

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-392

Prospect:	Infrastructure	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume	
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	7/19/2016	
UTM Easting	414851.539	Core Size:	HQ3	Azimuth:	360	Date Logging Complete:	7/20/2016	
UTM Northing:	6817471.122	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	Hytech	
UTM Elev. (m):	1388.709	Casing Depth (m):	1.6	Length (m):	46.2	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/13/2016	
Local Northing:		Cemented?:	THM	Core Storage Loc.:	KZK Camp	Drill Completed:	7/14/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Geotech	
Comments:							Parent Hole:	

K16-392 was drilled to test the geotechnical properties of the proposed north extent of the mill site. 4 SPT tests were performed in the overburden, and 4 packer tests in the bedrock. A 10 node thermistor was installed.
 K16-392 encounters bedrock at ~4.5 m, and consists of mixed mudstone and mafic tuffs of the Wind Lake Formation.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-90	360	0	360	PLND-LiDAR	Knight Piésold	7/13/2016		<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	4.00	OVBN Overburden									
4.00	5.00	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Min: 4 - 36.3 2% Min: Pyrrhotite>>											
<<Alt: 4 - 39.7 Moderate-Strong Calcite>>											
5.00	36.30	MAFt Mafic Volcaniclastics									
5 - 36.3: Locally interbedded with MDS. Variable texture from ash to lpl tuff.											
<<Vein: 13.8 - 14 50% Quartz-Biotite 70 deg. >> QZ-CA-BI veining											
<<Vein: 14 - 39.2 2% Calcite 75 deg. >> Minor CA-veinlets, ~1-5 per meter, ~.5-1 cm wide											
36.30	37.40	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Min: 36.3 - 37.4 10% Min: Pyrite>>											

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
37.40	39.70	MAFt Mafic Volcaniclastics 37.4 - 39.7: Minor beds of MDS <<Min: 37.4 - 39.7 3% Min: Pyrrhotite>> <<Vein: 39.2 - 40 80% Calcite>> 2 massive CA-QZ veins with blebby PO+/-TML									
39.70	46.20	MDS Carbonaceous Mudstone & Tuffaceous Mudstone 39.7 - 46.2: Blebby CA+PO+/-PY which is locally vuggy <<Min: 39.7 - 46.2 1% Min: Pyrite>> <<Min: 39.7 - 46.2 10% Min: Pyrrhotite>> <<Alt: 39.7 - 46.2 Moderate Calcite>>									
End of Hole @ 46.2											