

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-350

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Jerome de Pasquale	
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	5/24/2016	
UTM Easting	414937.0643	Core Size:	HQ3	Azimuth:	354.79	Date Logging Complete:	5/31/2016	
UTM Northing:	6815043.5229	Casing Pulled?:	Yes	Dip:	-72	Drill Company:	Hytech	
UTM Elev. (m):	1384.367	Casing Depth (m):	21	Length (m):	247.6	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	5/22/2016	
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	5/27/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Resource Definition	
Comments:							Parent Hole:	

K16-350 was collared to test Krakatoa upper lens in proximity to east fault.
 Hole K16-50 is made up of upper volcanoclastic rhyolite sequence following by a mafic sill and lower felsic sequence. The upper lens is intercepted within the mafic sill from 105.40m to 113.21m. Mineralization consists in OB, OJ and OI domains (PY/SP/GL/minor CP and PO, trace of AS).
 The contact between the mafic sill and the lower rhyolitic sequence is marked by a fault breccia zone from 152.30m to 155.20m. Two graphitic silicified mudstones are observed underneath the fault and may represent potential marker units.
 The bottom of the hole consists in highly fractured to faulted volcanoclastic units.
 Hole K16-350 ends at 247.6m on a distinctive feldspar porphyry quartz eyes unit.
 The main lens has not been intercepted.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-72	353.39	1.4	354.79	APS	Jerome de Pasquale	5/22/2016		<input checked="" type="checkbox"/>	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
27	-73.4	338.7	22.1	0.8	ReflexEZS	Hytech	5/23/2016	5871	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
51	-74.1	337.2	22.1	359.3	ReflexEZS	Hytech	5/23/2016	5779	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
75	-74.8	336.6	22.1	358.7	ReflexEZS	Hytech	5/23/2016	5780	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
102	-76	333.6	22.1	355.7	ReflexEZS	Hytech	5/24/2016	5781	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
129	-76.6	332.7	22.1	354.8	ReflexEZS	Hytech	5/24/2016	5787	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
154	-77.2	333.6	22.1	355.7	ReflexEZS	Hytech	5/24/2016	5760	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
177	-77.7	326.8	22.1	348.9	ReflexEZS	Hytech	5/24/2016	5764	<input checked="" type="checkbox"/>	Fault zone from 152m to 155m. Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
201	-78.7	320.7	22.1	342.8	ReflexEZS	Hytech	5/26/2016	5780	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
225	-79	313.1	22.1	335.2	ReflexEZS	Hytech	5/26/2016	5766	<input checked="" type="checkbox"/>	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
241.5	-79	309	22.1	331.1	ReflexEZS	Hytech	5/26/2016	5757	<input checked="" type="checkbox"/>	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	21.00	OVBN Overburden									
0 - 21: Feldspar porphyry boulder and bulk QZ vein.											
21.00	29.23	RHYv Rhyolite volcanoclastic	26.60	28.00	1.40	B00291411	-0.005	-0.3	-0.01	-0.01	0.02
21 - 29.23: Strong thin foliation, shallow angle, altered muscovite. Fault gouge from 27.88m to 28.30m.											
<<Min: 21 - 29.23 0.5% Min: Pyrite>>											
<<Min: 21 - 29.23 1% Min: Pyrrhotite>> Foliation oriented.											
<<Alt: 24.5 - 31 Weak-Moderate Muscovite>>											
<<Struc: 25.4 - 25.41 dominant foliation>>											
<<Struc: 27.88 - 28.3 Weak-Moderate Fault>> Fault gouge. Light grey clay.											
29.23	30.24	OI Heavily disseminated sulphides in host schist	29.23	30.24	1.01	B00291413	0.056	1.3	-0.01	0.02	-0.01
29.23 - 30.24: Rhyolite PY rich,											
<<Min: 29.23 - 30.21 25% Min: Pyrite>>											
<<Min: 30.21 - 31.1 0.5% Min: Pyrite>>											
<<Min: 30.21 - 31.1 2% Min: Pyrrhotite>>											
30.24	31.10	RHY undifferentiated rhyolite	30.24	31.10	0.86	B00291414	-0.005	-0.3	-0.01	-0.01	0.01
30.24 - 31.1: Possibly coherent rhyolite fragmented. PY/PO disseminated.											
31.10	32.10	OI Heavily disseminated sulphides in host schist	31.10	32.10	1.00	B00291415	0.005	1.1	-0.01	0.01	0.14
31.1 - 32.1: PY rich rhyolite. Specks of tourmaline.											
<<Min: 31.1 - 32.1 2% Min: Pyrite>>											
<<Min: 31.1 - 32.1 15% Min: Pyrrhotite>>											
32.10	34.24	RHY undifferentiated rhyolite	32.10	33.00	0.90	B00291416	-0.005	-0.3	-0.01	-0.01	0.01
32.1 - 34.24: Possibly RHYc fractured.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 32.1 - 34.27	0.5% Min: Pyrite>>		33.00	34.24	1.24	B00291417	-0.005	-0.3	-0.01	-0.01	-0.01
<<Min: 32.1 - 34.27	2% Min: Pyrrhotite>>										
<<Struc: 32.2 - 32.21	dominant foliation>>										
34.24	37.80	OI Heavily disseminated sulphides in host schist	34.24	35.45	1.21	B00291418	0.05	1.1	-0.01	-0.01	-0.01
34.24 - 37.8: PY rich rhyolite, wavy veining.											
<<Min: 34.27 - 37.8	10% Min: Pyrite>>		35.45	36.00	0.55	B00291419	0.08	1	-0.01	0.01	-0.01
<<Min: 34.27 - 37.8	1% Min: Pyrrhotite>>		36.00	37.00	1.00	B00291421	0.045	0.9	-0.01	-0.01	0.02
			37.00	37.80	0.80	B00291422	0.014	0.7	-0.01	0.01	0.05
37.80	39.60	RHYv Rhyolite volcanoclastic	37.80	39.00	1.20	B00291423	-0.005	0.7	-0.01	-0.01	0.01
37.8 - 39.6: Foliated, progressive lower contact.											
<<Min: 37.8 - 39.6	1% Min: Pyrite>>		39.00	39.60	0.60	B00291424	0.03	0.3	-0.01	-0.01	0.02
<<Min: 37.8 - 39.8	0.5% Min: Pyrrhotite>>										
39.60	41.77	MDSc Carbonaceous dominant mudstone	39.60	40.50	0.90	B00291425	0.033	0.6	-0.01	-0.01	0.14
39.6 - 41.77: Graphitic mudstone, non calcareous. Wavy bands deformed, crenulated, feldspar (?). Locally unfoliated. Progressive lower contact. Late PY.											
<<Min: 39.6 - 41.77	5% Min: Pyrite>>	Late PY.									
<<Min: 39.6 - 41.77	0.5% Min: Pyrrhotite>>										
<<Struc: 40 - 40.01	dominant foliation>>										
41.77	43.48	MDSw Coherent rhyolite flow with carbonaceous content									
41.77 - 43.48: Mudstone bands locally. Deformed and fractured at lower contact.											
<<Min: 41.77 - 43.48	0.5% Min: Pyrite>>										
<<Min: 41.77 - 43.48	0.5% Min: Pyrrhotite>>										
43.48	45.60	MDSc Carbonaceous dominant mudstone									
43.48 - 45.6: Late PY rich, wavy foliation, gouge at lower contact.											
<<Min: 43.48 - 45.6	5% Min: Pyrite>>	Late PY.									
<<Min: 43.48 - 45.6	0.5% Min: Pyrrhotite>>										
<<Struc: 45.5 - 45.6	Weak-Moderate Fault>>	Fault gouge at contact between graphitic mudstone and rhyolite unit.									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
45.60	51.50	RHYv Rhyolite volcanoclastic	49.90	51.50	1.60	B00291426	0.007	0.6	-0.01	-0.01	0.03
45.6 - 51.5: Muscovite altered rhyolite, few PY veins or aggregated, foliated, disaggregated at lower contact, narrow fault gouge zone. <<Min: 45.6 - 60.53 1% Min: Pyrite>> <<Min: 45.6 - 60.53 0.5% Min: Pyrrhotite>> <<Min: 45.6 - 60.53 0.1% Min: Arsenopyrite>> <<Alt: 47.7 - 55.5 Moderate Muscovite>> <<Struc: 45.7 - 45.71 dominant foliation>> <<Struc: 48 - 48.7 Weak Fault>> Multiple minor faults with gouge. <<Struc: 48.9 - 48.91 dominant foliation>>											
51.50	53.30	RHY undifferentiated rhyolite	51.50	52.60	1.10	B00291427	0.007	0.7	-0.01	-0.01	-0.01
51.5 - 53.3: Interval includes 25 cm of QZ vein. Light grey clay over 70 cm. <<Vein: 52.7 - 52.9 Quartz>> QZ vein, CA in fracture. In fault zone. <<Struc: 51.5 - 53.4 Moderate-Strong Fault>> Fault gouge.											
53.30	54.00	RHYv Rhyolite volcanoclastic	53.30	54.00	0.70	B00291429	0.011	2	-0.01	-0.01	0.01
53.3 - 54: Bleached texture.											
54.00	54.70	RHY undifferentiated rhyolite	54.00	54.70	0.70	B00291431	0.01	1.9	-0.01	-0.01	0.01
54 - 54.7: Light grey fault gouge. <<Struc: 54 - 59.7 Moderate Fault>> Fractured, altered CL, up to 35 c of gouge.											
54.70	60.53	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	54.70	55.60	0.90	B00291432	0.014	2.9	-0.01	0.03	0.05
54.7 - 60.53: Strongly CL altered mafic sill, sheared locally. <<Min: 59.4 - 59.7 0.1% Min: Pyrrhotite>> <<Min: 60.52 - 61.6 1% Min: Sphalerite>> <<Min: 60.52 - 61.6 0.5% Min: Galena>> <<Alt: 54.7 - 61.6 Moderate-Strong Calcite>> <<Alt: 55.5 - 58.5 Strong Chlorite>> <<Alt: 58.5 - 69.9 Strong Chlorite>> <<Struc: 59.9 - 59.91 dominant foliation>> In sheared zone <<Struc: 60.35 - 62.3 Strong Fault>> Including MxSx. Sheared, gouge.											
			55.60	56.50	0.90	B00291433	0.051	21.9	0.03	0.25	0.62
			56.50	57.30	0.80	B00291434	-0.005	0.4	-0.01	-0.01	0.03
			57.30	58.40	1.10	B00291435	0.091	16.9	0.05	0.19	0.35
			58.40	59.70	1.30	B00291436	0.064	17.4	0.09	0.18	0.28
			59.70	60.53	0.83	B00291437	0.01	1.7	0.02	0.02	0.06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
60.53	61.60	OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite	60.53	61.60	1.07	B00291438	0.324	58.7	0.04	0.65	3.72
60.53 - 61.6: Including MAFi gouge from 60.82m to 61.30m. MxSx in fault zone.											
<<Min: 60.53 - 61.6 50% Min: Pyrite>>											
61.60	62.71	FLZ Fault Zone	61.60	62.71	1.11	B00291439	0.178	23.8	0.08	0.3	1.53
61.6 - 62.71: Sheared mafic sill containing 20 percent of disseminated to semi massive sulfides, could be interpreted as OI.											
<<Min: 61.6 - 62.71 10% Min: Pyrite>> Wispy to semi massive. In fault .											
<<Alt: 61.6 - 62.71 Weak Calcite>>											
62.71	69.90	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	62.71	64.00	1.29	B00291441	0.03	1.9	0.01	0.02	0.13
62.71 - 69.9: Texture obscured. Large late PY porphyroblasts from 64.70m to 65.70m. Interval includes CA vein from 66.50m to 66.75m. Locally sheared.											
<<Min: 63.5 - 65.7 1% Min: Pyrrhotite>> Foliation oriented.											
<<Min: 64.6 - 65.2 3% Min: Pyrite>> Late PY, euhedral (up to 2 cm wide), oriented along the foliation.											
<<Alt: 62.71 - 67.86 Moderate Calcite>>											
<<Alt: 67.86 - 69.9 Weak Calcite>>											
<<Vein: 66.5 - 66.75 Calcite>> CA vein.											
<<Struc: 65.2 - 69.9 Moderate-Strong Shear>> Gouge locally, disturbed schistosity.											
<<Struc: 67 - 67.01 dominant foliation>> In sheared zone											
69.90	104.39	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	69.90	70.80	0.90	B00291447	0.007	-0.3	-0.01	-0.01	0.02
69.9 - 104.39: Low BI content, CA/CL.											
<<Min: 69.9 - 105.4 0.1% Min: Pyrrhotite>>											
<<Alt: 69.9 - 99.4 Moderate Calcite>>											
<<Alt: 99.4 - 104.39 Strong Calcite>>											
<<Struc: 75.4 - 75.41 dominant foliation>>											
<<Struc: 81.05 - 81.06 dominant foliation>>											
<<Struc: 92.8 - 92.81 dominant foliation>>											
<<Struc: 98.6 - 98.61 dominant foliation>>											
<<Struc: 103.95 - 103.96 dominant foliation>>											
70.80	72.00		70.80	72.00	1.20	B00291448	-0.005	-0.3	-0.01	-0.01	0.01
95.00	96.00		95.00	96.00	1.00	B00291449	0.007	-0.3	-0.01	-0.01	0.01
96.00	97.00		96.00	97.00	1.00	B00291451	-0.005	-0.3	0.01	-0.01	0.01
97.00	98.00		97.00	98.00	1.00	B00291452	-0.005	-0.3	-0.01	-0.01	0.01
98.00	99.00		98.00	99.00	1.00	B00291453	-0.005	-0.3	0.01	-0.01	0.01
99.00	100.00		99.00	100.00	1.00	B00291454	-0.005	-0.3	-0.01	-0.01	0.01
100.00	101.00		100.00	101.00	1.00	B00291455	-0.005	-0.3	-0.01	-0.01	0.01
101.00	102.00		101.00	102.00	1.00	B00291456	0.01	0.7	-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 %
			102.00	103.00	1.00	B00291457	0.006	0.9	-0.01	-0.01	0.02
			103.00	103.75	0.75	B00291458	0.051	6.2	-0.01	0.08	-0.01
			103.75	104.39	0.64	B00291459	0.11	10.4	0.01	0.05	-0.01
			104.39	105.40	1.01	B00291461	0.667	82.6	0.04	0.61	1.83
104.39	105.40	RHYv Rhyolite volcanoclastic									
104.39 - 105.4: Could be strongly altered MAFi, CA content drop dramatically from strong to no CA at 104.39m.											
<<Alt: 104.39 - 113.45 Moderate Muscovite>>											
105.40	106.73	OB Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite									
			105.40	106.10	0.70	B00291462	2.55	377	0.13	2.14	9.23
			106.10	106.73	0.63	B00291463	2.48	235	0.25	1.84	5.85
<<Min: 105.4 - 106.73 10% Min: Sphalerite>>											
<<Min: 105.4 - 106.73 70% Min: Pyrite>>											
<<Min: 105.4 - 106.73 0.1% Min: Pyrrhotite>> At lower contact.											
<<Min: 105.4 - 106.73 3% Min: Galena>>											
<<Min: 105.4 - 106.73 0.1% Min: Chalcopyrite>> At lower contact.											
106.73	107.65	OI Heavily disseminated sulphides in host schist									
			106.73	107.65	0.92	B00291464	0.787	99.9	0.52	0.53	1.85
106.73 - 107.65: From 106.86m to 107.22m, OJ-strong to intense CL proximal alteration showing CP stringers).											
<<Min: 106.86 - 107.22 1% Min: Sphalerite>>											
<<Min: 106.86 - 107.22 1% Min: Pyrite>>											
<<Min: 106.86 - 107.22 0.5% Min: Pyrrhotite>>											
<<Min: 106.86 - 107.22 0.1% Min: Galena>>											
<<Min: 106.86 - 107.22 3% Min: Chalcopyrite>>											
<<Min: 106.86 - 107.22 0.1% Min: Arsenopyrite>>											
<<Min: 107.22 - 107.65 1% Min: Sphalerite>>											
<<Min: 107.22 - 107.65 10% Min: Pyrite>>											
<<Min: 107.22 - 107.65 0.1% Min: Galena>>											
<<Alt: 106.86 - 107.22 Strong Chlorite>>											
<<Struc: 107.3 - 108.4 Weak Fault>> Narrow gouge zones, minor .											
107.65	108.70	RHYv Rhyolite volcanoclastic									
			107.65	108.15	0.50	B00291465	0.039	5.4	0.02	0.02	0.04
107.65 - 108.7: Altered MU.											
			108.15	108.70	0.55	B00291466	0.034	2.4	-0.01	0.02	0.02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %			
108.70	110.55	OJ Heavily disseminated sulphides and/or stringer style mineralization in proximal altered rock	108.70	109.22	0.52	B00291467	0.956	96.6	0.47	0.79	2.41			
<<Min: 108.7 - 110.55 5% Min: Sphalerite>> <<Min: 108.7 - 110.55 30% Min: Pyrite>> <<Min: 108.7 - 110.55 0.1% Min: Pyrrhotite>> <<Min: 108.7 - 110.55 1% Min: Galena>> <<Min: 108.7 - 110.55 2% Min: Arsenopyrite>> <<Alt: 108.8 - 112.64 Strong Chlorite>>			109.22	110.05	0.83	B00291468	0.747	104	0.17	1.18	3.58			
			110.05	110.55	0.50	B00291469	0.747	160	0.24	2.13	5.93			
			110.55 111.85 MAFi Mafic Intrusions (primarily footwall mafic intrusion) <<Vein: 111.62 - 111.85 Quartz-Chlorite-Carbonate>> QZ vein including CL (host rock).			110.55	111.18	0.63	B00291471	0.018	3.3	-0.01	0.03	0.14
						111.18	111.85	0.67	B00291472	0.01	1.6	-0.01	0.01	0.08
111.85	113.21	OJ Heavily disseminated sulphides and/or stringer style mineralization in proximal altered rock	111.85	112.64	0.79	B00291473	0.647	104	0.12	1.2	4.81			
111.85 - 113.21: CL and MU alteration. <<Min: 111.85 - 113.21 3% Min: Sphalerite>> <<Min: 111.85 - 113.21 20% Min: Pyrite>> <<Min: 111.85 - 113.21 3% Min: Galena>> <<Min: 111.85 - 113.21 1% Min: Arsenopyrite>>			112.64	113.21	0.57	B00291474	1.64	196	0.11	1.45	3.98			
			113.21 122.02 MAFi Mafic Intrusions (primarily footwall mafic intrusion) 113.21 - 122.02: CL/CA schist. Epidote patch, fine grain BI locally.			113.21	114.02	0.81	B00291475	0.013	3.1	-0.01	0.04	0.1
						114.02	114.98	0.96	B00291476	0.009	0.7	-0.01	-0.01	0.02
			<<Min: 113.21 - 113.45 1% Min: Pyrrhotite>> At contact with mineralized zone. <<Min: 113.45 - 124.12 0.1% Min: Chalcopyrite>> Associated with PO in epidote altered MAFi. <<Min: 113.45 - 126 0.5% Min: Pyrrhotite>> Observed in epidote altered MAFi. <<Alt: 113.21 - 121.7 Moderate Calcite>> <<Alt: 120.12 - 120.73 Moderate Epidote>> Could be original. <<Alt: 121.7 - 144.8 Strong Calcite>>			114.98	116.00	1.02	B00291477	-0.005	0.8	-0.01	-0.01	0.02
116.00	117.00	1.00				B00291478	-0.005	0.5	-0.01	-0.01	0.01			
117.00	118.00	1.00				B00291479	0.006	0.6	-0.01	-0.01	0.01			
118.00	119.00	1.00				B00291481	0.011	0.6	-0.01	-0.01	0.01			
119.00	120.00	1.00				B00291482	0.007	0.5	-0.01	-0.01	0.01			
			120.00	121.00	1.00	B00291483	0.006	0.8	-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 %
122.02	127.24	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	121.00	122.02	1.02	B00291484	0.009	1.1	-0.01	-0.01	0.02
			122.02	123.00	0.98	B00291485	-0.005	0.6	-0.01	-0.01	0.01
<p>122.02 - 127.24: Fine grain CA/BI schist. Low CL.</p> <p><<Min: 126 - 168.75 0.1% Min: Pyrrhotite>></p> <p><<Alt: 122.38 - 144.68 Moderate-Strong Biotite>> Fine grain BI up from 122.38m to 127.24m.</p> <p><<Struc: 123.67 - 123.68 dominant foliation>></p>											
127.24	144.68	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p>127.24 - 144.68: Chlorite altered. Patch of hematite and epidote, frequent narrow fault gouge.</p> <p><<Alt: 132.92 - 141.3 Moderate-Strong Chlorite>></p> <p><<Alt: 138.8 - 139.48 Moderate Epidote>> Could be original.</p> <p><<Struc: 131.3 - 131.31 dominant foliation>></p> <p><<Struc: 132 - 133.8 Weak Shear>> Low intensity shearing in MAFi.</p> <p><<Struc: 137.65 - 137.66 dominant foliation>></p> <p><<Struc: 139.8 - 141.5 Moderate Fault>> Fault gouge.</p>											
144.68	147.20	RHY undifferentiated rhyolite									
<p>144.68 - 147.2: Could strongly muscovite altered MAFi. Gougy upper contact. Muscovite altered, low chlorite, no biotite. Wavy foliation, CA, crenulated. PY/PO.</p> <p><<Alt: 144.68 - 147.2 Moderate Muscovite>></p> <p><<Alt: 144.8 - 152.3 Weak-Moderate Calcite>></p> <p><<Struc: 144.68 - 145.5 Weak-Moderate Fault>> Fault gouge and strongly altered contact between MAFi and probably RHY.</p> <p><<Struc: 145.52 - 145.53 dominant foliation>></p>											
147.20	152.30	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p>147.2 - 152.3: CA/CL schist, strongly altered CL, no biotite.</p> <p><<Alt: 147.2 - 153.45 Strong Chlorite>></p> <p><<Struc: 147.9 - 147.91 dominant foliation>></p> <p><<Struc: 150 - 152.3 Moderate-Strong Shear>> Sheared, disaggregated MAFi.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
152.30	155.20	FLZ Fault Zone 152.3 - 155.2: Brecciated, Subrounded clasts, MU altered, QZ clasts containing GL. Clasts up to 20 cm. Mafic and felsic material in gouge. <<Alt: 152.3 - 201 Weak Calcite>> <<Alt: 153.45 - 162.23 Moderate-Strong Muscovite>> <<Struc: 152.3 - 155.2 Intense Fault>> Polymictic fault /breccia, clasts up to 10 cm wide. QZ containing GL. Strong chlorite alteration. Contact between MAFi and RHY.									
155.20	158.07	RHY undifferentiated rhyolite 155.2 - 158.07: Fragmented rhyolite, sheared, boudinage. <<Struc: 155.2 - 158.3 Moderate-Strong Shear>> Sheared, disaggregated rhyolite, locally brecciated. <<Struc: 156.95 - 156.96 dominant foliation>>									
158.07	158.23	MDSc Carbonaceous dominant mudstone 158.07 - 158.23: Graphitic silicified mudstone containing PO/PY.									
158.23	162.23	RHY undifferentiated rhyolite 158.23 - 162.23: Fragmented rhyolitic schist. <<Struc: 158.3 - 162.23 Moderate Shear>> Sheared to locally brecciated/gougy rhyolite. <<Struc: 160.2 - 160.21 dominant foliation>> <<Struc: 161.3 - 161.31 dominant foliation>>									
162.23	162.85	RHYv Rhyolite volcanoclastic 162.23 - 162.85: Strongly foliated, BI in foliation, light blue, probably carbonaceous material (MDSw).									
162.85	163.50	MDSc Carbonaceous dominant mudstone 162.85 - 163.5: Graphitic silicified mudstone..									
163.50	168.04	RHYv Rhyolite volcanoclastic 163.5 - 168.04: BI in foliation, light blue rhyolite, probably some carbonaceous material (MDSw). Strong crenulation, undulated silicic bands, possible flow.. <<Struc: 165.87 - 165.88 dominant foliation>> Crenulated foliation									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
168.04	171.36	MDSc Carbonaceous dominant mudstone 168.04 - 171.36: Graphitic silicified mudstone. <<Min: 168.75 - 185.7 0.5% Min: Pyrite>> And few in discontinuous veins. <<Min: 168.75 - 185.7 1% Min: Pyrrhotite>> And few patches.									
171.36	177.26	RHYvl Lapilli tuff 171.36 - 177.26: PY/PO in foliation. Mid to high strain. <<Struc: 172.2 - 172.21 dominant foliation>>									
177.26	178.66	RHYvx Quartz and/or feldspar crystal tuff 177.26 - 178.66: Crystal up to 0.5cm,									
178.66	179.95	RHYv Rhyolite volcanoclastic 178.66 - 179.95: MU altered.									
179.95	182.50	RHYvx Quartz and/or feldspar crystal tuff 179.95 - 182.5: Could be porphyroblasts 2 to 5 mm wide. <<Struc: 182.2 - 182.5 Weak Fault>> Fault gouge.									
182.50	188.16	RHYv Rhyolite volcanoclastic 182.5 - 188.16: Altered MU rhyolite, strong foliation, weak CL alteration. <<Min: 185.7 - 194.9 2% Min: Pyrrhotite>> Possibly GL trace associated. <<Min: 185.7 - 247.6 1% Min: Pyrite>> <<Alt: 185.7 - 187.5 Weak-Moderate Muscovite>> <<Alt: 187.5 - 194.9 Weak-Moderate Chlorite>> Lapilli replacement. <<Struc: 185.6 - 185.61 dominant foliation>>									
188.16	194.90	RHYvl Lapilli tuff 188.16 - 194.9: Light green, specks of tourmaline, ashes at lower contact.									
194.90	201.30	RHY undifferentiated rhyolite 194.9 - 201.3: Dominantly coherent rhyolite. Fractured, locally disaggregated rhyolite flow and crystal ash interbedded.									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Min: 194.9 - 247.6 1% Min: Pyrrhotite>> <<Alt: 194.9 - 201 Moderate-Strong Muscovite>> Associated with fractured flow disaggregated. <<Alt: 201 - 244 Weak-Moderate Muscovite>> <<Alt: 201 - 247.6 Trace Calcite>> <<Struc: 198.8 - 201 Weak-Moderate Shear>> Boudinage and breccia in rhyolite flow.</p> <p>201.30 201.62 RHYva Coarse grained to ash tuff 201.3 - 201.62: Fine grain, homogeneous groundmass ash tuff, few PY/PO..</p> <p>201.62 210.40 RHYcw Curdy textured-flow banded (flows, subvolcanics) 201.62 - 210.4: Pseudo fragmental. Pink/orange color from 208.50 to 210.50, could be albitization. Locally flow banded.</p> <p><<Struc: 204.5 - 204.51 dominant foliation>> <<Struc: 207.5 - 218.7 Weak-Moderate Fault>> Multiple narrow fault, one per metre, Locally gouge, highly fractured.</p> <p>210.40 233.00 RHY undifferentiated rhyolite 210.4 - 233: Probably volcanoclastic. Patch of tourmaline, PY clots, few reddish bands (hematite?), locally xtl. Unit fractured and sheared.</p> <p><<Struc: 216.55 - 216.56 >> Dominant shearing/fracture angle. <<Struc: 218.7 - 228 Moderate Fault>> Fractured, sheared and gougy rhyolite. Less the 30 percent of solid rock. <<Struc: 224.5 - 224.51 >> Dominant shearing/fracture angle. <<Struc: 229 - 229.01 dominant foliation>> <<Struc: 232 - 232.01 Vein>> QZ/PY/L vein, offsetted by discordant fracture.</p> <p>233.00 235.20 FLZ Fault Zone 233 - 235.2: Clay matrix, QZ/maybe silicified mudstone containing PY/rhyolite clasts. Dark grey bands (carbonaceous bands relics?).</p> <p><<Struc: 233 - 235.2 Strong Fault>> Fault gouge, clay, QZ clasts and boudinage. Dark gray clay bands (carbonaceous material?). Possibly clasts of PY rich mudstone. <<Struc: 234.2 - 234.21 >> Dominant lamination angle within fault gouge.</p> <p>235.20 247.60 RHYcf Feldspar & feldspar quartz porphyry 235.2 - 247.6: Fractured up 240.50m, locally gouge up to 50 cm, feldspar porphyroblasts (0.5 cm wide), blue QZ eyes. Fine grain ground mass (ash). QZ pods. E.O.H.</p> <p><<Alt: 244 - 247.6 Weak Muscovite>> <<Struc: 237 - 240.5 Moderate Fault>> Less than 50 percent of competent rock. Gougy, highly fracture sericite filled.</p>											

GeoSpark Logger ~ Drill Log

Project:

KZK

Hole Number:

K16-350

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Struc: 239 - 239.01 >> Dominant fracture/shearing angle.											
End of Hole @ 247.6											