siderite and quartz stringers, quartz stringer 209.96m includes significant pyrite and a few patches (mm) of sphalerite.

Hole	From m	To m	Recovery m	O Limonite Int	M Quartz	H Quartz	H Siderite	H Pyrite	H Pyrrhotite	H Sphalerite	D Pyrite	D Pyrrhotite	D Galena	D Sphalerite	Vein Interval Pct	Comments
K-18-0698	210.73	211.21	0.46				0.8	0.6			1			0.3	1.4	Altered greenstone inncludes powdered greenstonengouge with fine grained pyrite, a few competent blocks of altered greenstone have hairline stringers of siderite and pyrite; these stringers contain sphalerite.
K-18-0698	211.21	211.63	0.42					0.7			0.6			0.4	0.7	Altered greenstone gouge with mixture of fine grained crushed pyrite and rare sphalerite, brecciated and moderately competent block of greenstone includes pyrite stringers with minor patches (mm) of sphalerite.
K-18-0698	211.63	212.64	1					40	20	20					80	Massive mineralized pyrite vein including significant brownish purple coloured sphalerite and brassy coloured pyrrhotite, magnet attaraction confirm there is present of pyrrhotite.
K-18-0698	212.64	213.48	0.84					3			0.3			0.8	3	Pyrite intrusions as stringers are common throughout the zone, a few pyrite stringers includes significant sphalerite, tiny crushed quartzite fault gouge is present at the end of the zone which includes medium grained pyrite and trace sphalerite.
K-18-0698	213.48	214.9	1.27			1	1.5	4			1			0.5	6.5	Sigificant pyrite stringers are present throughout the zone which includes patches of sphaelrite (mm scale) in few spots of this zone, thin hair like siderite stringers are also common in this zone.
K-18-0698	214.9	216.31	1.37				3	1			0.6			0.3	4	Siderite stringers are more common than pyrite stringers, pyrite stringers are mostly present from 214.9 to 215m, patches of sphalerite are present in the siderite strinegsr with pyrite.
K-18-0698	216.31	218.05	1.66				2	1.5			0.8			0.5	3.5	A few pyrite and siderite stringers are present, patch of sphalerite (2X4cm) @ 216.36m, few more tiny patches (mm) are present in the siderite and pyrite stringers.
K-18-0698	218.05	218.67	0.61				4				2			0.8	4	Patches of sphalerite and pyrite (mm to cm) in metamorphosed quartz vein @ 218.12m, thick siderite stringer cross cut the metamorphosed quartz vein and few beds of graphitic schist; this siderite contains significant patches of sphalerite, disseminated sphalerite are present @ 218.07m.
K-18-0698	218.67	219.3	0.62				3				1			0.9	3	Quartzite with late fine-grained siderite stringers including pyite and sphalerite.
K-18-0698	219.3	219.52	0.22				3				0.6			0.5	3	FAULT - brecciated competent quartzite with minor siderite stringers which includes rare sphalerite.
K-18-0698	219.52	220.16	0.6			1		5		4	0.5				10	Brecciated with the intrusion of hydrothermal pyrite and sphalerite, cubic crystal habit of pyrite is clearly visible, patches of sphalerite ranges from dm to cm.
K-18-0698	220.16	220.9	0.73				4.5	1.5			0.5			0.3	6	Siderite stringers are common in this zone with a few patches of sphalerite, pyrite stringer @ 20.32m.
K-18-0698	220.9	222.48	1.47				2	0.7			0.4		0.05	0.3	2.7	Most of the stringers present in this zone are of siderite, tiny blebs of galena (mm) are present @ 221.22m, small patches of sphalerite are present in the siderite stringers.
K-18-0698	222.48	222.85	0.36			6	2	1			1.5			1	9	Quartz veinlet in the quartzite brought few patches of sphalerite and pyrite, siderite stringers at the end of this zone includes few tiny patches of sphalerite (dm to mm), hair like siderite strinegrs are common with disseminated pyrite.
K-18-0698	222.85	223.88	0.95				3	1			1			0.9	4	Disseminated sphalerite bands @ 222.85, 223.30 and 223.74m which inlcudes pyrite too, few siderite stringers are present in this zone.
K-18-0698	223.88	225.62	1.71			4	3				1			0.9	7	Quartzite with few siderite stringers; siderite stringers commonly includes sphalerite, disseminated pyrite is present throughout the zone.
K-18-0698	225.62	227	1.37				3	1		0.5	0.8			0.5	4.5	Hydrothermal siderite, pyrite and minor sphalerite is present in this zone, disseminated sphalerite @ 226.36m.
K-18-0698	227	227.71	0.68				3	3.5			0.8		0.1	0.5	6.5	Most of the hydrothermal intrusions into the quartzite joints are pyritic, few siderite (very thin hair like) stringers are present with sphalerite; patches of sphalerite varies from dm to cm with few tiny blebs of galena (mm).
K-18-0698	227.71	228.71	0.93			2	6				3			1.5	8	Hydrothermal siderite stringers brecciated the quartzite and also brought significant sphalerite into the stringers, disseminated sphalerite and pyrite is present @ 228.05m; few siderite stringers are moderate to strongly pyritic.
K-18-0698	228.71	230	1.23			4	3	2			1			0.8	9	A few quartz stringers later cut by siderite stringers which brought sphareite as patches (mm) into the quartzite fractures, pyrite stringer is present with minor sphalerite @ 229.40m.
K-18-0698	230	231.76	1.72			5	3	1		1	1.5			0.8	10	Disseminated band of sphalerite is present @ 230.07, 231.05 and 231.36m respectively, hydrothermal sphalerite stringers is present in few spots; minor hydrothermal pyrite stringer is present @ 230.00m, hairline siderite stringers are common in this zone, non mineralized quartz stringers are present throughot the zone with few blebs (mm) of sphalerite.
K-18-0698	231.76	232.6	0.83				4	2			0.5			0.2	6	Metamorphosed quartz vein later cut by siderite and rare pyrite stringers, patches of sphalerite varies in size from dm to cm are present in few spots.
K-18-0698	232.6	233.75	1.03				4			5	1.5			0.5	9	Intrusion of sphalerite veinlets into metamorphosed quartzite vein @ 232.90 and 233.66m, a few siderite stringers are present which includes significant pyrite and minor sphalerite.
K-18-0698	233.75	234.28	0.52			4	1	3			1			1.4	8	Hydrothermal pyritic stringers intruded in quartzite which includes sphalerite in its stringers, disseminated sphalerite is present @ 234.02 and 234.18m; disseminated pyrite is present throughout the zone.
K-18-0698	234.28	234.78	0.5					14	5		1.2			1	19	Massive pyrite veinlet @ 234.69m including majority of pyrite and pyrrhotite, siderite stringer @ 234.38m containing significant sphalerite.
K-18-0698	234.78	235.38	0.58				1				2			0.5	1	Patches of pyrite (mm to cm) inncluding rare sphalerite; a few thin siderite stringers are present.
K-18-0698	235.38	236	0.59				4	3			1			0.8	7	Siderite stringer cut across the graphitic schist beds @ 235.38m which includes more commonly pyrite and minor sphalerite; pyrite hydrothermal stringers are present @ 235.70m with minor sphalerite too.
K-18-0698	236	236.93	0.92				4	5			1			0.2	9	Pyrite hydrothermal stringers are more common with minor sphalerite; hairline siderite stringers are present throughout the zone.

Hole	From m	To m	Recovery m	O Limonite Int	M Quartz	H Quartz	H Siderite	H Pyrite	H Pyrrhotite	H Sphalerite	D Pyrite	D Pyrrhotite	D Galena	D Sphalerite	Vein Interval Pct	Comments
K-18-0698	236.93	237.87	0.92					4			1			1.2	4	Quartzite with pyrite stringers; pyrite stringers included significant sphalerite patches @ 237.05m, disseminated sphalerite is present @ 237.70m.
K-18-0698	237.87	238.63	0.7				0.7	3		0.3	0.9			1	4	Disseminated sphalerite is present throughout the interval, hydrothermal pyrite stringer is present throughout the interval; hydrothermal sphalerite is present @ 238.53m.
K-18-0698	238.63	239	0.36								1			0.2		FAULT - fine grained crushed graphitic schist gouge mixed with fine graned pyrite: patches of pyrite with traces of sphalerite on a fault gouge.
K-18-0698	239	240.05	1.02								2	1		1		Quartzite vein gouge with crushed pyrite and pyrrhotite; staining of sphalerite on the surface of quartz vein gouge.
K-18-0698	240.05	240.63	0.56								0.2					FAULT - graphitic schist gouge with some crushed pyrite grains.
K-18-0698	240.63	241.06	0.4					1			0.2			0.1	1	FAULT - brecciated quartzite with a few pyrite intrusion; minor staining of pyrite on brecciated quartzite.
K-18-0698	241.06	241.62	0.54								2			0.05		FAULT - graphitic schist gouge with broken quartzite; coarse grained pyrite is mixed with graphitic schist gouge, staining of sphalerite @ 241.21m.
K-18-0698	241.62	242	0													No recovery.
K-18-0698	242	243.41	1.41					2			1			0.5	2	FAULT - brecciated, broken and gougy quartzite with a mixture of crushed pyrite; pyrite stringers with rare sphalerite in the competent brecciated quartzite.
K-18-0698	243.41	245.05	1.54				1				0.1				1	A few siderite stringers and disseminted pyrite is present throughout the zone.
K-18-0698	245.05	246.25	1.18			40	2				1.5				42	Non-mineralized and metamophosed quartz vein later cut by a few siderite stringers which includes patches (mm) of pyrite; disseminated bands of pyrite are present @ 245.95 and 246.15m respectively.
K-18-0698	246.25	251.64									0.1					
K-18-0698	251.64	261.71						0.5			0.1					
K-18-0698	261.71	266.66									0.1					
K-18-0698	266.66	267.74									0.05					
K-18-0698	267.74	275						0.4			0.1					
K-18-0698	275	277.28									0.25					
K-18-0698	277.28	298						0.2			0.2					

Assays

DHSample	From m	To m	DHSample Type	Primary Sample	Au Best ppm	Ag Best ppm	As Best ppm	Cd Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm	Au FA ppm	Ag ICP ppm	Ag OL ppm	Pb ICP ppm	Pb OL pct	Zn ICP ppm	Zn OL pct	Al ICP pct	As ICP ppm	As OL pct	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP pct	Cd ICP ppm	Cd OL pct
M379525	182.86	183.7	HCORE		0.01	0.9	19	13.2	5	82	1130	0.01	0.9		82		1130		1.16	19		160	-0.5	-2	0.05	13.2	
M379526	183.7	184.69	HCORE		-0.01	2.4	126	74.7	28	106	5570	-0.01	2.4		106		5570		0.32	126		40	-0.5	-2	0.04	74.7	
M379527	184.69	185	HCORE		0.01	3.3	37	102	21	181	7620	0.01	3.3		181		7620		0.3	37		50	-0.5	2	0.03	102	
M379528			PB 137		0.04	112	98	216	1940	25400	26500	0.04	100	112	10000	2.54	10000	2.65	7.04	98		720	0.6	13	3.68	216	
M379529	185	186.61	HCORE		-0.01	0.9	20	27.1	14	99	2080	-0.01	0.9		99		2080		1.22	20		170	-0.5	-2	0.06	27.1	
M379530	186.61	187.74	HCORE		0.01	1	78	23.4	13	36	1930	0.01	1		36		1930		6.24	78		560	1.5	2	0.17	23.4	
M379531			BLANK		-0.01	-0.5	-5	-0.5	1	2	12	-0.01	-0.5		2		12		0.07	-5		20	-0.5	-2	33.2	-0.5	
M379532	187.74	189.27	HCORE		0.01	0.9	16	15.2	10	93	1370	0.01	0.9		93		1370		3.02	16		360	0.6	-2	0.14	15.2	
M379533	189.27	190.74	HCORE		0.09	-0.5	32	1.5	16	7	126	0.09	-0.5		7		126		5.06	32		820	1.2	-2	0.77	1.5	
M379534	189.27	190.74	DUP	M379533	0.01	-0.5	31	1.6	14	8	129	0.01	-0.5		8		129		5	31		810	1.2	-2	0.75	1.6	
M379535	206.25	207.15	HCORE		-0.01	-0.5	9	7.4	8	11	703	-0.01	-0.5		11		703		0.37	9		10	-0.5	-2	0.04	7.4	
M379536	207.15	207.91	HCORE		-0.01	0.5	48	19	10	14	1570	-0.01	0.5		14		1570		0.33	48		10	-0.5	-2	0.05	19	
M379537	207.91	209	HCORE		-0.01	-0.5	12	2	8	17	244	-0.01	-0.5		17		244		0.93	12		120	-0.5	-2	0.08	2	
M379538	209	209.96	HCORE		-0.01	3.8	110	124	31	120	9090	-0.01	3.8		120		9090		1.82	110		340	0.5	-2	0.06	124	
M379539	209.96	210.73	HCORE		0.02	15.5	63	45.2	27	1155	4990	0.02	15.5		1155		4990		7.43	63		480	0.8	-2	0.27	45.2	
M379540	210.73	211.21	HCORE		0.24	274	4330	239	49	26500	19300	0.24	100	274	10000	2.65	10000	1.93	6.46	4330		180	0.9	4	0.3	239	
M379541	211.21	211.63	HCORE		0.41	580	19050	555	150	61200	48000	0.41	100	580	10000	6.12	10000	4.8	4.73	10000	1.905	120	1.2	-2	0.32	555	
M379542	211.63	212.64	HCORE		0.56	198	13450	2390	303	9610	177000	0.56	100	198	9610		10000	17.7	0.23	10000	1.345	-10	-0.5	15	0.03	1000	0.239
M379543			PB 137		0.04	114	115	226	2080	25500	26600	0.04	100	114	10000	2.55	10000	2.66	7.36	115		790	0.6	10	3.94	226	
M379544	212.64	213.48	HCORE		0.02	13.5	690	253	68	316	18050	0.02	13.5		316		10000	1.805	0.51	690		60	-0.5	9	0.06	253	
M379545	213.48	214.9	HCORE		0.01	5.9	304	39	28	388	3650	0.01	5.9		388		3650		0.77	304		100	-0.5	2	0.07	39	
M379546			BLANK		-0.01	-0.5	-5	0.9	1	5	62	-0.01	-0.5		5		62		0.06	-5		20	-0.5	-2	33	0.9	
M379547	214.9	216.31	HCORE		-0.01	2	55	84.4	30	127	6730	-0.01	2		127		6730		4.66	55		350	1	-2	0.18	84.4	
M379548	216.31	218.05	HCORE		-0.01	4	44	93	37	241	7720	-0.01	4		241		7720		6.53	44		390	1.4	2	0.29	93	
M379549	218.05	218.67	HCORE		-0.01	6.4	52	353	64	217	31600	-0.01	6.4		217		10000	3.16	4.27	52		100	1	5	0.2	353	
M379550	218.67	219.3	HCORE		0.01	2.8	363	109	32	138	9560	0.01	2.8		138		9560		1.4	363		210	-0.5	-2	0.06	109	
M379551	219.3	219.52	HCORE		-0.01	25.5	397	279	57	289	22400	-0.01	25.5		289		10000	2.24	0.99	397		110	-0.5	2	0.09	279	
M379552	219.52	220.16	HCORE		0.02	26.4	825	887	128	503	71000	0.02	26.4		503		10000	7.1	0.34	825		30	-0.5	13	0.03	887	
M379553	220.16	220.9	HCORE		0.02	16	282	43.2	15	216	4180	0.02	16		216		4180		0.41	282		50	-0.5	-2	0.04	43.2	
M379554	220.9	222.48	HCORE		-0.01	3.2	83	38.2	22	214	3700	-0.01	3.2		214		3700		1.39	83		170	-0.5	-2	0.07	38.2	
M379555	222.48	222.85	HCORE		0.01	3	473	99.3	31	96	8530	0.01	3		96		8530		0.84	473		100	-0.5	5	0.06	99.3	
M379556	222.85	223.88	HCORE		0.01	1.5	44	93	35	45	7750	0.01	1.5		45		7750		5.14	44		600	1.3	-2	0.18	93	

M379557	223.88	225.62	HCORE		-0.01	2.1	192	75.1	27	73	7450	-0.01	2.1		73		7450		0.61	192		70	-0.5	3	0.08	75.1	
M379558	223.88	225.62	DUP	M379557	-0.01	2	170	72.6	27	74	7150	-0.01	2		74		7150		0.61	170		70	-0.5	-2	0.08	72.6	
M379559	225.62	227	HCORE		0.01	5.3	728	123	47	158	12200	0.01	5.3		158		10000	1.22	0.29	728		30	-0.5	3	0.04	123	
M379560	227	227.71	HCORE		0.01	3.3	134	30.8	25	50	3250	0.01	3.3		50		3250		0.28	134		30	-0.5	-2	0.04	30.8	
M379561	227.71	228.71	HCORE		-0.01	16.2	127	199	118	375	19350	-0.01	16.2		375		10000	1.935	2.07	127		230	0.5	5	0.09	199	
M379562	228.71	230	HCORE		-0.01	3.7	37	101	52	185	9480	-0.01	3.7		185		9480		1.08	37		100	-0.5	3	0.07	101	
M379563	230	231.76	HCORE		-0.01	13	33	160	73	290	16550	-0.01	13		290		10000	1.655	1.51	33		160	-0.5	-2	0.11	160	
M379564	230	231.76	DUP	M379563	-0.01	9.5	35	155.5	70	295	15550	-0.01	9.5		295		10000	1.555	1.69	35		180	-0.5	3	0.13	155.5	
M379565	231.76	232.6	HCORE		-0.01	2.7	29	57.7	30	100	5650	-0.01	2.7		100		5650		0.61	29		50	-0.5	-2	0.04	57.7	
M379566	232.6	233.75	HCORE		0.01	16.1	271	535	129	480	45700	0.01	16.1		480		10000	4.57	0.25	271		10	-0.5	10	0.02	535	
M379567	233.75	234.28	HCORE		-0.01	5.4	44	143	104	188	11600	-0.01	5.4		188		10000	1.16	3.79	44		210	1	-2	0.14	143	
M379568	234.28	234.78	HCORE		0.06	74.7	993	416	301	8040	30600	0.06	74.7		8040		10000	3.06	2.44	993		70	0.6	35	0.15	416	
M379569			PM 1133		0.23	753	172	113	2440	57900	6790	0.23	100	753	10000	5.79	6790		3.79	172		400	-0.5	4	2.19	113	
M379570	234.78	235.38	HCORE		-0.01	3.1	38	69.6	112	75	5460	-0.01	3.1		75		5460		9.41	38		470	1.9	2	0.36	69.6	
M379571	235.38	236	HCORE		0.12	3.8	63	103	128	103	8330	0.12	3.8		103		8330		8.21	63		200	1.7	-2	0.31	103	
M379572	236	236.93	HCORE		0.04	9.7	225	84.1	145	171	7150	0.04	9.7		171		7150		8.79	225		130	1.8	4	0.44	84.1	
M379573			BLANK		-0.01	-0.5	-5	1.1	4	2	85	-0.01	-0.5		2		85		0.14	-5		40	-0.5	-2	32.8	1.1	
M379574	236.93	237.87	HCORE		0.19	53.5	315	559	224	6190	50300	0.19	53.5		6190		10000	5.03	0.79	315		80	-0.5	21	0.19	559	
M379575	237.87	238.63	HCORE		0.08	19.4	593	570	191	778	55900	0.08	19.4		778		10000	5.59	0.21	593		-10	-0.5	5	0.15	570	
M379576	238.63	239	HCORE		0.06	45.3	142	291	98	845	23400	0.06	45.3		845		10000	2.34	3.36	142		150	1.1	2	0.14	291	
M379577	239	240.05	HCORE		0.1	21.9	610	345	135	745	27100	0.1	21.9		745		10000	2.71	2.89	610		50	0.7	18	0.15	345	
M379578	240.05	240.63	HCORE		-0.01	3.1	50	35	36	228	2950	-0.01	3.1		228		2950		11.4	50		1610	2.9	-2	0.36	35	
M379579	240.63	241.06	HCORE		0.16	102	1200	94.4	189	4630	9330	0.16	100	102	4630		9330		1.18	1200		120	-0.5	7	0.06	94.4	
M379580	241.06	241.62	HCORE		0.22	86.3	2760	33	103	943	3200	0.22	86.3		943		3200		1.85	2760		100	0.5	23	0.05	33	
	241.62	242	NR																									
M379581	242	243.41	HCORE		0.09	14	1900	103.5	71	263	10050	0.09	14		263		10000	1.005	2.03	1900		160	0.6	8	0.12	103.5	
M379582	243.41	245.05	HCORE		0.02	1.2	148	3.4	21	27	433	0.02	1.2		27		433		6.05	148		980	1.9	-2	0.19	3.4	
M379583	245.05	246.25	HCORE		0.01	0.7	16	1.2	71	13	131	0.01	0.7		13		131		1.17	16		230	-0.5	-2	0.07	1.2	

DHSample	Co ICP ppm	Cr ICP ppm	Cu ICP ppm	Fe ICP pct	Ga ICP ppm	K ICP pct	La ICP ppm	Mg ICP pct	Mn ICP ppm	Mo ICP ppm	Na ICP pct	Ni ICP ppm	P ICP ppm	S ICP pct	Sb ICP ppm	Sc ICP ppm	Sr ICP ppm	Th ICP ppm	Ti ICP pct	Tl ICP ppm	U ICP ppm	V ICP ppm	W ICP ppm	SG gcm3	Lab	Certificate	Date Received
M379525	2	40	5	1.15	-10	0.36	10	0.05	227	-1	0.03	9	170	0.55	-5	2	13	-20	0.12	-10	-10	19	-10		ALS	WH18202368	8/18/2018
M379526	4	27	28	3.78	-10	0.08	-10	0.03	389	-1	0.01	6	100	2.36	12	-1	3	-20	0.05	-10	-10	4	-10		ALS	WH18202368	8/18/2018
M379527	1	23	21	2.48	-10	0.1	10	0.02	308	-1	0.01	7	110	1.81	9	-1	3	-20	0.05	-10	-10	4	-10		ALS	WH18202368	8/18/2018
M379528	13	11	1940	4.79	10	0.99	10	1.33	2170	32	2	8	530	2.47	216	13	425	-20	0.25	-10	-10	110	-10		ALS	WH18202368	8/18/2018
M379529	1	38	14	1.72	-10	0.38	10	0.07	180	-1	0.03	10	150	0.96	8	2	12	-20	0.1	-10	-10	26	-10		ALS	WH18202368	8/18/2018
M379530	8	102	13	3.76	10	1.81	30	0.34	321	1	0.2	40	620	1.85	13	9	85	-20	0.33	-10	-10	96	-10		ALS	WH18202368	8/18/2018
M379531	-1	2	1	0.1	-10	0.01	-10	1.41	103	-1	0.02	2	60	0.01	-5	-1	131	-20	0.01	-10	-10	1	-10		ALS	WH18202368	8/18/2018
M379532	5	56	10	2.46	10	0.75	10	0.32	456	-1	0.08	20	430	0.52	7	4	36	-20	0.15	-10	-10	50	-10		ALS	WH18202368	8/18/2018

M379533	8	77	16	3.11	10	1.42	30	0.73	327	1	0.15	31	620	0.49	7	9	85	-20	0.31	-10	-10	86	-10		ALS	WH18202368	8/18/2018
M379534	9	76	14	3.08	10	1.4	30	0.72	339	-1	0.15	32	610	0.44	-5	9	84	-20	0.31	-10	-10	85	-10		ALS	WH18202368	8/18/2018
M379535	2	28	8	1.26	-10	0.01	10	0.21	225	1	0.01	3	140	0.4	-5	1	1	-20	0.08	-10	-10	6	-10		ALS	WH18202368	8/18/2018
M379536	2	31	10	1.46	-10	0.03	10	0.15	250	-1	-0.01	4	200	0.8	5	1	2	-20	0.07	-10	-10	5	-10		ALS	WH18202368	8/18/2018
M379537	3	37	8	1.1	-10	0.19	10	0.1	140	-1	0.04	10	340	0.2	-5	1	10	-20	0.09	-10	-10	14	-10		ALS	WH18202368	8/18/2018
M379538	5	43	31	2.63	-10	0.52	10	0.14	327	1	0.09	19	160	1.97	14	3	15	-20	0.13	-10	-10	35	-10		ALS	WH18202368	8/18/2018
M379539	37	75	27	9.26	20	1.24	10	3.54	2460	-1	0.01	88	720	0.91	15	33	5	-20	0.93	10	-10	324	-10		ALS	WH18202368	8/18/2018
M379540	31	69	49	8.58	20	2.24	10	0.66	1040	-1	0.02	67	610	8.27	316	27	5	-20	0.69	10	-10	261	20		ALS	WH18202368	8/18/2018
M379541	7	51	150	14.9	20	1.67	-10	0.3	2900	1	0.02	69	540	10	681	21	4	-20	0.57	10	-10	190	30	3.4	ALS	WH18202370	8/18/2018
M379542	3	2	303	37.9	-10	0.02	-10	0.07	1035	-1	0.01	20	30	10	212	-1	-1	-20	0.02	-10	-10	6	10	4.42	ALS	WH18202370	8/18/2018
M379543	15	12	2080	5.1	10	1.02	10	1.39	2290	34	2.09	8	560	2.62	212	14	445	-20	0.26	-10	-10	115	10		ALS	WH18202370	8/18/2018
M379544	2	26	68	8.66	-10	0.14	-10	0.04	865	-1	0.01	7	110	7.41	21	1	3	-20	0.04	-10	-10	8	-10	2.93	ALS	WH18202370	8/18/2018
M379545	4	35	28	5.6	-10	0.25	10	0.05	1280	1	0.02	5	210	4.98	6	1	6	-20	0.06	-10	-10	13	-10	2.89	ALS	WH18202370	8/18/2018
M379546	-1	3	1	0.12	-10	0.01	-10	1.79	109	-1	0.03	-1	80	0.01	-5	-1	212	-20	0.01	-10	-10	1	-10		ALS	WH18202370	8/18/2018
M379547	5	86	30	4.39	10	1.5	20	0.26	2070	1	0.11	27	560	2.5	14	7	51	-20	0.22	10	-10	77	-10		ALS	WH18202370	8/18/2018
M379548	4	93	37	6.91	20	2.12	30	0.36	4740	1	0.16	41	960	3.16	15	11	69	-20	0.29	-10	-10	112	-10		ALS	WH18202370	8/18/2018
M379549	2	76	64	7.04	10	1.23	20	0.28	4150	1	0.13	28	620	4.5	17	7	45	-20	0.18	-10	-10	73	-10		ALS	WH18202370	8/18/2018
M379550	1	42	32	2.64	-10	0.46	10	0.07	1890	-1	0.03	8	210	1.81	8	2	13	-20	0.1	-10	-10	24	-10		ALS	WH18202370	8/18/2018
M379551	1	26	57	4.97	-10	0.27	10	0.11	4910	-1	0.02	10	220	2.58	14	2	8	-20	0.06	-10	-10	18	10	2.76	ALS	WH18202370	8/18/2018
M379552	-1	18	128	6.99	-10	0.1	-10	0.04	2780	-1	0.01	8	90	8.35	12	-1	2	-20	0.03	-10	-10	5	-10	3.32	ALS	WH18202370	8/18/2018
M379553	2	29	15	3.43	-10	0.14	-10	0.04	4090	-1	0.01	3	100	1.65	-5	1	4	-20	0.04	-10	-10	7	-10	2.78	ALS	WH18202370	8/18/2018
M379554	2	43	22	2.79	-10	0.46	10	0.07	2990	-1	0.03	10	240	1.24	7	2	14	-20	0.09	-10	-10	24	-10		ALS	WH18202370	8/18/2018
M379555	4	32	31	3.43	-10	0.26	10	0.05	1655	-1	0.03	10	220	2.67	13	1	13	-20	0.06	-10	-10	14	-10		ALS	WH18202370	8/18/2018
M379556	5	97	35	3.4	10	1.74	20	0.18	978	1	0.14	27	650	2.36	15	8	76	-20	0.26	-10	-10	87	-10		ALS	WH18202370	8/18/2018
M379557	1	37	27	1.63	-10	0.21	10	0.03	1630	-1	0.02	6	300	0.92	6	1	7	-20	0.07	-10	-10	12	-10		ALS	WH18202370	8/18/2018
M379558	1	39	27	1.58	-10	0.21	10	0.03	1595	-1	0.02	6	300	0.93	5	1	6	-20	0.07	-10	-10	12	-10		ALS	WH18202370	8/18/2018
M379559	4	29	47	1.89	-10	0.1	10	0.02	1875	-1	0.01	3	150	1.39	-5	1	2	-20	0.05	-10	-10	6	-10		ALS	WH18202370	8/18/2018
M379560	2	27	25	1.32	-10	0.1	10	0.02	1425	-1	-0.01	3	150	0.74	5	1	2	-20	0.05	-10	-10	5	-10		ALS	WH18202370	8/18/2018
M379561	2	52	118	3.85	10	0.62	10	0.11	3820	1	0.07	12	280	2.64	19	3	20	-20	0.13	10	-10	39	10		ALS	WH18202370	8/18/2018
M379562	1	38	52	2.36	-10	0.29	10	0.08	2400	-1	0.04	9	230	1.32	6	2	9	-20	0.08	-10	-10	20	-10		ALS	WH18202370	8/18/2018
M379563	2	44	73	2.41	-10	0.38	10	0.13	2350	-1	0.05	11	310	1.47	9	2	13	-20	0.1	-10	-10	27	-10		ALS	WH18202370	8/18/2018
M379564	2	46	70	2.52	-10	0.44	10	0.14	2300	-1	0.06	11	340	1.5	6	3	15	-20	0.11	-10	-10	30	10		ALS	WH18202370	8/18/2018
M379565	1	36	30	1.84	-10	0.13	10	0.06	1460	-1	0.03	4	110	1.09	-5	1	5	-20	0.05	-10	-10	10	-10		ALS	WH18202370	8/18/2018
M379566	1	31	129	2.97	-10	0.05	-10	0.04	2640	-1	0.02	3	60	3.17	13	-1	2	-20	0.03	-10	-10	4	-10		ALS	WH18202370	8/18/2018
M379567	2	77	104	5.43	10	1.19	20	0.2	2430	-1	0.12	23	430	3.22	22	6	39	-20	0.17	-10	-10	63	-10		ALS	WH18202370	8/18/2018
M379568	13	42	301	14.45	10	0.46	10	0.26	2120	1	0.13	43	380	10	123	4	17	-20	0.03	-10	-10	43	-10	3.32	ALS	WH18202370	8/18/2018
M379569	13	18	2440	3.52	10	0.76	10	0.52	3930	7	1.22	8	330	1.55	464	4	274	-20	0.14	-10	-10	54	-10		ALS	WH18202370	8/18/2018
M379570	5	149	112	8.21	30	2.43	40	0.57	1830	1	0.38	51	1300	4.44	26	15	76	-20	0.29	10	-10	163	-10		ALS	WH18202370	8/18/2018
M379571	5	122	128	7.95	20	2.18	30	0.49	2330	2	0.31	50	1170	4.74	28	13	65	-20	0.31	10	-10	141	-10		ALS	WH18202370	8/18/2018
M379572	10	132	145	8.19	20	2.58	30	0.37	2690	2	0.33	34	1830	5.76	14	14	96	-20	0.36	10	-10	152	-10		ALS	WH18202370	8/18/2018
M379573	1	3	4	0.24	-10	0.03	-10	1.53	140	-1	0.03	-1	80	0.1	-5	-1	84	-20	0.01	-10	-10	2	-10		ALS	WH18202370	8/18/2018
M379574	1	32	224	9.43	-10	0.19	10	0.09	4480	1	0.04	14	610	9.95	65	1	8	-20	0.04	-10	-10	16	-10	3.13	ALS	WH18202370	8/18/2018
M379575	-1	26	191	6.94	-10	0.01	10	0.06	2820	-1	0.02	5	470	8.03	29	-1	3	-20	0.03	-10	-10	5	-10	3.01	ALS	WH18202370	8/18/2018
M379576	1	64	98	5.04	10	0.82	20	0.25	167	1	0.09	21	490	4.64	24	5	30	-20	0.17	-10	-10	66	10	2.97	ALS	WH18202370	8/18/2018
M379577	8	62	135	11.55	10	0.51	10	0.78	739	1	0.04	51	430	10	47	9	14	-20	0.23	-10	-10	102	-10	3.21	ALS	WH18202370	8/18/2018
M379578	6	152	36	4.84	30	3.57	50	0.63	413	1	0.25	53	1360	2.13	17	18	115	-20	0.53	10	-10	184	-10	2.78	ALS	WH18202370	8/18/2018
M379579	2	38	189	2.85	-10	0.31	10	0.09	302	-1	0.02	10	200	2.81	69	2	7	-20	0.09	-10	-10	20	-10	2.81	ALS	WH18202370	8/18/2018
M379580	2	48	103	10.1	-10	0.4	10	0.13	131	-1	0.05	13	160	10	95	3	11	-20	0.07	-10	-10	31	-10	3.01	ALS	WH18202370	8/18/2018
NR																											
M379581	4	47	71	6.47	10	0.56	10	0.16	3440	-1	0.04	16	310	4.86	23	3	18	-20	0.1	-10	-10	34	10	2.82	ALS	WH18202370	8/18/2018
M379582	11	88	21	3.52	10	1.67	30	0.3	1125	1	0.29	38	740	1.28	6	10	100	-20	0.34	-10	-10	102	-10		ALS	WH18202370	8/18/2018
M379583	4	45	71	2.12	-10	0.33	10	0.2	1015	-1	0.02	8	250	0.61	-5	2	4	-20	0.1	-10	-10	21	-10		ALS	WH18202370	8/18/2018

Structures

Hole	From m	To m	Struct Level	Struct Code	Struct Mod1	Struct Mod2	Struct Alpha	Vergence	Comments
K-18-0698	13.95	13.96	1	FN			85		
K-18-0698	16.28	16.29	1	FN			82		
K-18-0698	19.83	19.84	1	FN			76		
K-18-0698	20.66	20.67	1	FN			84		
K-18-0698	23.74	23.75	1	FN			81		
K-18-0698	25.8	25.81	1	FN			85		
K-18-0698	27.35	27.36	1	FN			84		
K-18-0698	30.8	30.81	1	FN			90		
K-18-0698	34.6	34.61	1	FN			85		
K-18-0698	37.86	37.87	1	FN			85		
K-18-0698	39.4	39.46	1	SH	go	gg			fine grained graphitic schist gouge.
K-18-0698	40.42	40.43	1	FN			76		
K-18-0698	43.12	43.13	1	FN			75		
K-18-0698	45.74	45.75	1	FN			76		
K-18-0698	47.32	47.33	1	FN			86		
K-18-0698	49.47	49.48	1	FN			87		
K-18-0698	52.37	52.38	1	FN			88		
K-18-0698	54.23	54.24	1	FN			80		
K-18-0698	58.76	58.77	1	FN			81		
K-18-0698	60.56	60.57	1	FN			84		
K-18-0698	63.48	63.49	1	FN			74		
K-18-0698	66.06	66.07	1	FN			69		
K-18-0698	70.39	70.4	1	STR			63		
K-18-0698	70.84	70.85	1	FN			86		
K-18-0698	72.65	72.66	1	FN			65		
K-18-0698	74.66	74.67	1	FN			79		
K-18-0698	77.71	77.72	1	FN			70		
K-18-0698	80.8	80.81	1	FN			82		
K-18-0698	83.24	83.25	1	FN			77		
K-18-0698	87.34	87.35	1	FN			64		
K-18-0698	87.62	87.63	1	STR			62		
K-18-0698	88.67	88.76	1	SH	go				fine grained quartzite gouge with puggy quartz.
K-18-0698	88.91	88.92	1	FN			75		
K-18-0698	89.66	89.67	1	FN			88		
K-18-0698	93.22	93.23	1	FN			70		
K-18-0698	96.53	96.54	1	FN			75		
K-18-0698	101.12	101.13	1	FN			75		
K-18-0698	102.78	102.88	1	FLD				N	
K-18-0698	104.1	104.11	1	FN			74		
K-18-0698	109.24	109.31	1	SH					gougy graphitic schist with broken amd puggy quartzite.
K-18-0698	109.46	109.47	1	FN			75		
K-18-0698	113.56	113.57	1	FN			70		
K-18-0698	116.42	116.43	1	FN			74		
K-18-0698	118.9	118.91	1	FN			61		
K-18-0698	120.71	120.72	1	STR			70		
K-18-0698	123.1	123.11	1	FN			67		
K-18-0698	129.1	129.11	1	FN			73		
K-18-0698	136.45	136.61	1	FLT	gg	go			Graphitic schist gouge with puggy quartz.
K-18-0698	136.84	136.85	1	STR			70		
K-18-0698	140.34	140.35	1	FN			73		
K-18-0698	143.48	143.49	1	FN			78		
K-18-0698	145.79	145.8	1	FN			65		
K-18-0698	150.37	150.38	1	FN			71		
K-18-0698	152.93	152.94	1	FN			82		
K-18-0698	154.19	154.2	1	FN			80		
K-18-0698	155.98	156.1	1	FLT					crushed fine grained quartzite with puggy quartz.
K-18-0698	157.23	157.24	1	FN			75		
K-18-0698	160.08	160.09	1	FN			73		
K-18-0698	163	163.25	1	FLT	gg				graphist schist gouge and brecciated quartzite shows the sign of fault.
K-18-0698	164.34	164.35	1	FN			53		
K-18-0698	164.69	164.7	1	FLT	bk				fine grained quartz gouge with puggy and broken clasts d quartz.
K-18-0698	167.17	167.18	1	FN			73		
K-18-0698	167.32	167.65	1	FLT	gg				graphitic schist goge with puggy and broken quartz.
K-18-0698	169.01	169.02	1	FN			78		
K-18-0698	173.31	173.32	1	FN			66		
K-18-0698	175.88	175.89	1	FN			74		
K-18-0698	178.68	178.69	1	FN			79		
K-18-0698	180.2	180.32	1	FLT	gg				thin graphitic schist fault gouge.
K-18-0698	180.91	180.92	1	FN			82		
K-18-0698	184.41	184.42	1	FN			64		
K-18-0698	185.02	185.11	1	FLT	gg				graphitic schist gouge with puggy quartz.
K-18-0698	186.03	186.04	1	FN			70		
K-18-0698	187.47	187.74	1	FLT	gg				fine grained graphitic schist gouge with broken clast of quartzite (granule to pebble size).
K-18-0698	189.42	189.43	1	FN			72		
K-18-0698	192.41	192.42	1	FN			72		
K-18-0698	193.62	193.63	1	FN			77		
K-18-0698	195.17	195.18	1	FN			77		
K-18-0698	198.24	198.25	1	FN			85		
K-18-0698	199.66	199.67	1	FN			73		
K-18-0698	201.17	201.18	1	FN			56		
K-18-0698	203.2	203.21	1	FN			74		
K-18-0698	205.51	205.52	1	FN			76		
K-18-0698	206.83	206.84	1	FN			84		
K-18-0698	210.21	210.22	1	FN			88		
K-18-0698	211.14	211.15	1	FN			70		
K-18-0698	211.21	211.63	1	FLT	bk	gg			section is a combination of brecciated greenstone sill and fault gouge (grennstone sill too) with a few broken clasts of greenstone sill; fault gouge includes fine grained crushed pyrite.

Hole	From m	To m	Struct Level	Struct Code	Struct Mod1	Struct Mod2	Struct Alpha	Vergence	Comments
K-18-0698	213.44	213.64	1	FLT	go				crushed fine grained quartzite fault gouge with few broken clasts of quartzite and fine grains of pyrite.
K-18-0698	214.6	214.61	1	STR			15		
K-18-0698	214.77	214.78	1	FN			80		
K-18-0698	216.86	216.87	1	FN			58		
K-18-0698	218.69	218.7	1	FN			84		
K-18-0698	221.94	221.95	1	FN			72		
K-18-0698	223.78	223.79	1	FN			72		
K-18-0698	224.84	224.85	1	FN			74		
K-18-0698	227.09	227.1	1	STR			32		
K-18-0698	231.23	231.24	1	FN			65		
K-18-0698	235.05	235.06	1	FN			65		
K-18-0698	238.63	243.41	1	FLT	gg	go			graphitic schist, quartzite and quartz vein gouge with puggy quartz and broken clasts of quartzite, fine to medium grained crushed pyrite is mixed with fault gouge, brecciated quartzite with a few pyrite intrusions, fine grained sphalerite is also present in a few spots.
K-18-0698	244.95	244.96	1	FN			60		
K-18-0698	246.7	246.71	1	FN			80		
K-18-0698	251.57	251.58	1	FLD				S	
K-18-0698	254.21	254.22	1	FN			80		
K-18-0698	259.69	259.7	1	FN			77		
K-18-0698	263.77	263.78	1	FN			68		
K-18-0698	268.71	268.72	1	FN			73		
K-18-0698	271.54	271.55	1	FN			75		
K-18-0698	275.78	275.79	1	FN			65		
K-18-0698	277.38	277.39	1	FN			58		
K-18-0698	280.86	280.87	1	FN			65		
K-18-0698	282.97	282.98	1	FN			65		
K-18-0698	285.85	285.86	1	FN			82		
K-18-0698	287.59	287.6	1	STR			71		
K-18-0698	290.46	290.47	1	FN			78		
K-18-0698	293.47	293.48	1	FN			71		

Stratigraphy

Hole	From_m	To_m	Strat	Avg_Alpha	True_Thickness	Comments
K-18-0698	0	12	Qs			
K-18-0698	12	25.29	MKq	82	13.16	
K-18-0698	25.29	31.68	TRgn	86	6.37	
K-18-0698	31.68	48.92	MKq	80	16.98	
K-18-0698	48.92	52.25	TRgn	87	3.33	
K-18-0698	52.25	53.88	MKq	88	1.63	
K-18-0698	53.88	62.77	MKs	82	8.8	
K-18-0698	62.77	64.13	MKg	74	1.31	
K-18-0698	64.13	71	MKq	78	6.72	
K-18-0698	71	167.32	MKq	73	92.11	Interbedded quartzite and graphitic schist.
K-18-0698	167.32	167.65	FLT			Graphitic schist fault gouge with a few broken clasts of quartzite.
K-18-0698	167.65	196.34	MKq	74	27.58	Non mineralized quartz vein with disseminated pyrite and a few patches of sphalerite (mm scale) from 187.74 to 189.27m.
K-18-0698	196.34	196.84	TRgn			
K-18-0698	196.84	209.96	MKq	75	12.67	
K-18-0698	209.96	211.21	TRgn	79	1.23	
K-18-0698	211.21	211.63	FLT			This section is combination of brecciated greenstone sill and fault gouge (grennstone sill too) with a few broken clasts of greenstone sill, fault gouge includes fine grained crushed pyrite.
K-18-0698	211.63	238.63	MKq	71	25.53	Massive mineralized vein from 211.63 to 212.64m. Stringer mineralization from 212.64 to 220.90m. Significant patches (mm to cm) of sphalerite and pyrite from 219.84 to 220.16m. Non mineralized quartz vein with sphalerite veinlets @ 232.55, 232.85 and 233.71m respectively. Massive pyrite veinlet @ 234.69m including majorly pyrite and pyrrhotite, siderite stringer @ 234.38m containing significant sphalerite.
K-18-0698	238.63	243.41	FLT			Graphitic schist, quartzite and quartz vein fault gouge with puggy quartz and broken clasts of quartzite. Fine to medium grained (crushed) pyrite is mixed with fault gouge. Quartzite is brecciated with a few pyrite intrusions and trace sphalerite.
K-18-0698	243.41	246.25	MKq	60	2.46	
K-18-0698	246.25	251.64	TRgn	80	5.31	
K-18-0698	251.64	261.71	MKq	78	9.85	
K-18-0698	261.71	267.74	TRgn	68	5.59	
K-18-0698	267.74	275	MKq	74	6.98	
K-18-0698	275	277.28	TRgn	65	2.07	
K-18-0698	277.28	298	MKq	70	19.47	

Specific Gravity

Hole	Depth_m	Wgt_Air	Wgt_H2O	SG_Calc	Length	Rock_Type
K-18-0698	184.42	913.1	571	2.67	11	QTZT
K-18-0698	184.75	1025.1	646.9	2.71	13	QTZT
K-18-0698	192.5	1520.6	869	2.33	19	QTZT
K-18-0698	206.3	959	597.1	2.65	11	QTZT
K-18-0698	211.8	2462.5	1880.3	4.23	20	VM
K-18-0698	249.38	1090.8	725.9	2.99	11.5	GNST

K-18-0700

Surveys

Hole	Depth m	Pull Back	Code	Raw Azimuth	Correction Factor	Corrected Azimuth	Dip	Mag Field	Temp	Roll	Date Surveyed	Instrument
K-18-0700	23	6	1	26	20	46	-64.1	5788	16.7	143.4	7/12/2018	Reflex
K-18-0700	47	6	1	25.9	20	45.9	-63.9	5791	14.7	36.9	7/13/2018	Reflex
K-18-0700	71	6	1	27	20	47	-63.3	5736	13.6	184.9	7/13/2018	Reflex
K-18-0700	95	6	1	27.6	20	47.6	-63.2	5743	18.8	195.3	7/14/2018	Reflex
K-18-0700	119	6	1	27.6	20	47.6	-62.8	5755	14.3	295	7/14/2018	Reflex
K-18-0700	143	6	1	27.6	20	47.6	-62.5	5743	10.5	339.7	7/14/2018	Reflex
K-18-0700	167	6	1	29.2	20	49.2	-62.5	5745	12.2	170.6	7/15/2018	Reflex
K-18-0700	191	6	1	29.1	20	49.1	-62.6	5742	11.8	275.6	7/16/2018	Reflex
K-18-0700	215	6	1	29.7	20	49.7	-62.6	5746	12.1	183	7/16/2018	Reflex
K-18-0700	239	6	6	25.6	20	45.6	-62.4	5856	11.7	333.5	7/16/2018	Reflex
K-18-0700	263	6	1	29.4	20	49.4	-62.3	5740	12.4	331.7	7/16/2018	Reflex
K-18-0700	287	6	1	31.1	20	51.1	-62.2	5755	14.9	265.5	7/17/2018	Reflex

Geotech

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0700	0	14	14	1.95	13.93	0.19	1.36	casing and overburden
K-18-0700	14	17	3	2.99	99.67	1	33.33	
K-18-0700	17	20	3	2.66	88.67	0.23	7.67	highly fractured core
K-18-0700	20	23	3	2.81	93.67	1.28	42.67	
K-18-0700	23	26	3	3	100	0.88	29.33	
K-18-0700	26	29	3	2.84	94.67	1.05	35	
K-18-0700	29	32	3	3	100	2.68	89.33	
K-18-0700	32	35	3	2.95	98.33	2.18	72.67	
K-18-0700	35	38	3	2.88	96	1.71	57	
K-18-0700	38	41	3	2.49	83	0.82	27.33	
K-18-0700	41	44	3	3	100	1.76	58.67	
K-18-0700	44	47	3	2.92	97.33	2.1	70	
K-18-0700	47	50	3	2.94	98	1.7	56.67	
K-18-0700	50	53	3	3	100	0.43	14.33	
K-18-0700	53	56	3	3	100	1.24	41.33	
K-18-0700	56	59	3	3	100	1.07	35.67	
K-18-0700	59	62	3	2.99	99.67	1.81	60.33	
K-18-0700	62	65	3	2.96	98.67	1.63	54.33	
K-18-0700	65	68	3	3	100	1.61	53.67	
K-18-0700	68	71	3	2.99	99.67	1.66	55.33	
K-18-0700	71	74	3	3	100	1.59	53	
K-18-0700	74	77	3	2.97	99	2.02	67.33	
K-18-0700	77	80	3	2.86	95.33	1.98	66	
K-18-0700	80	83	3	3	100	1.28	42.67	
K-18-0700	83	86	3	3.1	103.33	2.19	73	
K-18-0700	86	89	3	2.85	95	0.57	19	
K-18-0700	89	92	3	2.56	85.33	1.22	40.67	
K-18-0700	92	95	3	2.97	99	0.8	26.67	highly fractured qtzt 94.38 - 94.73m
K-18-0700	95	98	3	2.67	89	0.78	26	fractured qtzt
K-18-0700	98	101	3	3	100	1.86	62	
K-18-0700	101	104	3	2.92	97.33	0.75	25	
K-18-0700	104	107	3	2.76	92	0.22	7.33	
K-18-0700	107	110	3	3	100	1.21	40.33	
K-18-0700	110	113	3	2.89	96.33	0.79	26.33	
K-18-0700	113	116	3	2.92	97.33	1.5	50	
K-18-0700	116	119	3	2.94	98	1.14	38	
K-18-0700	119	122	3	3	100	0.9	30	
K-18-0700	122	125	3	2.91	97	2.6	86.67	
K-18-0700	125	128	3	2.88	96	2.4	80	
K-18-0700	128	131	3	2.93	97.67	2.61	87	
K-18-0700	131	134	3	2.49	83	0.8	26.67	degree of fracturing increases 132.03 - 133.67m
K-18-0700	134	137	3	2.96	98.67	1.69	56.33	
K-18-0700	137	140	3	2.89	96.33	2.43	81	
K-18-0700	140	143	3	2.96	98.67	0.88	29.33	
K-18-0700	143	146	3	2.8	93.33	1	33.33	
K-18-0700	146	149	3	2.9	96.67	0.83	27.67	
K-18-0700	149	152	3	3.05	101.67	1.54	51.33	
K-18-0700	152	155	3	2.96	98.67	2.18	72.67	
K-18-0700	155	158	3	3	100	0.82	27.33	
K-18-0700	158	161	3	3	100	1.62	54	
K-18-0700	161	164	3	2.86	95.33	0.66	22	
K-18-0700	164	167	3	2.96	98.67	0.82	27.33	
K-18-0700	167	170	3	3	100	1.15	38.33	
K-18-0700	170	173	3	3.03	101	1.64	54.67	
K-18-0700	173	176	3	2.7	90	0.78	26	
K-18-0700	176	179	3	2.89	96.33	0.23	7.67	
K-18-0700	179	182	3	2.94	98	0.42	14	
K-18-0700	182	185	3	2.93	97.67	2.13	71	
K-18-0700	185	188	3	2.85	95	0.44	14.67	
K-18-0700	188	191	3	2.62	87.33	0.18	6	puggy qz mixed with clay material across whole interval.
K-18-0700	191	194	3	1.13	37.67	0	0	highly fractured qtzt with mixture of puggy qz and clay material
K-18-0700	194	197	3	2.69	89.67	0.66	22	gscht 194 - 195.28m

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0700	197	200	3	3	100	1.88	62.67	
K-18-0700	200	203	3	3	100	1.94	64.67	
K-18-0700	203	206	3	2.77	92.33	1.06	35.33	
K-18-0700	206	209	3	3	100	2.03	67.67	
K-18-0700	209	212	3	3	100	1.35	45	
K-18-0700	212	215	3	3	100	1.86	62	
K-18-0700	215	218	3	3	100	1.5	50	
K-18-0700	218	221	3	3.15	105	2.21	73.67	
K-18-0700	221	224	3	2.79	93	2.06	68.67	
K-18-0700	224	227	3	2.84	94.67	1.25	41.67	
K-18-0700	227	230	3	3	100	1.63	54.33	
K-18-0700	230	233	3	2.94	98	2.22	74	
K-18-0700	233	236	3	3.04	101.33	2.33	77.67	
K-18-0700	236	239	3	2.93	97.67	1.55	51.67	
K-18-0700	239	242	3	2.97	99	0.87	29	
K-18-0700	242	245	3	2.98	99.33	0.59	19.67	
K-18-0700	245	248	3	2.75	91.67	1.26	42	
K-18-0700	248	251	3	3	100	1.72	57.33	
K-18-0700	251	254	3	2.9	96.67	2.04	68	
K-18-0700	254	257	3	2.9	96.67	1.05	35	
K-18-0700	257	260	3	2.86	95.33	1.63	54.33	
K-18-0700	260	263	3	3	100	1.14	38	
K-18-0700	263	266	3	2.95	98.33	1.9	63.33	
K-18-0700	266	269	3	2.83	94.33	1.01	33.67	
K-18-0700	269	272	3	2.65	88.33	0.84	28	
K-18-0700	272	275	3	2.97	99	2.34	78	
K-18-0700	275	278	3	2.94	98	2.17	72.33	
K-18-0700	278	281	3	2.84	94.67	0.9	30	
K-18-0700	281	284	3	2.44	81.33	0.87	29	
K-18-0700	284	287	3	2.85	95	0.86	28.67	

Lithology

Hole	From m	To m	Lith1	Lith1 Pct	Lith2	Lith2 Pct	Mod1	Grain Size	Colour	Bedding Thickness	Comments
K-18-0700	0	11.87	OVB								
K-18-0700	11.87	27.04	QTZT	100				Fine	medium grey	Very Thick	moderately oxidized quartzite with minor beds of graphitic schist and leached quartzite, from 26.00 to 27.04m graphitic schist beds are more abundant than the whole zone.
K-18-0700	27.04	34.9	GNST	100				Fine	green	Very Thick	strongly oxidized greenstone sill from 31.00 to 31.20m.
K-18-0700	34.9	36.02	GSCH	100			g	Fine	green-grey	Very Thick	greenstone altered graphitic schist from 34.90 to 35.35m; rest is weakly oxidized graphitic schist zone.
K-18-0700	36.02	52.83	QTZT	100				Fine	medium grey	Very Thick	graphitic schist beds are more abundant from 39.64 to 41.25 and 42.86 to 43.93 respectively; rest is moderately oxidized quartzite zone with a few beds of leached quartzite and minor vuggy quartz stringers.
K-18-0700	52.83	53.18	GNST	100				Fine	green	Medium	very thin bed of moderate to strongly oxidized greenstone sill.
K-18-0700	53.18	56.51	TQTZT	100			g	Fine	dark grey	Very Thick	medium to dark grey interbedded quartzite and graphitic schist; quartz stringers are mostly vuggy and this zone is moderately oxidized.
K-18-0700	56.51	60.51	SSCH	100			s	Fine	green	Very Thick	moderate to strongly oxidized sericite schist with a few quartz lenses and stringers; quartz vein at 58.81 to 59m.
K-18-0700	60.51	64.47	GSCH	100			g	Fine	dark grey	Very Thick	moderate to strongly oxidized graphitic schist wiith a thin bed of sericite schist; quartz stringers are mostly vuggy.
K-18-0700	64.47	65.08	SSCH	100			s	Fine	green	Thick	weak to moderately oxidized sericite schist with a minor beds of graphitic schist.
K-18-0700	65.08	65.58	GNST	100				Fine	green	Thick	moderately oxidized greenstone with vuggy and oxidized quartz veinlet.
K-18-0700	65.58	69.23	TQTZT	100			g	Fine	medium grey	Very Thick	medium grey quartzite with thin beds of graphitic schist and leached quartzite, metamorphosed quartz vein @ 66.88m, this zone is moderately oxidized; quartz stringers are mostly vuggy.
K-18-0700	69.23	71.77	QTZT	100				Fine	grey	Very Thick	fine grained quartzite with a few beds of leached quartzite and very minor beds of graphitic schist; quartz stringers are weak to moderately oxidized, graphitic schist layers are highly deformed with metamorphic quartz at few spots in this zone.
K-18-0700	71.77	73.18	GSCH	100			g	Fine	medium grey	Very Thick	medium to dark grey coloured graphitic schist with a thick bed of quartzite @ 71.93 to 72.24m; quartz metamorphic stringers and veinlets are common in this zone which are moderately oxidized.and are vuggy mostly.
K-18-0700	73.18	79.31	QTZT	100				Fine	grey	Very Thick	light to medium grey quartzite wirh very minor beds of leached quartzite; quartzite stringers and veinlets are common throughout the zone, most of quartz stringers and veinlets are vuggy and have orange rusty brown colour on the surface which confirms oxidation.
K-18-0700	79.31	80.99	GSCH	100			g	Fine	dark grey	Very Thick	weak to moderately oxidized graphitic schist with a few quartz stringers; metamorphosed quartz veinlets @ 71.80 and 71.91m which conntains some carbonate content on its surface.
K-18-0700	80.99	82.17	QTZT	100				Fine	grey	Very Thick	weak to moderately oxidized quartzite with significant quartz stringers.
K-18-0700	82.17	94.28	TQTZT	100			g	Fine	dark grey	Very Thick	weakly oxidized quartzite with thin beds of graphitic schist and leached quartzite; quartz stringers are present throughout the zone.
K-18-0700	94.28	102.15	QTZT	100				Fine	medium grey	Very Thick	meium grey quartzite with significant quartz stringers; this zone is weakly oxized, graphitic schist beds are more abundant from 96.24 to 96.66 and 100.87 to 101.30m respectively.
K-18-0700	102.15	106.95	GSCH	100			g	Fine	dark grey		dark grey graphitic schist with minor beds of quartzite and leached quartzite; a few quartz srtingers are present in graphitic schist beds, thick bed of quarztite is present from 103.36 to 103.76m.
K-18-0700	106.95	113.68	QTZT	100				Fine	medium grey	Very Thick	starting with a leached quarztite bed from 107.00 to 107.20m; rest is quartzite with ocassionally beds of grphitic schist, quartz stringers are common in this zone.
K-18-0700	113.68	116.87	TQTZT	100			g	Fine	medium grey	Very Thick	interbedded quartzite and graphitic schist; a few quartz stringers are present in this zone with a non mineralized quartz veinlet @ 116.72m.
K-18-0700	116.87	121.69	GSCH	100			g	Fine	dark grey	Very Thick	graphitic schist with minor beds of quartzite; metamorphic quartz lenses are common in this zone, two quartz veinlets @ 120.3 and 121.22m.
K-18-0700	121.69	130.81	QTZT	100				Fine	medium grey	Very Thick	light to medium grey quartzite with ocassionally minor beds of graphitic schist; quartz stringers are common in this zone.
K-18-0700	130.81	134.58	TQTZT	100			g	Fine	medium grey	Very Thick	weakly oxidized zone; interbedded quartzite and grphititc schist, unmineralizeed quartz striners and disseminated are common in this zone.
K-18-0700	134.58	141.4	QTZT	100				Fine	medium grey	Very Thick	multiple unmineralized quartz veinlets are predominant in medium grey quartzite from 134.58 to 140.00m.
K-18-0700	141.4	146.85	TQTZT	100			g	Fine	dark grey	Very Thick	interbedded quartzte and graphitic schist with vuggy quartz stringers, few quartz stringers have carbonate on its surface which fizzes on pouring dil. HCl acid.
K-18-0700	146.85	171.27	QTZT	100				Fine	medium grey	Very Thick	medium grey quartzite with very minor beds of graphitic schist; quartz veinlets and stringers are present throughout the zone, unmineralized quartz vein from 169.10 to 170.00m which includes later siderite stringers, leached quartzite beds are more abundant from 170.75 to 171.25m.
K-18-0700	171.27	174.4	TQTZT	100			g	Fine	medium grey	Very Thick	quartzite with thin beds of graphitic schist and minor beds of leached schist, vuggy quartz stringers are common in this zone.
K-18-0700	174.4	179.82	GSCH	100			g	Fine	dark grey	Very Thick	dark grey to black coloured graphtic schist with a few quartz stringers.
K-18-0700	179.82	182.22	TQTZT	100			g	Fine	dark grey	Very Thick	dark grey coloured quartzite with thin beds of graphitic schist; ocassional beds of leached quartzite are present, a few quartz stringers are present in this zone.
K-18-0700	182.22	187.98	QTZT	100			g	Fine	dark grey	Very Thick	medium to dark grey quartzite with 2 quartz veinlets at 183.46 and 183.89m; graphtic schist beds are more abundant from 186.64 to 187.13m, right before the fault rock is farctured and brecciated, fault starts @ 187.98m.
K-18-0700	187.98	191	FLT	100			g				graphitic schist fault gouge with puggy quartz; quartz vein is brecciated and broken from 188.39 to 188.79 with a mixture of crushed fine grained pyrite, cohesive fault quartzite which is formed by the result of fracturing, shearing and grinding.
K-18-0700	191	192.07	QTZT	100				Fine	medium grey	Thick	medium grey quartzite which is moderately fractured due to the fault zone on the top and bottom of this zone, a tiny fault is also present in this zone.
K-18-0700	192.07	194	NR								
K-18-0700	194	194.23	FLT	100			g				graphitic schist fault gouge with few broken clasts of quartzite and graphitic schist.
K-18-0700	194.23	195.19	GSCH	100			g	Fine	black	Thick	black coloured graphitic schist with minor quartz stringers, disseminated pyrite is common in this zone.
K-18-0700	195.19	198.46	QTZT	100				Fine	medium grey	Very Thick	medium to dark grey quartzite with minor beds of graphitic schist; quartz strinegrs are common throughout the zone, pyritic intrusions @ 196.42m made the quartzite more siliceous from 196.32 to 196.72m.
K-18-0700	198.46	201.64	TQTZT	100			g	Fine	medium grey	Very Thick	medium grey coloured quartzite with thin beds of black coloured graphitic schist; quartz intrusions are more abundant from 199.04 to 199.46m.
K-18-0700	201.64	215.74	QTZT	100				Fine	medium grey	Very Thick	this zone is mixtute of less siliceous, moderately siliceous and leached quartzite beds; very minor beds of graphitic schist are present in between all thses beds, a few quartz stringers are present throughout the zone.
K-18-0700	215.74	220.45	TQTZT	100			g	Fine	medium grey	Very Thick	interbedded quartzite and grapphitic schist with minor beds of leached quartzite, highly siliceous quartzite with quartz vein @ greenstone sill contact which starts from 218.95 to 220.45m; includes minor pyritic intrision and rare foliaform quartz.
K-18-0700	220.45	223.29	GNST	100				Fine	green	Very Thick	greenstone sill with a few calcite stringers.

Hole	From m	To m	Lith1	Lith1 Pct	Lith2	Lith2 Pct	Mod1	Grain Size	Colour	Bedding Thickness	Comments
K-18-0700	223.29	226.68	GSCH	100			g	Fine	dark grey	Very Thick	dark grey graphitic schist with minor beds of quartzite beds, quartz unmineralized vein is present from 223.29 to 223.55m, more abundance of quartzite beds from 223.55 to 224.00m, quartz stringers are common in this zone.
K-18-0700	226.68	232.7	QTZT	100				Fine	medium grey	Very Thick	moderate to strongly fractured from 226.68 to 227.25m, leached quartzite bed from 227.50 to 227.73m, quartz stringers, veinlets and veins are common in this zone, moderately siliceous bed @ greenstone sill contact.
K-18-0700	232.7	235.26	GNST	100				Fine	green	Very Thick	greenstone sill with minor quartz lenses, highly silicified greenstone sill from 234.28 to 235.26m.
K-18-0700	235.26	236.76	QTZT	100				Fine	green-grey	Very Thick	light greenish grey coloured; highly siliceous and moderately foliated quartzite; weak pyrite intrusion.
K-18-0700	236.76	240.17	GSCH	100			g	Fine	dark grey	Very Thick	dark grey graphitic schist beds iwith minor beds of leached quartzite; rare siderite stringers.
K-18-0700	240.17	258.94	QTZT	100				Fine	medium grey	Very Thick	medium grey quartzite with minor beds of graphitic schist and leached quartzite, quartz stringers are present throughout the zone; rare siderite stringers.
K-18-0700	258.94	263.6	TQTZT	100			g	Fine	medium grey	Very Thick	interbedded quartzite and graphitic schist with a few quartz stringers; rare siderite stringers.
K-18-0700	263.6	273.2	QTZT	100				Fine	grey	Very Thick	moderately silicified. Lower 1.2m is strongly silicified, light grey. 271.0- 271.80m moderate fine to coarse disseminated pyyrotite and pyrite. Massive, ribbony quartz-pyrrhotite-pyrite-galena-sphalerite veinlets at 271.63m and 272.15m
K-18-0700	273.2	274.86	GSCH	100				Fine	dark grey	Very Thick	Either Planar foliated or strongly deformed. Silicified, but not oversaturated. High in foliaform pyrite, trace foliaform pyrrhotite grains. Vuggy quartz-siderite-pyrite-pyrrhotite-sphalerite-galena veinlet at 273.25m
K-18-0700	274.86	279.03	QTZT	100				Fine	grey	Very Thick	Competant, blocky, ribbony quartz sweats, minor disseminated coarse pyrite and finer pyrrhotite. Planar foliated.
K-18-0700	279.03	280	GSCH	100				Fine	black	Thick	Moderate thin interbed of dark grey quartzite. Convolute foliated, moderate disseminate pyrite.
K-18-0700	280	284	QTZT	100				Fine	grey	Very Thick	moderatly to heavily blocky fractured. Minor medium gsch bed high in disseminated pyrite. Massive to vuggy quartz-siderite-shalerite-galena? Veinlet at 283.10m
K-18-0700	284	284.75	VN	100				Coarse	white	Thick	Massive, stylolitic white quartz vein that falls apart easily. Stringers of pyrite-sphalerite-galena ranging hairline to mm scale.
K-18-0700	284.75	286.04	QTZT	100				Fine	grey	Very Thick	blocky fractured, silicified, ribbony stylolitic quartz vein with dickite? At 285.76-285.90m
K-18-0700	286.04	286.9	GSCH	100				Fine	dark grey	Thick	moderately deformed, high in disseminated pyrite.
K-18-0700	286.9	287.45	SM	100	QTZT			Coarse	brown	Thick	Moderate gashy stockwork of coarse pyrite-sphalerite and minor pyrrhotite-galena stringers in quartzite. 3cm wide white quartz veinlet at start of lith.
K-18-0700	287.45	287.73	VM	100				Coarse	brown	Medium	Coarse, vuggy to massive, pyrite vein breccia rebrecciated? By sphalerite. Moderate amount of rounded grey quartzite pebble clasts. Shot through by moderate pyrrhotite and intergrown with moderate amount of patches of crystalline galena.

Mineralization

From m	To m	Recovery m	O Limonite Int	O Manganese Int	H Quartz	H Siderite	H Carbonate	H Pyrite	H Pyrrhotite	H Galena	H Sphalerite	H Sulphosalt	H Arsenopyrite	D Pyrite	D Pyrrhotite	D Sphalerite	Vein Interval Pct	Comments
0	11.87	0																OVERBURDEN.
11.87	27.04		2	1										0.001				
27.04	34.9		3											0				strongly oxidized @ 31.01m ; rest of the zone is weak to moderately oxdized.
34.9	36.02		1											0				
36.02	52.83		2	1										0.001				
52.83	53.18		3															
53.18	56.51		2											0.1				
56.51	60.51		3											0.001				
60.51	64.47		2											0.1				moderate to strongly oxidized.
64.47	65.08		2											0.001				
65.08	65.58		2											0				
65.58	69.23		2											0.01				
69.23	71.77		2											0.01				
71.77	73.18		2											0.01				
73.18	79.31		2											0.01				
79.31	80.99		2											0.01				
80.99	82.17		2											0.05				
82.17	94.28		2											0.05				
94.28	102.15		2											0.07				
102.15	106.95		1											0.1				
106.95	113.68													0.01				
113.68	116.87													0.1				
116.87	121.69		1											0.3				
121.69	130.81													0.07				
130.81	134.58		1											0.12				
134.58	141.4													0.05				
141.4	146.85													0.1				
146.85	171.27													0.01				
171.27	174.4													0.1				
174.4	179.82													0.1				
179.82	182.22													0.1				
182.22	187.98													0.05				

From m	To m	Recovery m	O Limonite Int	O Manganese Int	H Quartz	H Siderite	H Carbonate	H Pyrite	H Pyrrhotite	H Galena	H Sphalerite	H Sulphosalt	H Arsenopyrite	D Pyrite	D Pyrrhotite	D Sphalerite	Vein Interval Pct	Comments
187.98	191													0.2				FAULT
191	192.07													0.05				
192.07	194	0																NO RECOVERY.
194	194.23													0.2				
194.23	195.19													0.6				
195.19	198.46													0.4				
198.46	201.64													0.15				
201.64	215.74													0.1				
215.74	220.45													0.15				
220.45	223.29													0.2				
223.29	226.68													0.1				
226.68	232.7													0.1				
232.7	235.26													0.1				
235.26	236.76													0.3				
236.76	240.17													0.1				
240.17	258.94													0.1				
258.94	263.64													0.1				
263.64	269.49													0.01				
269.49	271.6	2.11				0.1	0	0	0	0	0	0	0	2				High in fine to coarse disseminated pyrite. Sandy siderite pockets in a ribbony quartz veinlet.
271.6	273.2	1.599			25	0.1	0	1	0.1	1.5	0.5	0	0	0.1		0.5		Ribbony veinlets of coarse grain pyrite-galena+/- sphalerite in quartz and of galena in quartz. Porous leeched quartzite mineralized with disseminated specks of brown sphalerite.
273.2	273.7	0.5				2.5	0	3.5	0.1	2.5	0.1	0	0	0.01			8.5	Vuggy quartz mineralized with coarse-greeney siderite and then by coarse blobby pyrite and galena and trace pyrrhotite.
273.7	274.86	1.16			0	0	0	0	0	0	0	0	0	2				GSCH high in disseminated medium grain pyrite.
274.86	279.03										0.01			0.5				Some bands of QTZT high in medium to coarse dissem pyrite.
279.03	280													0.75				
280	281.48													0.01				
281.48	282.6	1.119				1	0	0	0	0	0	0	0	0.01				Sampling shoulder of quartite with some siderite strings.
282.6	284	1.4			8	1.5	0	0.1	0.01	0.1	2	0	0	0.1			12	Ribbony quartz veins steep to CA mineralized with coarse grained greeney siderite, coarse, very dark sphalerite and trace Galena,
284	284.75	0.75			80	1.5	0	1	0.5	0.01	1.5	0	0	0.01			84	Shardy quartz vein crosscut by stringers of greeney-coarse siderite and stringers of coarse grain pyrite-spahlerite-pyrrhotite and trace galena.
284.75	286.04	1.29				0.05	0	0.1	0	0	0.1	0	0	0.01				Ribbony quartz vein with minor patches of siderite. Minor hairline quartz-siderite-sphalerite stringers.
286.04	286.9				0	0	0	0	0	0	0.01		0	2				GSCH high in medium to coarse disseminated pyrite.
286.9	287.45	0.549			10	0.5	0.1	6	0.1	0.5	1	0	0	0.1			17	Ribbony quartz veinlet at top of sample with minor pyrite and siderite. Lower half of sample has vuggy, coarse pyrite-sphalerite veining brecciating the quartzite hostrock.
287.45	287.73	0.279			0	0	0	35	5	15	40	0	0				95	Coarse, vuggy to massive, pyrite vein breccia rebrecciated (rounded pyrite pebble clasts)? By sphalerite. Moderate amount of rounded grey quartzite pebble clasts. Shot through by moderate pyrrhotite and intergrown with moderate amount of patches of crystalline galena.

Assays

DHSample	From m	To m	DHSample Type	Primary Sample	Au Best ppm	Ag Best ppm	As Best ppm	Cd Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm	Au FA ppm	Ag ICP ppm	Ag OL ppm	Pb ICP ppm	Pb OL pct	Zn ICP ppm	Zn OL pct	Al ICP pct	As ICP ppm	Ba ICP ppm	Be ICP ppm	Bi ICP ppm	Ca ICP pct	Cd ICP ppm	Co ICP ppm	Cr ICP ppm
M379584	269.49	271.6	HCORE		-0.01	0.8	11	47.4	38	30	4180	-0.01	0.8		30		4180		3.84	11	620	1	-2	0.16	47.4	7	83
M379585	271.6	273.2	HCORE		0.03	0.9	7	106.5	47	13	8230	0.03	0.9		13		8230		1.34	7	170	-0.5	2	0.13	106.5	5	50
M379586	271.6	273.2	DUP	M379585	0.01	0.6	7	114	36	13	8790	0.01	0.6		13		8790		1.45	7	190	-0.5	-2	0.14	114	6	61
M379587	273.2	273.7	HCORE		-0.01	1.6	13	68.6	54	49	6090	-0.01	1.6		49		6090		6.99	13	380	1.9	-2	0.26	68.6	11	103
M379588	273.7	274.86	HCORE		-0.01	-0.5	8	3.8	28	7	441	-0.01	-0.5		7		441		4.79	8	720	1.1	-2	0.93	3.8	7	78
M379589	281.48	282.6	HCORE		-0.01	-0.5	-5	3.7	4	2	503	-0.01	-0.5		2		503		0.62	-5	80	-0.5	2	0.08	3.7	2	41
M379590	282.6	284	HCORE		-0.01	0.6	10	35.3	17	26	2600	-0.01	0.6		26		2600		1.6	10	210	-0.5	2	0.1	35.3	2	49
M379591	284	284.75	HCORE		-0.01	3.1	28	64.2	19	71	5360	-0.01	3.1		71		5360		0.33	28	40	-0.5	3	0.07	64.2	1	41
M379592	284.75	286.04	HCORE		-0.01	-0.5	22	9.2	7	16	785	-0.01	-0.5		16		785		0.9	22	130	-0.5	-2	0.05	9.2	1	45
M379593	286.04	286.9	HCORE		-0.01	0.7	44	4.1	23	36	375	-0.01	0.7		36		375		6.55	44	1000	1.5	-2	0.14	4.1	9	110
M379594	286.9	287.45	HCORE		0.09	40.5	420	154.5	163	2700	12600	0.09	40.5		2700		10000	1.26	0.71	420	50	-0.5	31	0.13	154.5	6	22
M379595	287.45	287.73	HCORE		0.19	383	975	858	372	36900	70500	0.19	100	383	10000	3.69	10000	7.05	0.36	975	20	-0.5	40	0.15	858	9	7

DHSample	Cu ICP ppm	Cu OL pct	Fe ICP pct	Ga ICP ppm	K ICP pct	La ICP ppm	Mg ICP pct	Mn ICP ppm	Mo ICP ppm	Na ICP pct	Ni ICP ppm	P ICP ppm	S ICP pct	Sb ICP ppm	Sc ICP ppm	Sr ICP ppm	Th ICP ppm	Ti ICP pct	Tl ICP ppm	U ICP ppm	V ICP ppm	W ICP ppm	SG gcm3	Lab	Certificate	Date Received
M379584	38		2.77	10	1.17	20	0.25	308	1	0.13	24	540	1.48	-5	6	56	-20	0.22	-10	-10	66	-10		ALS	WH18202370	8/18/2018
M379585	47		2.9	-10	0.21	10	0.39	182	-1	0.03	14	260	1.65	-5	4	13	-20	0.17	-10	-10	46	-10		ALS	WH18202370	8/18/2018
M379586	36		2.83	-10	0.23	10	0.43	184	-1	0.03	15	260	1.54	-5	5	13	-20	0.18	-10	-10	51	-10		ALS	WH18202370	8/18/2018
M379587	54		7.18	20	2.09	30	0.52	870	1	0.23	45	780	2.82	6	11	110	-20	0.31	-10	-10	112	-10		ALS	WH18202370	8/18/2018
M379588	28		2.89	10	1.29	20	0.46	271	2	0.14	29	580	1.01	5	8	85	-20	0.26	-10	-10	90	-10		ALS	WH18202370	8/18/2018
M379589	4		0.58	-10	0.23	10	0.04	354	-1	0.01	3	160	0.15	-5	1	7	-20	0.1	-10	-10	8	-10		ALS	WH18202370	8/18/2018
M379590	17		1.53	-10	0.5	10	0.14	654	-1	0.03	11	270	0.54	-5	3	14	-20	0.13	-10	-10	26	-10		ALS	WH18202370	8/18/2018
M379591	19		2.63	-10	0.1	-10	0.03	666	-1	0.02	5	100	1.11	18	1	4	-20	0.04	-10	-10	5	-10		ALS	WH18202370	8/18/2018
M379592	7		1.57	-10	0.3	10	0.06	388	-1	0.02	5	150	0.39	-5	1	12	-20	0.1	-10	-10	14	-10		ALS	WH18202370	8/18/2018
M379593	23		2.62	10	2.4	30	0.31	191	1	0.1	37	570	1.28	12	11	68	-20	0.34	-10	-10	125	-10		ALS	WH18202370	8/18/2018
M379594	163		13.25	-10	0.16	10	0.09	530	-1	0.02	14	300	10	51	1	6	-20	0.02	-10	-10	12	-10	3.03	ALS	WH18202370	8/18/2018
M379595	372		31.1	-10	0.06	-10	0.07	2720	-1	0.02	17	60	10	405	1	2	-20	0.01	-10	-10	5	10	4.23	ALS	WH18202370	8/18/2018

Structures

Hole	From_m	To_m	Struct_Level	Struct_Code	Struct_Mod1	Struct_Mod2	Struct_Mod3	Struct_Alpha	Struct_Beta	Strike	Dip	Comments
K-18-0700	14.38	14.39	1	FN				65				
K-18-0700	14.53	14.54	1	STR				65				
K-18-0700	16.51	16.52	1	FN				60				
K-18-0700	21.85	21.86	1	FN				71				
K-18-0700	26.32	26.33	1	FN				69				
K-18-0700	27.1	27.11	1	FN				66				
K-18-0700	31.78	31.79	1	FN				70				
K-18-0700	35.69	35.7	1	FN				66				
K-18-0700	41.29	41.3	1	FN				64				
K-18-0700	44	44.01	1	FN				69				
K-18-0700	46.28	46.29	1	FN				72				
K-18-0700	51.36	51.37	1	FN				78				
K-18-0700	51.37	51.38	1	STR				77				
K-18-0700	53	53.01	1	FN				72				
K-18-0700	55.73	55.74	1	FN				65				
K-18-0700	59.51	59.52	1	FN				64				
K-18-0700	62.69	62.7	1	FN				67				
K-18-0700	64.81	64.82	1	FN				62				
K-18-0700	65.42	65.43	1	FN				72				
K-18-0700	66.1	66.11	1	FN				68				
K-18-0700	67.76	67.77	1	FN				76				
K-18-0700	70.4	70.41	1	FN				68				
K-18-0700	72.34	72.35	1	FN				81				
K-18-0700	75.68	75.69	1	FN				64				
K-18-0700	78.2	78.21	1	STR				70				
K-18-0700	79.58	79.59	1	FN				65				
K-18-0700	81.51	81.52	1	FN				74				
K-18-0700	84.29	84.3	1	FN				65				
K-18-0700	84.92	84.93	1	STR				60				
K-18-0700	89.44	89.45	1	FN				67				
K-18-0700	92.52	92.53	1	FN				70				
K-18-0700	96.69	96.7	1	FN				78				
K-18-0700	98.09	98.1	1	STR				60				
K-18-0700	99.88	99.89	1	STR				58				
K-18-0700	101.28	101.29	1	FN				74				
K-18-0700	104.5	104.51	1	FN				61				
K-18-0700	109.06	109.07	1	FN				60				
K-18-0700	113.57	113.58	1	FN				60				
K-18-0700	115.32	115.33	1	FN				64				
K-18-0700	119.46	119.64	1	SH								graphitic schist gouge with puggy quartz.
K-18-0700	121.63	121.64	1	FN				63				
K-18-0700	125	125.01	1	FN				50				
K-18-0700	128.65	128.66	1	FN				65				
K-18-0700	128.84	128.85	1	STR				64				
K-18-0700	132.58	132.59	1	FN				50				
K-18-0700	138.97	138.98	1	FN				75				
K-18-0700	144.11	144.12	1	FN				68				
K-18-0700	152.26	152.27	1	FN				71				
K-18-0700	157.03	157.04	1	FN				72				
K-18-0700	162.98	162.99	1	FN				63				
K-18-0700	168.79	168.8	1	FN				71				
K-18-0700	171.88	171.89	1	FN				77				
K-18-0700	177.03	177.04	1	FN				70				
K-18-0700	181.5	181.51	1	FN				68				
K-18-0700	187	187.01	1	FN				65				
K-18-0700	187.98	191	1	FLT	bx	bk	go					graphitic schist fault gouge with puggy quartz; quartz vein is brecciated and broken from 188.39 to 188.79 with a mixture of crushed fine grained pyrite, cohesive fault quartzite which is formed by the result of fracturing, shearing and grinding.
K-18-0700	194	194.23	1	FLT								graphitic schist fault gouge with few broken clasts of quartzite and graphitic schist.
K-18-0700	194.77	194.78	1	FN				61				
K-18-0700	197	197.01	1	FN				73				
K-18-0700	199.75	199.76	1	FN				73				
K-18-0700	201.67	201.68	1	FN				75				
K-18-0700	201.79	201.8	1	STR				51				
K-18-0700	207.59	207.6	1	FN				74				
K-18-0700	211.35	211.86	1	FN				57				
K-18-0700	215	215.01	1	FN				72				
K-18-0700	218.13	218.14	1	FN				68				
K-18-0700	221.57	221.58	1	FN				72				
K-18-0700	224.78	224.79	1	FN				2				
K-18-0700	232.29	232.3	1	FN				72				
K-18-0700	233.37	233.38	1	FN				76				
K-18-0700	236.36	236.37	1	FN				60				
K-18-0700	237.18	237.19	1	FN				58				
K-18-0700	242.53	242.54	1	FN				63				
K-18-0700	248.21	248.22	1	FN				67				
K-18-0700	256.43	256.44	1	FN				72				
K-18-0700	257.26	257.27	1	STR				72				
K-18-0700	261.22	261.23	1	FN				66				
K-18-0700	261.92	261.93	1	FN				74				
K-18-0700	261.93	261.94	1	VNLT				73				
K-18-0700	264.18	264.19	1	FN				72				

Hole	From_m	To_m	Struct_Level	Struct_Code	Struct_Mod1	Struct_Mod2	Struct_Mod3	Struct_Alpha	Struct_Beta	Strike	Dip	Comments
K-18-0700	264.85	264.86	1	FN				71				
K-18-0700	265.67	265.68	1	FN				79				
K-18-0700	267.93	267.94	1	STR				63				
K-18-0700	268.12	268.13	1	FN				55				
K-18-0700	272.15	272.16	1	VNLT	o			75				Coarse pyrite-sphalerite veinlet steep to CA
K-18-0700	272.48	272.49	1	FN				67				
K-18-0700	273.22	273.23	1	FN				69				
K-18-0700	273.25	273.26	1	VNLT	o	vu		74				Vuggy, coarse grained pyrite-siderite-sphalerite-galena? Veinlet
K-18-0700	274.1	274.11	1	FN				70				
K-18-0700	274.86	274.87	1	FN				70				
K-18-0700	277.7	277.71	1	FN				69				
K-18-0700	278.68	278.69	1	STR				57				
K-18-0700	282.6	282.61	1	VNLT	o	vu		65				Vuggy, coarse grained quartz-siderite-sphalerite veinlet.
K-18-0700	283.69	283.7	1	FN				65				
K-18-0700	284	284.75	1	VN	o	bk		70				Broken up white quartz vein with crosscutting stringers of pyrite-sphalerite and siderite.
K-18-0700	285.36	285.37	1	STR				29				
K-18-0700	285.76	285.77	1	FN				65				
K-18-0700	286.9	287.45	1	STR	o							Quartz-pyrite-sphalerite stringer zone in hanging wall of VM below.
K-18-0700	287.45	287.73	1	VM	mf	bx	o	30				Unsure about alpha angle. VM Filled with Pyrite-Sphalerite-galena.

Stratigraphy

Hole	From_m	To_m	Strat	Avg_Alpha	True_Thickness	Comments
K-18-0700	0	11.87	Qs			
K-18-0700	11.87	27.04	MKq	66	13.86	
K-18-0700	27.04	34.9	TRgn	68	7.29	
K-18-0700	34.9	56.51	MKq	69	20.17	
K-18-0700	56.51	60.51	MKs	64	3.6	
K-18-0700	60.51	64.47	MKg	67	3.65	
K-18-0700	64.47	102.15	MKq	70	35.41	
K-18-0700	102.15	106.95	MKg	61	4.2	
K-18-0700	106.95	116.87	MKq	61	8.68	
K-18-0700	116.87	121.69	MKg	63	4.29	
K-18-0700	121.69	174.4	MKq	66	48.15	
K-18-0700	174.4	179.82	MKg	70	5.12	
K-18-0700	179.82	187.98	MKq	66	7.43	
K-18-0700	187.98	191	FLT			
K-18-0700	191	220.45	MKq	69	27.49	
K-18-0700	220.45	223.29	TRgn	72	2.7	
K-18-0700	223.29	232.7	MKq	37	5.66	
K-18-0700	232.7	235.26	TRgn	76	2.48	
K-18-0700	235.26	236.76	MKq	60	1.3	
K-18-0700	236.76	240.17	MKg	58	2.89	
K-18-0700	240.17	287.45	MKq	68	43.84	Mineralized Quartz veinlet at 284-284.75m
K-18-0700	287.45	287.73	VM	30	0.14	Coarse, vuggy to massive, pyrite vein breccia (rounded pyrite pebble clasts) by sphalerite. Moderate amount of rounded grey quartzite pebble clasts. Shot through by moderate pyrrhotite and intergrown with moderate amount of patches of crystalline galena.

Specific Gravity

Hole	Depth_m	Wgt_Air	Wgt_H2O	SG_Calc	Length	Rock_Type	Comments
K-18-0700	285.76	1079.2	669.6	2.63	15	QTZT	
K-18-0700	287.54	1910.2	1043.5	2.2	19	VM	

K-18-0701

Surveys

Hole	Depth m	Pull Back	Code	Raw Azimuth	Correction Factor	Corrected Azimuth	Dip	Mag Field	Temp	Roll	Date Surveyed	Instrument
K-18-0701	0		1			305	-72					
K-18-0701	23	6	1	290.3	20	310.3	-72	5784	21.6	261.4	7/24/2018	Reflex
K-18-0701	47	6	1	292.3	20	312.3	-72	5741	27.5	11.5	7/24/2018	Reflex
K-18-0701	71	6	1	293.4	20	313.4	-71.8	5744	24.6	316	7/24/2018	Reflex
K-18-0701	95	6	1	294.8	20	314.8	-71.5	5748	21.1	280.6	7/24/2018	Reflex
K-18-0701	125	6	1	296.8	20	316.8	-71.4	5744	29	76.6	7/25/2018	Reflex
K-18-0701	149	6	1	298.2	20	318.2	-71.1	5747	23.7	339.6	7/25/2018	Reflex
K-18-0701	173	6	1	301.7	20	321.7	-71.6	5745	23.6	123.5	7/25/2018	Reflex
K-18-0701	197	6	1	303.5	20	323.5	-71.3	5749	19.8	93.9	7/27/2018	Reflex
K-18-0701	224	6	1	305.9	20	325.9	-70.5	5743	19.8	301.9	7/27/2018	Reflex
K-18-0701	248	6	1	305.9	20	325.9	-70.9	5777	26.6	79.7	7/28/2018	Reflex
K-18-0701	272	6	1	307	20	327	-70.1	5739	21.2	68.5	7/28/2018	Reflex

Geotech

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0701	0	14	14	0.68	4.86	0	0	drill spun overburden
K-18-0701	14	17	3	2.92	97.33	0.12	4	moderately fractured qtzt with oxidation staining on fracture surfaces.
K-18-0701	17	20	3	2.92	97.33	0.26	8.67	moderately fractured qtzt with oxidation staining on fracture surfaces
K-18-0701	20	23	3	2.96	98.67	1.15	38.33	moderately fractured qtzt with oxidation staining on fracture surfaces
K-18-0701	23	26	3	3.16	105.33	0.72	24	moderately fractured qtzt with oxidation staining on some fracture surfaces
K-18-0701	26	29	3	3.03	101	1.7	56.67	
K-18-0701	29	32	3	3	100	1.27	42.33	
K-18-0701	32	35	3	3	100	1.3	43.33	
K-18-0701	35	38	3	3	100	0.56	18.67	
K-18-0701	38	41	3	3	100	1.77	59	
K-18-0701	41	44	3	3	100	0.74	24.67	
K-18-0701	44	47	3	3.1	103.33	0.76	25.33	
K-18-0701	47	50	3	2.95	98.33	1.56	52	
K-18-0701	50	53	3	2.55	85	0.79	26.33	
K-18-0701	53	56	3	3	100	1.5	50	
K-18-0701	56	59	3	3.05	101.67	1.04	34.67	
K-18-0701	59	62	3	3.1	103.33	1.55	51.67	
K-18-0701	62	65	3	3	100	1.35	45	
K-18-0701	65	68	3	3	100	1.1	36.67	
K-18-0701	68	71	3	2.9	96.67	1.85	61.67	
K-18-0701	71	74	3	3	100	1.1	36.67	
K-18-0701	74	77	3	3	100	1.6	53.33	
K-18-0701	77	80	3	2.85	95	2.4	80	
K-18-0701	80	83	3	3	100	2.33	77.67	
K-18-0701	83	86	3	3	100	2.62	87.33	
K-18-0701	86	89	3	3	100	2.12	70.67	
K-18-0701	89	92	3	3	100	2.15	71.67	
K-18-0701	92	95	3	3.1	103.33	2.03	67.67	
K-18-0701	95	98	3	3	100	2.43	81	
K-18-0701	98	101	3	3.04	101.33	1.5	50	
K-18-0701	101	104	3	3.15	105	1.7	56.67	
K-18-0701	104	107	3	3	100	1.02	34	
K-18-0701	107	110	3	2.6	86.67	0	0	Small fault causing the loss likely. Blocked.
K-18-0701	110	113	3	1.9	63.33	0.56	18.67	NR of 1.1m. One blok, one bit change.
K-18-0701	113	116	3	2.23	74.33	0.3	10	
K-18-0701	116	119	3	1.14	38	0	0	Bad ground.
K-18-0701	119	122	3	2.7	90	0.38	12.67	
K-18-0701	122	125	3	2.88	96	0.67	22.33	
K-18-0701	125	128	3	3.1	103.33	1.68	56	
K-18-0701	128	131	3	2.4	80	0.62	20.67	0.3mNR, one block.
K-18-0701	131	134	3	2.85	95	0.62	20.67	
K-18-0701	134	137	3	3.15	105	0.9	30	
K-18-0701	137	140	3	2.8	93.33	0.6	20	
K-18-0701	140	143	3	3	100	0.39	13	
K-18-0701	143	146	3	3	100	0.9	30	
K-18-0701	146	149	3	2.6	86.67	0.58	19.33	
K-18-0701	149	152	3	2.6	86.67	0.31	10.33	
K-18-0701	152	155	3	2.05	68.33	0.59	19.67	Blocked. Poor recovery, rubbley rock.
K-18-0701	155	158	3	3	100	0.67	22.33	
K-18-0701	158	161	3	3.12	104	0.92	30.67	
K-18-0701	161	164	3	2.85	95	1.6	53.33	
K-18-0701	164	167	3	3.1	103.33	1.4	46.67	
K-18-0701	167	170	3	3.02	100.67	2.26	75.33	
K-18-0701	170	173	3	3.06	102	1.46	48.67	
K-18-0701	173	176	3	3.06	102	0.84	28	
K-18-0701	176	179	3	3.02	100.67	0	0	
K-18-0701	179	182	3	2.7	90	0.53	17.67	
K-18-0701	182	185	3	3.08	102.67	0.11	3.67	
K-18-0701	185	188	3	2.85	95	0	0	
K-18-0701	188	191	3	2.67	89	0.1	3.33	
K-18-0701	191	194	3	2.55	85	0.25	8.33	
K-18-0701	194	197	3	2.85	95	0.76	25.33	
K-18-0701	197	200	3	3.07	102.33	0.74	24.67	
K-18-0701	200	203	3	2.95	98.33	0.23	7.67	
K-18-0701	203	206	3	2.44	81.33	0.48	16	
K-18-0701	206	209	3	3.1	103.33	1.23	41	

Hole	From m	To m	Interval Length	Recovery m	Recovery Pct	RQD m	RQD Pct	Comments
K-18-0701	209	212	3	2.59	86.33	0.8	26.67	
K-18-0701	212	215	3	2.27	75.67	0.34	11.33	
K-18-0701	215	218	3	2.97	99	0.84	28	
K-18-0701	218	221	3	3.04	101.33	1.08	36	
K-18-0701	221	224	3	2.95	98.33	0.57	19	
K-18-0701	224	227	3	2.87	95.67	0.8	26.67	
K-18-0701	227	230	3	3	100	1.83	61	
K-18-0701	230	233	3	2.8	93.33	0.38	12.67	
K-18-0701	233	236	3	3.2	106.67	0.99	33	
K-18-0701	236	239	3	3.1	103.33	1.1	36.67	
K-18-0701	239	242	3	2.9	96.67	1.2	40	
K-18-0701	242	245	3	3	100	2.75	91.67	
K-18-0701	245	248	3	3	100	2.2	73.33	
K-18-0701	248	251	3	3	100	1.08	36	
K-18-0701	251	254	3	3	100	1.69	56.33	
K-18-0701	254	257	3	3	100	1.26	42	
K-18-0701	257	260	3	2.85	95	0.91	30.33	
K-18-0701	260	263	3	3.15	105	0.8	26.67	
K-18-0701	263	266	3	3	100	2.36	78.67	
K-18-0701	266	269	3	2.85	95	1.53	51	
K-18-0701	269	272	3	2.8	93.33	1.6	53.33	
K-18-0701	272	275	3	2.9	96.67	0.84	28	

Lithology

Hole	From_m	To_m	Lith1	Lith1_Pct	Lith2	Lith2_Pct	Mod1	Grain_Size	Colour	Bedding_Thickness	Comments
K-18-0701	0	28.65	QTZT	100				Fine	grey	Very Thick	Moderately fractured, blocky, silicified. Orange-red oxide staining on all fracture surfaces. Minor thin to medium beds of silica oversaturated, rotted-texture graphitic schist beds. Minor yellow tinged quartz veinlets near top 2m. Gashy cm length quartz lenses 27.35-27.85m.
K-18-0701	28.65	29.7	SSCH	100				Fine	green	Thick	Gradating from Pale green, planar foliated, strongly silicified sericite schist to silica oversaturated cavey-rotted textured sericite schist, to planar foliated, silicified, undeformed sericite schist. Overall tinge of orange-oxides.
K-18-0701	29.7	37.18	CHSCH	100				Fine	green	Very Thick	Wavy foliated with pervasive weak to medium foliaform oxidation. Moderately broken along foliation.
K-18-0701	37.18	38	GSCH	100				Fine	grey	Thick	Moderate to strong oxidation along planar ro wavy foliations.
K-18-0701	38	51.45	QTZT	100				Fine	grey	Very Thick	Planar, porous, oxidated foliations throughout. Otherwsie silicified, moderately fractured. 42.50-43.50 has borderline gossonous breccia texture supporting clasts of grey quartzite as well as a near axial rotted, wavy quartz veinlet. Minor diagenetic quartz throughout, often rotted. Cavey-oxide filled stringers increasing 49.45-51.45m
K-18-0701	51.45	53.3	QTZT	100				Fine	red-brown	Very Thick	Heavily fractured quartzite crosscut by ribbony, orangey quartz veinlets bordered at least once by gossonous red and orange-white hydrothermal alteration clays.
K-18-0701	53.3	58.35	TQTZT	100				Fine	grey-brown	Thin	Silicified quartzite with thin laminations of GSCH, oxide staining on every joint.
K-18-0701	58.35	65.7	TQTZT	100				Fine	grey-brown	Medium	pervasive oxidation and rotted texture in foliations of graphitic schist beds. Orangey, rotted quartz veining and bedding deformation at 58.35-59.65m
K-18-0701	65.7	66	FLT	100				Fine	brown	Medium	Milled oxidated quartzite fill.
K-18-0701	66	71.3	QTZT	100				Fine	grey-brown	Very Thick	Rotted texture and borderline gossonous at 66.55-67.20m. Gossonous chunks and sand 70.8-71.15m High in gashy, rotted quartz stringer network 67.55-69.30m as well as rotted out strongly Iron oxide statined stringer cavities.
K-18-0701	71.3	72.75	GSCH	100				Fine	grey-brown	Very Thick	High in foliaform oxidation. Wavy foliated.
K-18-0701	72.75	74.65	SSCH	100				Fine	green-brown	Very Thick	High in foliaform oxidation and rotted foliation texture.
K-18-0701	74.65	75.28	GSCH	100				Fine	grey-brown	Thick	high in foliaform oxidation.
K-18-0701	75.28	76.1	SSCH	100				Fine	green-brown	Thick	Rotten, red quartz veinlet at 76.0-76.05
K-18-0701	76.1	76.8	GSCH	100				Fine	black	Thick	High in foliaform oxidation.
K-18-0701	76.8	84	SSCH	100				Fine	green	Very Thick	High in foliaform oxidation, Moderately oversaturated in orange tinged silica.
K-18-0701	84	87.35	GSCH	100				Fine	brown-grey	Very Thick	deformed, strongly silica oversaturated, roted texture. High in foliaform oxides.
K-18-0701	87.35	89.53	QTZT	100				Fine	grey	Very Thick	Silicified, Competant but with oxide staining on fracture surfaces.moderate medium sized beds of oxidated, rotted graphiti schist beds.
K-18-0701	89.53	94.7	TQTZT	100				Fine	grey	Medium	Moderate porous oxide foliations.
K-18-0701	94.7	97.05	QTZT	100	VN			Fine	grey	Very Thick	Deformed quartzite crosscut by ribbony, cavey, red-orange rotted quartz veinlets and veins. Overall very pitted. Minor pyrite fill in vugs and as stringers.
K-18-0701	97.05	100.75	GSCH	100	VN			Fine	black	Very Thick	Deformed graphitic schist with pervasive, orangey, rotted foliaform quartz and quartz stringers. Oxidation ceases at 99.80m. Vuggy quartz-pyrite veinlet at 100.65-100.75m
K-18-0701	100.75	105.95	QTZT	100				Fine	grey	Very Thick	Silicified with minor network of grey quartz stringers and a shallow to CA coarse grained quartz-dickite veinlet at 100.75-100.85m. Coarse pyrite in quartz vugs at 105-105.95m.
K-18-0701	105.95	106.85	FLT	100				Fine	light grey	Thick	Fault filled with puggy grey quartzite, grey buffed puggy to milled quartz, minor light green clay and minor pyrite.
K-18-0701	106.85	122.75	QTZT	100				Fine	grey	Very Thick	Heavily mechanically fractured, moderately silicified, with minor planar quartz-pyrite stringers, some ~10cm length sof more intense wormy grey quartz stringers. Milled minor fault at 108.50-108.70m Hairline siderite stringers beginning 120.15-121.30m
K-18-0701	122.75	124.5	QTZT	100	SM			Fine	grey	Very Thick	Increased silicification, high in hairline quartz fractures. Ribbony, sub parallel, steep to CA pyrite stringers sometimes mineralized with fine grain roan red sphalerite with rare trace galena?. Minor siderite stringers.
K-18-0701	124.5	129.85	QTZT	100				Fine	grey	Very Thick	Moderately silicified, Gradating fin and out of high in hairline fracture to minor fracturing. Heavy mechanical fracturing 127.50-129.65m Minor medium grain pyrite blebs and strings.
K-18-0701	129.85	139.55	QTZT	100	SM			Fine	grey	Very Thick	Moderately silicified, moderate to high in hairline fracturing filled with pyrite. Vugs lined with fine to medium grain pyrite.
K-18-0701	139.55	144.05	TQTZT	100				Fine	dark grey	Medium	Crumbly to discing black schist beds and strongly silicified beds of quartzite. Marked decrease in pyrite.
K-18-0701	144.05	157.25	QTZT	100				Fine	light grey	Very Thick	moderately to heavily mechanically fractured, strongly silicifed, borderline massive, with minor stringers of pyrite.
K-18-0701	157.25	159.15	SSCH	100				Fine	light grey	Very Thick	Silicified sericite schist in contact with greenstone sill.
K-18-0701	159.15	175.4	GNST	100				Fine	green	Very Thick	Weakly to moderately clay altered throughout. Minor siderite-sphaleirte stringers ~171-172m with one 8cm wide coarse siderite-sphalerite veinlet at 170.75-171.83m.
K-18-0701	175.4	177.73	TQTZT	100				Fine	grey	Medium	Silicified, occasionally leeched and porous quartzite beds and planar, pyritic graphitic schist beds.
K-18-0701	177.73	178.7	GSCH	100				Fine	black	Thick	Silica oversaturated, sugary-vuggy foliaform quartz mineralized with pyrite at 178.65m. Graphitic gouge at 178.0-178.10m
K-18-0701	178.7	180.5	TQTZT	100				Fine	grey	Medium	Planar, pyritic graphitic schist beds and silicified quartzit beds. Rotted grey, ribbony quartz veinlets with bladed siderite in vugs at 179.40-179.55m
K-18-0701	180.5	187.82	GSCH	100				Fine	black	Very Thick	Readily discing, silica oversaturated throughout. Quartz sweats are porous-rotted texture. High in disseminated pyrite. Minor beds of fractured, porous leeched quartzite. Sheared, fabric softened schist at 183.05-183.55m
K-18-0701	187.82	197.85	QTZT	100				Fine	grey	Very Thick	Moderately mechanically fractured, moderately silicfied rock. Ribbony, red tinged quartz vein at 188.20-188.30m. White, prismatic, comb textured quartz veinlet at 196.85-197.0m Vugs have some light green clay mineralization (dickite?)
K-18-0701	197.85	200.35	TQTZT	100	QTZT			Fine	grey	Medium	Medium to thick interbeds of moderately silicified quartzite andweakly deformed, pyritic graphitic schist bearing moderate grey quartz sweats.
K-18-0701	200.35	205.1	QTZT	100				Fine	grey	Very Thick	mechanically fractured, moderately to highly silicified beds interbedded with minor medium leeched porous beds of quartzite. Minor <10cm graphitic schist beds with ribbony, vuggy grey quartz sweats with minor pyrite.
K-18-0701	205.1	207.75	TQTZT	100				Fine	black	Thin	Readily discing, leeched, porous thin quartzite beds bedded with black graphitic schist. Moderately pyritic. 206-206.5 interbedded with sericite schist. In contact with greenstone sill.
K-18-0701	207.75	210.85	GNST	100				Medium	green	Very Thick	Weakly clay altered, near axial undulatory, vuggy quartz-dickite veinet running 208.30-208.85m and again for 10cm at 209.70m. Phenocrysts are elongate but still black coloured for the upper 2/3.

Hole	From_m	To_m	Lith1	Lith1_Pct	Lith2	Lith2_Pct	Mod1	Grain_Size	Colour	Bedding_Thickness	Comments
K-18-0701	210.85	215.8	GSCH	100	QTZT			Fine	black	Very Thick	Top 25cm is silicified (contact with Greenstone unit), Moderately pyritic, lamination sof quartzite are grey and leeched porous. Minor medium beds of silicifed dark grey quartzite.
K-18-0701	215.8	220.23	QTZT	100				Fine	grey	Very Thick	Strongly silicified with blobby to ribbony grey quartz veining scattered throughout.about half og the quartz is vuggy.
K-18-0701	220.23	220.93	GSCH	100				Fine	black	Thick	Moderate pyrite, minor laminations of leeched quartzite.
K-18-0701	220.93	236.9	QTZT	100				Fine	grey	Very Thick	Thick interbeds of relatively competant (only breaking along foliation really) Leeched and porous quartzite beds and beds of strongly silicified, nearly massive quartzite.
K-18-0701	236.9	240.05	TQTZT	100				Fine	grey	Medium	Planar foliated, moderate silica oversaturation. Lowest 30cm becoming leeched and green tinged as getting closer to greenstone sill.
K-18-0701	240.05	248.55	GNST	100				Medium	green	Very Thick	Hard, competant lith. Weakly clay altered to 241.70m then relatively unaltered with stretched black phenocrysts present. Very low in silica save for one ribbony quartz-calcite-dickite veinlet at 243.35m.
K-18-0701	248.55	249.5	SCH	100				Fine	green	Thick	Silicified metasomatic schist beneath greenstone sill.
K-18-0701	249.5	256.25	QTZT	100				Fine	grey	Very Thick	Strongly silicified grey quartzite with minor interbedded medium GSCH beds.
K-18-0701	256.25	262.5	TQTZT	100				Fine	black	Medium	Planar foliated, medium beds of strongly silicfied, dark quartzite and often pyritic, graphitic schist.Trace tan siderite at 259.50m in qz stringer
K-18-0701	262.5	273	QTZT	100				Fine	dark grey	Very Thick	Strongly silicified, carbonaceous quartzite breaking exclusively along foliation.Low in foliaform quartz.

Mineralization

From m	To m	Limonite Int	H Quartz	H Siderite	H Carbonate	H Pyrite	H Pyrrhotite	H Galena	H Sphalerite	H Sulphosalt	H Arsenopyrite	D Pyrite	Vein Pct	Comments
0	28.65	1										0.01		nothing still reduced.
28.65	29.7	1										0.001		
29.7	37.18	2										0.001		all grains have been oxidized
37.18	38	2										0.001		
38	51.45	2										0.01		
51.45	53.3	3										0		
53.3	58.35	1										0.001		
58.35	65.7	2										0.01		
65.7	66											0		
66	71.3	2										0		
71.3	72.75	2												
72.75	74.65	2										0		
74.65	75.28	2										0		
75.28	76.1	2										0		
76.1	76.8	2										0		
76.8	84	2										0		
84	87.35	2										0.1		
87.35	89.53	1										0.1		
89.53	94.7	2										0.5		
94.7	97.05	2				1						0.1		
97.05	100.75	2				0.1						0.5		
100.75	105.95	0				0.1						0.1		
105.95	106.85											0.05		
106.85	122.75											0.01		
122.75	124.5					1.5						0.1		
124.5	129.85					0.5						0.1		
129.85	139.55					1.5						0.1		
139.55	144.05											0.1		
144.05	157.25					0.01						0.01		
157.25	159.15											0		
159.15	175.4											0.01		
175.4	177.73					0.5						0.1		
177.73	178.7					0.5						0.1		
178.7	180.5											0.01		
180.5	187.82											2		
187.82	197.85											0.01		
197.85	200.35											0.1		
200.35	205.1											0.001		
205.1	207.75											0.1		
207.75	210.85											0		
210.85	215.8											0.5		
215.8	220.23											0.001		
220.23	220.93											1		
220.93	236.9											0.01		
236.9	240.05											0.01		
240.05	248.55											0		
248.55	249.5											0.01		
249.5	256.25											0.001		
256.25	262.5											0.01		
262.5	273											0		

Structures

Hole	From m	To m	Struct Level	Struct Code	Struct Mod1	Struct Mod2	Struct Alpha	Struct Beta	Strike	Dip	Vergence	Comments
K-18-0701	14.32	14.33	1	FN			43					
K-18-0701	16.29	16.3	1	FN			56					
K-18-0701	17.77	17.78	1	FN			51					
K-18-0701	20.42	20.43	1	FN			45					
K-18-0701	23.88	23.89	1	FN			53					
K-18-0701	26.13	26.14	1	FN			35					
K-18-0701	29.35	29.36	1	FN			61					
K-18-0701	31.91	31.92	1	FN			49					
K-18-0701	35.22	35.23	1	FN			48					
K-18-0701	36.82	36.83	1	FN			50					
K-18-0701	39.42	39.43	1	FN			60					
K-18-0701	41.32	41.33	1	FN			52					
K-18-0701	44.1	44.11	1	FN			59					
K-18-0701	47.08	47.09	1	FN			58					
K-18-0701	48.73	48.74	1	FN			61					
K-18-0701	50.55	50.56	1	FN			65					
K-18-0701	51.45	53.3	1	STR	n	vu						Ribbony, orange quartz stringers and veinlets.
K-18-0701	53.5	53.51	1	FN			53					
K-18-0701	55.28	55.29	1	FN			68					
K-18-0701	57.56	57.57	1	FN			69					
K-18-0701	58.35	59.3	1	STR	o							Orangey stringers of quartzite.
K-18-0701	59.3	59.6	1	VNLT	vu		65					Vuggy, rotted, orange tinged quartz vein
K-18-0701	60.35	60.36	1	FN			60					
K-18-0701	63.25	63.26	1	FN			62					
K-18-0701	64.94	64.95	1	FN			62					
K-18-0701	65.7	66	1	FLT								Fill of brown milled quartzite.
K-18-0701	66.45	66.46	1	FN			69					
K-18-0701	67.35	69.3	2	STR								Directionless moderate stockwork of quartz stringers.
K-18-0701	68.19	68.2	1	FN			45					
K-18-0701	71.45	71.46	1	FN			53					
K-18-0701	72.94	72.95	1	FN			62					
K-18-0701	75.42	75.43	1	FN			61					
K-18-0701	77.43	77.44	1	FN			56					
K-18-0701	79.45	79.46	1	FN			63					
K-18-0701	82.57	82.58	1	FN			62					
K-18-0701	85.05	85.06	1	FN			53					
K-18-0701	86.94	86.95	1	FN			59					
K-18-0701	88.89	88.9	1	FN			54					
K-18-0701	90.67	90.68	1	FN			56					
K-18-0701	92	92.01	1	FN			65					
K-18-0701	94.15	94.16	1	FN			54					
K-18-0701	94.7	97.05	1	STR	vu	o						Vuggy, rusty tinged quartz veining with coarse pyrite mineralization.
K-18-0701	97.05	99.25	2	SHZ								Deformed foliation, pyrite-quartz mineralization.
K-18-0701	98	98.01	1	FN			73					
K-18-0701	99.24	99.25	1	FN			51					
K-18-0701	100.56	100.57	1	FN			45					
K-18-0701	101.55	101.56	1	FN			74					
K-18-0701	102.31	102.32	1	FN			63					
K-18-0701	103.82	103.83	1	FN			65					
K-18-0701	104.69	104.7	1	FN			48					
K-18-0701	105.42	105.43	1	FN			52					
K-18-0701	105.43	105.44	1	FN			53					
K-18-0701	105.95	106.85	1	FLT			70					Unsure about alpha. Filled with puggy to milled grey quartz, grey quartzite and moderate in disseminated pyrite.
K-18-0701	107.49	107.5	1	FN			41					
K-18-0701	108.5	108.7	1	FLT	n							Puggy grey quartzite and grey quartz.
K-18-0701	109.53	109.54	1	FN			23					
K-18-0701	113.72	113.73	1	FN			75					
K-18-0701	116	119	2	RZ	bk							Rubbley and poor recovery.
K-18-0701	118.92	118.93	1	FN			75					
K-18-0701	119.96	119.97	1	FN			58					
K-18-0701	122.24	122.25	1	FN			57					
K-18-0701	122.75	124.5	1	STR			39	290	225	33		Stringers of pyrite and fine grained sphalerite. Alternate solution 009/67. FN of 50 and ref plane of 94, dip 30-60
K-18-0701	125.17	125.18	1	FN			69					
K-18-0701	127.16	127.17	1	FN			46					
K-18-0701	127.5	129.85	1	FRZ								
K-18-0701	129.85	131	2	STR								webby stringers of pyrite.
K-18-0701	130.4	130.41	1	FN			54					
K-18-0701	133.41	133.42	1	FN			29					
K-18-0701	135.45	139.55	2	STR								Pyrite stringes and lining vugs.
K-18-0701	135.82	135.83	1	FN			70					
K-18-0701	137.46	137.47	1	FN			67					
K-18-0701	140.55	140.56	1	FN			63					
K-18-0701	141.98	141.99	1	FN			54					
K-18-0701	144.43	144.44	1	FN			58					
K-18-0701	146.49	146.5	1	FN			65					
K-18-0701	148.08	148.09	1	FN			66					
K-18-0701	149	157.25	2	FRZ	bk							Mechanical fracturing.
K-18-0701	150.39	150.4	1	FN			61					
K-18-0701	151.68	151.69	1	FN			60					
K-18-0701	154.48	154.49	1	FN			46					
K-18-0701	156.57	156.58	1	FN			50					
K-18-0701	157.72	157.73	1	FN			54					
K-18-0701	159.15	159.16	1	CT								Upper contact of Greenstone sill.
K-18-0701	159.68	159.69	1	FN			51					
K-18-0701	161.77	161.78	1	PA			55					
K-18-0701	164.26	164.27	1	PA			49					
K-18-0701	166.04	166.05	1	PA			47					

Hole	From m	To m	Struct Level	Struct Code	Struct Mod1	Struct Mod2	Struct Alpha	Struct Beta	Strike	Dip	Vergence	Comments
K-18-0701	168.28	168.29	1	PA			54					
K-18-0701	169.53	169.54	1	PA			53					
K-18-0701	171.54	171.55	1	PA			55					
K-18-0701	174.38	174.39	1	PA			59					
K-18-0701	175.9	175.91	1	CT			65					Lower contact of greenstone sill.
K-18-0701	176.12	176.13	1	FN			59					
K-18-0701	177.35	177.36	1	FN			60					
K-18-0701	178.96	178.97	1	FN			56					
K-18-0701	181.33	181.34	1	FN			56					
K-18-0701	182.76	182.77	1	FN			64					
K-18-0701	185.32	185.33	1	FN			60					
K-18-0701	188.41	188.42	1	FN			39					
K-18-0701	190.63	190.64	1	FN			73					
K-18-0701	192.19	192.2	1	FN			57					
K-18-0701	195.17	195.18	1	FN			49					
K-18-0701	196.51	196.52	1	FN			48					
K-18-0701	196.85	197.3	1	VN	n		20					Ribbony quartz vein, cavey with prismatic quartz crystals and green dickite in vugs.
K-18-0701	198.81	198.82	1	FN			61					
K-18-0701	200.72	200.73	1	FN			54					
K-18-0701	202.36	202.37	1	FN			59					
K-18-0701	204.46	204.47	1	FN			50					
K-18-0701	207.3	207.31	1	FN			60					
K-18-0701	210.71	210.72	1	FN			48					
K-18-0701	212.08	212.09	1	FN			55					
K-18-0701	215.25	215.26	1	FN			58					
K-18-0701	216.2	216.21	1	FN			59					
K-18-0701	219.64	219.65	1	FN			56					
K-18-0701	220.51	220.52	1	FN			56					
K-18-0701	223.28	223.29	1	FN			75					
K-18-0701	225.27	225.28	1	FN			64					
K-18-0701	227.43	227.44	1	FN			80					
K-18-0701	228.98	228.99	1	FN			70					
K-18-0701	229	229.01	1	FN			66					
K-18-0701	231.85	231.86	1	FN			66					
K-18-0701	235.31	235.32	1	FN			68					
K-18-0701	237.27	237.28	1	FN			59					
K-18-0701	238.4	238.41	1	FN			65					
K-18-0701	240.05	240.06	1	CT	shp		60					Upper CT of greenstone sill.
K-18-0701	241.05	241.06	1	PA			55					
K-18-0701	242.25	242.26	1	PA			55					
K-18-0701	244.9	244.91	1	PA			65					
K-18-0701	247	247.01	1	PA			65					
K-18-0701	248.55	248.56	1	CT	shp		62					Lower CT of greenstone sill.
K-18-0701	249.15	249.16	1	FN			70					
K-18-0701	250.4	250.41	1	FN			71					
K-18-0701	255.35	255.36	1	FN			70					
K-18-0701	256.45	256.46	1	FLD			64				s	pyritic 's' fold
K-18-0701	257.15	257.16	1	FN			68					
K-18-0701	258.9	258.91	1	FN			67					
K-18-0701	263.85	263.86	1	FN			70					
K-18-0701	266.5	266.51	1	FN			70					
K-18-0701	270.96	270.97	1	FN			65					

Stratigraphy

Hole	From_m	To_m	Strat	Avg_Alpha	True_Thickness	Comments
K-18-0701	0	28.65	MKq	47	20.95	
K-18-0701	28.65	37.18	MKs	52	6.72	
K-18-0701	37.18	38	MKg			
K-18-0701	38	65.7	MKq	61	24.23	
K-18-0701	65.7	66	FLT			Milled brown quartzite. Strong oxidation.
K-18-0701	66	71.3	MKq	57	4.44	
K-18-0701	71.3	72.75	MKg	53	1.16	
K-18-0701	72.75	74.65	MKs	62	1.68	
K-18-0701	74.65	75.28	MKg			
K-18-0701	75.28	76.1	MKs	61	0.72	
K-18-0701	76.1	76.8	MKg			
K-18-0701	76.8	84	MKs	60	6.24	
K-18-0701	84	87.35	MKg	56	2.78	
K-18-0701	87.35	97.05	MKq	57	8.14	Strong deformation, Rotted quartz veining and coarse pyrite mineralization at 94.70-97.05m
K-18-0701	97.05	100.75	MKg	59	3.17	Deformed, high in pyrite.
K-18-0701	100.75	105.95	MKq	64	4.67	
K-18-0701	105.95	106.85	FLT			Fill of puggy to milled grey quartzite and grey quartz. Moderate disseminated pyrite.
K-18-0701	106.85	157.25	MKq	57	42.27	Some sub metre length graphitic schsit beds, Zones high in pyrite stringers.
K-18-0701	157.25	159.15	MKs	54	1.54	Silicified metasomatic schist adjacent to greenstone sill.
K-18-0701	159.15	175.4	TRgn	51	12.63	Weakly to merately clay altered.
K-18-0701	175.4	180.5	MKq	60	4.42	Interbedded medium beds of quartzite and graphitic schist.
K-18-0701	180.5	187.82	MKg	60	6.34	
K-18-0701	187.82	207.75	MKq	55	16.33	205.10-207.75 is metasomatic schist in upper contact with greenstone sill.
K-18-0701	207.75	210.85	TRgn	48	2.3	
K-18-0701	210.85	215.8	MKg	56	4.1	
K-18-0701	215.8	220.23	MKq	58	3.76	
K-18-0701	220.23	220.93	MKg	56	0.58	
K-18-0701	220.93	240.05	MKq	68	17.73	221.70-225.0m Mostly leeched and porous.
K-18-0701	240.05	248.55	TRgn	60	7.36	
K-18-0701	248.55	301.03	MKq	64	47.17	248.55-249.50m Metasomatic, silicified sericite-graphitic schist next to greenstone sill.

APPENDIX 4 - STATEMENT OF QUALIFICATIONS

Al McOnie

I, Alan McOnie of 694 SH2, RD1, Katikati, New Zealand
DO HEREBY CERTIFY:

THAT, I am a VP Exploration and Qualified Person with Alexco Resource Corp., 1225-555 Burrard Street, Vancouver, BC, V7X 1M9.

THAT, I have practiced my profession with various mining companies in Canada, New Zealand, Australia, United States, Mexico, and China for over 36 years.

THAT, I am graduate in geology holding a BSc (Hons) from the University of Otago, New Zealand and a MSc from the University of Toronto, Canada.

THAT, I am a member of the Society of Economic Geologists.

THAT, I am a Fellow of the Australasian Institute of Mining and Metallurgy.

THAT, this report is based on work which I was involved in overseeing.

DATED at Katikati, New Zealand this 2nd day of May 2019.

Al McOnie