EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-371

Prospect:	Infrastructure	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Rob Duncan
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	6/26/2016
UTM Easting	414945.096	Core Size:	HQ3	Azimuth:	210	Date Logging Complete:	6/26/2016
UTM Northing:	6814957.742	Casing Pulled?:	Yes	Dip:	-45	Drill Company:	Hytech
UTM Elev. (m):	1388.696	Casing Depth (m):	18	Length (m):	117	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	6/21/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	6/23/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Geotech
Comments:						Parent Hole:	

K16-371 is designed to provide detailed geotechnical information for the pit wall at Krakatoa.
K16-371 intersected the expected package of RHYi amd MAFi rock units followed by muscovite altered RHYv from 75.22 - 97.88m above another MAFi unit from 97.88 - 100.55m. Below this, an interval of OB style mineralization was intersected from 100.55 - 100.73m and is interpreted to be equivalent to the Krakatoa Lower lens. Beneath this mineralization, RHYc with 5% PY was intersected until the E.O.H at 117m.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	208.6	1.4	210	TN14	Dillon Hume	6/21/2016		☑	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
28.5	-45.6	191.2	22.1	213.3	ReflexEZS	Hytech	6/21/2016	5746	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
52.5	-46.5	191.2	22.1	213.3	ReflexEZS	Hytech	6/22/2016	5713	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
76.5	-46.6	192.1	22.1	214.2	ReflexEZS	Hytech	6/23/2016	5725	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
100.5	-47.2	191.6	22.1	213.7	ReflexEZS	Hytech	6/23/2016	5723	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
117	-47.4	190.5	22.1	212.6	ReflexEZS	Hytech	6/23/2016	5733	☑	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	**21.34**	**OVBN Overburden**									
21.34	**22.70**	**RHYi Aphanitic Rhyolite (intrusion)**									
21.34 - 22.7: possible narrow silicificed RHYva as well, broken core											

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

22.70 34.40 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

<<Min: 22.7 - 23.1 0.5% Min: Pyrite>>

<<Min: 32.1 - 34.4 0.5% Min: Pyrrhotite>>

<<Alt: 22.7 - 23.5 Moderate-Strong Muscovite>> contact effects from RHYi

<<Alt: 22.7 - 25.3 Moderate-Strong Calcite>>

<<Alt: 25.3 - 32.25 Weak-Moderate Calcite>>

<<Alt: 32.25 - 34.4 Moderate-Strong Calcite>>

<<Vein: 23.4 - 23.5 100% Calcium carbonate/Carbonate 80 deg. >> Massive deformed calcite vein

<<Struc: 24.5 - 29 dominant foliation>>

34.40 38.80 RHYc Rhyolite coherant volcanics

34.4 - 38.8: Almost white, close to possible RHYi, very rhythmic bands.

<<Min: 34.4 - 38.8 0.5% Min: Pyrite>>

<<Min: 34.4 - 38.8 0.1% Min: Pyrrhotite>>

<<Alt: 34.4 - 38.8 Weak-Moderate Muscovite>> foliation planes between RHYc silicic bands

<<Struc: 35 - 38 dominant foliation>>

38.80 39.09 RHYi Aphanitic Rhyolite (intrusion)

<<Alt: 38.8 - 41.75 Moderate Silicification>> silicified by RHYi

39.09 41.75 RHYva Coarse grained to ash tuff FG

39.09 - 41.75: fine grained homogenious, silicified by RHYi

<<Min: 40 - 40.5 1% Min: Pyrite>> in one silica band 4mm wide

41.75 47.95 RHYi Aphanitic Rhyolite (intrusion)

41.75 - 47.95: with sulphide facture network

<<Min: 41.75 - 47.95 1% Min: Sphalerite>>

<<Min: 41.75 - 47.95 4% Min: Pyrite>>

<<Alt: 47.5 - 49.95 Moderate Silicification>> silicified by RHYi

<<Alt: 47.5 - 49.95 Weak Muscovite>>

<<Struc: 46.5 - 47.5 dominant foliation>>

47.95 49.95 RHYvl Lapilli tuff

47.95 - 49.95: silicified by surrounding RHYi

<<Alt: 48.5 - 48.65 Moderate Calcite>>

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

49.95 50.70 RHYi Aphanitic Rhyolite (intrusion)

<<Min: 49.95 - 50.7 1% Min: Sphalerite>>

<<Min: 49.95 - 50.7 4% Min: Pyrite>>

50.70 53.70 RHYvl Lapilli tuff

50.7 - 53.7: lower contact becoming more ashy

<<Min: 52 - 55.7 0.5% Min: Sphalerite>> with py

<<Min: 52 - 55.7 3% Min: Pyrite>> and bands

<<Alt: 50.7 - 53.7 Weak-Moderate Silicification>> silicified by RHYi

53.70 54.60 RHYi Aphanitic Rhyolite (intrusion)

54.60 56.72 RHYv Rhyolite volcaniclastic

<<Alt: 54.6 - 56.72 Weak-Moderate Silicification>> silicified by RHYi

<<Struc: 55 - 57 dominant foliation>>

56.72 75.22 RHYi Aphanitic Rhyolite (intrusion)

<<Min: 58 - 74.5 1% Min: Sphalerite>> with py

<<Min: 58 - 74.5 4% Min: Pyrite>>

<<Struc: 60 - 70 dominant foliation>>

75.22 97.88 RHYv Rhyolite volcaniclastic

75.22 - 97.88: frequent ashy sections. Rare lapilli like 97.60 - 97.88
Possible Rhyi 79.35 - 79.50m

<<Min: 79 - 85 2% Min: Pyrite>> and weak 3mm bands with silica

<<Min: 86 - 94.5 3% Min: Pyrite>> and weak 3mm bands with silica

<<Min: 94 - 94.5 1% Min: Pyrrhotite>>

<<Min: 94.5 - 97.88 4% Min: Pyrite>> and dis

<<Alt: 75.22 - 79.6 Weak Silicification>> silicified by RHYi

<<Alt: 76 - 81 Weak Calcite>>

<<Alt: 81 - 85.5 Weak-Moderate Muscovite>> increasing around 5cm flt gouges

<<Alt: 85.8 - 86.3 Moderate Muscovite>>

<<Alt: 85.8 - 94.5 Weak-Moderate Calcite>>

<<Alt: 86.3 - 94.5 Weak-Moderate Muscovite>>

<<Alt: 94.5 - 97.88 Moderate Muscovite>>

<<Vein: 78.02 - 78.09 100% Quartz 80 deg. >> qtz vein foliaform

<<Struc: 81 - 82.5 Weak-Moderate Fault>> variable alpha 40 - 70

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Struc: 93.5 - 94.5 dominant foliation>>									
		<<Struc: 95.2 - 96.1 Weak Fault>> weak broken zones with minor mu gouge									
97.88	**100.55**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	100.23	100.73	0.50	D00005522	0.398	42.9	0.14	0.28	0.48
		<<Min: 100.45 - 100.5 0.5% Min: Pyrite>>									
		<<Alt: 97.88 - 100.55 Strong Calcite>>									
		<<Alt: 98.6 - 100.55 Moderate Chlorite>> texture destructive, colour change as bands									
		<<Struc: 99 - 99.5 dominant foliation>>									
100.55	**100.73**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite** **FMG**									
		<<Min: 100.55 - 100.73 10% Min: Sphalerite>>									
		<<Min: 100.55 - 100.73 70% Min: Pyrite>>									
		<<Min: 100.55 - 100.73 2% Min: Galena>>									
		<<Min: 100.55 - 100.73 1% Min: Chalcopyrite>>									
		<<Alt: 100.55 - 100.73 Weak-Moderate Calcite>>									
100.73	**117.00**	**RHYc** **Rhyolite coherant volcanics**									
		100.73 - 117: rare RHYcw textures @ 101 - 102 m,107m and 115 - 117m									
		<<Min: 100.73 - 117 5% Min: Pyrite>> as deformed foliaform bands with silica and dissem in Rhyc									
		<<Min: 113 - 117 0.5% Min: Sphalerite>> with PY									
		<<Alt: 100.73 - 117 Weak Muscovite>> foliation planes patchy									
		<<Struc: 107 - 112 dominant foliation>>									
		<<Struc: 112.5 - 113.85 Moderate Fault>>									
End of Hole @ 117											