EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-351

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	5/26/2016
UTM Easting	415131.7035	Core Size:	HQ3	Azimuth:	215.7	Date Logging Complete:	5/27/2016
UTM Northing:	6815043.4774	Casing Pulled?:	Yes	Dip:	-59	Drill Company:	Hytech
UTM Elev. (m):	1399.016	Casing Depth (m):	9	Length (m):	198	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	5/24/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	5/25/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Resource Definition
Comments:						Parent Hole:	

K16-351 was drilled to confirm the resource of the Krakatoa lenses near the Sunda Fault.
K16-351 encountered bedrock at 9.3 m. The hanging wall package consists of mixed PEL, RHYv, RHYi, RHYc, and minor MAFi to a depth of ~110.9 m, where the upper contact of the MAFi occurs. Within this hanging wall package moderate to strong MU-alteration occurs from 73-110.9m, with a zone of intense alteration from 93-94.6 m. This intense alteration occurs near where the upper lens mineralization has been modelled from surrounding drill holes. The MAFi occurs from 110.9-131.8 m. From 131.8-133.4 m, OJ mineralization occurs as bands of strong chlorite alteration with stringer style mineralization within the MAFi. From 133.4-140.2 m, MXSX occurs, consisting of OB and OK style mineralization. The footwall zone consists of mixed MU-altered RHY and RHYi from 140.2-163.2 m. From 163.2-198 m (EOH), an intense fault with polylithic clasts in a gouge matrix occurs. This fault is believed to be the Sunda Fault.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-59	214.3	1.4	215.7	APS	Dillon Hume	5/24/2016		☑	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
15	-59.8	196.7	22.1	218.8	ReflexEZS	Hytech	5/24/2016	5862	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
31	-60.1	195.1	22.1	217.2	ReflexEZS	Hytech	5/24/2016	5750	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
57	-60.2	194.7	22.1	216.8	ReflexEZS	Hytech	5/24/2016	5737	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
81	-60.3	195.3	22.1	217.4	ReflexEZS	Hytech	5/24/2016	5741	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
105	-60.4	193.7	22.1	215.8	ReflexEZS	Hytech	5/24/2016	5709	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
129	-60	192.9	22.1	215	ReflexEZS	Hytech	5/25/2016	5702	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
153	-60.5	192.6	22.1	214.7	ReflexEZS	Hytech	5/25/2016	5732	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
177	-60.3	199.4	22.1	221.5	ReflexEZS	Hytech	5/25/2016	5776	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
198	-60.3	193.4	22.1	215.5	ReflexEZS	Hytech	5/25/2016	5717	☑	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 9.30 OVBN Overburden

9.30 9.90 RHYc Rhyolite coherant volcanics

<<Min: 9.3 - 19.8 1% Min: Pyrite>>

<<Alt: 9.3 - 9.9 Weak Calcite>>

9.90 14.50 PEL Equigranular biotite + calcite +/- quartz rock

9.9 - 14.5: Sharp upper contact and gradational lower contact with RHYvl. Same unit logged as MAFi (mineral: BI) in surrounding holes. Appears stratigraphically controlled in cross-section.

<<Alt: 9.9 - 14.5 Moderate Calcite>>

14.50 17.30 RHYvl Lapilli tuff

14.5 - 17.3: lpl tuff with minor patches of coherent rhyolite

<<Alt: 14.5 - 19.8 Weak-Moderate Calcite>>

<<Vein: 14.7 - 14.8 100% Quartz-Carbonate>> Massive QZ-CA vein

17.30 19.80 RHYva Coarse grained to ash tuff

17.3 - 19.8: Ash dominated tuff with minor lpl and disseminated BI (sedimentary input?)

<<Struc: 18.07 - 18.08 Weak dominant foliation>>

19.80 32.10 RHYi Aphanitic Rhyolite (intrusion)

19.8 - 32.1: Light grey to pink aphanitic siliceous rhyolite. Appears to grade from coherent rhyolite at the top to aphanitic over ~50 cm.

<<Min: 19.8 - 32.1 2% Min: Pyrite>>

<<Alt: 19.8 - 32.1 Weak Calcite>> CA FRA in RHYi

<<Struc: 21.36 - 21.37 Weak dominant foliation>>

<<Struc: 26.23 - 26.24 Weak dominant foliation>>

32.10 34.40 RHYva Coarse grained to ash tuff

32.1 - 34.4: Minor lpl and patches of coherent RHY (blocks or bombs?)

<<Min: 32.1 - 43.8 0.5% Min: Pyrite>>

<<Alt: 32.1 - 34.4 Weak-Moderate Calcite>>

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

34.40 36.30 PEL Equigranular biotite + calcite +/- quartz rock

34.4 - 36.3: Same unit logged as MAFi (mineral: BI) in surrounding holes. Appears stratigraphically controlled in cross-section.

<<Alt: 34.4 - 36.3 Moderate Calcite>>

36.30 37.00 RHYv Rhyolite volcaniclastic

36.3 - 37: Dominantly ashy with minor lpl and coherent clasts (?)

<<Alt: 36.3 - 37 Weak-Moderate Calcite>>

37.00 37.50 PEL Equigranular biotite + calcite +/- quartz rock

37 - 37.5: Same unit logged as MAFi (mineral: BI) in surrounding holes. Appears stratigraphically controlled in cross-section.

<<Alt: 37 - 37.5 Moderate Calcite>>

37.50 38.90 RHYc Rhyolite coherant volcanics

37.5 - 38.9: Silica banded rhyolite

<<Alt: 37.5 - 73 Weak-Moderate Calcite>>

38.90 53.60 RHYvl Lapilli tuff

38.9 - 53.6: Variable total content of lpl, from locally ash dominant to lpl-rich (>50%)

<<Min: 43.8 - 68 0.1% Min: Pyrite>>

<<Min: 43.8 - 68 0.5% Min: Pyrrhotite>>

<<Vein: 53.2 - 53.4 100% Quartz-Tourmaline>> QZ vein with patchy tourmaline

<<Struc: 42.25 - 42.26 Weak dominant foliation>>

<<Struc: 47.95 - 47.96 Weak-Moderate dominant foliation>>

<<Struc: 49.3 - 49.6 Weak Fault>>

53.60 54.80 No Core No Core

54.80 68.00 RHYvl Lapilli tuff

54.8 - 68: Variable total content of lpl, from locally ash dominant to lpl-rich (>50%)

<<Alt: 66 - 73 Weak Muscovite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
68.00	**93.00**	**RHYcw** **Curdy textured-flow banded (flows, subvolcanics)**	87.00	88.50	1.50	B00292201	0.006	0.6	-0.01	-0.01	-0.01
68 - 93: Flow banded and altered rhyolite											
<<Min: 68 - 93 2% Min: Pyrite>>			88.50	90.00	1.50	B00292202	-0.005	0.9	-0.01	-0.01	-0.01
<<Alt: 73 - 93 Moderate Muscovite>>			90.00	91.50	1.50	B00292203	0.006	0.5	-0.01	-0.01	-0.01
<<Alt: 73 - 93 Weak Calcite>>			91.50	93.00	1.50	B00292204	-0.005	0.4	-0.01	-0.01	-0.01
<<Vein: 86.6 - 86.8 80% Quartz-Carbonate>> Deformed QZ-CA vein within RHYcw											
<<Struc: 68 - 69.6 Weak Fault>> Broken ground with minor fault gouge											
<<Struc: 76.1 - 76.3 Weak Fault>> Broken ground with minor gouge											
93.00	**94.60**	**RHY** **undifferentiated rhyolite**	93.00	93.80	0.80	B00292205	-0.005	-0.3	-0.01	-0.01	0.02
93 - 94.6: UPPER LENS: Intensely MU-altered RHY? With minor disseminated sulfides. Located near where upper lens was anticipated to be intercepted.											
<<Min: 93 - 94.6 2% Min: Pyrite>>			93.80	94.60	0.80	B00292206	0.028	2.6	0.04	-0.01	0.07
<<Alt: 93 - 94.6 Intense Muscovite>> Completely sericite altered. Located near where the Upper Lens was anticipated to be intercepted.											
<<Alt: 93 - 94.6 Weak-Moderate Calcite>>											
<<Alt: 93 - 94.6 Weak Biotite>>											
<<Struc: 93.5 - 93.6 Weak Fault>> Minor faulting in intensely altered RHY											
94.60	**95.60**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	94.60	95.60	1.00	B00292207	0.012	0.8	0.01	-0.01	0.08
94.6 - 95.6: BI-rich MAFi due to alteration (?)											
<<Alt: 94.6 - 95.6 Moderate-Strong Calcite>>											
<<Alt: 94.6 - 96.6 Strong Biotite>> Related to alteration of MAFi ??											
<<Struc: 94.6 - 94.9 Weak-Moderate Fault>> Faulting with some gouge matrix and minor clasts											
95.60	**101.90**	**RHYva** **Coarse grained to ash tuff**	95.60	97.10	1.50	B00292208	0.015	1.1	-0.01	-0.01	0.02
95.6 - 101.9: Well foliated and moderate-strong altered rhyolite											
<<Min: 95.6 - 101.9 1% Min: Pyrite>>			97.10	98.60	1.50	B00292209	0.012	1	-0.01	-0.01	0.03
<<Alt: 95.6 - 101.9 Weak Calcite>>			98.60	100.10	1.50	B00292211	0.008	0.6	-0.01	-0.01	0.01
<<Alt: 96.6 - 101.9 Moderate-Strong Muscovite>>											
<<Vein: 101.7 - 101.9 100% Calcite 60 deg. >> Massive CA-QZ vein											
101.90	**103.00**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 101.9 - 110.9 1% Min: Pyrite>>									
		<<Alt: 101.9 - 103 Moderate Calcite>>									
103.00	**110.90**	**RHYv** **Rhyolite volcaniclastic**									
		103 - 110.9: Well foliated and moderate-strong altered rhyolite (volcaniclastic?)									
		<<Alt: 103 - 110.9 Moderate-Strong Muscovite>>									
		<<Alt: 103 - 110.9 Weak-Moderate Calcite>>									
		<<Struc: 107.7 - 110.9 Moderate Fault>> Highly broken with fault gouge contact between RHY and MAFi									
110.90	**131.80**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	121.30	122.80	1.50	B00292212	-0.005	0.6	-0.01	-0.01	0.02
		<<Min: 110.9 - 131.8 0.1% Min: Pyrite>>	122.80	124.30	1.50	B00292213	-0.005	-0.3	-0.01	-0.01	0.02
		<<Alt: 110.9 - 124.3 Weak-Moderate Calcite>>	124.30	125.80	1.50	B00292214	-0.005	0.7	-0.01	-0.01	0.02
		<<Alt: 124.3 - 133.4 Moderate Calcite>>	125.80	127.30	1.50	B00292215	0.007	-0.3	-0.01	-0.01	0.01
		<<Struc: 122.16 - 122.17 Moderate dominant foliation>>	127.30	128.80	1.50	B00292216	0.006	-0.3	-0.01	-0.01	0.01
			128.80	130.30	1.50	B00292217	0.007	-0.3	-0.01	-0.01	0.01
			130.30	131.80	1.50	B00292218	-0.005	-0.3	-0.01	-0.01	0.01
131.80	**133.40**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	131.80	133.40	1.60	B00292219	1.06	13.9	0.94	0.02	0.4
		131.8 - 133.4: MAFI with minor bands of intense CL-alteration (~2 cm thick) with CP+PO+PY disseminated to blebby mineralization. Stringer zone.									
		<<Min: 131.8 - 133.4 0.5% Min: Sphalerite>>									
		<<Min: 131.8 - 133.4 0.5% Min: Pyrite>>									
		<<Min: 131.8 - 133.4 0.5% Min: Pyrrhotite>>									
		<<Min: 131.8 - 133.4 2% Min: Chalcopyrite>>									
		<<Alt: 131.8 - 133.4 Strong Chlorite>> Bands of strong Chlorite alteration associated with stringer style mineralization									
133.40	**135.60**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	133.40	134.50	1.10	B00292221	1.97	197	0.9	7.26	8.82
		133.4 - 135.6: Massive laminated PY+SP+/-GL with local blebby CP+PO near upper contact. ~5% SI+CA gangue patches									
		<<Min: 133.4 - 135.6 5% Min: Sphalerite>>	134.50	135.60	1.10	B00292222	1.64	154	0.06	6	7.52
		<<Min: 133.4 - 135.6 85% Min: Pyrite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 133.4 - 135.6 0.5% Min: Pyrrhotite>>											
<<Min: 133.4 - 135.6 1% Min: Galena>>											
<<Min: 133.4 - 135.6 0.5% Min: Chalcopyrite>>											
<<Alt: 133.4 - 135.6 Weak Calcite>>											
135.60	**140.20**	**OK Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	135.60	136.20	0.60	B00292223	2.5	110	0.28	3.73	5.6
135.6 - 140.2: Massive laminated PY+SP+/-GL with local blebby CP+PO+/-SP. ~20% SI+CA+/-BA gangue patches.											
<<Min: 135.6 - 140.2 3% Min: Sphalerite>>			136.20	137.20	1.00	B00292224	1.91	138	0.2	4.61	6.54
<<Min: 135.6 - 140.2 60% Min: Pyrite>>			137.20	138.20	1.00	B00292225	2.7	164	0.22	5.01	8.22
<<Min: 135.6 - 140.2 1% Min: Magnetite>>			138.20	139.20	1.00	B00292226	2.93	164	0.13	4.2	6.48
<<Min: 135.6 - 140.2 1% Min: Galena>>			139.20	140.20	1.00	B00292227	4.89	208	0.32	3.79	4.79
<<Min: 135.6 - 140.2 2% Min: Chalcopyrite>>											
<<Min: 135.6 - 140.2 2% Min: Barite>>											
<<Alt: 135.6 - 140.2 Moderate Calcite>>											
<<Struc: 136.46 - 136.47 Weak-Moderate dominant foliation>>											
140.20	**146.90**	**RHYv Rhyolite volcaniclastic**	140.20	141.70	1.50	B00292228	0.031	4.6	-0.01	0.09	0.11
140.2 - 146.9: Strongly MU-altered unit with similar blebby CA texture to MAFi, but also closely resembles RHYvl… Local disseminated BI and QZ. Very hard to determine whether it is altered RHYvl or MAFi. Maybe trace element geochemistry can help?											
<<Min: 140.2 - 163.2 1% Min: Pyrite>>			141.70	142.90	1.20	B00292229	0.014	1.6	-0.01	0.03	0.04
<<Alt: 140.2 - 146.9 Strong Muscovite>> Pervasive MU alteration, may be OR near upper contact due to hydrothermal alteration associated with MXSX and OP for the majority of unit due to alteration associated with RHYi???			142.90	143.90	1.00	B00292231	0.006	0.3	-0.01	-0.01	0.02
<<Struc: 144.2 - 145 Weak Fault>>			143.90	145.40	1.50	B00292232	0.006	0.6	-0.01	-0.01	0.02
<<Struc: 146.3 - 146.4 Weak-Moderate Fault>>			145.40	146.90	1.50	B00292233	-0.005	0.9	-0.01	-0.01	-0.01
146.90	**147.50**	**RHYi Aphanitic Rhyolite (intrusion)**	146.90	147.50	0.60	B00292234	0.005	1.2	-0.01	-0.01	-0.01
<<Vein: 147 - 147.5 10% Quartz>> Minor QZ-veining. Appears to be cross-cut by contact at 147.5 m											
147.50	**149.60**	**RHYv Rhyolite volcaniclastic**	147.50	148.60	1.10	B00292235	-0.005	0.5	-0.01	-0.01	-0.01
147.5 - 149.6: Strongly MU-altered unit with similar blebby CA texture to MAFi, but also closely resembles RHYvl… Local disseminated BI and QZ. Very hard to determine whether it is altered RHYvl or MAFi. Maybe trace element geochemistry can help?											

From (m)	To (m)	Rocktype & Description
		<<Alt: 147.5 - 149.6 Strong Muscovite>> OP alteration of unit due to alteration associated with RHYi???
149.60	**152.00**	**RHYi Aphanitic Rhyolite (intrusion)**
		<<Alt: 149.6 - 152 Moderate Muscovite>> OP alteration of unit due to alteration associated with RHYi???
152.00	**153.40**	**RHY undifferentiated rhyolite**
		152 - 153.4: Strongly MU-altered unit with similar blebby CA texture to MAFi, but also closely resembles RHYvl… Local disseminated BI and QZ. Very hard to determine whether it is altered RHYvl or MAFi. Maybe trace element geochemistry can help?
		<<Alt: 152 - 153.4 Strong Muscovite>> OP alteration of unit due to alteration associated with RHYi???
153.40	**155.10**	**RHYi Aphanitic Rhyolite (intrusion)**
		<<Alt: 153.4 - 155.1 Moderate Muscovite>> OP alteration of unit due to alteration associated with RHYi???
155.10	**156.90**	**RHY undifferentiated rhyolite**
		155.1 - 156.9: Strongly MU-altered unit with similar blebby CA texture to MAFi, but also closely resembles RHYvl… Local disseminated BI and QZ. Very hard to determine whether it is altered RHYvl or MAFi. Maybe trace element geochemistry can help?
		<<Alt: 155.1 - 156.9 Strong Muscovite>> OP alteration of unit due to alteration associated with RHYi???
156.90	**161.10**	**RHYi Aphanitic Rhyolite (intrusion)**
		<<Alt: 156.9 - 161.1 Moderate Muscovite>> OP alteration of unit due to alteration associated with RHYi???
		<<Vein: 160.6 - 161 25% Quartz-Carbonate 45 deg. >> QZ-CA veining in RHYi
		<<Struc: 159 - 161.2 Moderate Fault>> Moderate faulting of RHYi and RHY with local brecciated texture with RHYi clasts in sericitic matrix
161.10	**163.20**	**RHY undifferentiated rhyolite**
		161.1 - 163.2: Strongly MU-altered unit with similar blebby CA texture to MAFi, but also closely resembles RHYvl… Local disseminated BI and QZ. Very hard to determine whether it is altered RHYvl or MAFi. Maybe trace element geochemistry can help?
		<<Alt: 161.1 - 163.2 Strong Muscovite>> OP alteration of unit due to alteration associated with RHYi???
		<<Struc: 161.66 - 161.67 Moderate dominant foliation>>
163.20	**198.00**	**FLZ Fault Zone**
		163.2 - 198: Sunda Fault: Intensely faulted zone dominated by fault gouge, with sericite, chlorite, silica, and carbonaceous components. Polylithic clasts include RHYi, MDS, MXSX, RHY, and MAFi.
		<<Min: 163.2 - 198 2% Min: Pyrite>> Local clasts of PY-rich rocks
		<<Alt: 163.2 - 198 Trace Calcite>>
		<<Struc: 163.2 - 198 Intense Fault>> Intense polytlithic fault breccia with gouge matrix. Locally clasts of RHYi and MDSc occur as larger blocks ranging from 40 cm to 1.5 m in size.

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
148.60	149.60	1.00	B00292236	-0.005	0.6	-0.01	-0.01	-0.01
149.60	150.60	1.00	B00292237	0.009	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 %
End of Hole @ 198											