EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-345

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:	5/18/2016
UTM Easting	415033.3496	Core Size:	HQ3	Azimuth:	11.03	Date Logging Complete:	5/19/2016
UTM Northing:	6814949.7885	Casing Pulled?:	Yes	Dip:	-55	Drill Company:	Hytech
UTM Elev. (m):	1387.207	Casing Depth (m):	36	Length (m):	90.5	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	5/16/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	5/18/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Metallurgical
						Parent Hole:	

Comments:

The purpose of the DDH was to obtain a metallurgical sample from the Krakatoa upper lens.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-55	9.63	1.4	11.03	APS	Rob Duncan	5/16/2016		☑	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
42	-55.8	350.4	22.1	12.5	ReflexEZS	Hytech	5/17/2016	5876	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
48	-54.4	4	22.1	26.1	ReflexEZS	Hytech	5/17/2016	5786	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
69	-58	350.9	22.1	13	ReflexEZS	Hytech	5/17/2016	5816	☑	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
90.5	-59	348.6	22.1	10.7	ReflexEZS	Hytech	5/18/2016	5888	☑	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	**38.70**	**OVBN Overburden**									
38.70	**54.38**	**RHYcw Curdy textured-flow banded (flows, subvolcanics)**	44.30	46.10	1.80	B00291328	0.013	0.5	-0.01	-0.01	0.01
<<Min: 38.7 - 44 2% Min: Pyrite>>			46.10	48.00	1.90	B00291329	0.019	1.9	-0.01	0.04	0.03
<<Min: 44 - 54.38 0.1% Min: Sphalerite>>		in blebs with pyrite.	48.00	48.70	0.70	B00291331	0.012	0.7	-0.01	0.02	0.03
<<Min: 44 - 54.38 3% Min: Pyrite>>		and diss	48.70	49.90	1.20	B00291332	0.01	1.1	-0.01	0.02	0.03
<<Min: 44 - 54.38 0.1% Min: Arsenopyrite>>			49.90	51.00	1.10	B00291333	0.012	0.9	-0.01	0.02	0.06
<<Alt: 38.7 - 54.35 Strong Muscovite>>		Sericite partings	51.00	52.50	1.50	B00291334	0.016	1.6	-0.01	0.04	0.1
<<Alt: 38.7 - 54.35 Weak Calcite>>		blebs, diss, bands	52.50	53.70	1.20	B00291335	0.023	5.3	-0.01	0.07	0.12

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Alt: 54.35 - 57 Moderate Calcite>>			53.70	54.38	0.68	B00291336	0.037	6.3	-0.01	0.03	0.03
<<Struc: 38.7 - 46 Moderate-Strong dominant foliation>>											
<<Struc: 48 - 48.7 Weak Fault>>											
<<Struc: 51 - 51.8 Moderate-Strong dominant foliation>>											
<<Struc: 54.28 - 54.33 Weak-Moderate Fault>> shear at sulfide contact											
<<Struc: 54.3 - 54.45 Strong Contact>>											
54.38	**57.00**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite** **FMG**	54.38	54.99	0.61	B00291337	1.51	291	0.14	3.11	10.1
54.38 - 57: Homogonous unit. Sharp upper and lower contacts at 40 deg, parallel to foliation and mineral banding.											
<<Min: 54.38 - 57 15% Min: Sphalerite>>			54.99	56.00	1.01	B00291338	2.24	426	0.18	4.57	11.2
<<Min: 54.38 - 57 65% Min: Pyrite>>			56.00	57.00	1.00	B00291339	1.25	375	0.02	5.07	10.4
<<Min: 54.38 - 57 3% Min: Galena>>											
<<Struc: 54.5 - 55 Weak-Moderate Foliation>> mineral banding											
<<Struc: 55 - 56.9 Weak-Moderate Foliation>> mineral banding											
<<Struc: 56.95 - 57 Strong Contact>>											
57.00	**62.32**	**RHYcw** **Curdy textured-flow banded (flows, subvolcanics)**	57.00	58.50	1.50	B00291342	0.008	2.4	-0.01	0.03	0.02
57 - 62.32: 57.00-58.92: RHY, altered - possibly ash tuff.											
<<Min: 57 - 65.76 0.5% Min: Pyrite>>			58.50	60.00	1.50	B00291343	0.012	4.4	-0.01	0.06	-0.01
<<Min: 60.8 - 62.32 0.1% Min: Sphalerite>> and as rare blebs			60.00	61.50	1.50	B00291344	0.014	6.8	-0.01	0.03	-0.01
<<Alt: 57 - 62.32 Moderate-Strong Muscovite>> sericite partings			61.50	62.32	0.82	B00291345	0.061	37.2	-0.01	0.05	-0.01
<<Alt: 57 - 90.5 Moderate-Strong Calcite>>											
<<Vein: 58.83 - 59 100% Quartz-Carbonate 50 deg. >>											
<<Struc: 57 - 58.8 Weak Fault>> missing core due to fault - shear at lower sulfide contact.											
<<Struc: 58 - 58.8 Moderate dominant foliation>>											
<<Struc: 59.5 - 61.5 Moderate dominant foliation>>											
62.32	**64.08**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	62.32	63.55	1.23	B00291346	0.017	2	0.02	0.01	-0.01
62.32 - 64.08: Bleached and sericite altered with diss and blebby arsenopyrite, unmineralized fresher biotite rich section from 63.55-63.93m.											
<<Min: 62.32 - 63.55 0.1% Min: Chalcopyrite>>			63.55	64.08	0.53	B00291347	-0.005	-0.3	-0.01	-0.01	0.02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 62.32 - 63.55 3% Min: Arsenopyrite>> and as diss									
		<<Min: 63.55 - 90.5 0.01% Min: Pyrite>>									
		<<Alt: 62.32 - 65.76 Moderate Muscovite>> dense sericite									
		<<Alt: 63.55 - 63.93 Moderate-Strong Biotite>>									
		<<Struc: 62.5 - 63.2 Moderate dominant foliation>>									
		<<Struc: 63.2 - 63.5 Moderate dominant foliation>>									
		<<Struc: 64 - 66 Weak Fault>> broken core and missing core - possible fault zone.									
64.08	**65.76**	**RHYcw Curdy textured-flow banded (flows, subvolcanics)**	64.08	65.76	1.68	B00291348	0.008	3.2	-0.01	0.03	-0.01
		64.08 - 65.76: Thin band of RHYcw, unit includes pieces of sericite altered and bleached MAFi.									
65.76	**80.00**	**MAFi Mafic Intrusions (primarily footwall mafic intrusion)**									
		<<Min: 79.95 - 80.5 0.01% Min: Chalcopyrite>>									
		<<Min: 79.95 - 80.5 0.1% Min: Arsenopyrite>>									
		<<Alt: 65.76 - 80 Moderate-Strong Biotite>>									
		<<Alt: 65.76 - 90.5 Moderate Chlorite>>									
		<<Vein: 79.95 - 81.53 50% Quartz-Carbonate 12 deg. >> trace blebs arsenopyrite and chacopyrite at upper contact									
		<<Struc: 66 - 67.5 Weak-Moderate Vein>> thin calcite veins									
		<<Struc: 66.2 - 67 Weak dominant foliation>> minor fold?									
		<<Struc: 68.5 - 69.5 Weak dominant foliation>>									
		<<Struc: 71 - 73 Weak-Moderate dominant foliation>>									
		<<Struc: 79.95 - 81.93 Weak-Moderate Vein>>									
80.00	**90.50**	**MAFi Mafic Intrusions (primarily footwall mafic intrusion)**									
		<<Vein: 84.5 - 89.33 5% Calcite 10 deg. >>									
		<<Struc: 81.6 - 84 Weak-Moderate dominant foliation>>									
		<<Struc: 83 - 88.5 Weak-Moderate Vein>>									
		<<Struc: 87 - 89.6 Weak-Moderate dominant foliation>>									
		<<Struc: 89 - 89.1 Weak-Moderate Vein>>									
		<<Struc: 89.6 - 90.5 Weak-Moderate dominant foliation>>									

End of Hole @ 90.5