

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K95-163

Prospect:	Hole Type:	DD	Survey Type:	Logged By:	Ron Voordouw	
Grid: NAD83_Z9	Hole Diameter:	75.7	Survey By:	Date Logging Start:	4/17/2016	
UTM Easting: 414900	Core Size:	NQ	Azimuth:	180	Date Logging Complete:	4/17/2016
UTM Northing: 6818675	Casing Pulled?:		Dip:	-90	Drill Company:	
UTM Elev. (m): 1324	Casing Depth (m):		Length (m):	45.1	Drill Rig:	
Local Easting:	Stored?:	Yes	Claims Title:	KZK	Drill Started:	
Local Northing:	Cemented?:		Core Storage Loc.:	KZK Camp	Drill Completed:	
Local Elev. (m):			Hole Completed?:		Purpose:	
Comments:					Parent Hole:	

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-90	180		180	SS				<input checked="" type="checkbox"/>	
45	-90	180		180	SS				<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	23.80	OVBN Overburden									
23.80	30.45	MDS Carbonaceous Mudstone & Tuffaceous Mudstone	black	VFG							
23.8 - 30.45: Black, very fine to fine-grained, finely laminated mudstone with patches of yellow limonite alteration											
<<Struc: 23.8 - 27.3 Strong Fault>> Heavily fractured interval with significant core loss; estimated recovery about 10%											
<<Struc: 27.8 - 27.81 Moderate-Strong dominant foliation>> Well-developed fabric that appears to be parallel to bedding											
<<Struc: 28.05 - 28.1 Intense Fault>> Complete disintegration of mudstone host into fault gouge											
<<Struc: 29.8 - 30.45 Intense Fault>> Heavily fractured interval with >95% core loss											
30.45	32.25	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	yl	FG							
30.45 - 32.25: Light grey to grey with strong yellow to orange ankerite-limonite overprint; very soft; obliterated mineralogy; lithological designation based on softness and Cominco log											
<<Min: 30.45 - 32.25 1% Min: Pyrite>> Relict lenticular blebs of completely oxidized sulphide; identified as pyrite based on less oxidized correlatives further down the hole											
<<Alt: 30.45 - 32.25 Moderate Chlorite>> Now mostly obliterated by limonite											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 30.45 - 32.25 Moderate Ankerite>> Possibly related to later oxidation?</p> <p><<Struc: 30.45 - 30.46 Contact>> Contact between MDS and MAFta</p> <p><<Struc: 30.8 - 30.81 Moderate-Strong dominant foliation>> Well-developed fabric in mafic tuff that is defined by compositional gradients and oxidized pyrite grains</p>											
32.25	32.70	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>32.25 - 32.7: As MDS interval above but with more calcite bands and less limonite alteration</p> <p><<Struc: 32.25 - 32.26 Contact>> Contact between MDS and MAFta</p> <p><<Struc: 32.3 - 32.31 Moderate-Strong dominant foliation>> Well-developed fabric that appears to be parallel to bedding; defined by alternating calcite and graphite rich layers</p> <p><<Struc: 32.55 - 33.47 Moderate Fault>> Ranges from strongly fractured with heavy core loss to in situ proto-fault gouge</p>											
32.70	32.90	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p>32.7 - 32.9: As MAFi interval above with similar strong limonite-ankerite overprint</p> <p><<Alt: 32.7 - 32.9 Moderate Chlorite>></p> <p><<Alt: 32.7 - 32.9 Moderate Ankerite>></p>											
32.90	33.20	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>32.9 - 33.2: Narrow interval of heavily fractured and poorly recovered (<10%) mudstone separating MAFi intervals</p>											
33.20	33.72	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p>33.2 - 33.72: Light grey to grey with strong yellow to orange ankerite-limonite overprint; very soft; obliterated mineralogy; lithological designation based on softness and Cominco log</p> <p><<Min: 33.2 - 33.72 2% Min: Pyrite>> Parallel lenticular to disk-like aggregates of completely oxidized to preserved pyrite</p> <p><<Alt: 33.2 - 33.72 Moderate Chlorite>> Downward increase in abundance</p> <p><<Alt: 33.2 - 33.72 Weak-Moderate Ankerite>> Downward decrease in abundance</p> <p><<Struc: 33.2 - 33.21 Contact>> Contact between MDS and MAFta</p>											
33.72	45.10	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>33.72 - 45.1: Black, very fine to fine-grained, finely laminated mudstone with patches of yellow limonite alteration</p>											

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Min: 33.72 - 39.5 0.5% Min: Pyrite>> Mostly in association with foliation-parallel calcite-rich layers or veins</p> <p><<Vein: 44.5 - 45.1 30% Calcite>> Calcite vein breccia/stockwork in fault zone with significant core loss</p> <p><<Struc: 33.72 - 33.73 Contact>> Contact between MDS and MAFta</p> <p><<Struc: 36.45 - 36.46 Moderate-Strong dominant foliation>> Well-developed fabric that appears to be parallel to bedding; defined by alternating calcite and graphite rich layers</p> <p><<Struc: 38.9 - 45.1 Strong Fault>> Strongly fractured with significant core loss to EOH</p> <p>End of Hole @ 45.1</p>											