

## GeoSpark Logger ~ Drill Log

**Project:** KZK **Hole Number:** K16-399

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:	7/20/2016	
UTM Easting	415448.345	Core Size:	HQ3	Azimuth:	203.8	Date Logging Complete:	8/1/2016	
UTM Northing:	6815529.371	Casing Pulled?:	Yes	Dip:	-75.4	Drill Company:	Hytech	
UTM Elev. (m):	1518.146	Casing Depth (m):	6	Length (m):	810	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/19/2016	
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	8/1/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Exploration	
Comments:							Parent Hole:	

The purpose of hole K16-399 was to test the down dip extension of the Krakatoa lens, approximately 80-100 m down dip from the intercept in K16-385. Total hole depth is 810 m. No Massive sulphide was intersected in hole K16-399. Patchy to pervasive, moderate to strong muscovite alteration is observed from 483-548 m. Aggregates of pyrite (up to 5% modal abundance) and a 13 cm band of massive pyrite are found between 497-537 m. Trace-weak chlorite alteration is found concentrated in lapilli of the RHYvl units between 283-449 m and 549-670 m. Weak-moderate chlorite and biotite porphyroblasts are present within (as well as proximal to) narrow pelitic intervals throughout the stratigraphy. The drill hole intersects the Wind Lake formation at 6 m depth, which consists of intercalated calcareous mafic tuffs and mudstone down to 283.5 m. The contact between the Wind Lake formation and the KZK formation is faulted. The KZK formation consists of felsic volcanics and narrow biotite and/or pelitic sediments stretching from 283.5 m to EOH at 810 m depth. Felsic volcanic rocks consist mostly of unaltered to weakly altered (muscovite and or chlorite) ash, crystal and or lapilli tuffs with lesser abundances of coherent rhyolite. An aphanitic rhyolite dike is present between 450.2-452.62 m. Significant faulting is noted between 40-87 m, 97-112 m and 707-737 m.

### Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-75.4	202.4	1.4	203.8	TN14	David Nuttal	7/19/2016		<input checked="" type="checkbox"/>	
0.01	-75.65513	203.2	1.4	204.6	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
10	-75.63005	202.85775	1.4	204.25775	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
15	-75.5	184.4	22.1	206.5	ReflexEZS	Hytech	7/19/2016	5848	<input type="checkbox"/>	
20	-75.64642	201.83036	1.4	203.23036	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
30	-75.46734	200.99452	1.4	202.39452	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
39	-75.3	179.2	22.1	201.3	ReflexEZS	Hytech	7/19/2016	5648	<input type="checkbox"/>	
40	-75.23587	200.42649	1.4	201.82649	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
50	-75.31105	200.88833	1.4	202.28833	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
60	-75.28507	201.73311	1.4	203.13311	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
63	-75.2	182.6	22.1	204.7	ReflexEZS	Hytech	7/20/2016	5771	<input type="checkbox"/>	
70	-75.23638	202.41903	1.4	203.81903	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
80	-75.33247	202.65807	1.4	204.05807	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
87	-75.5	181.9	22.1	204	ReflexEZS	Hytech	7/20/2016	5783	<input type="checkbox"/>	
90	-75.33674	202.57211	1.4	203.97211	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	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
100	-75.36402	202.73325	1.4	204.13325	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
110	-75.31185	202.87525	1.4	204.27525	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
111	-75.3	184.7	22.1	206.8	ReflexEZS	Hytech	7/20/2016	5783	<input type="checkbox"/>	
120	-75.19128	203.36246	1.4	204.76246	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
130	-75.00944	203.93843	1.4	205.33843	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
135	-75	184	22.1	206.1	ReflexEZS	Hytech	7/20/2016	5783	<input type="checkbox"/>	
140	-74.96574	203.99942	1.4	205.39942	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
150	-74.8194	204.25751	1.4	205.65751	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
159	-74.9	186	22.1	208.1	ReflexEZS	Hytech	7/21/2016	5749	<input type="checkbox"/>	
160	-74.82242	204.53873	1.4	205.93873	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
170	-74.98231	204.87179	1.4	206.27179	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
180	-75.02689	205.01342	1.4	206.41342	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
183	-75.1	186.4	22.1	208.5	ReflexEZS	Hytech	7/21/2016	5820	<input type="checkbox"/>	
190	-74.94589	205.07971	1.4	206.47971	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
200	-74.74509	205.0654	1.4	206.4654	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
207	-74.6	184.9	22.1	207	ReflexEZS	Hytech	7/21/2016	5788	<input type="checkbox"/>	
210	-74.55581	205.10836	1.4	206.50836	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
220	-74.43412	205.51194	1.4	206.91194	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
230	-74.27183	205.73299	1.4	207.13299	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
231	-74.2	186	22.1	208.1	ReflexEZS	Hytech	7/21/2016	5779	<input type="checkbox"/>	
240	-74.06117	205.81801	1.4	207.21801	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
250	-73.98622	206.04507	1.4	207.44507	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
255	-73.9	187.6	22.1	209.7	ReflexEZS	Hytech	7/22/2016	5771	<input type="checkbox"/>	
260	-74.02894	205.84302	1.4	207.24302	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
270	-73.99385	206.2585	1.4	207.6585	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
279	-73.7	187.7	22.1	209.8	ReflexEZS	Hytech	7/22/2016	5776	<input type="checkbox"/>	
280	-73.79706	206.19487	1.4	207.59487	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
290	-73.739	206.32272	1.4	207.72272	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
300	-73.63852	207.43832	1.4	208.83832	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
303	-73.6	187.2	22.1	209.3	ReflexEZS	Hytech	7/22/2016	5778	<input type="checkbox"/>	
310	-73.73465	207.54343	1.4	208.94343	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
320	-73.57462	207.63933	1.4	209.03933	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
327	-73.4	187.7	22.1	209.8	ReflexEZS	Hytech	7/23/2016	5786	<input type="checkbox"/>	
330	-73.34836	207.56431	1.4	208.96431	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100

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340	-73.23548	207.49209	1.4	208.89209	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
350	-73.12637	207.11897	1.4	208.51897	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
351	-73.1	186.6	22.1	208.7	ReflexEVS	Hytech	7/23/2016	5786	<input type="checkbox"/>	
360	-73.09085	206.78516	1.4	208.18516	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
370	-72.97889	206.50429	1.4	207.90429	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
375	-72.9	185.3	22.1	207.4	ReflexEVS	Hytech	7/23/2016	5804	<input type="checkbox"/>	
380	-72.96765	206.38439	1.4	207.78439	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
390	-72.85701	206.44524	1.4	207.84524	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
399	-72.9	186.9	22.1	209	ReflexEVS	Hytech	7/24/2016	5798	<input type="checkbox"/>	
400	-72.86166	206.4587	1.4	207.8587	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
410	-72.8852	206.33748	1.4	207.73748	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
420	-72.79477	206.04123	1.4	207.44123	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
423	-72.5	183	22.1	205.1	ReflexEVS	Hytech	7/24/2016	5642	<input type="checkbox"/>	
430	-72.80414	206.09062	1.4	207.49062	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
440	-72.6282	206.3043	1.4	207.7043	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
447	-72.6	180.2	22.1	202.3	ReflexEVS	Hytech	7/24/2016	5704	<input type="checkbox"/>	
450	-72.58148	206.3262	1.4	207.7262	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
460	-72.63208	206.66241	1.4	208.06241	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
470	-72.58602	206.5438	1.4	207.9438	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
471	-72.6	190.8	22.1	212.9	ReflexEVS	Hytech	7/24/2016	5867	<input type="checkbox"/>	
480	-72.49041	206.39535	1.4	207.79535	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
490	-72.50044	206.10851	1.4	207.50851	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
495	-72.3	184.9	22.1	207	ReflexEVS	Hytech	7/25/2016	5765	<input type="checkbox"/>	
500	-72.46721	205.64348	1.4	207.04348	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
510	-72.37386	205.37025	1.4	206.77025	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
519	-72.2	291.7	22.1	313.8	ReflexEVS	Hytech	7/25/2016	5782	<input type="checkbox"/>	
520	-72.27469	205.17748	1.4	206.57748	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
530	-72.20954	205.14583	1.4	206.54583	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
540	-72.14211	205.38926	1.4	206.78926	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
543	-71.8	184.1	22.1	206.2	ReflexEVS	Hytech	7/26/2016	5785	<input type="checkbox"/>	
550	-71.89159	204.6133	1.4	206.0133	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
560	-71.83511	204.54966	1.4	205.94966	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
567	-71.8	186.5	22.1	208.6	ReflexEVS	Hytech	7/26/2016	5626	<input type="checkbox"/>	
570	-71.81841	204.7868	1.4	206.1868	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
580	-71.79737	204.78954	1.4	206.18954	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
590	-71.81548	204.99422	1.4	206.39422	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
591	-71.7	185.7	22.1	207.8	ReflexEZS	Hytech	7/26/2016	5795	<input type="checkbox"/>	
600	-71.78421	205.31109	1.4	206.71109	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
610	-71.76586	205.32496	1.4	206.72496	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
615	-71.6	184	22.1	206.1	ReflexEZS	Hytech	7/27/2016	5753	<input type="checkbox"/>	
620	-71.73054	205.41424	1.4	206.81424	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
630	-71.61025	205.72429	1.4	207.12429	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
639	-71.5	184.9	22.1	207	ReflexEZS	Hytech	7/28/2016	5813	<input type="checkbox"/>	
640	-71.59901	206.02849	1.4	207.42849	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
650	-71.56556	206.69245	1.4	208.09245	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
660	-71.47944	207.2087	1.4	208.6087	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
663	-71.3	182.3	22.1	204.4	ReflexEZS	Hytech	7/28/2016	5816	<input type="checkbox"/>	
670	-71.4148	207.86451	1.4	209.26451	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
680	-71.29109	208.26075	1.4	209.66075	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
687	-71.2	187.8	22.1	209.9	ReflexEZS	Hytech	7/28/2016	5839	<input type="checkbox"/>	
690	-71.2243	208.46189	1.4	209.86189	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
700	-71.16856	208.73621	1.4	210.13621	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
710	-71.08808	208.73288	1.4	210.13288	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
711	-71	189.1	22.1	211.2	ReflexEZS	Hytech	7/29/2016	5779	<input type="checkbox"/>	
720	-71.07844	208.65507	1.4	210.05507	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
730	-71.01492	208.52893	1.4	209.92893	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
735	-71.1	187.7	22.1	209.8	ReflexEZS	Hytech	7/30/2016	5782	<input type="checkbox"/>	
740	-71.09926	208.63174	1.4	210.03174	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
750	-70.99442	208.48874	1.4	209.88874	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
760	-71.05576	208.36196	1.4	209.76196	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
770	-70.94383	208.21379	1.4	209.61379	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
780	-70.63488	208.39154	1.4	209.79154	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100
790	-70.55249	208.31012	1.4	209.71012	Gyro	Alicia Vainio	8/1/2016		<input checked="" type="checkbox"/>	100

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>0.00</b>	<b>6.00</b>	<b>OVBN Overburden</b>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>6.00</b>	<b>14.71</b>	<b>MAFt Mafic Volcaniclastics</b>									
<p>6 - 14.71: Mixed unit of dominantly calcareous grey-green MAFt with narrow intercalations of MDS.</p> <p>&lt;&lt;Min: 6 - 22 0.5% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 6 - 40.7 0.5% Min: Pyrite&gt;&gt; Pyrite mineralization is found to have higher modal abundance in MDS units.</p> <p>&lt;&lt;Alt: 6 - 40 Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Struc: 8.8 - 8.8 Moderate dominant foliation&gt;&gt;</p>											
<b>14.71</b>	<b>23.06</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<p>14.71 - 23.06: Dark grey, calcareous, well foliated mudstone.</p> <p>&lt;&lt;Min: 22 - 25.3 1% Min: Pyrrhotite&gt;&gt;</p>											
<b>23.06</b>	<b>23.68</b>	<b>MAFt Mafic Volcaniclastics</b>									
<b>23.68</b>	<b>32.22</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<p>&lt;&lt;Min: 24.5 - 25.3 0.1% Min: Sphalerite&gt;&gt;</p> <p>&lt;&lt;Min: 25.3 - 40.7 0.5% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Struc: 26.6 - 26.6 Moderate dominant foliation&gt;&gt; no orientation</p>											
<b>32.22</b>	<b>34.00</b>	<b>MAFt Mafic Volcaniclastics</b>									
<p>32.22 - 34: Minor mudstone component</p>											
<b>34.00</b>	<b>34.68</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<b>34.68</b>	<b>40.70</b>	<b>MAFt Mafic Volcaniclastics</b>									
<p>34.68 - 40.7: Conglomerate bearing subround lithic fragments/clast (0.5-4 cm across) present from 37.4-40.7 m.</p> <p>&lt;&lt;Alt: 40 - 87 Weak-Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Struc: 39.2 - 40.7 Moderate Shear&gt;&gt; Sheared margin of fault zone below.</p>											
<b>40.70</b>	<b>41.82</b>	<b>FLZ Fault Zone</b>									
<p>40.7 - 41.82: Lithologies expected to be MDS and MAFt.</p> <p>&lt;&lt;Min: 40.7 - 105 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 40.7 - 123.16 0.1% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 40.7 - 52.65 Strong Fault&gt;&gt; Strongly faulted interval with vestiges of sheared MAFt/MDS units.</p>											
<b>41.82</b>	<b>42.62</b>	<b>MAFt Mafic Volcaniclastics</b>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>42.62</b>	<b>46.08</b>	<b>FLZ      Fault Zone</b> 42.62 - 46.08: Lithology suspected to be MAFt.									
<b>46.08</b>	<b>48.62</b>	<b>MAFt      Mafic Volcaniclastics</b> <b>grey-green</b> 46.08 - 48.62: Sheared interval between large faults.									
<b>48.62</b>	<b>52.65</b>	<b>MAFt      Mafic Volcaniclastics</b> <b>green</b> 48.62 - 52.65: Faulted and sheared interval.									
<b>52.65</b>	<b>54.50</b>	<b>MDS      Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b> <b>black</b> 52.65 - 54.5: Sheared and faulted interval <<Struc: 52.65 - 55.26 Moderate Shear>>    Sheared margin of fault zone above.									
<b>54.50</b>	<b>55.26</b>	<b>MAFt      Mafic Volcaniclastics</b> <b>green</b> <<Vein: 54.85 - 65.79 90% Quartz-Carbonate>>    Large interval of massive foliation parallel Qz vein.									
<b>55.26</b>	<b>58.90</b>	<b>INT      undifferentiated (granitic) intrusive rocks</b> <b>leucocratic</b> 55.26 - 58.9: Massive quartz vein									
<b>58.90</b>	<b>59.40</b>	<b>MDS      Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b> <b>black</b>									
<b>59.40</b>	<b>63.19</b>	<b>INT      undifferentiated (granitic) intrusive rocks</b> <b>leucocratic</b> 59.4 - 63.19: Massive quartz vein.									
<b>63.19</b>	<b>64.20</b>	<b>MAFt      Mafic Volcaniclastics</b> <b>green</b> 63.19 - 64.2: Sheared margin of fault. <<Struc: 62.89 - 64 Moderate Shear>>    Sheared margin of fault zone below.									
<b>64.20</b>	<b>66.74</b>	<b>FLZ      Fault Zone</b> 64.2 - 66.74: Lithology is suspected to be mixed MDS and MAFt. <<Struc: 64 - 67.24 Moderate-Strong Fault>>    Strongly faulted interval with vestiges of sheared MAFt/MDS units.									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>66.74</b>	<b>70.05</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
66.74 - 70.05: Sheared margin to large fault											
<<Struc: 67.24 - 74.7 Moderate-Strong Shear>> Sheared margin of fault zone above and below.											
<b>70.05</b>	<b>73.70</b>	<b>MAFt Mafic Volcaniclastics</b>									
70.05 - 73.7: Sheared interval along fault margin.											
<b>73.70</b>	<b>80.80</b>	<b>FLZ Fault Zone</b>									
73.7 - 80.8: Intense faulting. Lith is suspected to be dominantly MAFt.											
<<Vein: 74.45 - 74.7 100% Quartz-Carbonate>>											
<<Struc: 74.7 - 80.8 Strong Fault>> Strongly faulted interval with vestiges of sheared MAFt/MDS units.											
<b>80.80</b>	<b>108.96</b>	<b>MAFt Mafic Volcaniclastics</b>									
80.8 - 108.96: Interval is pervasively sheared and or faulted.											
<<Min: 105 - 131.57 0.5% Min: Pyrrhotite>>											
<<Alt: 87 - 97 Moderate Calcite>>											
<<Alt: 97 - 112 Weak-Moderate Calcite>>											
<<Vein: 85.83 - 86.15 80% Quartz-Carbonate>>											
<<Vein: 100.06 - 100.58 70% Quartz>> Brecciated by faulting											
<<Struc: 80.8 - 86 Strong Shear>> Sheared margin of fault zone above.											
<<Struc: 86.65 - 87 Weak-Moderate Fault>>											
<<Struc: 88.2 - 88.2 Moderate dominant foliation>>											
<<Struc: 94.5 - 102.77 Moderate Fault>> Interval of several moderate faults (10-50 cm wide) spaced 0.5-1.5 m apart. Rock rubble and shearing is present between faults and along margins of fault zone.											
<<Struc: 107 - 107 Moderate dominant foliation>>											
<<Struc: 107.78 - 109.69 Weak-Moderate Fault>> Four weak-moderate clay gouge-filled faults (<30cm) spaced <40 cm apart with proximal rock rubble.											
<b>108.96</b>	<b>111.97</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									<b>FG</b>
108.96 - 111.97: Interbedded MDS and MAFt. Dominantly MDS.											
<<Struc: 111.25 - 111.4 Weak-Moderate Fault>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>111.97</b>	<b>113.27</b>	<b>MAFt Mafic Volcaniclastics</b>									
111.97 - 113.27: Interbedded MDS and MAFt. Dominantly MAFt											
<<Alt: 112 - 238 Moderate-Strong Calcite>> intensity slightly higher in mafic tuffs than mudstones.											
<b>113.27</b>	<b>114.06</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<<Min: 113.27 - 114.06 0.1% Min: Chalcopyrite>>											
<b>114.06</b>	<b>115.60</b>	<b>MAFt Mafic Volcaniclastics</b>									
<<Struc: 114.29 - 114.58 Trace Fault>>											
<b>115.60</b>	<b>117.10</b>	<b>MAFt Mafic Volcaniclastics</b>									
<b>117.10</b>	<b>118.80</b>	<b>MAFta Coarse grained to ash tuff</b>									
<b>118.80</b>	<b>123.16</b>	<b>MAFt Mafic Volcaniclastics</b>									
<b>123.16</b>	<b>124.54</b>	<b>MAFta Coarse grained to ash tuff</b>									
<<Min: 123.16 - 129.48 0.1% Min: Chalcopyrite>>											
<<Min: 123.16 - 133.43 0.5% Min: Pyrite>>											
<b>124.54</b>	<b>127.63</b>	<b>MAFt Mafic Volcaniclastics</b>									
<<Struc: 125.15 - 125.75 Weak Fault>>											
<b>127.63</b>	<b>131.57</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<<Vein: 129.48 - 130.36 95% Quartz 50 deg. >> PY/PO clots											
<b>131.57</b>	<b>133.43</b>	<b>MAFt Mafic Volcaniclastics</b>									
<<Min: 131.57 - 133.43 1% Min: Pyrrhotite>>											
<<Vein: 132.02 - 132.09 100% Quartz-Carbonate 45 deg. >>											
<<Vein: 133.2 - 133.43 100% Quartz-Carbonate 60 deg. >>											
<b>133.43</b>	<b>142.40</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<<Min: 133.43 - 156.26 0.1% Min: Chalcopyrite>>											
<<Min: 133.43 - 166.82 1% Min: Pyrite>> Also commonly found as a fracture filling mineral.											
<<Min: 133.43 - 166.82 0.5% Min: Pyrrhotite>>											
<<Vein: 134.43 - 134.51 100% Quartz-Carbonate 55 deg. >>											
<<Vein: 137.41 - 137.51 90% Quartz-Carbonate 50 deg. >>											
<<Struc: 134.8 - 135 Trace Fault>>											
<<Struc: 136.2 - 136.4 Weak Fault>>											



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Struc: 137.83 - 138 Weak-Moderate Fault>>											
<b>142.40</b>	<b>146.67</b>	<b>MAFt Mafic Volcaniclastics</b>									<b>green</b>
142.4 - 146.67: Contains rounded lithic clasts. Narrow (1-3 cm wide qz/cb bands host disseminated Py and Sp.											
<<Min: 142.4 - 156.26 0.1% Min: Sphalerite>>											
<b>146.67</b>	<b>156.26</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									<b>black</b>
<<Vein: 151.13 - 151.21 90% Quartz-Carbonate>>											
<<Struc: 150.92 - 151.07 Weak Fault>>											
<<Struc: 152.43 - 152.6 Weak Fault>>											
<b>156.26</b>	<b>159.00</b>	<b>MAFt Mafic Volcaniclastics</b>									<b>green</b>
<<Struc: 158.93 - 159 Weak Fault>>											
<b>159.00</b>	<b>160.80</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									<b>black</b>
<b>160.80</b>	<b>161.82</b>	<b>MAFt Mafic Volcaniclastics</b>									<b>green</b>
<b>161.82</b>	<b>168.00</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									<b>black</b>
<<Min: 166.82 - 176.35 0.1% Min: Pyrrhotite>>											
<<Min: 166.82 - 184 0.5% Min: Pyrite>>											
<<Vein: 167.7 - 167.93 90% Quartz-Carbonate 15 deg. >> PY/PO clots.											
<<Struc: 166.82 - 174 Weak-Moderate Shear>> Mix of low angle (to core axis) shearing and faulting.											
<b>168.00</b>	<b>176.30</b>	<b>MAFt Mafic Volcaniclastics</b>									<b>green</b>
<<Vein: 169.71 - 170.05 100% Quartz 40 deg. >>											
<<Vein: 173.3 - 173.56 70% Quartz-Carbonate 10 deg. >>											
<<Struc: 174.68 - 174.81 Weak Fault>> Clay gouge											
<b>176.30</b>	<b>195.24</b>	<b>MAFt Mafic Volcaniclastics</b>									<b>grey-green</b>
176.3 - 195.24: Interval of thinly bedded MAFt and MDS, mixed MAFt/MDS and short intervals matrix supported MAFt/MDS conglomerate.											
<<Min: 176.35 - 189 2% Min: Pyrrhotite>>											
<<Min: 184 - 189 1% Min: Pyrite>>											
<<Min: 189 - 192.6 0.1% Min: Pyrite>>											
<<Min: 189 - 216 1% Min: Pyrrhotite>>											
<<Min: 192.6 - 196.68 1% Min: Pyrrhotite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Min: 192.6 - 232.38 0.1% Min: Pyrite&gt;&gt;            &lt;&lt;Struc: 179.92 - 180.43 Weak Fault&gt;&gt; Interval of rock rubble; no gouge.            &lt;&lt;Struc: 183 - 183.05 Weak Fault&gt;&gt; Clay gouge            &lt;&lt;Struc: 190.48 - 190.6 Trace Fault&gt;&gt; Rock rubble fault            &lt;&lt;Struc: 193.05 - 193.2 Weak Fault&gt;&gt; Rock rubble and clay gouge filled fault</p>											
<b>195.24</b>	<b>196.68</b>	<b>MAFt Mafic Volcaniclastics</b>	<b>green</b>								
195.24 - 196.68: Mafic tuff with white-cream colored siliceous/calcareous bands.											
<p>&lt;&lt;Struc: 196.31 - 196.68 Weak Fault&gt;&gt; Rock breccia and minor clay gouge.</p>											
<b>196.68</b>	<b>207.38</b>	<b>MAFta Coarse grained to ash tuff</b>	<b>grey-green</b>	<b>FG</b>							
196.68 - 207.38: Fine grained, grey-green, siliceous-calcareous mafic (ash) tuff.											
<p>&lt;&lt;Min: 196.68 - 228.96 0.1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Struc: 200.2 - 200.2 Weak-Moderate dominant foliation&gt;&gt; 2 foliations visible            &lt;&lt;Struc: 200.25 - 200.25 Weak Foliation&gt;&gt; 2nd foliation            &lt;&lt;Struc: 203.9 - 203.9 Weak dominant foliation&gt;&gt;            &lt;&lt;Struc: 206 - 206.34 Weak Fault&gt;&gt; Rock rubble and clay gouge filled fault            &lt;&lt;Struc: 206.67 - 206.84 Trace Fault&gt;&gt; Rock rubble and clay gouge filled fault</p>											
<b>207.38</b>	<b>209.81</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>	<b>dark grey</b>	<b>FG</b>							
207.38 - 209.81: Mudstone with rounded clasts occurring locally.											
<p>&lt;&lt;Struc: 208.48 - 208.58 Weak Fault&gt;&gt; Clay gouge</p>											
<b>209.81</b>	<b>217.02</b>	<b>MAFt Mafic Volcaniclastics</b>	<b>green</b>								
209.81 - 217.02: Fine-medium grained green mafic tuff, with fine-grained disseminated biotite and calcite bands.											
<p>&lt;&lt;Vein: 213.66 - 214.24 60% Quartz-Carbonate&gt;&gt;            &lt;&lt;Struc: 215.33 - 215.75 Weak-Moderate Fault&gt;&gt;</p>											
<b>217.02</b>	<b>228.96</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>	<b>black</b>								
<<Struc: 217.13 - 217.41 Weak-Moderate Fault>> Rock rubble and clay gouge filled fault											
<b>228.96</b>	<b>232.04</b>	<b>MAFt Mafic Volcaniclastics</b>	<b>green</b>	<b>FG</b>							
228.96 - 232.04: calcite banded mafic tuff.											
<<Vein: 231.55 - 232.38 80% Quartz>> PY/PO 1%											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Struc: 230.7 - 230.7 Moderate dominant foliation&gt;&gt;</p> <p><b>232.04 233.96 MDS Carbonaceous Mudstone &amp; black Tuffaceous Mudstone</b></p> <p>232.04 - 233.96: 3-5% PY/PO are present as interstitial clots and also as bands along foliation planes.</p> <p>&lt;&lt;Min: 232.38 - 234.39 3% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 232.38 - 234.39 1% Min: Pyrrhotite&gt;&gt;</p> <p><b>233.96 234.39 MAFt Mafic Volcaniclastics green</b></p> <p><b>234.39 238.20 MDS Carbonaceous Mudstone &amp; black Tuffaceous Mudstone</b></p> <p>&lt;&lt;Min: 234.39 - 238.98 0.1% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 234.39 - 238.98 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 238 - 245 Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Struc: 235.54 - 235.76 Weak Fault&gt;&gt; Rock rubble and clay gouge filled fault</p> <p>&lt;&lt;Struc: 236.62 - 237.22 Moderate Fault&gt;&gt; Rock rubble and clay gouge filled fault</p> <p><b>238.20 238.98 MAFt Mafic Volcaniclastics green</b></p> <p><b>238.98 244.50 MDS Carbonaceous Mudstone &amp; black Tuffaceous Mudstone</b></p> <p>238.98 - 244.5: 5-7% clots and bands of PY, 2-3% clots/blebs of PO, trace CP</p> <p>&lt;&lt;Min: 238.98 - 244.5 1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 238.98 - 244.5 0.1% Min: Chalcopyrite&gt;&gt;</p> <p>&lt;&lt;Min: 238.98 - 247.38 5% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 238.98 - 238.98 Moderate-Strong Contact&gt;&gt;</p> <p>&lt;&lt;Struc: 240 - 244.08 Weak-Moderate Shear&gt;&gt; Shearing and weak faulting; Larger fault structurally below.</p> <p>&lt;&lt;Struc: 244.08 - 248 Moderate-Strong Fault&gt;&gt; Faulted zone with sheared quartz/carbonate vein from 245.72-247.58 m. Rocks proximal, above and below show signs of shearing and minor faulting.</p> <p><b>244.50 248.03 MAFt Mafic Volcaniclastics grey-green</b></p> <p>244.5 - 248.03: Faulted and veined. Py 3-5% disseminated/vein hosted.</p> <p>&lt;&lt;Min: 244.5 - 272 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 247.38 - 256 0.1% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 245 - 267.4 Weak-Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Vein: 245.22 - 247.38 75% Quartz&gt;&gt; 5% PY</p> <p>&lt;&lt;Struc: 248 - 249 Trace Fault&gt;&gt; Localized weak faulting and rubbly rock.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>248.03</b>	<b>249.77</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
248.03 - 249.77: faulted, calcareous MDS											
<b>249.77</b>	<b>253.91</b>	<b>MAFt Mafic Volcaniclastics</b>									
<b>253.91</b>	<b>263.10</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
253.91 - 263.1: 3-5% PY (fracture filling, clots, aggregates)											
<<Min: 256 - 260 3% Min: Pyrite>>											
<<Min: 260 - 265.37 1% Min: Pyrite>>											
<<Vein: 260.68 - 264.06 15% Quartz-Carbonate 80 deg. >>											
<<Struc: 255.6 - 256 Moderate Fault>> Clay gouge and minor rock rubble fault.											
<<Struc: 259.31 - 264.79 Moderate Fault>> Three <30 cm clay gouge filled faults and rock rubble spaced >1m apart											
<b>263.10</b>	<b>264.00</b>	<b>No Core No Core</b>									
263.1 - 264: Faulted interval											
<b>264.00</b>	<b>265.37</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
264 - 265.37: Faulted mudstone.											
<b>265.37</b>	<b>266.87</b>	<b>MAFt Mafic Volcaniclastics</b>									
<<Min: 265.37 - 283.53 0.5% Min: Pyrite>>											
<b>266.87</b>	<b>267.42</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
266.87 - 267.42: Siliceous bedded mudstone.											
<<Alt: 267.4 - 276.15 Trace Calcite>>											
<b>267.42</b>	<b>273.18</b>	<b>CHT Chert</b>									
267.42 - 273.18: Very siliceous, very fine-grained, silica-rich rock; generally non-foliated. Vestiges of thin bedding visible near mudstone contact at top and bottom of interval. Mixing of MDS and CHT visible in over/underlying units MDS units. Can also be considered RHYc											
<<Min: 272 - 276 0.5% Min: Pyrrhotite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>273.18</b>	<b>283.53</b>	<b>MDS Carbonaceous Mudstone &amp; Tuffaceous Mudstone</b>									
<p>273.18 - 283.53: Siliceous bedded mudstone. Base of interval is faulted and cross cut by large qz veins and is pervasively muscovite altered.</p> <p>&lt;&lt;Min: 276 - 290.89 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 279 - 280 0.1% Min: Galena&gt;&gt; Isolated crystals in quartz vein.</p> <p>&lt;&lt;Alt: 276.15 - 290.89 Weak-Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Vein: 276.45 - 276.99 90% Quartz 80 deg. &gt;&gt;</p> <p>&lt;&lt;Vein: 279.16 - 281.3 100% Quartz&gt;&gt; Galena as sulphide</p> <p>&lt;&lt;Struc: 274 - 274 Moderate dominant foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 279 - 279.16 Weak-Moderate Fault&gt;&gt; Gravel and rock rubble with minor clay gouge.</p> <p>&lt;&lt;Struc: 281.3 - 285.33 Weak-Moderate Fault&gt;&gt; Faulted interval; several clay-gravel gouge filled faults &lt;20 cm, spaced &lt;50 cm apart.</p>											
<b>283.53</b>	<b>290.89</b>	<b>RHYvx Quartz and/or feldspar crystal tuff</b>									
<p>283.53 - 290.89: Top of interval is suspected to be the top of the KZK formation. Unit is grey, coarse-grained, poorly sorted QE bearing crystal tuff.</p> <p>&lt;&lt;Min: 283.53 - 433.15 0.1% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 285.59 - 285.59 Weak dominant foliation&gt;&gt;</p>											
<b>290.89</b>	<b>292.45</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
<p>290.89 - 292.45: very fine grained, grey-brown BI/MU banded calcareous pelitic ash.</p> <p>&lt;&lt;Min: 290.89 - 292.45 1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 290.89 - 292.45 Strong Calcite&gt;&gt;</p> <p>&lt;&lt;Vein: 291.35 - 291.42 100% Calcium carbonate/Carbonate 70 deg. &gt;&gt;</p>											
<b>292.45</b>	<b>309.80</b>	<b>RHYvi Lapilli tuff</b>									
<p>292.45 - 309.8: Qz,CL,BI lapilli.</p> <p>&lt;&lt;Min: 292.45 - 354 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 292.45 - 310.04 Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Struc: 293.7 - 293.7 Moderate dominant foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 305.57 - 306.04 Weak-Moderate Fault&gt;&gt; Sand and clay gouge filled fault.</p> <p>&lt;&lt;Struc: 307.06 - 308.06 Moderate Fault&gt;&gt; Sand and clay gouge filled fault.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>309.80</b>	<b>313.25</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
309.8 - 313.25: Green-grey pelite with fine-coarse grained biotite disseminated porphyroblasts.											
<<Alt: 310.04 - 314.74 Moderate-Strong Calcite>>											
<b>313.25</b>	<b>318.69</b>	<b>RHYvl Lapilli tuff</b>									
313.25 - 318.69: Dark grey lapilli tuff with minor fine grained disseminated biotite (locally).											
<<Alt: 314.74 - 364.4 Weak-Moderate Calcite>>											
<<Vein: 314.74 - 315.78 100% Quartz>>											
<<Struc: 315.8 - 316.02 Weak-Moderate Fault>> Pebble, sand and clay gouge filled fault											
<b>318.69</b>	<b>319.30</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
318.69 - 319.3: Pelitic ash with coarse grained carbonate/biotite porphyroblasts.											
<b>319.30</b>	<b>339.05</b>	<b>RHYvl Lapilli tuff</b>									
319.3 - 339.05: Large quartz vein with faulted contacts between 325.47-330.85 m											
<<Vein: 326.45 - 330.85 100% Quartz>> Pyrite as sulphide											
<<Struc: 322.7 - 322.8 Trace Fault>> Rock rubble and minor clay											
<<Struc: 323.48 - 323.78 Weak Fault>> Rock rubble, sand and minor clay gouge											
<<Struc: 325.12 - 325.47 Moderate Fault>> Sand and clay gouge											
<<Struc: 337 - 337 Weak-Moderate dominant foliation>>											
<b>339.05</b>	<b>342.84</b>	<b>RHYva Coarse grained to ash tuff</b>									
339.05 - 342.84: Dominantly RHYva with biotite-rich fine grained pelite locally.											
<<Struc: 341.55 - 342.09 Weak Fault>> Rock rubble and minor clay gouge.											
<b>342.84</b>	<b>350.40</b>	<b>RHYvl Lapilli tuff</b>									
342.84 - 350.4: RHYvl with minor well foliated, carbonaceous mudstone											
<<Struc: 343.74 - 345.63 Weak-Moderate Shear>> Shearing around fault at 345.15-345.25 m											
<<Struc: 345.15 - 345.25 Moderate-Strong Fault>> Clay gouge fault (high intensity over short distance) Proximal rock shows signs of brittle failure and shearing.											
<<Struc: 346.05 - 347.2 Weak Fault>> Four rock rubble faults with minor clay gouge <15 cm wide, spaced <30 cm apart.											
<<Struc: 348.81 - 351.31 Moderate-Strong Fault>> Clay gouge faulting and shearing.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
350.40	354.11	<b>RHYc Rhyolite coherant volcanics light grey</b>									
<p>350.4 - 354.11: Light grey, siliceous, muscovite altered Rhyolite. Upper margin is faulted. Coherent "curdy" textures are present sparsely.</p> <p>&lt;&lt;Min: 354 - 359.5 1% Min: Pyrrhotite&gt;&gt;</p>											
354.11	359.50	<b>RHYvl Lapilli tuff grey</b>									
<p>354.11 - 359.5: Grey ash supported lapilli tuff. Weak-moderate muscovite alteration.</p> <p>&lt;&lt;Alt: 354.11 - 401.79 Weak-Moderate Biotite&gt;&gt; Coarser grain size and higher abundances and more disseminated than patchy in pelitic rocks. Felsic volcanoclastic rocks are more patchy and the biotite grains are generally fine-medium grained.</p> <p>&lt;&lt;Struc: 356.68 - 356.84 Moderate Fault&gt;&gt; Clay gouge fault</p>											
359.50	363.05	<b>PEL Equigranular biotite + calcite grey-green FCG +/- quartz rock</b>									
<p>359.5 - 363.05: BI/CL Pelitic ash with biotite porphyroblasts and pervasive/banded calcite. Grain size decreases towards bottom of interval.</p> <p>&lt;&lt;Min: 359.5 - 367.57 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 359.5 - 363 Trace Chlorite&gt;&gt;</p> <p>&lt;&lt;Vein: 362.4 - 362.9 98% Quartz-Carbonate&gt;&gt;</p> <p>&lt;&lt;Struc: 361.76 - 361.86 Trace Fault&gt;&gt;</p>											
363.05	364.42	<b>RHYvl Lapilli tuff light grey</b>									
<p>363.05 - 364.42: Rhyolite lapilli tuff. Unit is better sorted at base.</p> <p>&lt;&lt;Alt: 364.4 - 367.2 Moderate Calcite&gt;&gt;</p>											
364.42	367.57	<b>PEL Equigranular biotite + calcite grey-green FG +/- quartz rock</b>									
<p>364.42 - 367.57: Chloritic pelitic ash with fine-medium grained biotite porphyroblasts. Grain size coarsens towards top of interval.</p> <p>&lt;&lt;Alt: 364.42 - 367.57 Trace Chlorite&gt;&gt;</p> <p>&lt;&lt;Alt: 367.2 - 413.2 Weak-Moderate Calcite&gt;&gt;</p>											
367.57	383.39	<b>RHYvl Lapilli tuff dark grey</b>									
<p>367.57 - 383.39: Dark grey, rhyolite lapilli tuff with biotite porphyroblasts and trace carbonaceous mudstone forming dark foliation parallel bands.</p> <p>&lt;&lt;Min: 367.57 - 383.39 0.5% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Struc: 372.62 - 372.73 Trace Fault&gt;&gt;</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Struc: 376.2 - 376.2 Moderate dominant foliation&gt;&gt;</p> <p><b>383.39 387.41 PEL Equigranular biotite + calcite grey-green FG +/- quartz rock</b></p> <p>383.39 - 387.41: Grey-green chloritic ash/pelite. Pervasive and banded calcite. Calcite band spacing narrows towards bottom of the interval.</p> <p>&lt;&lt;Min: 383.39 - 407.09 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 383.39 - 387.41 Trace Chlorite&gt;&gt;</p> <p>&lt;&lt;Struc: 384.97 - 384.97 Moderate dominant foliation&gt;&gt;</p> <p><b>387.41 397.80 RHYvi Lapilli tuff grey</b></p> <p>&lt;&lt;Vein: 389.57 - 401.79 15% Calcium carbonate/Carbonate 80 deg. &gt;&gt; Large &gt;30cm Cb/Qz veins, foliation parallel, spaced meters apart.</p> <p>&lt;&lt;Struc: 390.73 - 390.83 Weak Fault&gt;&gt; clay, sand gravel fault</p> <p>&lt;&lt;Struc: 394.23 - 394.49 Weak Fault&gt;&gt; Sand and gravel with minor clay gouge.</p> <p><b>397.80 401.78 PEL Equigranular biotite + calcite green-brown CG +/- quartz rock</b></p> <p>397.8 - 401.78: Biotite-rich chloritic pelite with coarse grained carbonate porphyroblasts. Possible magnetite (high mpp value). Minor felsic ash/muscovite component.</p> <p>&lt;&lt;Struc: 398.02 - 398.02 Moderate dominant foliation&gt;&gt;</p> <p><b>401.78 407.09 RHYvi Lapilli tuff grey FCG</b></p> <p>401.78 - 407.09: Rhyolite lapilli tuff with biotite porphyroblasts. Grain size coarsens towards top of interval where lith is dominantly ash.</p> <p>&lt;&lt;Vein: 404.11 - 404.72 100% Quartz&gt;&gt;</p> <p><b>407.09 413.19 RHYva Coarse grained to ash tuff dark grey FCG</b></p> <p>407.09 - 413.19: Ash supported lapilli tuff with carbonate and biotite porphyroblasts. No noticeable grain-size grading pattern</p> <p>&lt;&lt;Min: 407.09 - 413.2 1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 407.09 - 413.2 Weak-Moderate Biotite&gt;&gt;</p> <p><b>413.19 417.83 PEL Equigranular biotite + calcite dark grey FCG +/- quartz rock</b></p> <p>413.19 - 417.83: Siliceous ash-pelite. Grain size variations from fine to coarse suggest layering. Bi and Cb porphyroblasts are present throughout but more coarse grained at top of interval.</p> <p>&lt;&lt;Min: 413.2 - 442.95 0.1% Min: Pyrrhotite&gt;&gt;</p>											



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Alt: 413.2 - 417.83 Moderate-Strong Calcite&gt;&gt;            &lt;&lt;Alt: 413.2 - 417.83 Moderate-Strong Biotite&gt;&gt;</p> <p><b>417.83 421.88 RHYva Coarse grained to ash tuff FG</b></p> <p>417.83 - 421.88: Fine grained, weakly muscovite altered Rhyolite ash with Bi porphyroblasts.</p> <p>&lt;&lt;Alt: 417.83 - 423 Trace Biotite&gt;&gt;            &lt;&lt;Alt: 417.83 - 433.15 Moderate Calcite&gt;&gt;            &lt;&lt;Alt: 417.83 - 453.61 Weak Muscovite&gt;&gt;            &lt;&lt;Struc: 419.4 - 419.4 Weak dominant foliation&gt;&gt;</p> <p><b>421.88 423.78 PEL Equigranular biotite + calcite grey-brown FG</b>  <b>+/- quartz rock</b></p> <p>421.88 - 423.78: Abundance of ash increases towards bottom of interval.</p> <p><b>423.78 425.16 RHYv Rhyolite volcanoclastic grey-green FCG</b>  <b>425.16 433.15 RHYvi Lapilli tuff dark grey FCG</b></p> <p>425.16 - 433.15: Ash supported lapilli tuff.</p> <p>&lt;&lt;Struc: 428.4 - 430.04 Moderate-Strong Fault&gt;&gt; Clay fault gouge and rock rubble. Proximal coherent rock showing signs of shear.</p> <p><b>433.15 434.62 PEL Equigranular biotite + calcite FCG</b>  <b>+/- quartz rock</b></p> <p>433.15 - 434.62: Grain size coarsens towards top of interval. Bi and Cb porphyroblasts present and stronger at top of interval.</p> <p>&lt;&lt;Min: 433.15 - 442.46 0.5% Min: Pyrite&gt;&gt;            &lt;&lt;Alt: 433.15 - 435.2 Moderate Biotite&gt;&gt;            &lt;&lt;Alt: 433.15 - 440.83 Moderate-Strong Calcite&gt;&gt;</p> <p><b>434.62 436.14 RHYvi Lapilli tuff FCG</b></p> <p>434.62 - 436.14: Ash supported lapilli tuff. Minor fine-grained Bi porphyroblasts.</p> <p>&lt;&lt;Alt: 435.2 - 437 Weak Biotite&gt;&gt;</p> <p><b>436.14 436.66 RHYc Rhyolite coherent volcanics leucocratic</b>  <b>436.66 437.00 RHYvi Lapilli tuff grey FCG</b></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>437.00</b>	<b>440.82</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock grey-brown FCG</b>									
437 - 440.82: Calcite banded siliceous ash pelite with Bi porphyroblasts. Grain-size coarsens towards top of interval											
<<Alt: 437 - 440.83 Moderate Biotite>>											
<b>440.82</b>	<b>442.10</b>	<b>RHYvl Lapilli tuff</b>									
<<Alt: 440.83 - 443.89 Trace Biotite>>											
<<Alt: 440.83 - 483 Weak-Moderate Calcite>>											
<b>442.10</b>	<b>442.46</b>	<b>RHYc Rhyolite coherent volcanics leucocratic</b>									
<b>442.46</b>	<b>443.39</b>	<b>RHYvl Lapilli tuff</b>									
<<Min: 442.46 - 453.61 1% Min: Pyrite>>											
<<Min: 442.95 - 443.39 0.5% Min: Sphalerite>>											
<<Min: 442.95 - 443.39 1% Min: Galena>>											
<<Min: 442.95 - 453.61 3% Min: Pyrrhotite>>											
<<Vein: 442.95 - 452.62 65% Quartz>> Massive veins, dominantly QZ/CB and bearing 1-5% PO locally, up to 1% PY locally, and trace GL/SP. Large portions of the veined interval resemble RHYi in composition and texture. Interval is logged as RHYi in lith table.											
<b>443.39</b>	<b>445.46</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock FCG</b>									
443.39 - 445.46: Interval contains mixed PEL and RHYv (xtal, lpl and ash)											
<<Alt: 443.89 - 445.46 Weak-Moderate Biotite>>											
<b>445.46</b>	<b>449.37</b>	<b>RHYi Aphanitic Rhyolite (intrusion) leucocratic</b>									
<<Min: 445.46 - 453.27 0.1% Min: Sphalerite>>											
<<Min: 445.46 - 453.27 0.1% Min: Galena>>											
<b>449.37</b>	<b>449.83</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock grey-brown FMG</b>									
<<Alt: 449.37 - 449.83 Weak-Moderate Biotite>>											
<b>449.83</b>	<b>450.20</b>	<b>RHYv Rhyolite volcanoclastic</b>									
<<Struc: 450.08 - 450.08 Moderate Foliation>>											
<b>450.20</b>	<b>452.62</b>	<b>RHYi Aphanitic Rhyolite (intrusion) leucocratic</b>									
450.2 - 452.62: Mixed interval of RHYi and massive QZ/CB veins.											
<b>452.62</b>	<b>453.27</b>	<b>RHYv Rhyolite volcanoclastic grey</b>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>453.27</b>	<b>453.61</b>	<b>RHYc Rhyolite coherent volcanics</b> 453.27 - 453.61: Possibly RHYi.									
<b>453.61</b>	<b>463.00</b>	<b>RHYvl Lapilli tuff</b> 453.61 - 463: Lapilli appear sparsely. Unit is pervasively silicified and exhibits weak-moderate muscovite alteration; RHYi nearby?  <<Min: 453.61 - 466.95 5% Min: Pyrite>> <<Min: 453.61 - 476.4 0.5% Min: Pyrrhotite>> <<Alt: 453.61 - 483 Weak-Moderate Muscovite>> <<Alt: 454.4 - 467.4 Weak Biotite>> <<Struc: 459.9 - 459.9 Moderate Foliation>> <<Struc: 461.8 - 461.8 Weak-Moderate Foliation>>									
<b>463.00</b>	<b>466.96</b>	<b>RHYv Rhyolite volcanoclastic</b> 463 - 466.96: Silicified and weak-moderate Mu alteration. Narrow intervals (<30 cm) exhibit coherent rhyolite textures.  <<Min: 466.95 - 470.15 1% Min: Pyrite>>									
<b>466.96</b>	<b>470.15</b>	<b>MDSt Rhyolite tuff dominant mudstone</b> <b>dark grey</b> 466.96 - 470.15: Well foliated, carbonaceous-tuffaceous mudstone.  <<Alt: 467.4 - 470.15 Weak-Moderate Biotite>>									
<b>470.15</b>	<b>474.11</b>	<b>RHYv Rhyolite volcanoclastic</b> <<Min: 470.15 - 482 0.5% Min: Pyrite>> <<Vein: 471.53 - 472.05 100% Quartz>>									
<b>474.11</b>	<b>474.50</b>	<b>MDSt Rhyolite tuff dominant mudstone</b> <b>dark grey</b> 474.11 - 474.5: Well foliated, carbonaceous-tuffaceous mudstone.									
<b>474.50</b>	<b>482.40</b>	<b>RHYv Rhyolite volcanoclastic</b> <b>grey</b> 474.5 - 482.4: Muscovite altered, quartz-eye bearing rhyolite volcanoclastic. Texturally obscured by alteration.  <<Min: 476.4 - 483 3% Min: Pyrrhotite>> <<Min: 482 - 501.03 1% Min: Pyrite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>482.40</b>	<b>488.00</b>	<b>RHYvl Lapilli tuff</b>									
<p>482.4 - 488: Muscovite altered lapilli tuff.</p> <p>&lt;&lt;Min: 483 - 501.03 1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 483 - 484 Moderate Muscovite&gt;&gt;</p> <p>&lt;&lt;Alt: 483 - 559 Weak-Moderate Calcite&gt;&gt;</p> <p>&lt;&lt;Alt: 484 - 488 Moderate-Strong Muscovite&gt;&gt; Localized around fault structure</p> <p>&lt;&lt;Struc: 485.7 - 486.02 Moderate Fault&gt;&gt; Sand and clay gouge filled fault.</p>											
<b>488.00</b>	<b>492.09</b>	<b>RHYv Rhyolite volcaniclastic</b>									
<p>488 - 492.09: Muscovite altered</p> <p>&lt;&lt;Alt: 488 - 500 Weak-Moderate Muscovite&gt;&gt;</p>											
<b>492.09</b>	<b>495.25</b>	<b>RHYv Rhyolite volcaniclastic</b>									
<p>492.09 - 495.25: Muscovite altered</p> <p>&lt;&lt;Alt: 495 - 499 Weak Silicification&gt;&gt;</p>											
<b>495.25</b>	<b>514.61</b>	<b>RHYv Rhyolite volcaniclastic</b>									
<p>495.25 - 514.61: Muscovite altered. Volcaniclastic textures obscured by alteration.</p> <p>&lt;&lt;Min: 501.03 - 514.16 5% Min: Pyrite&gt;&gt; Siliceous, banded aggregates of pyrite. 13 cm wide massive pyrite lens at 510.77-510.9 m</p> <p>&lt;&lt;Min: 501.03 - 537 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 514.16 - 537 2% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 499 - 512 Moderate Silicification&gt;&gt;</p> <p>&lt;&lt;Alt: 500 - 505.3 Moderate Muscovite&gt;&gt;</p> <p>&lt;&lt;Alt: 505.3 - 508 Moderate-Strong Muscovite&gt;&gt;</p> <p>&lt;&lt;Alt: 508 - 517.75 Moderate Muscovite&gt;&gt;</p> <p>&lt;&lt;Alt: 512 - 527 Strong Silicification&gt;&gt;</p> <p>&lt;&lt;Vein: 512.94 - 514.61 95% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 500.62 - 501.03 Weak-Moderate Fault&gt;&gt; Three &lt;5 cm clay gouge filled faults, spaced &lt;10 cm apart.</p> <p>&lt;&lt;Struc: 507.7 - 507.7 Weak-Moderate dominant foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 513 - 513.77 Weak-Moderate Fault&gt;&gt; Faulted quartz vein. Gravel, sand and minor clay gouge filled fault.</p>											
<b>514.61</b>	<b>524.87</b>	<b>RHYv Rhyolite volcaniclastic</b>									
<p>514.61 - 524.87: QE bearing. Muscovite altered. Volcaniclastic textures obscured by alteration.</p> <p>&lt;&lt;Alt: 517.75 - 527 Weak-Moderate Muscovite&gt;&gt;</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Vein: 516.87 - 517.41 90% Quartz&gt;&gt;            &lt;&lt;Vein: 523.26 - 524.87 90% Quartz 75 deg. &gt;&gt;</p> <p><b>524.87 539.77 RHYvi Lapilli tuff cream FCG</b></p> <p>524.87 - 539.77: QE bearing. Muscovite altered. Volcaniclastic textures obscured by alteration. Lapilli appear sparsely.</p> <p>&lt;&lt;Min: 537 - 548.43 1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Min: 537 - 559 0.5% Min: Pyrite&gt;&gt;            &lt;&lt;Alt: 527 - 530.2 Moderate-Strong Muscovite&gt;&gt;            &lt;&lt;Alt: 527 - 548.43 Moderate Silicification&gt;&gt;            &lt;&lt;Alt: 530.2 - 542 Moderate Muscovite&gt;&gt;            &lt;&lt;Struc: 532.94 - 533.4 Weak-Moderate Fault&gt;&gt; Minor clay gouge and weak broken rock.            &lt;&lt;Struc: 534.4 - 538.42 Weak Fault&gt;&gt; Several narrow &lt;10cm faults spaced 10-90 cm apart.</p> <p><b>539.77 548.43 RHYc Rhyolite coherent volcanics cream</b></p> <p>539.77 - 548.43: QE bearing , muscovite altered coherent rhyolite exhibiting curdy/flow textures.</p> <p>&lt;&lt;Alt: 542 - 548.43 Weak-Moderate Muscovite&gt;&gt;            &lt;&lt;Struc: 540.85 - 541.6 Moderate Fault&gt;&gt; Hardened gouge, possibly an old fault, healed or recemented fault.            &lt;&lt;Struc: 545.05 - 545.05 Weak-Moderate dominant foliation&gt;&gt;</p> <p><b>548.43 559.00 RHYvi Lapilli tuff grey-green FCG</b></p> <p>&lt;&lt;Min: 548.43 - 559 1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 548.43 - 559 Weak Silicification&gt;&gt;            &lt;&lt;Alt: 548.43 - 580 Weak Muscovite&gt;&gt;            &lt;&lt;Alt: 548.43 - 589.71 Trace Chlorite&gt;&gt; Localized along fractures and lapilli.            &lt;&lt;Vein: 555.49 - 555.65 100% Quartz&gt;&gt;            &lt;&lt;Struc: 548.8 - 548.8 Moderate dominant foliation&gt;&gt;            &lt;&lt;Struc: 552 - 552.22 Weak-Moderate Fault&gt;&gt; Clay gouge, sand and rock rubble fault            &lt;&lt;Struc: 558.3 - 558.3 Weak-Moderate Foliation&gt;&gt;            &lt;&lt;Struc: 558.35 - 558.35 Weak-Moderate Foliation&gt;&gt;</p> <p><b>559.00 561.00 PEL Equigranular biotite + calcite grey-brown FG            +/- quartz rock</b></p> <p>&lt;&lt;Min: 559 - 561 5% Min: Pyrite&gt;&gt;            &lt;&lt;Min: 559 - 561 2% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Min: 559 - 561 0.1% Min: Galena&gt;&gt;            &lt;&lt;Alt: 559 - 561 Strong Calcite&gt;&gt;</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Vein: 559.76 - 559.96 100% Quartz 20 deg. >> <<Struc: 559.21 - 559.21 Weak-Moderate Foliation>> <<Struc: 559.36 - 559.36 Moderate Foliation>>											
<b>561.00</b>	<b>565.21</b>	<b>RHYvl Lapilli tuff</b>	<b>grey-green</b>	<b>FCG</b>							
<<Min: 561 - 565.21 1% Min: Pyrite>> <<Min: 561 - 569.33 3% Min: Pyrrhotite>> <<Alt: 561 - 565.21 Weak-Moderate Calcite>>											
<b>565.21</b>	<b>569.33</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>	<b>grey-brown</b>	<b>FG</b>							
565.21 - 569.33: Siliceous, carbonate/biotite rich pelitic ash. <<Min: 565.21 - 569.33 5% Min: Pyrite>> <<Alt: 565.21 - 569.33 Strong Calcite>> <<Struc: 566.47 - 566.56 Weak Fault>> clay gouge											
<b>569.33</b>	<b>569.62</b>	<b>RHYc Rhyolite coherant volcanics cream</b>									
569.33 - 569.62: Aphanitic, siliceous, foliated cream colored rock. RHYc or RHYi is undifferentiated. <<Min: 569.33 - 583.43 1% Min: Pyrite>> <<Min: 569.33 - 583.43 0.5% Min: Pyrrhotite>> <<Alt: 569.33 - 583.43 Weak-Moderate Calcite>>											
<b>569.62</b>	<b>583.42</b>	<b>RHYvl Lapilli tuff</b>	<b>grey-brown</b>	<b>FCG</b>							
<<Struc: 579.94 - 582.4 Moderate Fault>> Clay gouge, gravel and rock fill fault with fractured proximal rock											
<b>583.42</b>	<b>585.84</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>	<b>grey-brown</b>	<b>FCG</b>							
583.42 - 585.84: Siliceous, carbonate/biotite rich pelitic ash. <<Min: 583.43 - 585.43 2% Min: Pyrrhotite>> <<Min: 583.43 - 585.84 5% Min: Pyrite>> <<Min: 585.43 - 608 0.5% Min: Pyrite>> <<Min: 585.43 - 620.96 0.5% Min: Pyrrhotite>> <<Alt: 583.43 - 585.84 Moderate-Strong Calcite>>											
<b>585.84</b>	<b>589.71</b>	<b>RHYv Rhyolite volcanoclastic</b>	<b>grey</b>								
<<Alt: 585.84 - 620.96 Weak-Moderate Calcite>> <<Vein: 586.2 - 586.51 40% Quartz 0 deg. >>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>589.71</b>	<b>606.77</b>	<b>RHYv Rhyolite volcanoclastic</b>									
<p>589.71 - 606.77: Siliceous, grey, muscovite altered rhyolite volcanoclastic with sparse quartz eyes and ash supported lapilli.</p> <p>&lt;&lt;Struc: 591.74 - 592.2 Moderate Fault&gt;&gt; Clay gouge, pebble and gravel filled fault</p> <p>&lt;&lt;Struc: 592.7 - 592.7 Moderate dominant foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 601.59 - 601.93 Moderate-Strong Fault&gt;&gt; Clay gouge fault with shattered/fractured proximal rock.</p>											
<b>606.77</b>	<b>620.96</b>	<b>RHYvl Lapilli tuff</b>									
<p>&lt;&lt;Min: 608 - 620.96 1% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 606.77 - 620.96 Weak Muscovite&gt;&gt;</p> <p>&lt;&lt;Alt: 620.95 - 630 Moderate Muscovite&gt;&gt;</p> <p>&lt;&lt;Vein: 617.81 - 617.93 100% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 608.76 - 608.94 Moderate-Strong Fault&gt;&gt; Indurated (hardened and cemented) clay gouge and pebble filled fault. Possibly old fault.</p> <p>&lt;&lt;Struc: 613.56 - 613.6 Weak Fault&gt;&gt; Clay gouge.</p> <p>&lt;&lt;Struc: 614.7 - 614.78 Trace Fault&gt;&gt;</p>											
<b>620.96</b>	<b>624.65</b>	<b>PEL Equigranular biotite + calcite</b>									
<p><b>grey-brown FCG</b></p> <p><b>+/- quartz rock</b></p> <p>&lt;&lt;Min: 620.96 - 624.65 2% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 620.96 - 624.65 1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 620.96 - 624.65 Moderate-Strong Calcite&gt;&gt;</p> <p>&lt;&lt;Vein: 621.34 - 621.51 100% Quartz&gt;&gt; Massive euhedral tourmaline. PO as sulphide.</p>											
<b>624.65</b>	<b>634.98</b>	<b>RHYvl Lapilli tuff</b>									
<p><b>leucocratic FCG</b></p> <p>&lt;&lt;Min: 624.65 - 634.98 2% Min: Pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 624.65 - 634.98 0.5% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 624.65 - 634.98 Weak Calcite&gt;&gt;</p> <p>&lt;&lt;Alt: 630 - 669.91 Weak Muscovite&gt;&gt;</p> <p>&lt;&lt;Struc: 627.8 - 628.22 Trace Fault&gt;&gt; Three faults &lt;5cm wide, spaced &lt;20 cm apart.</p> <p>&lt;&lt;Struc: 628.5 - 628.79 Moderate Fault&gt;&gt; Clay gouge, gravel and sand filled fault.</p> <p>&lt;&lt;Struc: 633.5 - 633.57 Weak Fault&gt;&gt; Clay gouge and gravel fault</p> <p>&lt;&lt;Struc: 633.62 - 633.83 Weak Fault&gt;&gt; Clay gouge</p>											
<b>634.98</b>	<b>642.01</b>	<b>RHYvl Lapilli tuff</b>									
<p><b>grey-brown FCG</b></p> <p>634.98 - 642.01: Biotite, carbonate, pyrite and trace chlorite ash-supported lapilli tuff with weak-moderate muscovite alteration.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Min: 634.98 - 642.01 1% Min: Pyrite&gt;&gt;            &lt;&lt;Min: 634.98 - 642.01 0.1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 634.98 - 642.01 Weak-Moderate Calcite&gt;&gt;            &lt;&lt;Alt: 634.98 - 669.91 Trace Chlorite&gt;&gt;            &lt;&lt;Struc: 639.2 - 639.25 Weak Fault&gt;&gt;</p>											
<b>642.01</b>	<b>643.47</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
<p>&lt;&lt;Min: 642.01 - 643.47 0.1% Min: Pyrite&gt;&gt;            &lt;&lt;Min: 642.01 - 643.47 1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 642.01 - 643.47 Strong Calcite&gt;&gt;</p>											
<b>643.47</b>	<b>649.60</b>	<b>RHYvl Lapilli tuff</b>									
<p>&lt;&lt;Min: 643.47 - 656.57 1% Min: Pyrite&gt;&gt;            &lt;&lt;Min: 643.47 - 669.91 2% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 643.47 - 656.57 Weak Calcite&gt;&gt;            &lt;&lt;Struc: 643.89 - 643.93 Trace Fault&gt;&gt;</p>											
<b>649.60</b>	<b>656.57</b>	<b>RHYv Rhyolite volcanoclastic</b>									
<p>&lt;&lt;Struc: 650.88 - 651.12 Weak-Moderate Fault&gt;&gt; Clay gouge fault with proximal rock rubble.            &lt;&lt;Struc: 655.29 - 655.4 Weak-Moderate Fault&gt;&gt; Clay gouge and sand fault</p>											
<b>656.57</b>	<b>669.91</b>	<b>RHYvl Lapilli tuff</b>									
<p>&lt;&lt;Min: 656.57 - 669.91 0.5% Min: Pyrite&gt;&gt;            &lt;&lt;Alt: 656.57 - 669.91 Weak-Moderate Calcite&gt;&gt;            &lt;&lt;Struc: 666.18 - 666.43 Weak-Moderate Fault&gt;&gt;            &lt;&lt;Struc: 669.75 - 669.91 Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault.</p>											
<b>669.91</b>	<b>674.68</b>	<b>MDSc Carbonaceous dominant mudstone</b>									
<p>669.91 - 674.68: Black carbonaceous mudstone with siliceous/carbonate bands.</p>											
<p>&lt;&lt;Min: 669.91 - 689.07 1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Min: 669.91 - 749.9 0.1% Min: Pyrite&gt;&gt;            &lt;&lt;Alt: 669.91 - 706.01 Trace Calcite&gt;&gt;            &lt;&lt;Alt: 669.91 - 712 Weak Silicification&gt;&gt; Silicification of mudstone unit, proximal to fault at 686m.            &lt;&lt;Struc: 672.8 - 681.45 Weak Fault&gt;&gt; Several low-intensity rock rubble faults &lt;20cm wide, spaced 0.5-2 m apart.</p>											



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<b>674.68</b>	<b>689.07</b>	<b>MDSt Rhyolite tuff dominant mudstone</b>									
<p>674.68 - 689.07: Dark grey-grey/green tuffaceous mudstone. Blue-green alteration found in narrow bands 3-10 cm wide with sharp contacts.</p> <p>&lt;&lt;Alt: 678 - 712 Trace Chlorite&gt;&gt;</p> <p>&lt;&lt;Struc: 681.54 - 681.89 Moderate Fault&gt;&gt; Clay gouge, sand and rock rubble fault.</p> <p>&lt;&lt;Struc: 683.6 - 686.1 Moderate Fault&gt;&gt; Sand, rock rubble and minor clay gouge, faulted interval. Approximately 1 m of wash away.</p> <p>&lt;&lt;Struc: 686.95 - 687.11 Weak-Moderate Fault&gt;&gt; Clay gouge and gravel filled fault. Rock in proximity shows signs of shear.</p> <p>&lt;&lt;Struc: 688.5 - 688.84 Moderate Fault&gt;&gt; Clay and sand filled fault. Approximately 10-15 cm wash away.</p>											
<b>689.07</b>	<b>703.45</b>	<b>RHYv Rhyolite volcanoclastic mudstone</b>									
<p>689.07 - 703.45: Siliceous, quartz eye bearing felsic volcanic rock. Localized faulting, silicification and muscovite alteration obscures primary rock textures.</p> <p>&lt;&lt;Min: 689.07 - 706.01 0.1% Min: Pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 689.07 - 752 Trace Muscovite&gt;&gt;</p> <p>&lt;&lt;Struc: 691.5 - 691.7 Weak-Moderate Fault&gt;&gt; Clay gouge and gravel filled fault.</p> <p>&lt;&lt;Struc: 696.87 - 697.26 Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault.</p> <p>&lt;&lt;Struc: 697.98 - 697.98 Moderate dominant foliation&gt;&gt;</p> <p>&lt;&lt;Struc: 700.08 - 707.29 Weak-Moderate Fault&gt;&gt; Shatter-brecciated interval with minor clay gouge filled faulting. Rock is strongly silicified, brittle and locally sheared.</p>											
<b>703.45</b>	<b>704.79</b>	<b>MDSt Rhyolite tuff dominant mudstone</b>									
<p>703.45 - 704.79: Silicified biotite banded mudstone. Rock exhibits narrow alternating bands of biotite +/- carbonaceous mud and quartz.</p>											
<b>704.79</b>	<b>706.01</b>	<b>RHYvx Quartz and/or feldspar crystal tuff</b>									
<p>704.79 - 706.01: Silicified quartz-eye bearing rhyolite. Fine-grained biotite porphyroblasts present locally.</p> <p>&lt;&lt;Struc: 704.97 - 704.97 Moderate dominant foliation&gt;&gt;</p>											
<b>706.01</b>	<b>707.29</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
<p>706.01 - 707.29: Silicified biotite/chlorite - ash pelite. Strongly altered proximal to fault zone starting at base of unit.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Min: 706.01 - 707.29 1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 706.01 - 707.29 Weak-Moderate Calcite&gt;&gt;</p> <p><b>707.29 715.28 FLZ Fault Zone light grey FCG</b></p> <p>707.29 - 715.28: Shatter brecciated, faulted and sheared zone. Lith appears felsic and silica/musc. Altered.</p> <p>&lt;&lt;Min: 707.29 - 758.55 0.1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 707.29 - 794.8 Trace Calcite&gt;&gt;            &lt;&lt;Struc: 707.29 - 714.8 Strong Fault&gt;&gt; Shatter-brecciated interval with moderate to strong fault brecciation, clay-sand gouge and shearing in any interstitial semi-coherent rock</p> <p><b>715.28 749.90 RHYv Rhyolite volcanoclastic grey-green FCG</b></p> <p>715.28 - 749.9: Grey-green, siliceous, volcanoclastic with sparse quartz eyes. Interval is pervasively faulted, brecciated and or sheared; interpreted as fault damage zone.</p> <p>&lt;&lt;Alt: 715.28 - 752 Trace Silicification&gt;&gt;            &lt;&lt;Vein: 734 - 744.41 10% Quartz&gt;&gt;            &lt;&lt;Struc: 715.28 - 715.8 Weak-Moderate Shear&gt;&gt;            &lt;&lt;Struc: 717.49 - 717.89 Moderate Fault&gt;&gt; Clay gouge filled fault.            &lt;&lt;Struc: 720 - 720.6 Moderate-Strong Fault&gt;&gt; Clay gouge, sand and pebble filled fault            &lt;&lt;Struc: 728.32 - 729.02 Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault            &lt;&lt;Struc: 729.89 - 729.97 Weak-Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault            &lt;&lt;Struc: 731.31 - 732 Moderate-Strong Fault&gt;&gt; Clay gouge, sand and pebble filled fault            &lt;&lt;Struc: 732.2 - 732.28 Weak-Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault            &lt;&lt;Struc: 732.28 - 733.77 Moderate Shear&gt;&gt;            &lt;&lt;Struc: 733.77 - 734.53 Moderate Fault&gt;&gt; Clay gouge, sand, gravel and pebble filled fault            &lt;&lt;Struc: 736.8 - 737.28 Moderate Fault&gt;&gt; Clay gouge, sand, gravel and pebble filled fault            &lt;&lt;Struc: 743.48 - 743.48 Moderate dominant foliation&gt;&gt;            &lt;&lt;Struc: 746.09 - 746.19 Weak-Moderate Fault&gt;&gt; Clay gouge, sand and pebble filled fault</p> <p><b>749.90 758.55 RHYvx Quartz and/or feldspar crystal grey-brown tuff FCG</b></p> <p>749.9 - 758.55: Quartz eye bearing rhyolite ash tuff.</p> <p>&lt;&lt;Min: 749.9 - 776.78 0.1% Min: Chalcopyrite&gt;&gt;            &lt;&lt;Alt: 757.28 - 757.49 Weak Chlorite&gt;&gt;            &lt;&lt;Vein: 758.45 - 770.16 5% Quartz&gt;&gt;            &lt;&lt;Struc: 752.45 - 753.15 Weak-Moderate Fault&gt;&gt; Several faults 5-40cm wide spaced &lt;30 cm apart. Clay gouge, sand and pebble filled fault</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p>&lt;&lt;Struc: 756.6 - 756.63 Trace Fault&gt;&gt;            &lt;&lt;Struc: 756.67 - 756.67 Moderate dominant foliation&gt;&gt;</p>											
<b>758.55</b>	<b>767.91</b>	<b>MDSSt Rhyolite tuff dominant mudstone</b>									
<p>758.55 - 767.91: Dark grey to black, well foliated, calcite/quartz banded tuffaceous mudstone.</p>											
<p>&lt;&lt;Min: 758.55 - 776.78 0.5% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 766.1 - 766.37 Weak Chlorite&gt;&gt;            &lt;&lt;Struc: 767.8 - 767.91 Weak-Moderate Fault&gt;&gt; Clay gouge fille fault</p>											
<b>767.91</b>	<b>776.58</b>	<b>RHYvx Quartz and/or feldspar crystal tuff</b>									
<p>767.91 - 776.58: Grey-green, quartz-eye bearing, fine-medium grained, siliceous ash tuff.</p>											
<p>&lt;&lt;Struc: 768.28 - 768.38 Weak Fault&gt;&gt;</p>											
<b>776.58</b>	<b>796.00</b>	<b>RHYva Coarse grained to ash tuff</b>									
<p>776.58 - 796: Grey-green ash-tuff with sparse siliceous lapilli. Unit has a mixed trace component of very-fine grained chlorite.</p>											
<p>&lt;&lt;Min: 776.78 - 799.34 0.1% Min: Pyrrhotite&gt;&gt;            &lt;&lt;Alt: 776.84 - 796 Trace Chlorite&gt;&gt;            &lt;&lt;Alt: 794.8 - 798.05 Weak-Moderate Calcite&gt;&gt;            &lt;&lt;Struc: 776.67 - 776.77 Weak-Moderate Fault&gt;&gt; Clay gouge fille fault            &lt;&lt;Struc: 776.95 - 776.95 Moderate dominant foliation&gt;&gt;            &lt;&lt;Struc: 785.79 - 785.83 Trace Fault&gt;&gt;            &lt;&lt;Struc: 788.7 - 788.87 Weak-Moderate Fault&gt;&gt; Clay gouge fille fault</p>											
<b>796.00</b>	<b>798.05</b>	<b>MDSSt Rhyolite tuff dominant mudstone</b>									
<p>796 - 798.05: Black to dark grey, well foliated, calcite/quartz banded, carbonaceous/tuffaceous mudstone.</p>											
<p>&lt;&lt;Min: 796 - 799.34 0.1% Min: Chalcopyrite&gt;&gt;            &lt;&lt;Struc: 796.45 - 796.65 Weak-Moderate Fault&gt;&gt; Clay gouge and sand fille fault</p>											
<b>798.05</b>	<b>801.25</b>	<b>SED undifferentiated Sediment</b>									
<p>798.05 - 801.25: matrix supported conglomerate with chloritic pelite groundmass and tuffaceous clasts ranging from 1-4 cm across. Interval is graded coarse to fine from top to bottom.</p>											
<p>&lt;&lt;Min: 799.34 - 799.8 5% Min: Pyrrhotite&gt;&gt;</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 799.34 - 799.8 0.5% Min: Chalcopryite>> <<Min: 799.8 - 801.25 0.1% Min: Chalcopryite>> <<Min: 799.8 - 810 0.5% Min: Pyrrhotite>> <<Alt: 798.05 - 801.25 Moderate Calcite>>											
<b>801.25</b>	<b>805.31</b>	<b>RHYvx Quartz and/or feldspar crystal tuff</b>									
801.25 - 805.31: Quartz eye bearing crystal tuff											
<<Alt: 801.25 - 805.31 Weak Calcite>> <<Struc: 803.9 - 803.9 Weak-Moderate Foliation>>											
<b>805.31</b>	<b>805.68</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
805.31 - 805.68: Green, chloritic pelite with medium-coarse grained biotite porphyroblasts.											
<<Alt: 805.31 - 805.68 Weak-Moderate Chlorite>> <<Alt: 805.31 - 805.68 Moderate-Strong Calcite>> <<Alt: 805.31 - 805.68 Moderate Biotite>>											
<b>805.68</b>	<b>807.98</b>	<b>RHYvx Quartz and/or feldspar crystal tuff</b>									
805.68 - 807.98: Quartz eye bearing crystal tuff											
<<Alt: 805.68 - 807.98 Weak Calcite>> <<Struc: 806.97 - 806.97 Weak-Moderate Foliation>>											
<b>807.98</b>	<b>810.00</b>	<b>PEL Equigranular biotite + calcite +/- quartz rock</b>									
807.98 - 810: Green, chloritic pelite with medium-coarse grained biotite porphyroblasts. EOH											
<<Alt: 807.98 - 810 Moderate Chlorite>> <<Alt: 807.98 - 810 Moderate-Strong Calcite>> <<Alt: 807.98 - 810 Weak-Moderate Biotite>>											
<b>End of Hole @ 810</b>											