EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-340

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Roger Hulstein
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	5/12/2016
UTM Easting	414973.9852	Core Size:	HQ3	Azimuth:	31.38	Date Logging Complete:	5/18/2016
UTM Northing:	6814927.3398	Casing Pulled?:	Yes	Dip:	-45	Drill Company:	Hytech
UTM Elev. (m):	1389.268	Casing Depth (m):	40.5	Length (m):	353	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	5/10/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	5/16/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Metallurgical
						Parent Hole:	

Comments:

DDH finished 8 am May 16. Drill hole was largely successful in drilling downdip to collect metallurgical samples from the Krakatoa Main Lens, Mineral (sulfide) banding - foliations in the sulfides were at low angles or parallel to the core axis. Of note was a sequence of RHYi with lesser RHY (164.36 - 232.33 m) between the upper and lower lens. The Upper sulfide lens was intersected from 137.48-164.36 m (26.88 m) and the lower lens from 232.33 - 275.11 m (42.78 m) including 7.01 m of barren MAFi.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	29.98	1.4	31.38	APS	Chris Hughes	5/10/2016		☑	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
45	-46.1	8.9	22.1	31	ReflexEZS	Hytech	5/11/2016	58.96	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
69	-47.4	17.1	22.1	39.2	ReflexEZS	Hytech	5/11/2016	5775	☐	Bad reading & redone
69.2	-47.6	8.5	22.1	30.6	ReflexEZS	Hytech	5/11/2016	5802	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
93	-47.8	7.6	22.1	29.7	ReflexEZS	Hytech	5/11/2016	5782	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
117	-49	6.5	22.1	28.6	ReflexEZS	Hytech	5/12/2016	5792	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
141	-49.1	5.9	22.1	28	ReflexEZS	Hytech	5/12/2016	5777	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
165	-49.2	8.2	22.1	30.3	ReflexEZS	Hytech	5/12/2016	5777	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
189	-50	23.1	22.1	45.2	ReflexEZS	Hytech	5/13/2016	2760	☐	Bad reading
191.5	-50	7.8	22.1	29.9	ReflexEZS	Hytech	5/16/2016	5765	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
213	-50.4	6.9	22.1	29	ReflexEZS	Hytech	5/13/2016	5755	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
240	-51.1	4	22.1	26.1	ReflexEZS	Hytech	5/14/2016	5763	☐	240m is in sulfide intersection
264	-51.7	347.8	22.1	9.9	ReflexEZS	Hytech	5/14/2016	5998	☐	In sulfide intersection

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
270	-51.6	345.3	22.1	7.4	ReflexEZS	Hytech	5/14/2016	5334	☐	In sulfide intersection
288	-51.9	7.3	22.1	29.4	ReflexEZS	Hytech	5/14/2016	5833	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
312	-53	5.2	22.1	27.3	ReflexEZS	Hytech	5/15/2016	5799	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
336	-54.3	3	22.1	25.1	ReflexEZS	Hytech	5/15/2016	5804	☑	Check po content. Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
353	-54.4	4	22.1	26.1	ReflexEZS	Hytech	5/16/2016	5786	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.

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

0.00 39.20 OVBN Overburden

0 - 39.2: Felsic igeous boulder of various types intersected from 30.0 m to 39.2 m.

39.20 39.28 OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite MG

39.2 - 39.28: 8cm piece of OB type mineralization, could be either in situ or a boulder. No contact or alteration noted in underlying MAFi that implies a relationship with OB. Piece too small to sample.

<<Min: 39.2 - 39.28 5% Min: Sphalerite>>

<<Min: 39.2 - 39.28 60% Min: Pyrite>>

<<Alt: 39.2 - 42.3 Weak-Moderate Calcite>>

<<Alt: 39.2 - 60.3 Moderate-Strong Chlorite>>

<<Alt: 39.2 - 61.5 Moderate Biotite>>

39.28 67.29 MAFi Mafic Intrusions (primarily footwall mafic intrusion) green

<<Min: 39.28 - 67.29 0.01% Min: Pyrite>>

<<Alt: 42.3 - 45.9 Trace Calcite>>

<<Alt: 45.9 - 63 Weak Calcite>>

<<Alt: 61.5 - 67.29 Weak-Moderate Chlorite>> ffiner grained and decreasing towards 67.29m.

<<Alt: 61.5 - 67.29 Moderate Biotite>> finer grained

<<Alt: 63 - 77 Weak-Moderate Calcite>>

<<Vein: 42.12 - 42.25 100% Quartz-Tourmaline 70 deg. >>

<<Vein: 46.45 - 46.69 25% Quartz-Tourmaline 70 deg. >>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Vein: 47.4 - 50.17 5% Calcite 10 deg. >> filling fault - fracture											
<<Vein: 61.9 - 61.95 100% Quartz-Carbonate 42 deg. >>											
<<Vein: 64.79 - 64.88 100% Quartz-Carbonate 60 deg. >>											
<<Struc: 40.7 - 45 Moderate-Strong dominant foliation>>											
<<Struc: 48.43 - 48.96 Moderate-Strong Vein>>											
<<Struc: 50 - 54 Moderate-Strong dominant foliation>>											
<<Struc: 50.5 - 56 Moderate-Strong dominant foliation>>											
<<Struc: 56.3 - 56.5 Weak Fault>> broken core											
<<Struc: 56.4 - 57.65 Moderate dominant foliation>> fold or bad ori mark											
<<Struc: 62.35 - 63 Moderate dominant foliation>> fold or bad ori mark											
<<Struc: 67.2 - 67.3 Strong Contact>> parallel to foliation											
67.29	**69.40**	**RHY** **undifferentiated rhyolite** **grey-green**									
67.29 - 69.4: Banded rhyolite, likely a sill…											
<<Min: 67.29 - 69.4 0.5% Min: Pyrite>>											
<<Alt: 67.29 - 69.4 Weak Muscovite>>											
<<Struc: 67.29 - 69.4 Moderate-Strong dominant foliation>>											
69.40	**93.49**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)** **green**	89.00	90.50	1.50	B00291175	-0.005	-0.3	-0.01	-0.01	0.01
<<Min: 69.4 - 93.49 0.01% Min: Pyrite>>			90.50	92.00	1.50	B00291176	-0.005	-0.3	-0.01	-0.01	0.01
<<Alt: 69.4 - 74 Moderate-Strong Biotite>>			92.00	93.49	1.49	B00291177	-0.005	-0.3	0.02	-0.01	0.05
<<Alt: 69.4 - 90 Moderate-Strong Chlorite>>											
<<Alt: 74 - 93.49 Moderate Biotite>>											
<<Alt: 77 - 89 Weak Calcite>>											
<<Alt: 89 - 93.49 Moderate Calcite>>											
<<Alt: 90 - 93.4 Moderate Chlorite>> increases at exense of overprint chlorite towards lower contact.											
<<Struc: 69.4 - 72 Moderate dominant foliation>>											
<<Struc: 80 - 82 Moderate dominant foliation>>											
<<Struc: 84 - 85.6 Moderate dominant foliation>>											
<<Struc: 84.4 - 95.55 Moderate-Strong dominant foliation>>											
<<Struc: 88.4 - 91.5 Moderate dominant foliation>>											
<<Struc: 92 - 93 Moderate dominant foliation>>											
<<Struc: 93 - 93.49 Moderate dominant foliation>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
93.49	**94.63**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock** **FCG**	93.49	94.63	1.14	B00291178	2.1	45.4	0.78	0.2	2.14
93.49 - 94.63: Weak OJ, chlorite-mineralization not strong. Includes 0.54 m qtz vein and strong biotite alteration and 0.25m rhyolite.											
<<Min: 93.49 - 94.6 1% Min: Chalcopyrite>>											
<<Min: 93.49 - 94.63 3% Min: Sphalerite>>											
<<Min: 93.49 - 94.63 5% Min: Pyrite>> cpy in qtz vein, py in qtz vein, diss and in thin diss bands. Sphalerite with py in this bands.											
<<Min: 93.49 - 94.63 0.1% Min: Galena>>											
<<Alt: 93.49 - 112.93 Weak Calcite>>											
<<Vein: 93.49 - 94 50% Quartz-Sulphide 33 deg. >> Blebs of cpy, 5%											
<<Struc: 93.7 - 94.9 Strong Vein>> upper vein contct											
<<Struc: 93.9 - 94.1 Strong Vein>> lower vein contact											
<<Struc: 94.1 - 94.8 Moderate-Strong dominant foliation>>											
94.63	**112.93**	**RHYcw** **Curdy textured-flow banded (flows, subvolcanics)** **light grey**	94.63	95.53	0.90	B00291179	-0.005	0.9	-0.01	-0.01	0.01
<<Min: 94.63 - 95.53 3% Min: Pyrite>>			95.53	96.00	0.47	B00291181	0.405	128	0.14	1.28	3.17
<<Min: 95.53 - 95.89 5% Min: Sphalerite>>			96.00	97.80	1.80	B00291182	0.015	5.8	-0.01	0.07	0.11
<<Min: 95.53 - 95.89 25% Min: Pyrite>> 10cm wide- thick sulfide band at 15 deg to core axis			97.80	99.20	1.40	B00291183	-0.005	-0.3	-0.01	-0.01	-0.01
<<Min: 95.53 - 95.89 1% Min: Galena>>											
<<Min: 95.89 - 112.93 0.1% Min: Sphalerite>>											
<<Min: 95.89 - 112.93 3% Min: Pyrite>>											
<<Min: 95.89 - 112.93 0.01% Min: Galena>>											
<<Min: 95.89 - 112.93 0.01% Min: Arsenopyrite>>											
<<Alt: 94.63 - 112.5 Strong Muscovite>>											
<<Vein: 112.83 - 112.93 50% Quartz-Sulphide 30 deg. >> Similar to vein at 93.49-94.4. minor diss cpy.											
<<Struc: 95.55 - 96 Moderate-Strong dominant foliation>> banded diss sulfides											
<<Struc: 96 - 100.32 Moderate-Strong dominant foliation>>											
<<Struc: 97.2 - 97.8 Weak Fault>> broken core											
<<Struc: 100.32 - 102 Moderate Shear>>											
<<Struc: 102 - 107 Moderate-Strong dominant foliation>> Ori mark on wrong side of core? Or fold?											
<<Struc: 107 - 111 Moderate-Strong dominant foliation>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Struc: 109.5 - 111 Moderate Fault>> broken core and missing core									
		<<Struc: 112.1 - 112.5 Moderate-Strong Fault>> broken core and missing core									
		<<Struc: 112.75 - 113.56 Moderate-Strong Fault>> broken core and missing core									
112.93	**127.14**	**MAFi** **Mafic Intrusions (primarily green footwall mafic intrusion)**	117.00	118.00	1.00	B00291184	-0.005	0.7	-0.01	-0.01	0.03
		112.93 - 127.14: upper contact is sharp in broken core. Lower contact is bleached and finer grained below 125.4m									
		<<Min: 112.93 - 125.67 0.1% Min: Pyrite>>	118.00	119.00	1.00	B00291185	0.007	0.5	-0.01	-0.01	0.03
		<<Min: 112.93 - 127.14 5% Min: Pyrite>> transitional to sulfides	119.00	120.00	1.00	B00291186	0.008	0.8	-0.01	-0.01	0.03
		<<Min: 125.67 - 127.14 0.5% Min: Sphalerite>> clasts of OB in shear	120.00	121.00	1.00	B00291187	-0.005	0.4	-0.01	-0.01	0.03
		<<Min: 125.67 - 127.14 5% Min: Pyrite>> clasts of OB in shear	121.00	122.00	1.00	B00291188	-0.005	0.5	-0.01	-0.01	0.03
		<<Alt: 112.93 - 123 Moderate Calcite>>	122.00	123.00	1.00	B00291189	-0.005	0.5	-0.01	-0.01	0.02
		<<Alt: 112.93 - 125.5 Moderate-Strong Chlorite>>	123.00	124.00	1.00	B00291191	0.009	1.3	-0.01	0.02	0.03
		<<Alt: 112.93 - 125.5 Moderate Biotite>>	124.00	125.00	1.00	B00291192	0.008	0.5	-0.01	-0.01	0.03
		<<Alt: 123 - 127.14 Moderate-Strong Calcite>>	125.00	126.00	1.00	B00291193	0.009	1.2	-0.01	0.02	0.03
		<<Alt: 125.5 - 127.14 Moderate Muscovite>> green sericite	126.00	127.14	1.14	B00291194	0.104	31.3	0.05	0.5	1.22
		<<Struc: 114 - 119 Moderate-Strong dominant foliation>>									
		<<Struc: 121.5 - 123 Moderate-Strong dominant foliation>>									
		<<Struc: 123 - 125 Moderate-Strong dominant foliation>>									
		<<Struc: 125.4 - 127.3 Moderate Shear>> shear plane on contact									
		<<Struc: 125.4 - 127.3 Strong Contact>>									
		<<Struc: 125.9 - 126 Weak Fault>> broken core									
127.14	**134.16**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite** **FG**	127.14	128.00	0.86	B00291195	1.27	264	0.48	3.55	6.87
		<<Min: 127.14 - 127.83 5% Min: Chalcopyrite>>	128.00	129.00	1.00	B00291196	1.71	287	0.04	4.46	6.32
		<<Min: 127.14 - 130.3 10% Min: Sphalerite>>	129.00	130.00	1.00	B00291197	1.86	337	0.13	4.46	6.94
		<<Min: 127.14 - 130.3 50% Min: Pyrite>> and semi massive	130.00	131.00	1.00	B00291198	2.53	370	0.2	4.36	5.78
		<<Min: 127.14 - 130.3 5% Min: Galena>>	131.00	132.00	1.00	B00291199	2.5	234	0.13	3.72	5.35
		<<Min: 127.14 - 130.3 3% Min: Barite>>	132.00	133.00	1.00	B00291202	2.17	328	0.15	4.56	6.05
		<<Min: 130.3 - 132 5% Min: Sphalerite>>	133.00	134.16	1.16	B00291203	2.33	393	0.29	5.02	7.74
		<<Min: 130.3 - 132 40% Min: Pyrite>>									
		<<Min: 130.3 - 132 5% Min: Galena>>									
		<<Min: 130.3 - 132 15% Min: Barite>> with silic in bands									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 132 - 134.16 5% Min: Sphalerite>>											
<<Min: 132 - 134.16 55% Min: Pyrite>>											
<<Min: 132 - 134.16 3% Min: Galena>>											
<<Min: 132 - 134.16 3% Min: Chalcopyrite>>											
<<Min: 132 - 134.16 5% Min: Barite>> barite and silica											
<<Alt: 127.14 - 127.8 Weak-Moderate Calcite>>											
<<Alt: 127.8 - 134.16 Trace Calcite>> filling open spave and fractures											
<<Struc: 127.3 - 128.6 Weak-Moderate Foliation>> mineral banding											
<<Struc: 130.6 - 131.15 Weak-Moderate Foliation>> mineral banding											
<<Struc: 131.2 - 131.24 Moderate Foliation>> fracture - foliation with brx that crosscuts mineral banding											
<<Struc: 132.1 - 132.8 Moderate Foliation>> mineral banding											
134.16	**137.48**	**RHYcw Curdy textured-flow banded (flows, subvolcanics) light grey**	134.16	135.00	0.84	B00291204	0.351	18.2	0.02	0.45	1.01
134.16 - 137.48: 134.16-134.40: Tectonic fault and shear breccia. 136.0-137.48: lithic brx with RHY and RHYi clasts.											
<<Min: 134.16 - 137.48 3% Min: Sphalerite>>			135.00	136.00	1.00	B00291205	0.199	34.8	0.06	0.2	0.31
<<Min: 134.16 - 137.48 5% Min: Pyrite>> diss, bands and wisps			136.00	136.70	0.70	B00291206	2.11	228	0.35	1.19	2.02
<<Alt: 134.16 - 137 Trace Calcite>>			136.70	137.48	0.78	B00291207	0.105	27.2	-0.01	0.35	0.71
<<Alt: 134.16 - 137.48 Moderate-Strong Muscovite>> green sericite											
<<Alt: 137 - 138.38 Weak-Moderate Calcite>>											
<<Struc: 134.16 - 134.4 Moderate Shear>> 134.16-134.4: brecciated contact											
<<Struc: 134.16 - 134.46 Moderate Fault>> broken core and missing core											
<<Struc: 134.4 - 135 Moderate Foliation>> minor shearing with cross cutting foliation.											
<<Struc: 135 - 137.48 Weak-Moderate dominant foliation>>											
137.48	**141.00**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite FMG**	137.48	138.00	0.52	B00291208	1.79	323	0.25	3.81	5.03
<<Min: 137.48 - 141 5% Min: Sphalerite>>			138.00	139.00	1.00	B00291209	0.825	205	0.11	3.02	4.26
<<Min: 137.48 - 141 40% Min: Pyrite>>			139.00	140.00	1.00	B00291211	3.67	339	0.55	4.42	5.57
<<Min: 137.48 - 141 3% Min: Galena>>			140.00	141.00	1.00	B00291212	2.63	316	0.54	4.12	5.37
<<Min: 138.38 - 139.18 5% Min: Magnetite>>											
<<Alt: 138.38 - 148.94 Trace Calcite>>											
<<Struc: 137.48 - 137.6 Weak-Moderate Fault>> broken core											
<<Struc: 138 - 141 Weak-Moderate Foliation>> mineral banding											

From (m)	To (m)		Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
141.00	**144.08**	**OK**	**Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	**FMG**	141.00	142.00	1.00	B00291213	1.88	200	0.2	3.5	4.34
<<Min: 141 - 144 5% Min: Sphalerite>>					142.00	143.00	1.00	B00291214	2.53	188	0.23	2.48	3.19
<<Min: 141 - 144 30% Min: Pyrite>>					143.00	144.08	1.08	B00291215	2.24	221	0.16	3.07	4.05
<<Min: 141 - 144 3% Min: Galena>>													
<<Min: 141 - 144 20% Min: Barite>> and as diss and wisps													
<<Min: 144 - 146.31 15% Min: Sphalerite>>													
<<Min: 144 - 146.31 50% Min: Pyrite>>													
<<Min: 144 - 146.31 5% Min: Galena>>													
<<Min: 144 - 146.31 10% Min: Barite>>													
<<Struc: 141 - 142 Weak-Moderate Foliation>> mineral banding													
<<Struc: 144 - 145 Moderate Foliation>> mineral banding													
144.08	**146.34**	**OB**	**Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**FG**	144.08	145.00	0.92	B00291216	4.17	404	0.48	4.9	6.86
<<Min: 144.75 - 146.31 0.5% Min: Magnetite>>					145.00	146.00	1.00	B00291217	2.44	309	0.28	3.78	4.84
<<Min: 146.31 - 148.94 10% Min: Sphalerite>>					146.00	146.34	0.34	B00291218	2.07	423	0.18	6.65	6.25
<<Min: 146.31 - 148.94 30% Min: Pyrite>>													
<<Min: 146.31 - 148.94 3% Min: Galena>>													
<<Struc: 145 - 146 Moderate Foliation>> mineral banding													
<<Struc: 146 - 146.7 Moderate Foliation>> mineral banding													
146.34	**148.94**	**OK**	**Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	**FMG**	146.34	147.00	0.66	B00291219	2.6	356	0.17	6.1	6.22
					147.00	148.00	1.00	B00291221	3.61	272	0.24	3.22	4.33
					148.00	148.94	0.94	B00291222	1.53	191	0.1	2.65	4.09
148.94	**150.20**	**OB**	**Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**MCG**	148.94	149.70	0.76	B00291223	2.7	295	0.29	3.38	5.32

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 148.94 - 149.14 5% Min: Barite>>				149.70	150.20	0.50	B00291224	1.87	220	0.18	2.65	7.64
<<Min: 148.94 - 150.2 10% Min: Sphalerite>>												
<<Min: 148.94 - 150.2 40% Min: Pyrite>>												
<<Min: 148.94 - 150.2 3% Min: Galena>>												
<<Min: 149.14 - 152.32 10% Min: Sphalerite>>												
<<Min: 149.14 - 152.32 50% Min: Pyrite>>												
<<Min: 149.14 - 152.32 3% Min: Galena>>												
<<Min: 149.14 - 152.34 5% Min: Magnetite>> minor faint bands												
<<Alt: 148.94 - 150.2 Weak-Moderate Calcite>>												
<<Struc: 150 - 151 Moderate-Strong Foliation>> mineral banding												
150.20	**152.32**	**OB**	**FMG**	150.20	151.00	0.80	B00291225	1.25	344	0.02	4.57	6.12
		Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite										
150.2 - 152.32: faint bands of magnetite												
<<Min: 150.95 - 152.32 5% Min: Chalcopyrite>>				151.00	151.90	0.90	B00291226	1.97	281	0.26	3.95	5.17
<<Alt: 150.2 - 154.95 Moderate Calcite>>				151.90	152.32	0.42	B00291227	1.96	283	0.21	3.34	4.35
<<Struc: 150.2 - 151 Moderate Foliation>> mineral banding												
<<Struc: 151 - 153 Moderate Foliation>> mineral banding												
152.32	**156.28**	**OB**	**FCG**	152.32	153.00	0.68	B00291228	3.01	357	0.46	3.57	4.98
		Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite										
<<Min: 152.32 - 154.1 3% Min: Chalcopyrite>>				153.00	154.00	1.00	B00291229	1.92	265	0.44	2.89	4.06
<<Min: 152.34 - 156.28 10% Min: Sphalerite>>				154.00	155.00	1.00	B00291231	1.96	285	0.48	3.13	4.05
<<Min: 152.34 - 156.28 50% Min: Pyrite>>				155.00	155.80	0.80	B00291232	1.24	256	0.26	4.32	6.13
<<Min: 152.34 - 156.28 3% Min: Magnetite>> rare faint bands				155.80	156.28	0.48	B00291233	0.816	305	0.23	4.77	5.67
<<Alt: 154.95 - 163.6 Moderate Calcite>>												
<<Struc: 153.7 - 156.28 Weak-Moderate Foliation>> mineral banding												
156.28	**164.36**	**OB**	**FMG**	156.28	157.00	0.72	B00291234	2.23	356	0.33	5.02	6.36
		Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite										
<<Min: 156.28 - 159.4 10% Min: Sphalerite>>				157.00	158.00	1.00	B00291235	7.12	797	0.85	5.27	7.57
<<Min: 156.28 - 159.4 60% Min: Pyrite>>				158.00	159.00	1.00	B00291236	3.04	274	0.03	4.69	6.73
<<Min: 156.28 - 159.4 3% Min: Galena>>				159.00	160.00	1.00	B00291237	0.828	191	0.03	3.6	5.41

From (m)	To (m)	Rocktype & Description
		<<Min: 159.4 - 162.43 10% Min: Sphalerite>>
		<<Min: 159.4 - 162.43 30% Min: Pyrite>>
		<<Min: 159.4 - 162.43 3% Min: Galena>>
		<<Min: 159.4 - 162.43 1% Min: Chalcopyrite>>
		<<Min: 162.43 - 164.36 5% Min: Sphalerite>>
		<<Min: 162.43 - 164.36 60% Min: Pyrite>>
		<<Min: 162.43 - 164.36 3% Min: Galena>>
		<<Alt: 163.9 - 201.57 Weak-Moderate Calcite>> as fracture filling
		<<Vein: 157.3 - 157.45 100% Quartz-Carbonate>> irregular contact - infilling brx more than a vein.
		<<Struc: 161.25 - 161.35 Moderate Vein>> irregular qtz - calcite vein cutting mottled - blotchy sulfide-qtz-calcite
		<<Struc: 161.61 - 262.1 Weak Foliation>> mineral banding
		<<Struc: 164.3 - 164.46 Moderate-Strong Contact>> sharp and conformable
164.36	**201.57**	**RHYi Aphanitic Rhyolite (intrusion)**
		<<Min: 164.36 - 164.77 5% Min: Pyrite>> sulfide clasts caught up in sheared contact and diss in quartz - RHYi.
		<<Min: 164.36 - 164.77 0.5% Min: Chalcopyrite>>
		<<Min: 164.77 - 193.2 3% Min: Pyrite>> and as fine diss
		<<Min: 164.77 - 201.57 0.01% Min: Sphalerite>>
		<<Min: 193.2 - 201.57 5% Min: Pyrite>>
		<<Alt: 183 - 198.5 Weak Albite>> light pink tinge to RHYi
		<<Vein: 165 - 201.57 3% Calcite>> calcite veinlets as fracture filling
		<<Vein: 170.95 - 171.53 100% Quartz 20 deg. >>
		<<Vein: 173.9 - 174.15 100% Quartz 15 deg. >>
		<<Vein: 200.1 - 201.25 70% Quartz>> qtz at RHYi contact
		<<Struc: 164.36 - 165.2 Weak-Moderate Fault>> Missing core, meter blocks are difficult to reconcile. Very fractured RHYi.
		<<Struc: 164.7 - 165.2 Weak Fault>> altered and bleached, cut by shear planes.
		<<Struc: 165.2 - 165.5 Weak Foliation>>
		<<Struc: 166.28 - 171.1 Moderate-Strong Fault>> Lots of missing core, meter block 168 was inserted after the fact (when queried about 4.6 m run at shift change) - exact location uncertain. Very fractured RHYi.
		<<Struc: 172.4 - 174 Weak-Moderate Foliation>> fracture cutting off qtz veinlet at 70 deg to core axis
		<<Struc: 173.8 - 174 Weak-Moderate Vein>> qtz vein along fracture
		<<Struc: 174 - 201.48 Weak Fault>> Siliceous RHYi cut by numerous low angle fracture cleavage planes
		<<Struc: 183.5 - 184.8 Weak-Moderate Foliation>> fracture clevage
		<<Struc: 185.5 - 186 Weak-Moderate Foliation>> fracture cleavage with pyrite - calcite

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
160.00	161.00	1.00	B00291238	1.05	108	0.03	2.04	3.4
161.00	162.00	1.00	B00291239	2.95	421	0.39	2.56	3.73
162.00	163.00	1.00	B00291242	1.02	243	0.11	3.36	5.67
163.00	163.60	0.60	B00291243	0.4	178	0.03	4.11	6.47
163.60	164.36	0.76	B00291244	1.3	306	0.28	3.79	4.73
164.36	165.00	0.64	B00291245	0.957	69.7	0.77	0.92	1.33
165.00	166.00	1.00	B00291246	0.015	1.2	-0.01	0.02	0.02
166.00	167.00	1.00	B00291247	0.012	0.9	-0.01	0.01	0.01
167.00	168.00	1.00	B00291248	0.101	14.6	-0.01	0.26	0.36
168.00	169.50	1.50	B00291249	0.036	0.6	-0.01	-0.01	0.01
169.50	171.00	1.50	B00291251	0.048	0.7	-0.01	0.01	-0.01
171.00	172.00	1.00	B00291252	0.029	8.2	-0.01	0.25	-0.01
172.00	174.00	2.00	B00291253	0.048	1.2	-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 %
		<<Struc: 188 - 189 Weak-Moderate Foliation>> fracture cleavage with pyrite									
		<<Struc: 194 - 195.5 Weak-Moderate Foliation>> fracture cleavage with pyrite									
		<<Struc: 196.8 - 198 Weak-Moderate Foliation>> fracture cleavage with pyrite									
		<<Struc: 198 - 198.6 Weak-Moderate Shear>> fracture zone									
201.57	**206.66**	**RHY undifferentiated rhyolite**									
		201.57 - 206.66: Could be altered MAFi. Sharp lower contact at 43 deg along foliation plane - 10cm shear zone.									
		<<Min: 201.57 - 206.66 0.1% Min: Pyrite>>									
		<<Alt: 201.57 - 206.66 Moderate Muscovite>> green sericite									
		<<Alt: 201.57 - 206.66 Moderate Calcite>>									
		<<Struc: 203.85 - 206.66 Weak Fault>> shear planes commonly parallel to foliation and minor zones of core rubble.									
		<<Struc: 205.8 - 206.4 Moderate dominant foliation>>									
206.66	**216.91**	**RHYi Aphanitic Rhyolite (intrusion)**									
		<<Min: 206.66 - 216.91 1% Min: Pyrite>>									
		<<Alt: 206.66 - 216.91 Weak Calcite>> as fracture filling									
		<<Vein: 206.66 - 210 10% Quartz-Carbonate>> qtz vein at RHY contact and as veinlets									
		<<Struc: 208.2 - 210 Moderate Fault>> broken and missing core									
		<<Struc: 210.1 - 210.5 Weak-Moderate Foliation>> fracture cleavage with sericite									
		<<Struc: 211.7 - 212.1 Weak-Moderate Fault>>									
		<<Struc: 216.6 - 217.1 Weak-Moderate Foliation>> fracture cleavage with sericite									
216.91	**225.00**	**RHY undifferentiated rhyolite green**	221.00	222.00	1.00	B00291254	0.007	1.3	-0.01	0.01	0.02
		216.91 - 225: green sericite altered RHY, could be an altered varient of RHYi. Progressivley more sheared below 223.6.									
		<<Min: 216.91 - 223.7 1% Min: Pyrite>>	222.00	223.00	1.00	B00291255	-0.005	0.3	-0.01	-0.01	-0.01
		<<Min: 223.7 - 230.8 3% Min: Pyrite>> minor grey pyritic siliceous bands and clasts of pyritic qtz. Py is finely diss in both.	223.00	223.70	0.70	B00291256	0.041	12	-0.01	0.09	0.15
		<<Alt: 216.91 - 225 Moderate Muscovite>> green sericite, intensity increasing down hole.	223.70	225.00	1.30	B00291257	0.021	13	-0.01	0.1	0.04
		<<Alt: 216.91 - 232.33 Weak-Moderate Calcite>>									
		<<Struc: 220.6 - 221 Weak-Moderate Fault>> shear plane									
		<<Struc: 221 - 221.4 Moderate-Strong dominant foliation>>									
		<<Struc: 223.7 - 225 Moderate Shear>> gougy -sericite shear planes									
225.00	**232.33**	**FLZ Fault Zone green**	225.00	226.22	1.22	B00291258	-0.005	1	-0.01	0.01	0.03
		225 - 232.33: low angle shears in strongly sericte altered RHY. Very solf ground! Poor core recovery 228.0 - 231.0m. 231-232.33m brecciated sulfide clasts in shear stringers along low angle shear planes.									

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 230.8 - 232.33 5% Min: Pyrite>> pyrite in siliceous sulfide clasts				226.22	228.00	1.78	B00291259	0.135	10.5	0.01	0.09	0.12
<<Alt: 225 - 232.33 Strong Muscovite>> green sericite, strongly sheared, parallel to foliation, at low angle to core axis.				228.00	231.00	3.00	B00291261	0.138	29.7	0.01	0.18	0.22
<<Vein: 227.7 - 228 100% Quartz>> qtz vein or clast in shear zone				231.00	232.33	1.33	B00291262	0.513	67.9	0.06	0.24	0.35
<<Struc: 225 - 231.33 Strong Fault>> gouge, breccia clasts, strongly sheared at mostly low angles, locally adulatory, missing core.												
<<Struc: 231 - 231.6 Moderate-Strong Shear>>												
<<Struc: 231.6 - 231.9 Moderate-Strong Shear>> shr planes												
<<Struc: 231.9 - 232.05 Moderate-Strong Shear>> shr planes												
<<Struc: 232.05 - 232.3 Moderate-Strong Shear>> shr planes												
<<Struc: 232.3 - 232.33 Moderate-Strong Contact>> sulfide contact with fault zone												
232.33	**235.64**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**FG**	232.33	233.00	0.67	B00291263	0.679	46.8	0.02	0.74	2.75
232.33 - 235.64: healed pyrite breccia, good canidate for OD, brecciated OH as grade appears low.												
<<Min: 232.33 - 234.37 5% Min: Sphalerite>>				233.00	234.00	1.00	B00291264	1.4	199	0.24	0.35	1.2
<<Min: 232.33 - 234.37 70% Min: Pyrite>>				234.00	235.00	1.00	B00291265	1.54	240	0.24	1.88	4.59
<<Min: 232.33 - 234.37 1% Min: Galena>>				235.00	235.64	0.64	B00291266	0.689	120	0.02	2.29	7.55
<<Min: 232.33 - 234.37 0.5% Min: Chalcopyrite>>												
<<Min: 233.3 - 242.12 3% Min: Magnetite>> local patches up to 5+%												
<<Min: 234.37 - 235.64 10% Min: Sphalerite>> with silica (and BA?) as breccia filling												
<<Min: 234.37 - 235.64 50% Min: Pyrite>>												
<<Min: 234.37 - 235.64 3% Min: Galena>>												
<<Min: 234.37 - 235.64 3% Min: Chalcopyrite>> mixed with fine grained py - difficult to identify.												
<<Alt: 232.33 - 235.64 Trace Calcite>> minor blebs and infillings												
<<Struc: 232.75 - 233.2 Weak-Moderate Foliation>> mineral banding												
<<Struc: 233.9 - 234.1 Moderate Foliation>> mineral banding												
<<Struc: 235.5 - 237 Moderate Foliation>> mineral banding												
235.64	**238.30**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**FCG**	235.64	236.00	0.36	B00291267	0.644	89.6	0.01	1.45	5.95
<<Min: 235.64 - 237.55 0.5% Min: Chalcopyrite>>				236.00	237.00	1.00	B00291268	0.492	118	0.01	1.49	5.09
<<Min: 235.64 - 238.3 10% Min: Sphalerite>>				237.00	237.55	0.55	B00291269	0.597	152	0.02	2.4	7.37
<<Min: 235.64 - 238.3 50% Min: Pyrite>>				237.55	238.30	0.75	B00291271	2.68	139	0.07	2.58	8.52

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 235.64 - 238.3 3% Min: Galena>>									
		<<Min: 235.87 - 236.9 1% Min: Magnetite>>									
		<<Min: 237.55 - 238.3 3% Min: Chalcopyrite>>									
		<<Alt: 235.64 - 240 Weak Calcite>>									
		<<Struc: 238 - 238.5 Moderate Foliation>>									
238.30	**239.30**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	238.30	239.30	1.00	B00291272	0.824	186	0.01	2.46	6.71
		<<Min: 238.3 - 242.12 5% Min: Magnetite>> 238.3-238.8 m up to 10%									
		<<Min: 238.3 - 243 20% Min: Sphalerite>>									
		<<Min: 238.3 - 243 50% Min: Pyrite>>									
		<<Min: 238.3 - 243 3% Min: Galena>>									
		<<Min: 238.3 - 243 3% Min: Chalcopyrite>> Fine grained, mixed with Pyrite?									
239.30	**247.28**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	239.30	240.00	0.70	B00291273	1.45	424	0.18	4.98	9.06
		<<Min: 243 - 247.28 15% Min: Sphalerite>>	240.00	241.00	1.00	B00291274	0.532	157	0.02	1.79	4.69
		<<Min: 243 - 247.28 50% Min: Pyrite>>	241.00	242.00	1.00	B00291275	0.556	128	0.01	1.75	5.71
		<<Min: 243 - 247.28 2% Min: Galena>>	242.00	243.00	1.00	B00291276	0.905	315	0.01	4.21	8.08
		<<Min: 243 - 247.28 1% Min: Chalcopyrite>>	243.00	244.00	1.00	B00291277	2.27	329	0.1	3.9	7.81
		<<Alt: 240 - 247.28 Moderate Calcite>>	244.00	245.00	1.00	B00291278	0.482	72.2	-0.01	0.96	4.74
		<<Struc: 240 - 241.5 Weak-Moderate Foliation>> mineral banding	245.00	246.00	1.00	B00291279	0.466	90.1	-0.01	0.98	4.64
		<<Struc: 241.5 - 242.3 Moderate Foliation>> mineral banding	246.00	246.50	0.50	B00291282	0.475	95.6	-0.01	0.96	5.14
		<<Struc: 242.4 - 243 Moderate Foliation>> mineral banding	246.50	247.28	0.78	B00291283	3.76	416	0.47	2.12	5.89
		<<Struc: 243.5 - 244.4 Moderate Foliation>> mineral banding									
		<<Struc: 244.3 - 244.8 Weak Foliation>> mineral banding									
247.28	**248.00**	**MAFi Mafic Intrusions (primarily green footwall mafic intrusion)**	247.28	248.00	0.72	B00291284	4.92	324	0.55	0.31	1.39
		247.28 - 248: sharp contacts, approximately parallel to foliation in MAFi and marked by about 2 cm of qtz - calcite veining. Could be altered RHY									
		<<Min: 247.28 - 248 1% Min: Pyrite>>									
		<<Alt: 247.28 - 248 Weak Muscovite>> green sericite									
		<<Alt: 247.28 - 248 Weak-Moderate Calcite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Vein: 247.28 - 248 5% Quartz-Carbonate 12 deg. >> qtz -calcite on contact									
		<<Vein: 247.9 - 247.95 10% Quartz-Tourmaline 23 deg. >> mm-<0.5cm tourmaline veinlet parallel to foliation									
		<<Struc: 247.28 - 248 Moderate dominant foliation>>									
248.00	**255.32**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite FG**	248.00	249.00	1.00	B00291285	1.95	262	0.22	1.81	4.88
		<<Min: 248 - 255.32 1% Min: Chalcopyrite>> really a guess… lots of greenish fine grained pyrite - could be lots of chalcopyrite!	249.00	250.00	1.00	B00291286	3.16	349	0.26	3.03	6.08
		<<Min: 248.7 - 250 5% Min: Sphalerite>>	250.00	251.00	1.00	B00291287	2.97	226	0.36	0.27	1.48
		<<Min: 248.7 - 250 60% Min: Pyrite>>	251.00	252.00	1.00	B00291288	1.48	102	0.15	0.17	1.72
		<<Min: 248.7 - 250 1% Min: Galena>>	252.00	253.00	1.00	B00291289	0.369	9.4	-0.01	0.11	2.24
		<<Min: 248.7 - 252 3% Min: Magnetite>> patchy, no local concentrations >3%.	253.00	254.00	1.00	B00291291	1.43	83.9	0.12	0.15	2.04
		<<Min: 250 - 252 10% Min: Sphalerite>>	254.00	254.50	0.50	B00291292	2.27	164	0.26	0.11	2.21
		<<Min: 250 - 252 3% Min: Galena>>	254.50	255.32	0.82	B00291293	4.93	405	0.47	0.73	4.71
		<<Min: 250 - 255.32 50% Min: Pyrite>>									
		<<Min: 250 - 255.32 2% Min: Galena>>									
		<<Min: 252 - 255.32 5% Min: Sphalerite>>									
		<<Alt: 248 - 255.32 Moderate-Strong Calcite>>									
		<<Struc: 248.4 - 249 Moderate Foliation>> mineral banding									
		<<Struc: 250 - 253.5 Moderate Foliation>> mineral banding									
		<<Struc: 253.5 - 254.4 Moderate Foliation>> mineral banding									
		<<Struc: 254.4 - 255.32 Moderate Foliation>> mineral banding									
		<<Struc: 255.2 - 255.4 Moderate Contact>>									
255.32	**261.61**	**MAFi Mafic Intrusions (primarily footwall mafic intrusion) green**	255.32	256.40	1.08	B00291294	0.09	4.9	0.02	-0.01	0.05
		255.32 - 261.61: both contacts with sulfide units parallel to foliation or foliation - shear in case of lower boundary. Pseudo leucoxene (Fe-carb prophyroblasts), 1mm size..									
		<<Min: 255.32 - 261.61 1% Min: Pyrite>>	256.40	257.40	1.00	B00291295	0.029	2.1	-0.01	-0.01	0.03
		<<Alt: 255.32 - 261.61 Weak Muscovite>>	257.40	258.00	0.60	B00291296	0.036	4.6	-0.01	0.02	0.04
		<<Alt: 255.32 - 261.61 Weak-Moderate Chlorite>> meta chlorite partially altered to sericite. Pseudo leucoxene present throughout.	258.00	259.20	1.20	B00291297	0.021	2.4	-0.01	0.02	0.04
		<<Alt: 255.32 - 261.61 Moderate-Strong Calcite>>	259.20	260.00	0.80	B00291298	0.029	2.7	-0.01	0.03	0.05
		<<Alt: 255.32 - 261.61 Weak Biotite>>	260.00	261.00	1.00	B00291299	0.033	3.8	-0.01	0.03	0.08
		<<Alt: 261 - 261.61 Weak-Moderate Talc-serpentine>> on shear planes	261.00	261.61	0.61	B00291301	0.095	5.3	0.03	0.05	0.14

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Struc: 255.32 - 256.4 Moderate dominant foliation>>												
<<Struc: 256.4 - 260 Moderate-Strong dominant foliation>>												
<<Struc: 260 - 260.1 Moderate Fault>> fault gouge zone												
<<Struc: 260.3 - 261 Strong dominant foliation>> almost a shear												
<<Struc: 261 - 261.61 Moderate-Strong Shear>> low angle shear planes												
261.61	**263.63**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**FG**	261.61	262.60	0.99	B00291302	0.716	158	0.07	3.53	5.93
261.61 - 263.63: gradational contact with OB-DMG unit.												
<<Min: 261.61 - 263.63 0.5% Min: Chalcopyrite>>				262.60	263.63	1.03	B00291303	0.294	82	0.01	2.55	5.33
<<Min: 261.61 - 264.68 10% Min: Sphalerite>>												
<<Min: 261.61 - 264.68 60% Min: Pyrite>>												
<<Min: 261.61 - 264.68 3% Min: Galena>>												
<<Min: 263.3 - 266.2 5% Min: Magnetite>>												
<<Alt: 261.61 - 268.87 Moderate-Strong Calcite>>												
<<Alt: 263.15 - 269.4 Weak-Moderate Cordierite>> calcite-chlorite-magnetite replaced cordierite. DMG is likley replaced cordierite (content increases downhole												
<<Alt: 263.3 - 268.87 Weak Chlorite>> likely replacing cordierite												
<<Struc: 262.1 - 262.75 Weak-Moderate Foliation>> mineral banding												
263.63	**268.87**	**OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	**FCG**	263.63	264.60	0.97	B00291304	0.204	48	0.19	1.07	4.59
263.63 - 268.87: chlorite and magnetite replacing cordierite. Gradational contact with OA unit.												
<<Min: 263.63 - 264.68 3% Min: Chalcopyrite>>				264.60	265.60	1.00	B00291305	0.363	84.1	1.5	1.4	3.61
<<Min: 264.68 - 265.75 10% Min: Sphalerite>> also as blebs and in patches.				265.60	266.50	0.90	B00291306	0.147	55.4	0.23	1.33	3.73
<<Min: 264.68 - 265.75 1% Min: Galena>>				266.50	267.50	1.00	B00291307	0.231	58.4	0.74	1.09	4.12
<<Min: 264.68 - 266.55 5% Min: Chalcopyrite>>				267.50	268.40	0.90	B00291308	0.17	38.8	1.15	0.43	4.61
<<Min: 264.68 - 268.87 40% Min: Pyrite>>				268.40	268.87	0.47	B00291309	0.143	57.9	0.58	0.91	5.6
<<Min: 265.75 - 268.87 1% Min: Sphalerite>>												
<<Min: 265.75 - 268.87 0.1% Min: Galena>>												
<<Min: 266.2 - 268.87 10% Min: Magnetite>>												
<<Min: 266.55 - 268.87 10% Min: Chalcopyrite>> veinlets and blebs up to 1 cm wide.												
<<Vein: 266.62 - 266.63 100% Massive Sulphide/Sulphides undifferentiated 40 deg. >> 1cm chalcopyrite veinlet												

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Struc: 264 - 264.4 Weak Foliation>> mineral banding												
<<Struc: 264.4 - 264.8 Weak Foliation>> mineral banding												
<<Struc: 266.62 - 266.63 Moderate-Strong Vein>> 1 cm chalcopyrite veinlet												
<<Struc: 267.3 - 267.75 Weak Foliation>> mineral banding												
268.87	**270.19**	**OA** **Laminar or heavilly disseminated magnetite bearing massive sulphide**	**FCG**	268.87	269.49	0.62	B00291311	0.143	65.7	0.27	0.91	8.6
268.87 - 270.19: Gradational contact with OF unit over about 20 cm.												
<<Min: 268.87 - 270.19 1% Min: Sphalerite>>				269.49	270.19	0.70	B00291312	0.099	31.2	0.46	0.44	10.5
<<Min: 268.87 - 270.19 50% Min: Pyrite>>												
<<Min: 268.87 - 270.19 25% Min: Magnetite>>												
<<Min: 268.87 - 270.19 1% Min: Chalcopyrite>>												
<<Alt: 268.87 - 269.25 Trace Calcite>>												
<<Alt: 268.87 - 272 Weak-Moderate Chlorite>>												
<<Struc: 268.87 - 269.6 Weak-Moderate Foliation>> mineral banding												
<<Struc: 269.6 - 270 Weak-Moderate Foliation>> mineral banding												
270.19	**273.40**	**OF** **Pyrrhotite rich sulphides**	**FCG**	270.19	271.00	0.81	B00291313	0.052	26.1	0.65	0.33	8.07
270.19 - 273.4: Gradational contact with OJ unit over 40 cm, marked by decrease in PO and increase in chlorite.												
<<Min: 270.19 - 272 70% Min: Pyrrhotite>>				271.00	271.87	0.87	B00291314	0.076	26.1	0.78	0.34	6.78
<<Min: 270.19 - 273.4 15% Min: Chalcopyrite>>				271.87	272.60	0.73	B00291315	0.074	39.8	0.84	0.43	11.2
<<Min: 270.19 - 273.55 10% Min: Magnetite>>				272.60	273.40	0.80	B00291316	0.063	49	0.54	0.55	10.7
<<Min: 272 - 273.4 40% Min: Pyrrhotite>>												
<<Alt: 271.9 - 275.11 Intense Cordierite>> difficult to determine but looks like cordierite and chlorite replacing it.												
<<Alt: 272 - 273.4 Strong Chlorite>> locally banded												
<<Struc: 270.55 - 270.8 Weak Vein>> chlorite - calcite on cross cutting fractures												
273.40	**275.11**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	**FCG**	273.40	274.20	0.80	B00291317	0.069	43.4	0.7	0.43	14.2
273.4 - 275.11: sharp foliation conformable contact with RHY.												
<<Min: 273.4 - 275.11 10% Min: Sphalerite>>				274.20	275.11	0.91	B00291318	0.042	49.3	0.72	0.6	17.5
<<Min: 273.4 - 275.11 1% Min: Galena>>												

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 273.4 - 275.11 3% Min: Chalcopyrite>>									
		<<Min: 273.7 - 274.3 1% Min: Magnetite>>									
		<<Min: 274.3 - 284.6 0.01% Min: Sphalerite>>									
		<<Min: 274.3 - 293.64 3% Min: Pyrite>>									
		<<Alt: 273.4 - 275.11 Moderate-Strong Muscovite>> locally banded									
		<<Alt: 273.4 - 275.11 Intense Chlorite>>									
		<<Struc: 274 - 275 Weak-Moderate Foliation>> mineral banding parallel to core axis									
		<<Struc: 275 - 275.2 Strong Contact>>									
275.11	**293.64**	**RHYcw Curdy textured-flow banded (flows, subvolcanics) light grey**	275.11	276.00	0.89	B00291319	-0.005	11.9	0.05	0.15	1.8
		275.11 - 293.64: strongly sheared and sericite altered. 287-299: trace fine diss tourmaline.									
		<<Min: 287.9 - 293.64 1% Min: Pyrrhotite>>	276.00	277.50	1.50	B00291322	-0.005	2.5	0.02	0.04	0.12
		<<Alt: 275.11 - 288 Intense Muscovite>> sheared silicic bands with green sericite partings.	277.50	279.00	1.50	B00291323	-0.005	0.5	-0.01	-0.01	0.01
		<<Alt: 276 - 284.7 Trace Calcite>>	279.00	280.50	1.50	B00291324	-0.005	0.7	-0.01	0.01	0.04
		<<Alt: 284.5 - 293.64 Trace Chlorite>>	280.50	282.00	1.50	B00291325	-0.005	0.7	-0.01	0.01	0.08
		<<Alt: 284.7 - 287 Weak Calcite>>	282.00	283.50	1.50	B00291326	-0.005	0.4	-0.01	-0.01	0.01
		<<Alt: 287 - 293.64 Weak-Moderate Calcite>>	283.50	285.00	1.50	B00291327	-0.005	0.6	-0.01	-0.01	0.09
		<<Alt: 287.8 - 293.64 Trace Biotite>> Also tourmaline present.									
		<<Alt: 288 - 291 Moderate-Strong Muscovite>>									
		<<Alt: 291 - 293.64 Weak-Moderate Muscovite>>									
		<<Vein: 275.42 - 276.82 40% Quartz>> disrupted qtz veining									
		<<Struc: 278 - 279 Moderate-Strong dominant foliation>>									
		<<Struc: 279 - 292 Moderate-Strong dominant foliation>> locally foliation steeper at 20 but mostly very low angle									
		<<Struc: 282 - 284 Moderate Foliation>> spaced cleavage (10-20 cm) with stong sericite cutting 00-010 low angle foliation.									
		<<Struc: 282 - 288 Weak Fault>> broken core, Numerous shear planes with sericite and clay both parallel to dominent foliation and cross cutting it. Very soft and crumbly core due to intense sericite alteration.									
		<<Struc: 287.7 - 288 Weak-Moderate Kink bands>> minor fold measured by compass: Fold axis 084 plunging 49E. Axial plane 036/57S, DFOL 056/64S.									
		<<Struc: 287.8 - 288 Moderate-Strong Foliation>>									
		<<Struc: 288 - 293 Moderate dominant foliation>> undulatory foliation; 00 +/- 10.									
293.64	**312.73**	**RHYvl Lapilli tuff medium grey**									
		<<Min: 293.64 - 307 3% Min: Pyrrhotite>>									
		<<Min: 307 - 330.1 3% Min: Pyrite>>									

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

<<Alt: 293.64 - 300 Weak-Moderate Muscovite>>

<<Alt: 293.64 - 306 Trace Calcite>>

<<Alt: 293.64 - 353 Trace Biotite>> local diss tourmaline

<<Alt: 300 - 313.3 Weak-Moderate Muscovite>> sericite - muscovite: could be original?

<<Alt: 302 - 353 Trace Chlorite>>

<<Alt: 306 - 307.3 Weak-Moderate Calcite>>

<<Alt: 307.3 - 320 Moderate-Strong Muscovite>> strong sericite on partings

<<Struc: 294 - 297 Moderate dominant foliation>>

<<Struc: 297 - 301 Moderate dominant foliation>>

<<Struc: 301 - 303 Moderate dominant foliation>>

<<Struc: 306 - 308 Moderate dominant foliation>>

<<Struc: 310.5 - 312 Moderate dominant foliation>>

<<Struc: 312 - 312.73 Moderate Shear>> undulatory; shear - foliation dips about 30 deg both uphole and down. Strong sericite and clay.

<<Struc: 312.7 - 312.75 Strong Contact>>

312.73 313.73 FLZ Fault Zone grey

312.73 - 313.73: mulitlithic volcanic clasts in banded - sheared rock flour - gouge. Upper contact at 32 deg.

<<Alt: 313.3 - 328.5 Trace Calcite>>

<<Struc: 312.73 - 313.3 Strong Fault>> multilithic

<<Struc: 313.3 - 319.3 Weak Shear>> numerous gougy - sericite shear planes, mm - <0.5cm, commonly parallel to foliation but also cross cutting DFOL.

313.73 318.46 RHYcw Curdy textured-flow banded (flows, subvolcanics) medium grey

<<Struc: 314.5 - 316 Moderate-Strong dominant foliation>>

<<Struc: 316 - 317.7 Moderate-Strong dominant foliation>>

318.46 322.08 RHYvl Lapilli tuff grey-green

318.46 - 322.08: silicic bands

<<Alt: 320 - 353 Weak-Moderate Muscovite>>

<<Struc: 322 - 323 Moderate-Strong dominant foliation>>

322.08 327.89 RHYcw Curdy textured-flow banded (flows, subvolcanics) grey-green

<<Struc: 324 - 325 Moderate-Strong dominant foliation>>

<<Struc: 325 - 328 Moderate-Strong dominant foliation>>

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

327.89 334.86 RHYv Rhyolite volcaniclastic grey-green

<<Min: 330.1 - 349 3% Min: Pyrite>>

<<Min: 330.1 - 353 0.5% Min: Pyrrhotite>> Diss and as rare veinlets and blebs.

<<Alt: 328.5 - 348 Weak Calcite>>

<<Struc: 329 - 331 Moderate dominant foliation>>

<<Struc: 331 - 333 Moderate-Strong dominant foliation>>

<<Struc: 334 - 336 Moderate-Strong dominant foliation>>

334.86 336.76 RHYcw Curdy textured-flow banded (flows, subvolcanics) grey-green

<<Struc: 336 - 340 Moderate-Strong dominant foliation>>

336.76 353.00 RHYv Rhyolite volcaniclastic grey-green

336.76 - 353: Numerous sections with silicic bands but not enough to be called RHYcw.

<<Min: 349 - 353 1% Min: Pyrite>>

<<Vein: 349.3 - 352 100% Quartz 30 deg. >> sericite sheared gougy contacts parrallel to foliation at approx 30 deg. Includes 5% sericite alt RHY clasts.

<<Struc: 340 - 341.7 Moderate-Strong dominant foliation>>

<<Struc: 341 - 347 Weak Shear>> calcite healed fractures and thin (mm - <1cm) clay shear planes, commonly parallel but also crosscutting DFOL

<<Struc: 344 - 345 Moderate-Strong dominant foliation>>

<<Struc: 346 - 346.5 Moderate-Strong dominant foliation>>

<<Struc: 346.5 - 348 Moderate-Strong dominant foliation>>

<<Struc: 349.2 - 349.3 Moderate Shear>>

<<Struc: 349.2 - 349.3 Moderate-Strong Contact>>

<<Struc: 351.9 - 352.1 Moderate-Strong Shear>>

<<Struc: 351.9 - 352.1 Moderate-Strong Fault>>

<<Struc: 352.1 - 353 Moderate Fault>> Broken core and core rubble.

End of Hole @ 353