



GEOLOGIC LOG OF DRILL HOLE NO.: TH05-9

CLIENT: Yukon Zinc Corporation	PROJECT NO.: [REDACTED]
PROJECT: Wolverine Feasibility Design and Environmental Assessment	DATE HOLE STARTED: 8/12/2005 FINISHED: 8/19/2005
LOCATION:	DATUM: NAD27
DIRECTION AZIMUTH: DIP (from horiz): -90	TOP OF PIPE ELEVATION: m
CO-ORDINATES: E 442454m N 6808092m	GROUND ELEVATION: 1303 m
MANUFACTURER'S DRILL DESIGNATION: BBS 25A	TOTAL DEPTH OF HOLE: 35.05 m
DRILLING CONTRACTOR: Advanced Drilling Ltd.	DRILLING METHOD SOIL: NQ Core ROCK: NQ Core
LOGGED BY: [REDACTED]	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	CORE RECOVERY %	WATER CONTENT %				
					Dip Angle		SPT/LPT N		R.Q.D. %								
					30	60			0	6	12	25	50	75	5	10	15
0.3			TOPSOIL - organics.														
1.302.8			SILT-SAND-GRAVEL-COBBLE, low plastic silt, fine to coarse sand and gravel, occasional boulders, flat, subrounded to subangular gravel, grey to green, dry to moist (TILL-LIKE).														
1		1															
2		2	- LPT N = 57 blows at 1.52 m depth. - LPT N = 51 blows at 3.05 m depth.														
3			Piezometer 9B														
4		3	- LPT N = 125 blows at 4.57 m depth.														
5			- LPT N = 20 blows over first 6" at 6.10 m depth.														
6																	
7																	
8																	
9																	
10			- LPT N = 26 blows over first 5" at 9.14 m depth.														
11																	
12																	
13			- LPT N = 23 blows over first 2" at 12.19 m depth.														
14																	
15																	
16		4	- LPT N = 23 blows over first 4" at 15.24 m depth.														
17																	
18																	
19		5	- LPT N = 23 blows over first 2" at 18.29 m depth.														
20																	

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

KC ROCK-SIG@ WOLVERINE TEST HOLES - NOV 17, 2005 ROCK-LOG.GDT 2/6/06



GEOLOGIC LOG OF DRILL HOLE NO.: TH05-9

DEPTH (m)	SYMBOL	SAMPLE No.	LITHOLOGY	PIEZOMETER DETAILS	HYDRAULIC CONDUCTIVITY CM/SEC			DISCONTINUITY DATA	ROCK STRENGTH BASED ON POINT LOAD TEST (MPa) (a)=axial; (c)=circumferential	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															
(continued from previous page)																			
21			- LPT N = 26 blows over first 2" at 21.34 m depth.																
22																			
23																			
24																			
25			- LPT N = 24 blows over first 3.5" at 24.38 m depth.																
26																			
27																			
28		6	- LPT N = 24 blows over first 2.5" at 27.43 m depth.																
29																			
30			Piezometer 9A																
30.1			1,272.9 BEDROCK.																
31			- LPT N = 25 blows over first 3" at 30.48 m depth.																
32			- 5 cm of black carbonaceous argillite (minor pyrite) encountered between 30.5 m and 32.0 m depth.																
33			- Dark grey siliceous argillite encountered between 32.0 m and 35.1 m depth.																
34																			
35			35.1 1,268.0 End of Hole at: 35.1 m																
36																			
37			Notes:																
38			1. The SPT/LPT N values indicated are the field measured SPT N values.																
39			2. Piezometer stickup lengths are as follows: - TH05-9A = 0.21 m; - TH05-9B = 0.31 m.																
40			3. Water levels measured in piezometers TH05-9A and B after installation were 10.72 m and 3.67 m, respectively.																
41			4. OVBN = overburden; ARMS = massive argillite.																
42			5. Two separate holes were drilled for the piezometer installation in overburden and bedrock.																
43																			
44																			
45																			

KC-ROCK-SIG4 WOLVERINE TEST HOLES - NOV 17 GPJ ROCK-LOG.GDT 2/8/06

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