

GEOLOGIC LOG OF DRILL HOLE NO.: TH05-3

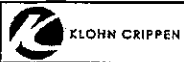
CLIENT: Yukon Zinc Corporation	PROJECT NO.: ██████████
PROJECT: Wolverine Feasibility Design and Environmental Assessment	DATE HOLE STARTED: 5/18/2005 FINISHED: 5/23/2005
LOCATION:	DATUM: NAD27
DIRECTION AZIMUTH: DIP (from horiz): -90	TOP OF PIPE ELEVATION: m
CO-ORDINATES: E 441889.9m N 6808405.5m	GROUND ELEVATION: 1315 m
MANUFACTURER'S DRILL DESIGNATION: BBS 25A	TOTAL DEPTH OF HOLE: 39.17 m
DRILLING CONTRACTOR: Advanced Drilling Ltd.	DRILLING METHOD SOIL: HQ Core ROCK: HQ Core
LOGGED BY: ██████████	DRILLING FLUID: Water
CHECKED BY:	HOLE DIA.:

DEPTH (m)	SYMBOL	SAMPLE No.	LITHOLOGY	PIEZOMETER DETAILS	HYDRAULIC CONDUCTIVITY CM/SEC			DISCONTINUITY DATA	ROCK STRENGTH BASED ON POINT LOAD TEST (MPa) <small>(a)-axial; (d)-diametrical</small>	TEMPERATURE	FIELD/LAB DATA								
					10-6	10-4	10-2				SEE BOTTOM OF FORM FOR CODES	SPT/LPT N	WATER CONTENT %						
					Dip Angle		CORE RECOVERY %		R.Q.D. %										
					30	60			0	6	12	25	50	75	5	10	15		
1			<p>SILT-SAND-GRAVEL-COBBLE, mostly fine to coarse gravel, some sand to sandy, some silt, low to medium plastic silt, silt-sand-gravel matrix, some cobbles, flat and elongated, angular to subrounded gravel, grey to light brown, moist (TILL-LIKE).</p> <p>- LPT N = 32 blows at 1.83 m depth.</p> <p>- LPT N = 39 blows at 3.66 m depth.</p> <p>- LPT N = 28 blows at 6.10 m depth.</p> <p>- LPT N = 58 blows at 8.23 m depth. Till-like overburden, silty fine sand matrix with gravel, cobbles and weather rock fragments, light brown.</p> <p>- Mostly silt and sand, medium to high plastic silt, fine to coarse sand, with trace gravel, grey at 8.86 m depth.</p> <p>- LPT N = 17 blows at 11.28 m depth. Gravel and rock fragments (1 cm to 5 cm size) with trace silt and sand. Note: no soil matrix; 3 cm thick quartz veins, with black clay at end of SPT sampler.</p> <p>- Mostly fine to medium gravel with trace sand and silt at 14.33 m depth.</p> <p>- LPT N = 19 blows at 14.73 m depth.</p> <p>- Encountered fine to coarse sand with trace gravel and silt (till-like) between 17.37 m and 17.83 m depth.</p> <p>- LPT N = 24 blows at 17.37 m depth. Fine to coarse sand with trace gravel and silt (till-like).</p>																
2		1																	
3																			
4		2																	
5																			
6		3																	
7		4																	
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9		5																	
10																			
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18		8																	
19																			
20																			

KC ROCK-SIG-4 WOLVERINE TEST HOLES - NOV 17.GPJ ROCK-LOG.GDT 28/06

DISCONTINUITY CODES: B: BEDDING D: DRILL BRK F: FAULT G: GNEISSY J: JOINT M: SCHISTY S: SHEAR T: TENSION CRK

CORE LOSS
 FRACTURED/BROKEN CORE
 DIP ANGLES MEASURED WITH RESPECT TO



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DEPTH (m)	SYMBOL	SAMPLE No.	LITHOLOGY	PIEZOMETER DETAILS	HYDRAULIC CONDUCTIVITY CM/SEC			DISCONTINUITY DATA SEE BOTTOM OF FORM FOR CODES	ROCK STRENGTH BASED ON POINT LOAD TEST (MPa) (a)-axial; (d)-diametrical	TEMPERATURE	FIELD/LAB DATA										
					10-6	10-4	10-2				Dip Angle		SPT/LPT N			WATER CONTENT %					
											CORE RECOVERY %			R.Q.D. %							
											0	6	12	25	50	75	5	10	15		
			(continued from previous page)																		
21		9	- Till-like overburden mostly gravel, with clayey/silty fine sand matrix, and fine to coarse gravel, light brown, between 20.42 m and 26.97 m depth. - LPT N = 62 blows over first 6.5" at 20.42 m depth. - LPT N = 75 blows over first 6.5" at 23.47 m depth. - LPT N > 100 blows at 26.52 m depth.																		
22		10																			
23																					
24																					
25																					
26																					
27																					
28																					
28.4																					
29			1,286.7 ARGILLITE, highly weathered, black.																		
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39		11	1,275.8 - Mostly fine to coarse gravel at 38.71 m depth. End of Hole at: 39.2 m																		
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Notes:

- The SPT/LPT N values indicated are the field measured LPT N values.
- Piezometer stickup length is as follows:
 - TH05-3A = 0.05 m;
- Water levels measured in piezometer TH05-3A after installation was 30.51 m.

DISCONTINUITY CODES: B: BEDDING D: DRILL BRK F: FAULT G: GNEISSY J: JOINT M: SCHIST'Y S: SHEAR T: TENSION CRK
 CORE LOSS FRACTURED/BROKEN CORE DIP ANGLES MEASURED WITH RESPECT TO

KC: ROCK-SI@4 WOLVERINE TEST HOLES - NOV 17 GPJ ROCK-LOG.GDT 2/8/06