

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-395

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:	7/20/2016	
UTM Easting:	414821.807	Core Size:	HQ3	Azimuth:	360	Date Logging Complete:	7/21/2016	
UTM Northing:	6817251.308	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	Hytech	
UTM Elev. (m):	1405.071	Casing Depth (m):	2.2	Length (m):	46.2	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title:		Drill Started:	7/15/2016	
Local Northing:		Cemented?:	THM	Core Storage Loc.:	KZK Camp	Drill Completed:	7/16/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Geotech	
Comments:							Parent Hole:	

K16-395 was drilled to test the geotechnical properties of the proposed south extent of the mill site. 2 SPT tests were performed in the overburden, and 4 packer tests in the bedrock. A 10 node thermistor was installed.
 K16-395 encounters bedrock at ~2 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	7/15/2016		<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	2.00	OVBN Overburden									
2.00	3.80	MAFt Mafic Volcaniclastics									
2 - 3.8: Locally interbedded with MDS											
<<Min: 2 - 32 3% Min: Pyrrhotite>>											
<<Alt: 2 - 46.2 Moderate Calcite>>											
<<Vein: 2 - 46.2 10% Quartz-Carbonate>> 1-5 ~10-50 cm QZ-CA veins per 3 m.											
3.80	7.60	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
3.8 - 7.6: Carbonaceous mudstone with blebby CA. Local interbedded MAFt.											
7.60	9.60	MAFt Mafic Volcaniclastics									
7.6 - 9.6: Gradational lower contact with MDS											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
9.60	29.30	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
9.6 - 29.3: Carbonaceous mudstone, locally interbedded with MAFt <<Min: 19.3 - 26 3% Min: Pyrite>> <<Struc: 22.2 - 23.7 Weak-Moderate Fault>>											
29.30	32.00	MAFt Mafic Volcaniclastics									
32.00	46.20	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
32 - 46.2: Carbonaceous mudstone with local bands of MAFt <<Min: 32 - 46.2 2% Min: Pyrite>> <<Min: 32 - 46.2 5% Min: Pyrrhotite>> <<Struc: 33.3 - 33.7 Moderate-Strong Fault>>											
End of Hole @ 46.2											