EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-385

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	David Nuttal
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	7/9/2016
UTM Easting	415447.872	Core Size:	HQ3	Azimuth:	214.2	Date Logging Complete:	7/20/2016
UTM Northing:	6815529.427	Casing Pulled?:	Yes	Dip:	-65	Drill Company:	Hytech
UTM Elev. (m):	1518.179	Casing Depth (m):	5	Length (m):	645	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/8/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	7/18/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Exploration
						Parent Hole:	

Comments:

The purpose of hole K16-385 was to test the down dip extension of the Krakatoa ore bodies. Total hole depth is 645 m.
The upper Krakatoa lens is thought to have been intersected as moderate-strong muscovite alteration and narrow intervals of pyrite-rich (with trace CP/SP) semi-massive sulphide was found along strike of upper lens mineralization in K16-369 (K16-385 depth 493-508 m).
The lower Krakatoa lens was not intersected in this hole, though moderate to moderate-strong muscovite alteration is present along strike of K16-369 lower lens mineralization (K16-385 depth 525-560 m).
Moderate muscovite alteration is continuous between 460-625 m. Trace-weak chlorite alteration is found between 530-645 m and is concentrated in lapilli of the RHYvl units.
The drill hole collared into the Wind Lake formation at 5 m depth, which consists of intercalated calcareous mafic tuffs and mudstone down to 269 m core depth. The contact between the Wind Lake formation and the KZK formation is conformable. The KZK formation consists of felsic volcanics stretching from 269 m to EOH at 645 m depth. Felsic volcanic rocks consist mostly of unaltered to weakly altered (muscovite and or chlorite) ash and or lapilli tuff with lesser abundances of coherent rhyolite, mixed ash and pelite.
Large rhyolite dikes (RHYi) occur between 309.45-328 m and 430-442 m, and are each associated with silicification, weak to moderate muscovite alteration (intensity 2-4) and pyrite (up to 5-10% in short intervals usually less than 20 cm).
Large fault zones are observed between 39-48 m, 61-66 m and 417-425 m.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-65	212.8	1.4	214.2	TN14	David Nuttal	7/8/2016		☑	Issues getting accurate reading with TN-14
10	-65.14019	213.69503	1.4	215.09503	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
20	-65.42384	213.26965	1.4	214.66965	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
24	-65.5	192.2	22.1	214.3	ReflexEZS	Hytech	7/8/2016	5866	☐	
30	-65.47901	212.83031	1.4	214.23031	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
39	-65.6	190	22.1	212.1	ReflexEZS	Hytech	7/8/2016	5779	☐	
40	-65.65652	212.62188	1.4	214.02188	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
50	-65.62884	212.65652	1.4	214.05652	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
60	-65.52195	212.72859	1.4	214.12859	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
63	-65.4	190.8	22.1	212.9	ReflexEZS	Hytech	7/8/2016	5783	☐	
70	-65.29151	212.81015	1.4	214.21015	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
80	-65.06259	213.19868	1.4	214.59868	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
87	-65	192.2	22.1	214.3	ReflexEZS	Hytech	7/8/2016	5789	☐	

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
90	-64.80063	213.56205	1.4	214.96205	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
100	-64.69388	213.71398	1.4	215.11398	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
110	-64.36868	213.94458	1.4	215.34458	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
111	-64.6	191.8	22.1	213.9	ReflexEZS	Hytech	7/8/2016	5743	☐	
120	-64.2289	214.02423	1.4	215.42423	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
130	-64.00356	213.99057	1.4	215.39057	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
135	-64	192.7	22.1	214.8	ReflexEZS	Hytech	7/9/2016	5792	☐	
140	-64.00842	214.30534	1.4	215.70534	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
150	-63.59844	215.07737	1.4	216.47737	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
159	-63.2	194.4	22.1	216.5	ReflexEZS	Hytech	7/9/2016	5833	☐	
160	-63.10411	216.0644	1.4	217.4644	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
170	-62.78903	217.01695	1.4	218.41695	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
180	-62.55955	217.64952	1.4	219.04952	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
183	-62.7	194.9	22.1	217	ReflexEZS	Hytech	7/9/2016	5810	☐	
190	-62.5124	217.95267	1.4	219.35267	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
200	-62.28908	218.22843	1.4	219.62843	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
207	-62.3	197.4	22.1	219.5	ReflexEZS	Hytech	7/9/2016	5775	☐	
210	-62.22297	218.35874	1.4	219.75874	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
220	-62.07346	218.63492	1.4	220.03492	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
230	-61.9697	219.02787	1.4	220.42787	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
231	-62	197.4	22.1	219.5	ReflexEZS	Hytech	7/10/2016	5765	☐	
240	-61.75958	219.63978	1.4	221.03978	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
250	-61.5917	220.02543	1.4	221.42543	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
255	-61.7	197.6	22.1	219.7	ReflexEZS	Hytech	7/10/2016	5766	☐	
260	-61.55937	220.44999	1.4	221.84999	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
270	-61.37461	220.84675	1.4	222.24675	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
280	-61.37503	221.64353	1.4	223.04353	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
290	-61.10996	222.05947	1.4	223.45947	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
300	-61.00306	222.14099	1.4	223.54099	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
303	-61	200	22.1	222.1	ReflexEZS	Hytech	7/11/2016	5781	☐	
310	-61.13319	222.12421	1.4	223.52421	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
320	-60.80956	222.09276	1.4	223.49276	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
330	-60.6254	222.40167	1.4	223.80167	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
330.01	-60.6	199.9	22.1	222	ReflexEZS	Hytech	7/11/2016	5847	☐	

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
336	-62	197.8	22.1	219.9	ReflexEZS	Hytech	7/12/2016	5794	☐	
340	-60.18569	222.56417	1.4	223.96417	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
342	-62.6	197.8	22.1	219.9	ReflexEZS	Hytech	7/12/2016	5789	☐	
350	-59.41683	222.03594	1.4	223.43594	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
360	-59.23204	221.25225	1.4	222.65225	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
360.01	-62.8	196.2	22.1	218.3	ReflexEZS	Hytech	7/12/2016	5721	☐	
370	-59.39844	220.59743	1.4	221.99743	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
380	-59.34867	220.1162	1.4	221.5162	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
384	-62.4	196.4	22.1	218.5	ReflexEZS	Hytech	7/12/2016	5887	☐	
390	-59.36939	219.99594	1.4	221.39594	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
400	-59.45214	219.63998	1.4	221.03998	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
408	-62	196.1	22.1	218.2	ReflexEZS	Hytech	7/13/2016	5782	☐	
410	-59.77909	219.62337	1.4	221.02337	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
420	-59.6662	219.62261	1.4	221.02261	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
430	-59.73034	219.61276	1.4	221.01276	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
432	-61.9	197.2	22.1	219.3	ReflexEZS	Hytech	7/13/2016	5781	☐	
440	-59.76718	219.25212	1.4	220.65212	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
450	-60.49754	218.94403	1.4	220.34403	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
456	-60.5	195.5	22.1	217.6	ReflexEZS	Hytech	7/14/2016	5747	☐	
460	-59.83133	218.79708	1.4	220.19708	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
470	-60.06672	218.63081	1.4	220.03081	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
480	-60.03118	218.48699	1.4	219.88699	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
480.01	-60.2	196	22.1	218.1	ReflexEZS	Hytech	7/15/2016	5757	☐	
490	-59.89575	218.082	1.4	219.482	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
500	-60.04336	218.112	1.4	219.512	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
504	-60.4	195.4	22.1	217.5	ReflexEZS	Hytech	7/17/2016	5736	☐	
510	-60.18801	217.82341	1.4	219.22341	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
520	-60.308	217.34753	1.4	218.74753	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
528	-60.4	192.1	22.1	214.2	ReflexEZS	Hytech	7/16/2016	5754	☐	
530	-60.35337	217.07776	1.4	218.47776	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
540	-60.38524	217.19037	1.4	218.59037	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
550	-60.32493	217.16112	1.4	218.56112	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
552	-60.4	192.4	22.1	214.5	ReflexEZS	Hytech	7/17/2016	5847	☐	
560	-60.28684	217.05143	1.4	218.45143	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
570	-60.32542	216.88585	1.4	218.28585	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
576	-60.4	193.5	22.1	215.6	ReflexEZS	Hytech	7/17/2016	5689	☐	
580	-60.31838	217.10537	1.4	218.50537	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
590	-60.23364	217.44528	1.4	218.84528	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
600	-60.24561	217.77972	1.4	219.17972	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
600.01	-60.3	195.6	22.1	217.7	ReflexEZS	Hytech	7/17/2016	5768	☐	
610	-60.22001	218.06652	1.4	219.46652	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
620	-60.13343	218.22035	1.4	219.62035	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
624	-60.2	194	22.1	216.1	ReflexEZS	Hytech	7/18/2016	5868	☐	
630	-60.04477	217.95371	1.4	219.35371	Gyro	Alicia Vainio	7/18/2016		☑	Motion quality = 100
645	-60.3	193.6	22.1	215.7	ReflexEZS	Hytech	7/18/2016	5777	☐	

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

0.00 5.00 OVBN Overburden

5.00 9.00 MAFt Mafic Volcaniclastics

<<Min: 5 - 14.69 0.1% Min: Pyrrhotite>>

<<Min: 5 - 24.44 0.1% Min: Pyrite>>

<<Alt: 5 - 14 Moderate Calcite>>

<<Alt: 5 - 264.81 Weak Chlorite>> Pervasive through mafic units of windlake formation.

<<Vein: 6.91 - 15.7 2% Quartz-Carbonate>>

<<Struc: 8.23 - 8.95 Weak Fault>>

9.00 9.47 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

9.47 14.69 MAFta Coarse grained to ash tuff

<<Alt: 14 - 48 Weak-Moderate Calcite>>

<<Struc: 13.62 - 13.71 Weak Fault>>

14.69 24.40 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

14.69 - 24.4: Intercalated with MAFta (fine-grained olive green mafic ash). Interval hosts CP, PO and PY mineralization (all below 1%)

<<Min: 14.69 - 24.44 0.5% Min: Pyrrhotite>>

<<Min: 14.69 - 36 0.1% Min: Chalcopyrite>>

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

<<Struc: 22.58 - 22.62 Trace Fault>>

24.40 26.19 MAFta Coarse grained to ash tuff

<<Min: 24.44 - 39.2 0.5% Min: Pyrite>>

<<Min: 24.44 - 39.2 2% Min: Pyrrhotite>> higher intensity in mafic units.

26.19 28.00 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

28.00 39.20 MAFta Coarse grained to ash tuff

28 - 39.2: Locally interbedded with short <30cm intervals of black MDS.

<<Vein: 33.7 - 34.3 80% Quartz>>

<<Struc: 29.95 - 29.96 Weak dominant foliation>>

<<Struc: 36.45 - 57.28 Strong Fault>>

39.20 47.28 FLZ Fault Zone

39.2 - 47.28: Fault zone, mixed MAFt/MDS liths found in gouge.

47.28 53.92 MAFta Coarse grained to ash tuff

<<Min: 47.28 - 53.92 0.1% Min: Pyrite>>

<<Min: 47.28 - 53.92 0.1% Min: Pyrrhotite>>

<<Alt: 48 - 53.5 Trace Calcite>>

<<Alt: 53.5 - 58.82 Moderate-Strong Calcite>>

53.92 61.05 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

53.92 - 61.05: From 58.82 - 61.05 is a large Qz Cb vein.

<<Min: 53.92 - 73.5 1% Min: Pyrite>>

<<Min: 53.92 - 73.5 1% Min: Pyrrhotite>>

<<Alt: 58.82 - 73.5 Weak-Moderate Calcite>>

<<Vein: 58.82 - 61.05 100% Quartz-Albite>>

61.05 65.57 FLZ Fault Zone

61.05 - 65.57: Mixed MAFt/MDS liths.

<<Struc: 61.05 - 66.74 Strong Fault>>

65.57 68.90 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

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

68.90 70.53 MAFt Mafic Volcaniclastics

70.53 73.50 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

73.50 86.56 MAFt Mafic Volcaniclastics

<<Min: 73.5 - 80.9 0.1% Min: Pyrite>>

<<Min: 73.5 - 80.9 0.1% Min: Pyrrhotite>>

<<Min: 80.9 - 87 1% Min: Pyrite>>

<<Min: 80.9 - 87 1% Min: Pyrrhotite>>

<<Alt: 73.5 - 86.5 Moderate Calcite>>

<<Alt: 86.5 - 91 Weak Calcite>>

<<Vein: 80.9 - 82.8 50% Quarzt-Chlorite-Carbonate>>

<<Vein: 84.29 - 86.56 100% Quarzt-Chlorite-Carbonate>> Vein hosted trace CP, PO, PY, GL

<<Struc: 73.65 - 73.66 Moderate-Strong dominant foliation>>

<<Struc: 75 - 75.45 Weak Fault>>

<<Struc: 81.3 - 81.77 Moderate Fault>>

86.56 96.00 MAFta Coarse grained to ash tuff

<<Alt: 91 - 100.82 Weak-Moderate Calcite>>

96.00 98.14 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

98.14 99.70 MAFt Mafic Volcaniclastics

<<Struc: 98.77 - 99.1 Moderate Fault>>

99.70 100.82 MAFt Mafic Volcaniclastics

99.7 - 100.82: Pseudo coherent textures. Mafic fine grained, thick foliation planes bisect white siliceous domains. Possible older deformed quartz vein?

100.82 117.70 MAFt Mafic Volcaniclastics

<<Min: 100.82 - 133 1% Min: Pyrite>>

<<Min: 100.82 - 133 1% Min: Pyrrhotite>>

<<Alt: 100.82 - 117.7 Moderate Calcite>>

<<Struc: 103.4 - 103.58 Weak-Moderate Fault>>

<<Struc: 110.66 - 112.44 Moderate-Strong Fault>>

<<Struc: 116.9 - 117.7 Moderate Fault>>

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

117.70 122.95 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Alt: 117.7 - 139 Weak Calcite>>

122.95 124.25 MAFt Mafic Volcaniclastics

<<Vein: 123.47 - 126.14 30% Quarzt-Chlorite-Carbonate>>

124.25 134.27 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Min: 133 - 138.95 0.1% Min: Pyrite>>

<<Min: 133 - 155.44 0.5% Min: Pyrrhotite>>

<<Struc: 124.72 - 125.65 Moderate Fault>>

<<Struc: 128.6 - 144.28 Weak-Moderate Fault>> Large interval localized crumbly/weak rock and narrow faults localized in MDS units.

134.27 138.95 MAFt Mafic Volcaniclastics

138.95 147.64 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Min: 138.95 - 155.44 0.5% Min: Pyrite>>

<<Min: 142.08 - 143.83 0.1% Min: Chalcopyrite>>

<<Alt: 139 - 176 Moderate Calcite>>

<<Vein: 142.08 - 143.83 80% Calcium carbonate/Carbonate>> PO - PY - CP sulphides

147.64 155.44 MAFt Mafic Volcaniclastics

147.64 - 155.44: Interbedded MAFt and MDS

<<Min: 155.4 - 176 1% Min: Pyrite>>

<<Min: 155.4 - 233 1% Min: Pyrrhotite>> higher abundances of PO in MDS units. Occurs as thin wisps along foliation planes. In MAFt PO is concentrated in calcareous domains.

<<Struc: 147.64 - 147.77 Weak Fault>>

<<Struc: 151 - 151.01 Moderate dominant foliation>>

155.44 204.56 MAFt Mafic Volcaniclastics

<<Min: 176 - 183 3% Min: Pyrite>> Clots of PY 3-5 cm across are found in this interval.

<<Min: 183 - 215.82 1% Min: Pyrite>>

<<Min: 191 - 192.5 1% Min: Sphalerite>> Found along rims of carbonate domains.

<<Alt: 176 - 192.5 Moderate-Strong Calcite>>

<<Alt: 192.5 - 205.41 Moderate Calcite>>

<<Struc: 166 - 183.8 Weak-Moderate Fault>> large interval of narrow faults and rubbly rock.

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

<<Struc: 190 - 190.38 Weak Fault>>

<<Struc: 192.8 - 193 Weak Fault>>

<<Struc: 195.86 - 196.44 Weak-Moderate Fault>>

204.56 205.41 MAFt Mafic Volcaniclastics

204.56 - 205.41: light colored, calcareous/siliceous unit with Sharp contacts and coherent textures.

205.41 209.45 MAFt Mafic Volcaniclastics

<<Alt: 205.41 - 222 Weak-Moderate Calcite>>

209.45 211.67 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

211.67 215.82 MAFt Mafic Volcaniclastics

215.82 221.30 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Min: 215.82 - 221.3 2% Min: Pyrite>>

<<Min: 218 - 219 0.5% Min: Chalcopyrite>>

<<Struc: 216.4 - 222.1 Weak-Moderate Fault>> 10-90 cm faults spaced <1 m apart. Dominantly a weak Mudstone unit

221.30 236.41 MAFt Mafic Volcaniclastics

<<Min: 221.3 - 281.67 0.1% Min: Pyrite>>

<<Min: 233 - 269 0.5% Min: Pyrrhotite>>

<<Alt: 222 - 243.77 Moderate Calcite>>

<<Struc: 222.1 - 233 Trace Fault>> Large interval of narrow faults and rubbly rock.

236.41 241.05 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Vein: 237.33 - 237.44 100% Quartz>>

<<Struc: 236.71 - 236.75 Weak Fault>>

<<Struc: 238 - 241.7 Trace Fault>> Interval contains narrow (<5cm wide) faults filled with gouge, spaced 10-100 cm apart.

241.05 241.91 MAFt Mafic Volcaniclastics

241.91 242.26 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

242.26 243.77 MAFt Mafic Volcaniclastics

<<Struc: 242.5 - 242.51 Weak dominant foliation>>

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

243.77 247.40 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Alt: 243.77 - 269 Moderate-Strong Calcite>>

247.40 255.18 MAFt Mafic Volcaniclastics

<<Min: 254.86 - 255.18 2% Min: Sphalerite>> Located on margin of vein

<<Min: 254.86 - 255.18 0.1% Min: Galena>>

<<Vein: 248.3 - 248.75 80% Quartz>>

<<Vein: 254.86 - 260.51 40% Quartz>> 2% PO, 2% PY, 1% SP, Trace of GL

<<Struc: 252.48 - 252.88 Moderate Fault>>

255.18 262.18 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Struc: 255.18 - 255.22 Weak Fault>>

<<Struc: 258.18 - 259.47 Moderate Fault>> 3 narrow faults, approximately 10-20 cm wide, spaced <30 cm apart.

262.18 264.81 MAFt Mafic Volcaniclastics

264.81 269.02 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

<<Min: 269 - 274.86 1% Min: Pyrrhotite>>

<<Alt: 264.81 - 433 Trace Muscovite>>

<<Alt: 269 - 282 Weak Calcite>>

269.02 274.86 RHYc Rhyolite coherant volcanics

269.02 - 274.86: Contact is believed to be the start of the KZK formation.

<<Struc: 272.35 - 272.36 Weak dominant foliation>>

274.86 278.27 MDSt Rhyolite tuff dominant mudstone

<<Min: 274.86 - 290.2 0.5% Min: Pyrrhotite>>

<<Vein: 277.42 - 277.6 100% Quartz>> PO/PY

278.27 279.30 RHYva Coarse grained to ash tuff

279.30 281.67 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

279.3 - 281.67: Interval is mostly fault gouge.

<<Struc: 279.87 - 281.67 Moderate Fault>>

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

281.67 289.70 RHYv Rhyolite volcaniclastic

281.67 - 289.7: Minor biotite and chlorite.

<<Min: 281.67 - 290.2 0.5% Min: Pyrite>>

<<Alt: 282 - 295.23 Weak-Moderate Calcite>>

<<Struc: 289.4 - 289.48 Weak Fault>>

289.70 290.20 PEL Equigranular biotite + calcite +/- quartz rock

290.20 295.23 RHYvl Lapilli tuff

<<Min: 290.2 - 316.41 0.1% Min: Pyrite>>

<<Min: 290.2 - 316.41 0.1% Min: Pyrrhotite>>

295.23 302.27 PEL Equigranular biotite + calcite +/- quartz rock

295.23 - 302.27: Chlorite and biotite abundance intensity varies through interval. Small biotite rimmed, blue-white porphyroblasts thought to be cordierite replaced by carbonate (crystal faces flash under light)

<<Alt: 295.23 - 302.27 Moderate-Strong Calcite>>

<<Struc: 298.2 - 298.21 Weak dominant foliation>>

302.27 309.45 RHYvl Lapilli tuff

<<Alt: 302.27 - 327.95 Weak-Moderate Calcite>>

<<Vein: 305.78 - 305.98 100% Quarzt-Chlorite-Carbonate>> PO/PY

<<Vein: 309.35 - 309.45 100% Calcium carbonate/Carbonate>>

<<Struc: 308.19 - 308.27 Weak Fault>>

<<Struc: 309.32 - 309.35 Weak Fault>>

309.45 326.11 RHYi Aphanitic Rhyolite (intrusion)

<<Min: 316.41 - 316.52 10% Min: Pyrite>>

<<Min: 316.52 - 339 0.1% Min: Pyrite>>

<<Vein: 316.41 - 316.52 75% Calcium carbonate/Carbonate>>

326.11 327.95 RHYif feldspar and quartz porphyry intrusions

326.11 - 327.95: Appears to be a pseudofragmental contact of RHYi unit above.

<<Min: 327.46 - 327.5 1% Min: Sphalerite>>

<<Min: 327.46 - 327.5 0.1% Min: Galena>>

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

<<Vein: 327.46 - 327.5 100% Quartz-Carbonate-Sulphide>> SP disseminated in carbonate

<<Struc: 327.38 - 327.42 Weak Fault>>

327.95 328.30 PEL Equigranular biotite + calcite +/- quartz rock

<<Min: 327.95 - 330.85 0.1% Min: Pyrrhotite>>

<<Alt: 327.95 - 328.3 Moderate-Strong Calcite>>

328.30 329.14 RHYvl Lapilli tuff

<<Alt: 328.3 - 334.07 Weak-Moderate Calcite>>

329.14 330.85 RHYc Rhyolite coherant volcanics

330.85 331.15 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

<<Min: 330.85 - 339 0.5% Min: Pyrrhotite>>

331.15 333.46 RHYc Rhyolite coherant volcanics

<<Vein: 332.45 - 333.46 30% Quartz>>

333.46 334.07 PEL Equigranular biotite + calcite +/- quartz rock grey-brown

<<Alt: 334 - 351.26 Weak Biotite>>

334.07 339.00 RHYvl Lapilli tuff grey-green

<<Alt: 334.07 - 351.26 Trace Chlorite>>

<<Alt: 334.07 - 351.26 Weak Calcite>>

339.00 340.50 RHYc Rhyolite coherant volcanics

<<Min: 339 - 384 1% Min: Pyrite>> Aggregates of pyrite are found in and along edges of narrow carbonate-rich veins.

<<Min: 339 - 384 1% Min: Pyrrhotite>> Higher abundances are found in units with stronger intensity of chlorite alteration.

<<Vein: 339.29 - 339.41 100% Quartz>>

340.50 351.26 RHYvl Lapilli tuff grey-green

<<Vein: 349.15 - 350.4 20% Quartz>>

<<Struc: 348.1 - 348.33 Weak-Moderate Fault>>

351.26 353.75 PEL Equigranular biotite + calcite +/- quartz rock green

<<Alt: 351.26 - 353.75 Moderate-Strong Calcite>>

<<Alt: 351.26 - 353.95 Weak Chlorite>>

<<Alt: 351.26 - 362 Weak-Moderate Biotite>>

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

<<Struc: 353.6 - 353.61 Moderate dominant foliation>>

353.75 363.35 RHYvl Lapilli tuff grey-green

<<Min: 360.1 - 368.28 0.5% Min: Sphalerite>>

<<Alt: 353.75 - 363.65 Weak-Moderate Calcite>>

<<Alt: 353.95 - 370.66 Trace Chlorite>>

<<Alt: 362 - 378.5 Moderate Biotite>>

363.35 364.86 PEL Equigranular biotite + calcite +/- quartz rock green

<<Alt: 363.65 - 364.58 Moderate-Strong Calcite>>

<<Alt: 364.58 - 381.97 Moderate Calcite>>

<<Struc: 364.4 - 364.41 Moderate dominant foliation>>

364.86 370.66 RHYvl Lapilli tuff grey

364.86 - 370.66: pegmatitic cordierite along vein margins

<<Vein: 366.01 - 368.42 60% Quartz>> Sphalerite mineralization is localized along margins of the vein. Unidentified siliceous, greenish-grey, pegmatitic (1-3 cm) crystals form at margins (Cordierite is best guess). Biotite is fine grained and mixed with unidentified splintery, blue mineral.

370.66 372.04 PEL Equigranular biotite + calcite +/- quartz rock green

<<Alt: 370.66 - 381.97 Weak Chlorite>>

372.04 372.83 RHYvl Lapilli tuff grey

372.83 374.45 PEL Equigranular biotite + calcite +/- quartz rock green

374.45 378.74 RHYvl Lapilli tuff dark grey

<<Alt: 378.5 - 381.97 Weak-Moderate Biotite>>

378.74 379.04 PEL Equigranular biotite + calcite +/- quartz rock green

379.04 379.37 RHYvl Lapilli tuff grey-brown

379.37 381.97 PEL Equigranular biotite + calcite +/- quartz rock green

<<Struc: 380.65 - 380.66 Weak-Moderate dominant foliation>>

381.97 405.42 RHYvl Lapilli tuff grey

<<Min: 384 - 415.88 0.5% Min: Pyrrhotite>>

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

<<Min: 384 - 430 0.5% Min: Pyrite>>

<<Alt: 381.97 - 383 Trace Biotite>>

<<Alt: 381.97 - 405.42 Weak-Moderate Calcite>>

<<Struc: 386.98 - 387.45 Moderate Fault>>

<<Struc: 389.25 - 389.26 Moderate dominant foliation>>

<<Struc: 401.7 - 401.71 Weak-Moderate dominant foliation>>

405.42 406.68 PEL Equigranular biotite + calcite +/- quartz rock grey-brown FG

<<Alt: 405.42 - 415.83 Moderate Calcite>>

406.68 411.54 RHYv Rhyolite volcaniclastic

406.68 - 411.54: Rock is texturally obscure due to faulting. Portions of rock that are competent appear to be ash-rich and bear quartz eyes sparsly.

<<Vein: 406.68 - 417 2% Quartz-Carbonate>>

<<Struc: 407.92 - 408 Weak Fault>>

<<Struc: 409.26 - 409.89 Moderate Fault>>

411.54 415.83 PEL Equigranular biotite + calcite +/- quartz rock grey-brown FG

<<Struc: 415.51 - 415.66 Trace Fault>>

415.83 417.38 RHYvx Quartz and/or feldspar crystal tuff

<<Min: 415.88 - 445.35 0.1% Min: Pyrrhotite>>

<<Alt: 415.83 - 460.3 Weak-Moderate Calcite>>

417.38 425.58 FLZ Fault Zone

417.38 - 425.58: Suspected lithology is RHYi.

<<Struc: 417.38 - 425.58 Moderate Fault>> Faulted interval, rock textures are destructed and obscured. Intensity ranges from 4 (rubbly minor clay gouge with gravel and pieces of coherent rock) to 6 (dominantly fine clay gouge and protolith undistinguishable) through interval.

425.58 430.84 RHYv Rhyolite volcaniclastic

<<Min: 430 - 456.08 3% Min: Pyrite>>

430.84 433.10 RHYi Aphanitic Rhyolite (intrusion)

<<Struc: 431.9 - 431.9 Weak-Moderate dominant foliation>>

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

433.10 433.77 FLZ Fault Zone

433.1 - 433.77: Suspected to be a mix of RHYi and RHYv.

<<Struc: 433.1 - 433.7 Moderate-Strong Fault>>

433.77 434.20 RHYva Coarse grained to ash tuff

434.20 434.70 FLZ Fault Zone

434.2 - 434.7: Fault gouge is clay supported breccia. Lithology undetermined.

<<Struc: 434.2 - 434.7 Moderate-Strong Fault>> Alpha angles oppose each other. Upper contact beta is ~160, lower contact beta is approximately 240.

434.70 436.07 RHYv Rhyolite volcaniclastic

<<Struc: 434.8 - 434.8 Trace dominant foliation>>

436.07 436.74 FLZ Fault Zone

436.07 - 436.74: Gouge is clay supported breccia. Siliceous clasts.

<<Struc: 436.07 - 436.74 Moderate-Strong Fault>> Alpha angles oppose each other. Upper contact beta is ~160, lower contact beta is approximately 240. Semi-massive pyrite mineralization along lower fault contact.

436.74 442.32 RHYi Aphanitic Rhyolite (intrusion)

<<Struc: 437.3 - 437.77 Weak Fault>>

<<Struc: 438.79 - 439.91 Weak Fault>>

442.32 445.35 RHYv Rhyolite volcaniclastic

445.35 456.08 RHYc Rhyolite coherant volcanics

<<Min: 445.35 - 456.08 2% Min: Pyrrhotite>>

<<Vein: 446.68 - 446.71 90% Quartz>>

<<Struc: 450.42 - 450.5 Trace Fault>>

<<Struc: 451.18 - 455.84 Moderate Fault>> Faulted interval. Any partially coherent rock is strongly foliated or rubbly.

456.08 457.15 RHYva Coarse grained to ash tuff grey-brown

456.08 - 457.15: Fine grained biotite gives rock a grey-brown colour. Calcite is fine grained and pervasive through this interval.

<<Min: 456.08 - 486 0.1% Min: Pyrite>>

<<Min: 456.08 - 495.7 2% Min: Pyrrhotite>>

<<Struc: 457.05 - 457.05 Trace dominant foliation>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
457.15	**458.70**	**RHYva Coarse grained to ash tuff leucocratic FG**									
457.15 - 458.7: Light grey-cream colored, fine-grained, siliceous rhyolite tuff with disseminated PO flattened into foliation. Bi occurs locally, forming along foliation.											
		<<Struc: 457.15 - 460.3 Moderate Fault>>									
458.70	**460.30**	**No Core No Core**									
460.30	**486.00**	**RHYva Coarse grained to ash tuff**									
		<<Alt: 460.3 - 499.5 Weak Muscovite>>									
		<<Alt: 460.3 - 543.96 Trace Calcite>>									
		<<Vein: 470.7 - 471 95% Quartz-Carbonate>>									
		<<Vein: 475.16 - 475.26 100% Quartz-Carbonate>>									
		<<Struc: 460.89 - 461.04 Weak Fault>>									
		<<Struc: 461.85 - 463.1 Moderate-Strong Fault>>									
		<<Struc: 463.4 - 464.85 Weak-Moderate Fault>>									
		<<Struc: 470.7 - 470.77 Trace Fault>>									
		<<Struc: 477.04 - 477.35 Weak Fault>> Two faults ~10cm spaced 5cm apart.									
		<<Struc: 480.7 - 480.85 Trace Fault>>									
		<<Struc: 483.5 - 483.85 Weak Fault>>									
		<<Struc: 485.7 - 485.7 Trace dominant foliation>>									
486.00	**493.17**	**RHYva Coarse grained to ash tuff dark grey FG**	491.65	493.17	1.52	B00266306	0.013	1.8	-0.01	0.04	0.03
486 - 493.17: Dark grey, fine-grained Rhyolite ash with minor biotite along foliation. Unit bears heavily disseminated, fine-grained pyrite and aggregates of pyrite forming in bands.											
		<<Min: 486 - 493.17 5% Min: Pyrite>> Finely disseminated through interval and also occurs locally in aggregated bands that cross the core.									
		<<Struc: 488.6 - 488.6 Weak dominant foliation>>									
		<<Struc: 491.68 - 491.76 Trace Fault>>									
493.17	**495.70**	**OI Heavilly disseminated sulphides in host schist dark grey FG**	493.17	494.20	1.03	B00266307	0.018	0.3	-0.01	-0.01	-0.01
493.17 - 495.7: Dark grey RHYva with high concentration (~15-20%) of finely disseminated PY. Minor carbonaceous compnent.											
		<<Min: 493.17 - 495.7 20% Min: Pyrite>>	494.20	495.70	1.50	B00266308	0.018	0.7	-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 %
495.70	**501.82**	**RHYv Rhyolite volcaniclastic cream**									
495.7 - 501.82: Siliceous cream colored QE bearing rhyolite with disseminated PY/PO. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.											
<<Min: 495.7 - 501.82 3% Min: Pyrite>>											
<<Min: 495.7 - 504 1% Min: Pyrrhotite>>											
<<Alt: 499.5 - 562.3 Moderate Muscovite>> Intensity of Mu alteration increases in proximity to faults.											
<<Struc: 500.13 - 500.3 Weak Fault>>											
501.82	**506.33**	**MDSt Rhyolite tuff dominant mudstone dark grey FG**	501.82	502.23	0.41	B00266309	0.013	0.6	-0.01	0.01	0.02
501.82 - 506.33: Dark grey RHYva with high concentration (~10-15%) of finely disseminated PY. Minor carbonaceous component.											
<<Min: 501.82 - 502.23 10% Min: Pyrite>>			502.23	504.00	1.77	B00266311	0.007	0.4	-0.01	-0.01	0.01
<<Min: 502.23 - 504 1% Min: Pyrite>>			504.00	505.40	1.40	B00266312	0.026	0.6	-0.01	0.01	0.01
<<Min: 504 - 506.33 10% Min: Pyrite>>			505.40	506.33	0.93	B00266313	0.04	0.9	-0.01	0.01	0.01
<<Min: 504 - 510.67 2% Min: Pyrrhotite>>											
506.33	**507.25**	**RHYv Rhyolite volcaniclastic**	506.33	507.36	1.03	B00266314	0.079	4.5	0.25	-0.01	2.14
506.33 - 507.25: Siliceous cream colored QE bearing rhyolite with disseminated PY/PO. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.											
<<Min: 506.33 - 507.36 3% Min: Sphalerite>>											
<<Min: 506.33 - 507.36 2% Min: Chalcopyrite>>											
<<Min: 506.33 - 510.67 0.5% Min: Pyrite>>											
507.25	**507.36**	**OI Heavilly disseminated sulphides in host schist**									
507.25 - 507.36: Thick band disseminated SP (5%), PO (5%) and CP (3%) cross cutting host schist.											
507.36	**510.67**	**RHYv Rhyolite volcaniclastic light grey**									
507.36 - 510.67: Siliceous cream colored QE bearing rhyolite with disseminated PY/PO. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.											
510.67	**513.00**	**MDSt Rhyolite tuff dominant mudstone dark grey FG**	510.67	512.00	1.33	B00266315	0.034	0.5	-0.01	0.01	0.04
510.67 - 513: Dark grey RHYva with high concentration (~10-15%) of finely disseminated PY. Minor carbonaceous component.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 510.67 - 519 1% Min: Pyrrhotite>>	512.00	513.60	1.60	B00266316	0.01	0.5	0.02	-0.01	0.28
		<<Min: 510.67 - 526.52 3% Min: Pyrite>>									
		<<Struc: 512.75 - 512.75 Weak dominant foliation>>									
513.00	**526.52**	**RHYv Rhyolite volcaniclastic light grey**	513.60	514.50	0.90	B00266317	-0.005	0.5	-0.01	-0.01	0.03
		513 - 526.52: Siliceous cream colored QE bearing rhyolite with disseminated PY/PO. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.									
		<<Min: 514.5 - 515.1 0.5% Min: Sphalerite>>	514.50	515.10	0.60	B00266318	0.232	17.5	0.94	-0.01	0.35
		<<Min: 514.5 - 515.1 2% Min: Chalcopyrite>>									
		<<Min: 519 - 542 0.1% Min: Pyrrhotite>>									
		<<Struc: 521.93 - 522.72 Moderate Fault>>									
526.52	**527.25**	**CHT Chert FG**	526.52	527.25	0.73	B00266319	0.307	6	0.06	0.15	0.47
		526.52 - 527.25: Very hard, siliceous, blue chert (?). Thin carbonaceous bands are present through unit.									
		<<Min: 526.52 - 527.25 7% Min: Pyrite>>									
527.25	**536.87**	**RHYv Rhyolite volcaniclastic light grey**	530.73	531.73	1.00	B00266321	0.018	1.1	0.01	-0.01	0.34
		527.25 - 536.87: Siliceous light grey colored QE bearing rhyolite with disseminated PY/PO. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.									
		<<Min: 527.25 - 542 2% Min: Pyrite>>	531.73	532.85	1.12	B00266322	-0.005	1.3	-0.01	-0.01	0.22
		<<Struc: 536.86 - 536.86 Weak-Moderate dominant foliation>>									
536.87	**543.96**	**RHYv Rhyolite volcaniclastic light grey**	542.00	543.00	1.00	B00266323	0.02	0.6	-0.01	-0.01	0.04
		536.87 - 543.96: Siliceous light grey colored QE bearing rhyolite with lapilli present sparsely. Silicification indicates possibility of RHYc, though no definitive coherent textures are present.									
		<<Min: 542 - 543 3% Min: Pyrite>>									
		<<Min: 542 - 548 2% Min: Pyrrhotite>>									
		<<Min: 543 - 552 1% Min: Pyrite>>									
		<<Struc: 538.98 - 539.13 Weak Fault>>									
		<<Struc: 539.95 - 539.95 Weak-Moderate dominant foliation>>									
543.96	**552.00**	**RHYvl Lapilli tuff dark grey**									
		543.96 - 552: Siliceous dark grey lapilli tuff with trace biotite/chlorite in lapilli.									
		<<Min: 548 - 553 1% Min: Pyrrhotite>>									
		<<Alt: 543.96 - 558 Weak Calcite>>									
		<<Alt: 543.96 - 621 Trace Biotite>> Trace locally within lapilli.									

From (m)	To (m)	Rocktype & Description

<<Alt: 543.96 - 640.86 Trace Chlorite>> Trace locally within lapilli.

552.00 565.56 RHYvl Lapilli tuff grey-green

552 - 565.56: Large interval of felic lapilli tuff. Lapilli are observed to host chlorite, biotite, quartz and pyrite. Unit is pervasively weakly-moderately muscovite altered.

<<Min: 552 - 581 1% Min: Pyrite>>

<<Min: 553 - 573 0.1% Min: Pyrrhotite>>

<<Alt: 558 - 624 Trace Calcite>>

<<Alt: 562.3 - 573.25 Weak-Moderate Muscovite>>

<<Vein: 556.95 - 557.1 100% Quartz-Carbonate>>

<<Vein: 557.5 - 557.75 95% Quartz>>

<<Struc: 555.3 - 558 Moderate Fault>> Interval of rubbly rock, clay gouge and remobilized foliation. No large (>30cm) clay gouge zones.

<<Struc: 562.7 - 563.8 Moderate Fault>> Clay and sand gouge mixed with rubbly rock

565.56 573.45 RHYva Coarse grained to ash tuff cream

<<Min: 573 - 594 0.5% Min: Pyrrhotite>>

<<Alt: 573.25 - 575 Moderate Muscovite>>

<<Struc: 571.75 - 580.3 Weak Fault>> Interval with several small, low intensity faults (<15 cm) spaced 0.5-1 m apart.

573.45 582.75 RHYvl Lapilli tuff grey-green

<<Min: 581 - 604.46 0.5% Min: Pyrite>>

<<Alt: 575 - 612.3 Weak-Moderate Muscovite>>

582.75 585.70 RHYva Coarse grained to ash tuff light grey

<<Struc: 584.4 - 585 Moderate Fault>>

<<Struc: 585.4 - 588 Moderate Fault>>

585.70 601.08 RHYvl Lapilli tuff grey-green

<<Min: 594 - 612 1% Min: Pyrrhotite>>

<<Struc: 590.45 - 590.6 Weak Fault>>

<<Struc: 591 - 591.5 Moderate Fault>>

<<Struc: 592 - 593.25 Moderate-Strong Fault>>

<<Struc: 594.3 - 600.2 Trace Fault>> Narrow (<10cm) clay gouge filled faults spaced 0.5-1 m apart.

601.08 603.38 RHYva Coarse grained to ash tuff cream

603.38 640.86 RHYvl Lapilli tuff grey-green

<<Min: 604.46 - 605.62 5% Min: Pyrite>>

<<Min: 605.62 - 645 0.5% Min: Pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
604.46	605.62	1.16	B00266324	-0.005	-0.3	-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 %

<<Min: 609 - 616.5 2% Min: Pyrrhotite>>

<<Min: 616.5 - 645 1% Min: Pyrrhotite>>

<<Alt: 612.3 - 619.15 Moderate-Strong Muscovite>>

<<Alt: 619.15 - 625 Weak-Moderate Muscovite>>

<<Alt: 624 - 638 Weak Calcite>>

<<Alt: 625 - 645 Weak Muscovite>>

<<Alt: 638 - 640.86 Weak-Moderate Calcite>>

<<Vein: 606.66 - 606.83 100% Quartz>>

<<Struc: 605.55 - 605.8 Weak Fault>>

<<Struc: 613.2 - 613.3 Trace Fault>>

<<Struc: 614.8 - 614.95 Weak Fault>>

<<Struc: 619.2 - 619.3 Weak Fault>>

<<Struc: 624.25 - 624.48 Weak-Moderate Fault>>

<<Struc: 639.62 - 639.71 Trace Fault>>

640.86 642.39 MAFi Mafic Intrusions (primarily footwall mafic intrusion) green-brown

<<Alt: 640.86 - 642.9 Weak Chlorite>>

<<Alt: 640.86 - 645 Moderate Calcite>>

642.39 645.00 RHYvl Lapilli tuff grey-green

<<Alt: 642.9 - 645 Trace Chlorite>>

End of Hole @ 645