



# GEOLOGIC LOG OF DRILL HOLE NO.: TH05-1

CLIENT: Yukon Zinc Corporation	PROJECT NO.: [REDACTED]
PROJECT: Wolverine Feasibility Design and Environmental Assessment	DATE HOLE STARTED: 5/17/2005 FINISHED: 5/18/2005
LOCATION:	DATUM: NAD27
DIRECTION AZIMUTH: DIP (from horiz): -90	TOP OF PIPE ELEVATION: m
CO-ORDINATES: E 442284.6m N 6808037.2m	GROUND ELEVATION: 1304.9 m
MANUFACTURER'S DRILL DESIGNATION: BBS 25A	TOTAL DEPTH OF HOLE: 32.61 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) (a) = axial; (d) = diametrical	TEMPERATURE	FIELD/LAB DATA								
					10-6	10-4	10-2				SEE BOTTOM OF FORM FOR CODES	SPT/LPT N	WATER CONTENT %						
					Dip Angle			30	60	CORE RECOVERY %			R.Q.D. %						
0.6			FILL consisting of sand, gravel and cobbles.																
0.804-3			TOPSOIL.																
1.304.1			- Peat, organics.																
2			SILT-SAND-GRAVEL-COBBLE, mostly low to medium plastic silt, sandy and gravelly, fine to coarse sand and gravel, silty/clayey sand matrix, occasional boulders, angular to subangular gravel, grey to green, moist (TILL-LIKE).																
3			- All gravel and cobbles are chloritic rhyolite.																
4			- Very poor core recovery.																
5																			
6																			
7																			
8			- Brown clay and rock fragments between 7.45 m and 7.60 m depth.																
9																			
10																			
11																			
12			- Clay, greenish grey, medium plastic and rock fragments between 11.45 m and 11.73 m depth.																
12.2																			
1.292.7			ARGILLITE, siliceous, moderately weathered, foliated at 80 degrees from core axis.																
13			- Foliation was poorly bonded (break easily under finger pressure), with calcite veins throughout.																
14																			
15																			
16																			
17																			
18																			
19																			
20																			

KC: ROCK-S@4 WOLVERINE TEST HOLES - NOV 17.GPJ ROCK-LOG.GDT 28/05

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



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					10-6	10-4	10-2	SEE BOTTOM OF FORM FOR CODES				SPT/LPT N ● CORE RECOVERY %	WATER CONTENT % ○ R.Q.D. %					
								Dip Angle 30 60					25	50	75	5	10	15
			(continued from previous page)															
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- Joints infilled with sand and rock fragments, with some shattered sections between 25.7 m and 26.1 m depth.  
 - Fault gouge - silty sand and angular rock fragments between 26.2 m and 26.8 m depth.

32.6  
1,272.3  
End of Hole at: 32.6 m

- Notes:
- Piezometer stickup lengths are as follows:
    - TH05-1A = 0.30 m;
    - TH05-1B = 1.72 m.
  - Water levels measured in piezometers TH05-1A and B after installation were 31.85 m and 1.20 m, respectively.

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