

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-397

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:	7/21/2016	
UTM Easting	415394.756	Core Size:	HQ3	Azimuth:	360	Date Logging Complete:	7/22/2016	
UTM Northing:	6817229.369	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	Hytech	
UTM Elev. (m):	1393.44	Casing Depth (m):	1.8	Length (m):	40.3	Drill Rig:	Tech 5000	
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/18/2016	
Local Northing:		Cemented?:	SP	Core Storage Loc.:	KZK Camp	Drill Completed:	7/20/2016	
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Hydro	
Comments:							Parent Hole:	

K16-397 was drilled to test the geotechnical properties of the proposed overburden stockpile. 3 SPT tests were performed in the overburden, and 4 packer tests in the bedrock. A monitoring well was installed.
 K16-397 encounters bedrock at 3.9 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	7/18/2016		<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	3.90	OVBN Overburden									
3.90	12.70	MAFt Mafic Volcaniclastics									
3.9 - 12.7: Light green, fine grained CI+BI+CA, mafic tuff. Local CA lpl and disseminated PO. Locally interbedded with MDS. <<Min: 3.9 - 12.7 1% Min: Pyrrhotite>> <<Alt: 3.9 - 12.7 Moderate-Strong Calcite>> <<Vein: 3.9 - 40.3 2% Calcite 75 deg. >> ~3 .5-1 cm CA veinlets per metre											
12.70	16.60	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
12.7 - 16.6: Black carbonaceous mudstone with banded CA and local vuggy texture. <<Min: 12.7 - 16.6 5% Min: Pyrite>> <<Min: 12.7 - 16.6 2% Min: Pyrrhotite>> <<Alt: 12.7 - 16.6 Moderate Calcite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
16.60	22.20	MAFt Mafic Volcaniclastics 16.6 - 22.2: Light green, fine grained, CL-BI-CA mafic tuff with minor blebby to banded CA. <<Min: 16.6 - 22.2 1% Min: Pyrrhotite>> <<Alt: 16.6 - 22.2 Moderate-Strong Calcite>>									
22.20	32.30	MDS Carbonaceous Mudstone & Tuffaceous Mudstone 22.2 - 32.3: Black carbonaceous mudstone with banded CA and local vuggy texture. Lower contact show interbedding with MAFt and a sandstone unit? <<Min: 22.2 - 40.3 5% Min: Pyrite>> <<Min: 22.2 - 40.3 5% Min: Pyrrhotite>> <<Alt: 22.2 - 32.3 Moderate Calcite>>									
32.30	35.40	MAFt Mafic Volcaniclastics 32.3 - 35.4: Light green mafic tuff interbedded with MDS and grey sandstone unit. <<Min: 34.9 - 35 1% Min: Chalcopryite>> <<Alt: 32.3 - 35.4 Moderate-Strong Calcite>>									
35.40	40.30	MDS Carbonaceous Mudstone & Tuffaceous Mudstone 35.4 - 40.3: Black carbonaceous mudstone with banded CA and local vuggy texture. Locally interbedded with MAFt. <<Alt: 35.4 - 40.3 Moderate Calcite>> <<Struc: 39.7 - 39.9 Weak Fault>>									
End of Hole @ 40.3											