



# 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			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															
3		2													
4															
5		3													
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16		4													
17															
18															
19		5													
20															

DISCONTINUITY CODES: B: BEDDING D: DRILL BRK F: FAULT G: GNEISS'Y J: JOINT M: SCHIST'Y 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				0	6	12	25	50	75	5	10	15	
(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		OVBD/ ARMS	- 5 cm of black carbonaceous argillite (minor pyrite) encountered between 30.5 m and 32.0 m depth.														
33		ARMS	- 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