

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-398

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:	7/23/2016	
UTM Easting	415277.776	Core Size:	HQ3	Azimuth:	360	Date Logging Complete:	7/24/2016	
UTM Northing:	6816529.951	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	Hytech	
UTM Elev. (m):	1370.016	Casing Depth (m):	6.4	Length (m):	28.2	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/20/2016	
Local Northing:		Cemented?:	SP	Core Storage Loc.:	KZK Camp	Drill Completed:	7/21/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Hydro	
Comments:							Parent Hole:	

K16-398 was drilled to test the geotechnical properties of the proposed Class B Storage Facility. Five SPT tests were performed in the overburden, 2 packer tests in the bedrock and then a deep monitoring well was installed. Drilling collared into bedrock at 7.2 m, which consists of intercalated mudstone and mafic tuffs of the Wind Lake Formation to EOH.

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	7/23/2016		<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	7.20	OVBN Overburden									
7.20	13.10	MAFt Mafic Volcaniclastics									
7.2 - 13.1: Interbedded lpl to ash mafic tuff with carbonaceous mudstone. Blebby CA throughout.											
<<Min: 7.2 - 22.5 1% Min: Pyrite>>											
<<Alt: 7.2 - 28.2 Moderate-Strong Calcite>>											
13.10	14.60	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
13.1 - 14.6: Interbedded with MAFt											
14.60	21.20	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
14.6 - 21.2: Interbedded with carbonaceous mudstone											

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
21.20	26.20	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
21.2 - 26.2: Carbonaceous mudstone with blebby CA and PY+/-PO											
<<Min: 22.5 - 26.2 3% Min: Pyrite>>											
<<Min: 22.5 - 26.2 3% Min: Pyrrhotite>>											
26.20	28.20	MAFt Mafic Volcaniclastics									
26.2 - 28.2: Mafic tuff with minor interbedded carbonaceous mudstone											
<<Min: 26.2 - 28.2 5% Min: Pyrrhotite>>											
End of Hole @ 28.2											