EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-358

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	6/5/2016
UTM Easting	415104.787	Core Size:	HQ3	Azimuth:	74.8	Date Logging Complete:	6/8/2016
UTM Northing:	6815167.039	Casing Pulled?:	Yes	Dip:	-86.2	Drill Company:	Hytech
UTM Elev. (m):	1393.96	Casing Depth (m):	7.5	Length (m):	348	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	6/2/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	6/6/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Resource Definition
						Parent Hole:	

Comments:

K16-358 was drilled to test an inferred portion of the down-dip Krakatoa upper, main, and lower lenses. All three lenses were successfully intersected. The planned drill hole length was extended by 20 m to test alteration noted in the footwall. Driller core meter marker block error at 269m (originally labelled by drillers as 266m); all block markers changed below 269m by adding 3m.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-86.20238	73.4	1.4	74.8	TN14	Oscar Nielsen	6/6/2016		☑	100. Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
5	-86.41454	72.76978	1.4	74.16978	Gyro	Oscar Nielsen	6/6/2016		☑	92.1332541786914
10	-86.56106	73.80721	1.4	75.20721	Gyro	Oscar Nielsen	6/6/2016		☑	86.8881110648276
12	-86.5	53.5	22.1	75.6	ReflexEZS	Hytech	6/2/2016	9161	☐	Suspect measurement due to high magnetic field value. Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
15	-86.76667	76.25576	1.4	77.65576	Gyro	Oscar Nielsen	6/6/2016		☑	88.8972380515789
20	-87.03162	83.22284	1.4	84.62284	Gyro	Oscar Nielsen	6/6/2016		☑	85.9133756074079
25	-87.09252	88.17519	1.4	89.57519	Gyro	Oscar Nielsen	6/6/2016		☑	97.6847711854574
30	-87.45801	97.88998	1.4	99.28998	Gyro	Oscar Nielsen	6/6/2016		☑	96.4522134738528
35	-87.57887	105.60074	1.4	107.00074	Gyro	Oscar Nielsen	6/6/2016		☑	93.037624201056
36	-87.3	70.7	22.1	92.8	ReflexEZS	Hytech	6/3/2016	5760	☐	big change in azimuth to measurement at 60m.
40	-87.61414	110.48156	1.4	111.88156	Gyro	Oscar Nielsen	6/6/2016		☑	94.4697023898214
45	-87.44286	110.27811	1.4	111.67811	Gyro	Oscar Nielsen	6/6/2016		☑	97.665614295986
50	-87.6653	120.1566	1.4	121.5566	Gyro	Oscar Nielsen	6/6/2016		☑	94.130965416155
55	-87.72756	130.66417	1.4	132.06417	Gyro	Oscar Nielsen	6/6/2016		☑	99.0239933436672
60	-87.6198	135.5306	1.4	136.9306	Gyro	Oscar Nielsen	6/6/2016		☑	93.3185181462067
60.01	-87.5	94.1	22.1	116.2	ReflexEZS	Hytech	6/3/2016	5757	☐	
65	-87.43888	136.15081	1.4	137.55081	Gyro	Oscar Nielsen	6/6/2016		☑	98.7661485696466
70	-87.38467	139.34214	1.4	140.74214	Gyro	Oscar Nielsen	6/6/2016		☑	99.784542382048

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
75	-87.3041	145.14875	1.4	146.54875	Gyro	Oscar Nielsen	6/6/2016		☑	93.2895747768233
80	-86.99499	145.43148	1.4	146.83148	Gyro	Oscar Nielsen	6/6/2016		☑	98.2126577809082
84	-87.2	268.8	22.1	290.9	ReflexEZS	Hytech	6/3/2016	6355	☐	Driller comments: "Assume test out due to high magnetics. Maybe not all the way through the core barrel."
85	-87.00104	147.22139	1.4	148.62139	Gyro	Oscar Nielsen	6/6/2016		☑	91.7786227084211
90	-86.78482	148.84889	1.4	150.24889	Gyro	Oscar Nielsen	6/6/2016		☑	98.2150369123584
90.01	-86.9	112.2	22.1	134.3	ReflexEZS	Hytech	6/3/2016	5763	☐	
95	-86.60006	154.94698	1.4	156.34698	Gyro	Oscar Nielsen	6/6/2016		☑	92.1203409894488
100	-86.64096	160.16993	1.4	161.56993	Gyro	Oscar Nielsen	6/6/2016		☑	94.5898646190976
105	-86.44441	161.95126	1.4	163.35126	Gyro	Oscar Nielsen	6/6/2016		☑	99.7033045342968
110	-86.15352	164.27644	1.4	165.67644	Gyro	Oscar Nielsen	6/6/2016		☑	90.887409475508
114	-85.9	135.9	22.1	158	ReflexEZS	Hytech	6/3/2016	5757	☐	
115	-85.87407	166.45278	1.4	167.85278	Gyro	Oscar Nielsen	6/6/2016		☑	99.0776403074495
120	-85.40838	166.50861	1.4	167.90861	Gyro	Oscar Nielsen	6/6/2016		☑	95.6755793898368
125	-85.29598	169.78992	1.4	171.18992	Gyro	Oscar Nielsen	6/6/2016		☑	89.5980149684477
130	-85.1862	173.08516	1.4	174.48516	Gyro	Oscar Nielsen	6/6/2016		☑	99.1991167116448
135	-84.89064	174.04669	1.4	175.44669	Gyro	Oscar Nielsen	6/6/2016		☑	96.0682048203799
138	-85.1	142.5	22.1	164.6	ReflexEZS	Hytech	6/3/2016	6099	☐	
140	-84.90653	176.35907	1.4	177.75907	Gyro	Oscar Nielsen	6/6/2016		☑	89.2454823049024
145	-84.90814	178.4529	1.4	179.8529	Gyro	Oscar Nielsen	6/6/2016		☑	99.4434129440536
150	-84.85834	179.21348	1.4	180.61348	Gyro	Oscar Nielsen	6/6/2016		☑	99.611856761765
155	-84.69997	180.58109	1.4	181.98109	Gyro	Oscar Nielsen	6/6/2016		☑	91.3744971005918
160	-84.60763	181.93666	1.4	183.33666	Gyro	Oscar Nielsen	6/6/2016		☑	99.826267260743
162	-84.5	150.6	22.1	172.7	ReflexEZS	Hytech	6/4/2016	5777	☐	
165	-84.45539	182.13912	1.4	183.53912	Gyro	Oscar Nielsen	6/6/2016		☑	98.293428982654
170	-84.59694	183.74978	1.4	185.14978	Gyro	Oscar Nielsen	6/6/2016		☑	86.7775579451294
175	-84.57395	184.72747	1.4	186.12747	Gyro	Oscar Nielsen	6/6/2016		☑	99.935315928416
180	-84.49415	184.98876	1.4	186.38876	Gyro	Oscar Nielsen	6/6/2016		☑	100
185	-84.39744	185.95208	1.4	187.35208	Gyro	Oscar Nielsen	6/6/2016		☑	99.8428080215793
186	-84.3	152.1	22.1	174.2	ReflexEZS	Hytech	6/4/2016	5523	☐	
190	-84.28676	185.93027	1.4	187.33027	Gyro	Oscar Nielsen	6/6/2016		☑	97.9460201892762
195	-84.37517	188.29739	1.4	189.69739	Gyro	Oscar Nielsen	6/6/2016		☑	87.7946404285595
200	-84.24675	189.55259	1.4	190.95259	Gyro	Oscar Nielsen	6/6/2016		☑	99.733435774019
205	-84.17217	190.67162	1.4	192.07162	Gyro	Oscar Nielsen	6/6/2016		☑	99.3784925042993
210	-84.06978	192.27147	1.4	193.67147	Gyro	Oscar Nielsen	6/6/2016		☑	99.4290624945458

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
210.01	-84.1	159	22.1	181.1	ReflexEZS	Hytech	6/4/2016	5753	☐	
215	-83.98121	193.20749	1.4	194.60749	Gyro	Oscar Nielsen	6/6/2016		☑	99.468576294482
220	-83.89133	194.47626	1.4	195.87626	Gyro	Oscar Nielsen	6/6/2016		☑	98.5065940872386
225	-83.77575	195.96793	1.4	197.36793	Gyro	Oscar Nielsen	6/6/2016		☑	99.2965482709042
230	-83.60073	195.69105	1.4	197.09105	Gyro	Oscar Nielsen	6/6/2016		☑	100
234	-83.5	158.8	22.1	180.9	ReflexEZS	Hytech	6/4/2016	5774	☐	
235	-83.38233	196.41747	1.4	197.81747	Gyro	Oscar Nielsen	6/6/2016		☑	99.272262088763
240	-83.23145	196.6581	1.4	198.0581	Gyro	Oscar Nielsen	6/6/2016		☑	99.4286988249005
245	-83.0365	197.48729	1.4	198.88729	Gyro	Oscar Nielsen	6/6/2016		☑	99.9980137162496
250	-82.87286	197.36377	1.4	198.76377	Gyro	Oscar Nielsen	6/6/2016		☑	100
255	-82.56246	198.34527	1.4	199.74527	Gyro	Oscar Nielsen	6/6/2016		☑	99.4286408334804
258	-81.6	168.1	22.1	190.2	ReflexEZS	Hytech	6/5/2016	5703	☐	
260	-81.93064	199.42854	1.4	200.82854	Gyro	Oscar Nielsen	6/6/2016		☑	99.265355374208
265	-81.41271	200.32593	1.4	201.72593	Gyro	Oscar Nielsen	6/6/2016		☑	99.235318435989
270	-81.00619	200.88232	1.4	202.28232	Gyro	Oscar Nielsen	6/6/2016		☑	99.7371209304668
275	-80.83578	201.53718	1.4	202.93718	Gyro	Oscar Nielsen	6/6/2016		☑	99.1632153112629
280	-80.60108	201.41962	1.4	202.81962	Gyro	Oscar Nielsen	6/6/2016		☑	99.6927184851988
282	-80.5	170.5	22.1	192.6	ReflexEZS	Hytech	6/5/2016	5787	☐	
285	-80.48758	201.74506	1.4	203.14506	Gyro	Oscar Nielsen	6/6/2016		☑	99.7973534179904
290	-80.26403	202.07255	1.4	203.47255	Gyro	Oscar Nielsen	6/6/2016		☑	99.3641133450601
295	-80.11594	202.49506	1.4	203.89506	Gyro	Oscar Nielsen	6/6/2016		☑	99.5913690873714
300	-80.04525	202.64668	1.4	204.04668	Gyro	Oscar Nielsen	6/6/2016		☑	92.3435042031875
305	-79.90742	203.25641	1.4	204.65641	Gyro	Oscar Nielsen	6/6/2016		☑	99.07418419837
306	-79.6	165.5	22.1	187.6	ReflexEZS	Hytech	6/5/2016	5805	☐	
310	-79.72607	203.59288	1.4	204.99288	Gyro	Oscar Nielsen	6/6/2016		☑	99.9413975047682
315	-79.55919	203.985	1.4	205.385	Gyro	Oscar Nielsen	6/6/2016		☑	99.8016821056293
320	-79.41761	204.39139	1.4	205.79139	Gyro	Oscar Nielsen	6/6/2016		☑	100
325	-79.29206	204.97427	1.4	206.37427	Gyro	Oscar Nielsen	6/6/2016		☑	99.379693802526
330	-79.20646	205.41774	1.4	206.81774	Gyro	Oscar Nielsen	6/6/2016		☑	99.2616170158919
330.01	-79	174	22.1	196.1	ReflexEZS	Hytech	6/5/2016	5739	☐	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	**6.30**	**OVBN Overburden**									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

6.30 10.00 RHYvl Lapilli tuff

6.3 - 10: Varies from local coherent flow banded rhyolite to more abundant felsic lpl in ash matrix. Appears to have a gradational lower contact with RHYva (Bl-r).

<<Min: 6.3 - 10 0.5% Min: Pyrite>>

<<Alt: 6.3 - 10 Weak-Moderate Calcite>>

10.00 11.90 RHYva Coarse grained to ash tuff

10 - 11.9: Fine grained grey ash tuff with disseminated Bl and CA porphyroblasts. May correlate with PEL horizons in other holes.

<<Min: 10 - 27.2 0.5% Min: Pyrrhotite>>

<<Alt: 10 - 11.9 Moderate Calcite>>

11.90 13.50 RHYvl Lapilli tuff

<<Alt: 11.9 - 65.5 Weak-Moderate Calcite>>

13.50 14.60 RHYva Coarse grained to ash tuff

13.5 - 14.6: Fine grained grey ash tuff with disseminated Bl and minor rounded silicic clasts

14.60 33.50 RHYvl Lapilli tuff

<<Min: 27.2 - 54.6 0.5% Min: Pyrite>>

<<Struc: 16.1 - 24 Weak Fault>> Zone with moderate fracturing and local fault planes with gouge surfaces

<<Struc: 26.07 - 26.08 Moderate dominant foliation>>

<<Struc: 31.5 - 37 Moderate-Strong Fault>> Moderate to strong fault zone, dominated by gouge-supported fault breccia

33.50 54.60 RHYva Coarse grained to ash tuff

33.5 - 54.6: Local lpl

<<Vein: 44 - 50.6 15% Quartz>> Zone with masive QZ-veining

<<Struc: 37 - 45.7 Weak Fault>> Highly fractured (damage zone) with weak-moderate density of fault planes with gouge

54.60 63.80 RHYi Aphanitic Rhyolite (intrusion)

54.6 - 63.8: Light grey very siliceous (silicified?) unit with locally schistosity and zones of massive aphanitic rhyolite. Where schistosity is present minor disseminated Q-eyes, with disseminated CL+PO+PY can be found.

<<Min: 54.6 - 57.2 2% Min: Pyrite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Min: 54.6 - 57.2 1% Min: Pyrrhotite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Min: 57.2 - 65.5 0.5% Min: Pyrite>>

<<Min: 57.2 - 65.5 1% Min: Pyrrhotite>>

<<Alt: 54.6 - 57.2 Weak Chlorite>>

<<Vein: 54.7 - 55.2 100% Quartz>> Massive QZ vein with disseminated CL-CA blebs

<<Vein: 58.5 - 63.8 20% Quartz-Carbonate>> Thin (~1 cm) to wide (~50 cm) massive QZ-CA veins. Cross-cut all fabrics

<<Struc: 58.2 - 58.4 Weak Fault>>

63.80 65.50 RHY undifferentiated rhyolite

63.8 - 65.5: Local zone of brecciated RHYv (?) between RHYi zones.

<<Alt: 63.8 - 65.5 Moderate Muscovite>>

<<Struc: 64.38 - 64.39 Weak-Moderate dominant foliation>>

65.50 78.00 RHYif feldspar and quartz porphyry intrusions

65.5 - 78: Light grey, apahanitic siliceous groundmass, QZ-FD phyric, rhyolite. Upper margin is brecciated with PO+PY stringers. Lower contact appears to grade into silicified RHYv into PEL.

<<Min: 65.5 - 66.2 2% Min: Pyrite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Min: 65.5 - 66.2 1% Min: Pyrrhotite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Min: 66.2 - 75.4 0.5% Min: Pyrite>>

<<Min: 66.2 - 75.4 1% Min: Pyrrhotite>>

<<Min: 75.4 - 78 2% Min: Pyrite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Min: 75.4 - 78 1% Min: Pyrrhotite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Alt: 65.5 - 66.2 Weak Muscovite>>

<<Alt: 65.5 - 66.2 Weak Chlorite>>

<<Alt: 65.5 - 78 Weak Calcite>>

<<Vein: 76.3 - 76.4 100% Quartz>> Fractured massive QZ vein

<<Struc: 76.4 - 76.5 Weak-Moderate Fault>>

78.00 78.60 PEL Equigranular biotite + calcite +/- quartz rock

78 - 78.6: Purple-brown, BI phyric, metapelite or mafic dyke (?). Contact are cooling margins or gradational?

<<Min: 78 - 85.2 1% Min: Pyrite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Min: 78 - 85.2 1% Min: Pyrrhotite>>

<<Alt: 78 - 78.6 Moderate Calcite>>

78.60 81.90 RHYvl Lapilli tuff

78.6 - 81.9: Abundant FD and QZ crystal clasts in well foliated ash matrix. Local pathes of CL-alteration with diss PO+PY.

<<Alt: 78.6 - 100.1 Weak Calcite>>

<<Alt: 81.1 - 81.9 Weak Muscovite>> Intense MU-CL alteration at bottom portion of interval next to RHYi

<<Alt: 81.1 - 81.9 Weak Chlorite>>

<<Vein: 80.1 - 84.8 20% Quartz-Carbonate>> Thin (~1 cm) to wide (~50 cm) massive QZ-CA veins. Cross-cut all fabrics

81.90 86.30 RHYi Aphanitic Rhyolite (intrusion)

81.9 - 86.3: Light grey, aphanitic, siliceous rhyolite. Internal brecciated contact between two (flows or dykes) that resembles a fow top breccia. (at 85.2 m). This breccia is right way up grading from massive RHYi to brecciated RHYi. Stringers of PO+PY have cemented the breccia.

<<Min: 85.2 - 86.3 2% Min: Pyrite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Min: 85.2 - 86.3 2% Min: Pyrrhotite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/- Muscovite alteration

<<Alt: 86.2 - 86.7 Weak Chlorite>>

86.30 91.00 RHYvl Lapilli tuff

<<Min: 86.3 - 92.4 3% Min: Pyrrhotite>> Associated with weak-moderate MU-alteration around RHYi

<<Alt: 86.3 - 86.7 Strong Muscovite>> Alteration from RHYi?

<<Alt: 86.7 - 92.4 Weak Muscovite>>

<<Struc: 89.1 - 91.9 Moderate Fault>> Moderate fault intensity with moderate MU-alteration and massive QZ-veining

91.00 96.50 RHYva Coarse grained to ash tuff

91 - 96.5: Lower contact displays soft sediment deformation. Flame and load structures, which indicate a right way up direction.

<<Min: 92.4 - 105 1% Min: Pyrrhotite>>

<<Vein: 91.3 - 92.5 50% Quartz-Carbonate>> Massive QZ-CA veining in zone of moderate to strong alteration and faulting

96.50 100.10 RHYva Coarse grained to ash tuff

<<Struc: 98.91 - 98.92 Weak dominant foliation>>

<<Struc: 99 - 200 Moderate dominant foliation>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

100.10 100.50 PEL Equigranular biotite + calcite +/- quartz rock

100.1 - 100.5: Zone with two ~15 cm thick layers of pelitic sediment with sharp lower contacts and gradational upper contacts.

<<Alt: 100.1 - 100.5 Moderate Calcite>>

100.50 125.60 RHYva Coarse grained to ash tuff

100.5 - 125.6: Weak to moderately ash tuff

<<Min: 105 - 125.6 1% Min: Pyrrhotite>> Stringers of PY+PO in fractured/foliated RHYi associted with minor Chlorite+/-Muscovite alteration

<<Alt: 100.5 - 148.9 Weak Calcite>>

<<Alt: 105 - 123.6 Weak Muscovite>>

<<Alt: 123.6 - 135.4 Moderate Muscovite>>

<<Vein: 110.8 - 110.9 100% Quartz>> Massive QZ-vein

<<Struc: 100.5 - 100.51 Moderate-Strong Contact>> Sharp contact between overlyine PEL and underlying RHYva

<<Struc: 102.99 - 103 Weak-Moderate dominant foliation>>

<<Struc: 104.8 - 105 Weak Fault>>

<<Struc: 108 - 108.3 Moderate Fault>> Fault breccia

<<Struc: 113.3 - 115 Weak Fault>>

<<Struc: 117 - 117.2 Moderate Fault>>

<<Struc: 118 - 119.3 Moderate Fault>> Moderate faulting with fault gouge. Local clasts of PY rich RHY.

<<Struc: 120.31 - 120.32 Moderate dominant foliation>>

<<Struc: 123.45 - 123.55 Moderate Fault>> Fault gouge breccia with minor PY-rich clasts

125.60 135.40 RHYvl Lapilli tuff

132.50	134.00	1.50	B00292316	0.007	0.3	-0.01	-0.01	0.01
134.00	135.40	1.40	B00292317	0.009	0.6	-0.01	-0.01	0.01
135.40	136.70	1.30	B00292318	0.036	1.2	-0.01	-0.01	0.02

125.6 - 135.4: Abundant PO lpl and minor felsic lpl in strong MU-altered host

<<Min: 125.6 - 135.4 2% Min: Pyrite>>

<<Alt: 125.6 - 148.9 Trace Tourmaline>>

<<Vein: 134.6 - 135.4 100% Quartz>> Massive QZ-vein with blebby Carb+CL+PO

135.40 136.70 OI Heavilly disseminated sulphides in host schist

135.4 - 136.7: ~10-15% patchy/aggregates of PY+PO in RHY

<<Min: 135.4 - 136.7 10% Min: Pyrite>>

<<Min: 135.4 - 136.7 1% Min: Pyrrhotite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Alt: 135.4 - 148.7 Strong Muscovite>>									
136.70	**148.90**	**RHYv Rhyolite volcaniclastic**	136.70	138.20	1.50	B00292319	0.006	0.5	-0.01	-0.01	0.03
		136.7 - 148.9: Moderate to strongly MU-altered. Lower contact with MXSX displays intense MU+CI alteration.									
		<<Min: 136.7 - 148.9 2% Min: Pyrite>>	138.20	140.00	1.80	B00292321	-0.005	-0.3	-0.01	-0.01	-0.01
		<<Alt: 148.7 - 148.9 Intense Muscovite>>	140.00	141.50	1.50	B00292322	-0.005	-0.3	-0.01	-0.01	-0.01
		<<Alt: 148.7 - 148.9 Moderate Cordierite>>	141.50	143.00	1.50	B00292323	0.009	0.3	-0.01	-0.01	-0.01
		<<Vein: 142.5 - 148.5 2% Quartz-Carbonate 65 deg. >> 5-10 cm wide QZ-CA veins with trace disseminated sulfide	143.00	144.50	1.50	B00292324	0.009	0.3	-0.01	-0.01	-0.01
		<<Struc: 137 - 137.4 Moderate-Strong Fault>>	144.50	146.00	1.50	B00292325	0.01	0.3	-0.01	-0.01	-0.01
		<<Struc: 137.4 - 142.5 Weak-Moderate Fault>>	146.00	147.40	1.40	B00292326	0.011	0.4	-0.01	-0.01	0.02
		<<Struc: 143.8 - 143.9 Weak-Moderate Fault>>	147.40	148.90	1.50	B00292327	-0.005	0.8	-0.01	-0.01	0.01
		<<Struc: 147 - 147.4 Moderate Fault>>									
		<<Struc: 148.5 - 148.7 Moderate-Strong Fault>>									
148.90	**150.10**	**OF Pyrrhotite rich sulphides**	148.90	150.10	1.20	B00292328	0.36	166	1.1	1.11	4.14
		148.9 - 150.1: OF from 148.9-149.3 m, OJ from 149.3-149.5 m, OF from 149.5-149.7 m, and OB from 149.7-150.1 m. Faulted lower contact.									
		<<Min: 148.9 - 149.3 95% Min: Pyrrhotite>>									
		<<Min: 148.9 - 149.3 1% Min: Chalcopyrite>>									
		<<Min: 149.3 - 149.5 5% Min: Pyrrhotite>>									
		<<Min: 149.3 - 149.5 1% Min: Chalcopyrite>>									
		<<Min: 149.5 - 149.7 3% Min: Pyrite>>									
		<<Min: 149.5 - 149.7 92% Min: Pyrrhotite>>									
		<<Min: 149.5 - 149.7 1% Min: Chalcopyrite>>									
		<<Min: 149.7 - 150.1 2% Min: Sphalerite>>									
		<<Min: 149.7 - 150.1 90% Min: Pyrite>>									
		<<Min: 149.7 - 150.1 5% Min: Pyrrhotite>>									
		<<Min: 149.7 - 150.1 1% Min: Chalcopyrite>>									
		<<Alt: 148.9 - 150.1 Weak-Moderate Calcite>> Blebs and FRA CA in MXSX									
		<<Alt: 149.3 - 149.5 Intense Muscovite>>									
		<<Alt: 149.3 - 149.5 Strong Cordierite>>									
		<<Struc: 150 - 150.3 Moderate-Strong Fault>>									

From (m)	To (m)		Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
150.10	**151.40**	**RHYcw**	**Curdy textured-flow banded (flows, subvolcanics)**	150.10	151.40	1.30	B00292329	0.131	13.9	-0.01	0.09	0.05
150.1 - 151.4: Strongly MU-altered with patchy CL and flow banded silica-calcite bands.												
<<Min: 150.1 - 151.4 3% Min: Pyrite>>												
<<Alt: 150.1 - 151.4 Strong Muscovite>>												
<<Alt: 150.1 - 151.4 Moderate Chlorite>>												
<<Alt: 150.1 - 151.4 Moderate Calcite>> CA flow-bands in RHY												
151.40	**152.00**	**OI**	**Heavilly disseminated sulphides in host schist**	151.40	152.00	0.60	B00292332	1.52	128	0.64	0.66	2.39
151.4 - 152: MXSX (OA) from 151.4-151.7 m, followed by heavily disseminated sulfides (OI) in strong MU-altered host.												
<<Min: 151.4 - 151.7 90% Min: Pyrite>>												
<<Min: 151.4 - 151.7 2% Min: Pyrrhotite>>												
<<Min: 151.4 - 151.7 2% Min: Magnetite>>												
<<Min: 151.4 - 151.7 1% Min: Chalcopyrite>>												
<<Min: 151.7 - 152 10% Min: Pyrite>>												
<<Alt: 151.4 - 152 Weak-Moderate Calcite>>												
<<Alt: 151.7 - 153.5 Strong Muscovite>>												
152.00	**156.40**	**MAFi**	**Mafic Intrusions (primarily footwall mafic intrusion)**	152.00	153.50	1.50	B00292333	0.104	6.5	0.02	0.05	0.01
152 - 156.4: Strong MU-alteration near top of unit. Grades into less-altered MAFi, with sharp lower contact with RHY.												
<<Min: 152 - 156.4 1% Min: Pyrite>>				153.50	155.00	1.50	B00292334	0.007	0.4	-0.01	-0.01	0.01
<<Min: 152 - 156.4 0.5% Min: Pyrrhotite>>				155.00	156.40	1.40	B00292335	0.006	0.5	-0.01	-0.01	0.02
<<Alt: 152 - 156.4 Moderate Calcite>>												
<<Alt: 153.5 - 154.5 Moderate Muscovite>>												
<<Alt: 154.5 - 156.4 Weak Muscovite>>												
<<Struc: 154 - 154.2 Moderate Fault>>												
156.40	**165.80**	**RHYcw**	**Curdy textured-flow banded (flows, subvolcanics)**	156.40	157.90	1.50	B00292336	0.012	0.8	-0.01	-0.01	0.01
<<Min: 156.4 - 165.3 2% Min: Pyrite>>				157.90	159.00	1.10	B00292337	0.016	1.4	-0.01	-0.01	0.02
<<Min: 156.4 - 165.3 0.1% Min: Arsenopyrite>>				159.00	160.50	1.50	B00292338	0.007	1.3	-0.01	-0.01	0.02
<<Min: 165.3 - 165.8 1% Min: Sphalerite>>				160.50	162.00	1.50	B00292339	-0.005	0.7	-0.01	-0.01	0.02
<<Min: 165.3 - 165.8 5% Min: Pyrite>>				162.00	163.50	1.50	B00292341	0.013	0.6	-0.01	-0.01	0.02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Alt: 156.4 - 157.4 Moderate Chlorite>>			163.50	165.00	1.50	B00292342	0.027	1.5	-0.01	-0.01	0.03
<<Alt: 156.4 - 165.3 Strong Muscovite>>			165.00	165.80	0.80	B00292343	1.23	41.1	-0.01	0.47	0.59
<<Alt: 156.4 - 165.8 Weak Calcite>>											
<<Alt: 165.3 - 165.8 Intense Muscovite>>											
<<Vein: 164.5 - 164.6 100% Quartz-Carbonate>> QZ-Carb vein in fault											
<<Struc: 161 - 163 Weak Fault>>											
<<Struc: 164.4 - 164.5 Weak-Moderate Fault>>											
165.80	**167.30**	**OA** **Laminar or heavilly disseminated magnetite bearing massive sulphide**	165.80	166.40	0.60	B00292344	3.2	395	0.48	5.49	7.19
<<Min: 165.8 - 166.4 5% Min: Sphalerite>>			166.40	167.30	0.90	B00292345	3.12	413	2.71	4.65	6.39
<<Min: 165.8 - 166.4 85% Min: Pyrite>>											
<<Min: 165.8 - 166.4 5% Min: Magnetite>>											
<<Min: 165.8 - 166.4 1% Min: Chalcopyrite>>											
<<Min: 166.4 - 167.3 75% Min: Pyrite>>											
<<Min: 166.4 - 167.3 10% Min: Pyrrhotite>>											
<<Min: 166.4 - 167.3 10% Min: Magnetite>>											
<<Min: 166.4 - 167.3 3% Min: Chalcopyrite>>											
<<Alt: 165.8 - 168.2 Weak Calcite>> FRA CA in MXSX											
167.30	**168.20**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	167.30	168.20	0.90	B00292346	2.02	175	0.39	2.4	11.5
<<Min: 167.3 - 168.2 5% Min: Sphalerite>>											
<<Min: 167.3 - 168.2 90% Min: Pyrite>>											
168.20	**169.30**	**OI** **Heavilly disseminated sulphides in host schist**	168.20	169.30	1.10	B00292347	2.21	179	0.39	1.05	3.47
<<Min: 168.2 - 169.3 2% Min: Sphalerite>>											
<<Min: 168.2 - 169.3 20% Min: Pyrite>>											
<<Min: 168.2 - 169.3 2% Min: Chalcopyrite>>											
<<Alt: 168.2 - 169.3 Strong Muscovite>>											
<<Alt: 168.2 - 169.3 Weak Chlorite>>											
<<Alt: 168.2 - 169.3 Moderate Cordierite>>											
<<Alt: 168.2 - 169.3 Moderate-Strong Calcite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Struc: 169.1 - 169.2 Weak-Moderate Fault>>									
169.30	**169.90**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	169.30	169.90	0.60	B00292348	1.74	247	0.04	3.44	11.4
		<<Min: 169.3 - 169.9 10% Min: Sphalerite>>									
		<<Min: 169.3 - 169.9 80% Min: Pyrite>>									
		<<Min: 169.3 - 169.9 2% Min: Magnetite>>									
		<<Min: 169.3 - 169.9 1% Min: Galena>>									
		<<Alt: 169.3 - 169.9 Weak-Moderate Calcite>>									
169.90	**170.40**	**OI** **Heavilly disseminated sulphides in host schist**	169.90	170.40	0.50	B00292349	5.32	359	0.35	0.9	1.67
		<<Min: 169.9 - 170.4 5% Min: Sphalerite>>									
		<<Min: 169.9 - 170.4 15% Min: Pyrite>>									
		<<Min: 169.9 - 170.4 1% Min: Galena>>									
		<<Alt: 169.9 - 170.4 Moderate Muscovite>>									
		<<Alt: 169.9 - 170.4 Strong Calcite>>									
170.40	**217.60**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	170.40	171.50	1.10	B00292352	-0.005	-0.3	-0.01	-0.01	0.02
		170.4 - 217.6: Upper and lower contacts display massive CL over 1-2 m with disseminated BI. Difficult to see the difference between metamorphic/background minerals and the alteration mineral assemblage.									
		<<Min: 170.4 - 173.8 1% Min: Pyrite>>	171.50	172.60	1.10	B00292353	-0.005	-0.3	-0.01	-0.01	0.02
		<<Min: 170.4 - 173.8 0.5% Min: Pyrrhotite>>	172.60	173.80	1.20	B00292354	-0.005	-0.3	-0.01	-0.01	0.02
		<<Min: 170.4 - 173.8 0.1% Min: Chalcopyrite>>	173.80	175.00	1.20	B00292355	-0.005	0.5	-0.01	-0.01	0.02
		<<Min: 173.8 - 180 0.1% Min: Pyrrhotite>>	175.00	176.50	1.50	B00292356	-0.005	0.8	-0.01	-0.01	0.01
		<<Min: 180 - 217.6 0.1% Min: Pyrite>>	176.50	178.00	1.50	B00292357	-0.005	-0.3	-0.01	-0.01	0.01
		<<Alt: 170.4 - 172.9 Moderate Calcite>>	178.00	179.50	1.50	B00292358	-0.005	-0.3	-0.01	-0.01	0.01
		<<Alt: 170.4 - 173.8 Moderate Chlorite>> Local bands of massive CL	207.60	209.00	1.40	B00292359	0.005	0.5	-0.01	-0.01	0.01
		<<Alt: 170.4 - 173.8 Weak-Moderate Biotite>> Disseminated BI porphyroblasts. Associated with hydrothermal alteration??	209.00	210.25	1.25	B00292361	0.005	0.6	-0.01	-0.01	-0.01
		<<Alt: 173.8 - 180 Weak Calcite>>	210.25	211.50	1.25	B00292362	-0.005	0.5	-0.01	0.01	0.01
		<<Alt: 180 - 187.5 Weak Calcite>>	211.50	212.75	1.25	B00292363	0.007	1.2	-0.01	0.01	-0.01
		<<Alt: 187.5 - 195.3 Weak-Moderate Calcite>>	212.75	214.00	1.25	B00292364	0.01	1.1	-0.01	-0.01	-0.01
		<<Alt: 195.3 - 210.6 Moderate Calcite>> and as fracture veinlets	214.00	215.25	1.25	B00292365	0.01	0.8	-0.01	-0.01	-0.01

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Alt: 210.6 - 217.6 Strong Calcite>> diss, blebs, bands and veinlets			215.25	216.50	1.25	B00292366	0.011	2.4	-0.01	-0.01	0.02
<<Alt: 214.8 - 217.6 Weak Chlorite>>			216.50	217.60	1.10	B00292367	0.013	3.1	-0.01	-0.01	0.02
<<Alt: 217.13 - 217.6 Weak Biotite>>											
<<Vein: 172.4 - 172.8 40% Calcite>> Blebby CA veins											
<<Vein: 181.15 - 181.19 100% Quartz-Carbonate 20 deg. >>											
<<Vein: 196 - 199.5 5% Calcite 5 deg. >>											
<<Vein: 210.34 - 216.8 5% Calcite 75 deg. >>											
<<Vein: 216.8 - 217.6 10% Calcite 65 deg. >>											
<<Struc: 171.68 - 171.69 Weak-Moderate dominant foliation>>											
<<Struc: 179.34 - 179.35 Moderate dominant foliation>>											
<<Struc: 183 - 184 Moderate dominant foliation>>											
<<Struc: 186 - 187.5 Moderate dominant foliation>>											
<<Struc: 193 - 195 Moderate dominant foliation>>											
<<Struc: 195.95 - 196.1 Moderate Vein>>											
<<Struc: 213 - 214 Moderate Foliation>>											
217.60	**224.30**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	217.60	218.60	1.00	B00292368	1.02	102	0.32	1.44	5.62
217.6 - 224.3: OB unit with variable sulfide - gangue content. 218.65-218.88m DMG is up to 10%. 220.44-224.00m, unit is almost OK as barely 50% sulfide and calcite gangue is 15+%. Mostly well foliated - mineral banding. Barite not observed but looks like it should be present. 219.8-219.9: irregular calcite vein with blebs diss sp and cp. 224.0-224.3: more massive OB.											
<<Min: 217.6 - 218.65 5% Min: Magnetite>>			218.60	219.45	0.85	B00292369	2.08	219	1.54	2.96	10.7
<<Min: 217.6 - 219.45 5% Min: Sphalerite>>			219.45	220.44	0.99						
<<Min: 217.6 - 219.45 60% Min: Pyrite>>			220.44	221.50	1.06	B00292373	2.24	229	0.53	2.58	7.39
<<Min: 218.65 - 218.88 10% Min: Magnetite>>			221.50	222.50	1.00	B00292374	1.03	132	0.18	2.57	7.03
<<Min: 218.88 - 219.45 5% Min: Magnetite>>			222.50	223.50	1.00	B00292375	1.72	125	0.62	1.33	4.48
<<Min: 219.45 - 220.44 10% Min: Sphalerite>>			223.50	224.30	0.80	B00292376	1.03	222	0.08	5.07	8.19
<<Min: 219.45 - 220.44 50% Min: Pyrite>>											
<<Min: 219.45 - 220.44 5% Min: Magnetite>>											
<<Min: 219.45 - 220.44 2% Min: Chalcopyrite>>											
<<Min: 220.44 - 224 15% Min: Sphalerite>>											
<<Min: 220.44 - 224 40% Min: Pyrite>>											
<<Min: 220.44 - 224 5% Min: Magnetite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 224 - 224.3 20% Min: Sphalerite>>											
<<Min: 224 - 224.3 3% Min: Pyrrhotite>>											
<<Min: 224 - 224.3 5% Min: Chalcopyrite>>											
<<Alt: 217.6 - 221 Trace Chlorite>>											
<<Alt: 217.6 - 223.8 Strong Calcite>> and as diss, and disrupted bands.											
<<Alt: 221 - 221.95 Weak Chlorite>>											
<<Alt: 223.8 - 225.72 Trace Calcite>>											
<<Struc: 217.6 - 217.65 Moderate Contact>>											
<<Struc: 217.65 - 217.85 Moderate Foliation>> mineral banding											
<<Struc: 219 - 219.75 Moderate Foliation>> mineral banding											
<<Struc: 221 - 222 Moderate Foliation>> mineral banding											
<<Struc: 222.9 - 223.2 Moderate Foliation>> mineral banding											
224.30	**224.98**	**OC** **Chalcopyrite-pyrrhotite net textured sulphides**	224.30	224.98	0.68	B00292377	3.11	477	4.43	7.22	22.6
224.3 - 224.98: Mostly sp and cpy, doesn't have good net texture.											
<<Min: 224.3 - 224.98 30% Min: Sphalerite>>											
<<Min: 224.3 - 224.98 5% Min: Pyrite>>											
<<Min: 224.3 - 224.98 10% Min: Pyrrhotite>>											
<<Min: 224.3 - 224.98 1% Min: Magnetite>>											
<<Min: 224.3 - 224.98 25% Min: Chalcopyrite>>											
<<Struc: 224.95 - 225 Moderate Contact>> sharp contact											
224.98	**225.72**	**OI** **Heavilly disseminated sulphides in host schist**	224.98	225.72	0.74	B00292378	0.248	28.3	0.1	0.39	1.47
224.98 - 225.72: Dense fine grained rhyolite. Diss py, minor cordierite. Unit could be silicified MAFi in part. Sharp contacts.											
<<Min: 224.98 - 225.7 10% Min: Pyrite>>											
<<Min: 224.98 - 225.72 1% Min: Sphalerite>>											
<<Alt: 224.98 - 225.72 Weak Cordierite>>											
<<Struc: 225.3 - 225.42 Fault>>											
<<Struc: 225.65 - 225.75 Moderate Contact>> sharp contact defined by biotite alteration											
225.72	**245.46**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	225.72	227.00	1.28	B00292379	0.015	2.1	-0.01	0.03	0.05
<<Min: 225.72 - 231 0.5% Min: Pyrite>>			227.00	228.25	1.25	B00292381	0.024	2.8	-0.01	0.04	0.04

From (m)	To (m)	Rocktype & Description
		<<Min: 231 - 234.5 0.5% Min: Pyrrhotite>>
		<<Min: 234.5 - 242.6 0.5% Min: Pyrite>>
		<<Min: 242.6 - 245.46 1% Min: Pyrite>> coincides with increase in calcite.
		<<Alt: 225.72 - 226.1 Moderate Biotite>>
		<<Alt: 226.1 - 229.4 Moderate-Strong Calcite>> could be original
		<<Alt: 229.4 - 234.5 Weak-Moderate Calcite>>
		<<Alt: 234.5 - 242.4 Weak Calcite>>
		<<Alt: 242.4 - 245.46 Weak-Moderate Chlorite>>
		<<Alt: 242.4 - 245.46 Strong Calcite>> could be original
		<<Alt: 242.4 - 245.46 Trace Biotite>>
		<<Vein: 242.4 - 245.4 15% Calcite>> blebby CA veinlets
		<<Struc: 227.5 - 228 Moderate dominant foliation>>
		<<Struc: 231.58 - 232 Moderate dominant foliation>>
		<<Struc: 234 - 234.3 Moderate dominant foliation>>
		<<Struc: 235 - 236.5 Moderate dominant foliation>>
		<<Struc: 243 - 244 Moderate dominant foliation>>
		<<Struc: 245.45 - 245.47 Strong Contact>>
245.46	**246.46**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite** **MG**

245.46 - 246.46: Good OB with few blebs and cm size aggregates of barite. Lower 11 cm is coarse grained with diss magnetite.

<<Min: 245.46 - 246.46 15% Min: Sphalerite>> in mineral bands
<<Min: 245.46 - 246.46 60% Min: Pyrite>>
<<Min: 245.46 - 246.46 0.5% Min: Galena>>
<<Min: 245.46 - 246.46 10% Min: Barite>>
<<Min: 246.35 - 246.46 5% Min: Magnetite>>
<<Alt: 245.46 - 246.35 Trace Chlorite>>
<<Alt: 245.46 - 246.35 Moderate-Strong Calcite>>
<<Alt: 246.35 - 247.16 Strong Chlorite>>
<<Alt: 246.35 - 247.16 Weak Calcite>>
<<Struc: 246 - 246.35 Moderate-Strong Foliation>>
<<Struc: 246.45 - 246.47 Strong Foliation>>

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
228.25	229.50	1.25	B00292382	0.012	2.7	-0.01	0.04	0.05
229.50	230.75	1.25	B00292383	0.011	2.3	-0.01	0.03	0.05
230.75	232.00	1.25	B00292384	-0.005	0.6	-0.01	0.01	0.02
232.00	233.25	1.25	B00292385	-0.005	0.3	-0.01	-0.01	0.01
233.25	234.50	1.25	B00292386	-0.005	0.4	-0.01	-0.01	0.02
234.50	235.75	1.25	B00292387	-0.005	0.4	-0.01	-0.01	0.02
235.75	237.00	1.25	B00292388	-0.005	0.3	-0.01	-0.01	0.02
237.00	238.25	1.25	B00292389	-0.005	0.5	-0.01	-0.01	0.02
238.25	239.50	1.25	B00292391	-0.005	-0.3	-0.01	-0.01	0.02
239.50	240.75	1.25	B00292392	0.011	0.8	-0.01	-0.01	0.02
240.75	242.00	1.25	B00292393	0.009	1.3	-0.01	0.01	0.03
242.00	243.25	1.25	B00292394	0.011	1.5	-0.01	0.02	0.03
243.25	244.50	1.25	B00292395	0.016	1.2	-0.01	0.02	0.03
244.50	245.46	0.96	B00292396	0.028	6.9	-0.01	0.1	0.05
245.46	246.46	1.00	B00292397	0.563	133	0.55	2.03	8.64

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
246.46	**247.16**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock** **CG**	246.46	247.16	0.70	B00292398	0.078	81.4	0.25	1.78	3.88
246.46 - 247.16: OJ unit includes 20 cm section of massive pyrrhotite and a 5cm band of sp-gn in dense chlorite. Sharp contacts											
<<Min: 246.46 - 246.66 1% Min: Pyrite>>											
<<Min: 246.46 - 247.16 10% Min: Sphalerite>> diss in bands											
<<Min: 246.46 - 247.16 30% Min: Pyrrhotite>> and as diss											
<<Min: 246.46 - 247.16 5% Min: Galena>> diss in bands											
<<Min: 247.1 - 247.84 1% Min: Pyrrhotite>>											
247.16	**250.51**	**RHY** **undifferentiated rhyolite**	247.16	247.84	0.68	B00292399	-0.005	0.5	0.02	-0.01	0.01
247.16 - 250.51: Silic bands. Unit includes qtz vein and shear - gougy zones but appears to be RHYcw unit.											
<<Min: 247.16 - 247.84 0.1% Min: Magnetite>>			247.84	249.00	1.16	B00292401	-0.005	1.1	0.01	-0.01	-0.01
<<Min: 247.84 - 249 1% Min: Pyrite>>			249.00	250.51	1.51	B00292402	0.005	-0.3	-0.01	-0.01	0.01
<<Min: 247.84 - 249 0.5% Min: Arsenopyrite>>											
<<Min: 249 - 250.51 0.5% Min: Arsenopyrite>> and in gouge											
<<Alt: 247.16 - 247.84 Strong Muscovite>>											
<<Alt: 247.16 - 254.4 Trace Calcite>>											
<<Alt: 249.4 - 250.9 Weak Biotite>>											
<<Alt: 249.5 - 250.51 Moderate Muscovite>> sericite, gougy RHY											
<<Vein: 247.84 - 249 90% Quartz-Carbonate>> Brecciated qtz - calcite vein with minor feldspar and 10cm of fault gouge.											
<<Struc: 248.17 - 248.27 Moderate-Strong Fault>> fault gouge											
<<Struc: 249 - 250.51 Strong Fault>> fault zone, sheared and gougy rhyolite											
250.51	**266.71**	**RHYvl** **Lapilli tuff**	250.51	252.00	1.49	B00292403	0.007	-0.3	-0.01	-0.01	-0.01
250.51 - 266.71: Locally bleached and sericite altered, minor <10cm thick pelite bands +/- weak chlorite alteration. Cross cut by high angle tourmaline - qtz veinlets with bleached envelopes and traces of diss tourmaline bellow 254m.											
<<Min: 250.51 - 254.1 1% Min: Pyrrhotite>>			252.00	253.25	1.25	B00292404	-0.005	-0.3	-0.01	-0.01	0.01
<<Min: 254.1 - 259 3% Min: Pyrrhotite>>			253.25	254.60	1.35	B00292405	-0.005	-0.3	-0.01	-0.01	-0.01
<<Min: 259 - 286.39 2% Min: Pyrite>>			254.60	256.00	1.40	B00292406	-0.005	-0.3	-0.01	-0.01	-0.01
<<Min: 259 - 286.39 2% Min: Pyrrhotite>>			256.00	257.25	1.25	B00292407	-0.005	-0.3	-0.01	-0.01	-0.01
<<Alt: 250.51 - 266.71 Weak Muscovite>> weakly bleached, Mu - sericite on partings											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Alt: 254.4 - 263 Weak-Moderate Calcite>> pelite bands are most calcareous

<<Alt: 263 - 266.71 Trace Calcite>>

<<Vein: 253.9 - 254.1 10% Quartz-Tourmaline>> qtz - tour flooding

<<Vein: 256.2 - 256.6 5% Quartz-Tourmaline 10 deg. >>

<<Struc: 257.7 - 260.4 Moderate dominant foliation>>

<<Struc: 262.3 - 263.84 Weak Fault>> brokn core, minor shear zones with gouge

<<Struc: 263.84 - 264.5 Moderate-Strong Fault>>

<<Struc: 264.5 - 266.71 Weak Fault>> broken core

266.71 274.49 RHYvl Lapilli tuff

266.71 - 274.49: Crosscut by minor tourmaline veinlets, unit has trace diss tourmaline.

<<Alt: 266.71 - 272.43 Moderate-Strong Calcite>>

<<Alt: 266.71 - 274.49 Weak-Moderate Chlorite>>

<<Alt: 266.71 - 274.49 Weak-Moderate Biotite>>

<<Alt: 272.43 - 274.49 Weak Calcite>>

274.49 286.39 RHYvl Lapilli tuff

274.49 - 286.39: 273-274.5; weak pinkish biotitealteration, remnants of BCQlpl alteration. Tourmaline veins and diss tourmaline.

<<Alt: 274.49 - 286.39 Weak-Moderate Calcite>> tourmaline veined are non-calcareous to trace calcite while sections with remnant BCQlpl alteration are moderately calcareous.

<<Alt: 274.49 - 296 Trace Chlorite>>

<<Alt: 274.49 - 296 Weak Biotite>>

<<Vein: 278.8 - 279.6 5% Quartz-Tourmaline 5 deg. >>

<<Struc: 278.8 - 279.7 Moderate Vein>> qtz-tourmaline vein

286.39 290.66 RHYcw Curdy textured-flow banded (flows, subvolcanics)

286.39 - 290.66: unit is bleached and contains a series of narrow fault zones and a 29cm qtz vein.

<<Min: 286.39 - 290.66 1% Min: Pyrite>>

<<Min: 286.39 - 290.66 0.05% Min: Pyrrhotite>>

<<Alt: 286.39 - 290.66 Moderate Muscovite>> is it overprint?

<<Alt: 286.39 - 290.66 Trace Calcite>>

<<Vein: 290.09 - 290.38 100% Quartz-Albite>>

<<Struc: 288.45 - 289.55 Moderate Fault>> gougy sheared bleached sericite altered rhy

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Struc: 290 - 290.66 Weak Fault>> broken core, two <5cm minor gouge zones.

290.66 303.72 RHYvl Lapilli tuff

290.66 - 303.72: weak BCQlpl alteration

<<Min: 290.66 - 303.72 1% Min: Pyrite>>
<<Min: 290.66 - 303.72 3% Min: Pyrrhotite>>
<<Alt: 290.66 - 293.4 Trace Calcite>>
<<Alt: 293.4 - 296 Weak Calcite>>
<<Alt: 296 - 303.4 Weak Chlorite>>
<<Alt: 296 - 303.4 Weak Biotite>>
<<Alt: 296 - 308 Trace Calcite>>
<<Alt: 303.4 - 320.88 Weak-Moderate Chlorite>>
<<Alt: 303.4 - 320.88 Weak-Moderate Biotite>>
<<Vein: 297.25 - 297.45 100% Quartz-Albite>>
<<Struc: 296.5 - 297 Moderate dominant foliation>>
<<Struc: 300 - 300.2 Moderate dominant foliation>>

303.72 305.92 RHYvl Lapilli tuff

303.72 - 305.92: Bleached, seicite clay altered, silicic bands, cut by thin (<5cm) clay gouge zones.

<<Min: 303.72 - 306.92 2% Min: Pyrite>>
<<Min: 303.72 - 306.92 2% Min: Pyrrhotite>>
<<Alt: 303.72 - 306.92 Weak Muscovite>>
<<Struc: 305.8 - 306.92 Weak Fault>> broken core, crushed rhyolite

305.92 320.88 RHYvl Lapilli tuff

<<Min: 306.92 - 320.88 2% Min: Pyrrhotite>>
<<Min: 306.92 - 348 0.1% Min: Pyrite>>
<<Alt: 308 - 320 Weak Calcite>>
<<Alt: 320 - 348 Trace Calcite>>
<<Struc: 308.5 - 308.8 Moderate dominant foliation>>
<<Struc: 317.8 - 318 Weak-Moderate dominant foliation>>

320.88 348.00 RHYvl Lapilli tuff

320.88 - 348: locally remnant BCQlpl alteration. 341.37-342.32 m: silicic bands, almost a RHYcw.

<<Min: 320.88 - 348 1% Min: Pyrrhotite>>

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GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-358

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Alt: 320.88 - 330.6 Trace Chlorite>>									
		<<Alt: 320.88 - 330.6 Trace Biotite>>									
		<<Alt: 330.6 - 335.1 Weak-Moderate Chlorite>>									
		<<Alt: 335.1 - 348 Weak Muscovite>> fine grained muscovite and sericite on partings									
		<<Alt: 335.1 - 348 Trace Chlorite>>									
		<<Vein: 329.8 - 329.95 100% Quartz-Albite>>									
		<<Vein: 344.2 - 344.4 100% Quartz-Chlorite>>									
		<<Struc: 327.5 - 327.95 Moderate dominant foliation>>									
		<<Struc: 334.8 - 336 Weak Fault>> broken core, minor gouge on breaks									
		<<Struc: 343 - 343.5 Weak Fault>> broken core, crushed rhyolite									
		End of Hole @ 348									