



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 MATERIALS & RESEARCH SECTION  
 SUBSURFACE INFORMATION

BORING LOG

MILTON  
 IM 089-3(66)  
 I-89 NB&SB BR-81 NB&SB

Boring No.: B-105  
 Page No.: 1 of 1  
 Pin No.: 10A060  
 Checked By: TDE

Boring Crew: WERNER, WELLS  
 Date Started: 7/22/11 Date Finished: 7/26/11  
 VTSPG NAD83: N 779728.04 ft E 1473636.89 ft  
 Station: 2785+45.0 Offset: -44.00  
 Ground Elevation: 155.0 ft

Casing Type: WB  
 Sampler Type: SS  
 I.D.: 3.5 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: CME 45C SKID CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
07/27/11	5.5	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, brn, Moist, Rec. = 2.0 ft				5-7-6-5 (13)	9.2	6.6	55.4	38.0
		A-1-b, GrSa, brn, Moist, Rec. = 1.9 ft				2-5-7-20 (12)	9.2	31.2	67.2	1.6
5		A-2-4, SiSa, brn, MTW, Rec. = 2.0 ft				2-3-2-3 (5)	22.8	5.7	71.8	22.5
		A-2-4, SiSa, brn, Wet, Rec. = 2.0 ft				2-3-3-2 (6)	23.8	4.0	73.6	22.4
		A-2-4, Sa, brn, Wet, Rec. = 1.6 ft				4-3-5-3 (8)	19.7	16.5	67.3	16.2
10		A-1-b, Sa, brn, Wet, Rec. = 1.8 ft				2-5-4-5 (9)	12.2	15.3	73.5	11.2
		A-1-b, Sa, brn, Wet, Rec. = 1.8 ft				R@2.0"	13.4	20.9	69.2	9.9
		A-1-b, GrSa, brn, Wet, Rec. = 0.2 ft	1 (30)	96 (94)	5	Top of Bedrock @				12.2 ft
15		12.2 ft - 17.2 ft, Gray, Slate, with thin calcite veins. Moderately hard, Unweathered, Very good rock, NXMDC, RMR=89			5					
					4					
					4					
					4					
					4					
20		17.2 ft - 22.5 ft, Gray, Slate, with thin calcite veins. Moderately hard, Unweathered, Very good rock, NXMDC, RMR=82	2 (30)	77 (73)	4					
					4					
					4					
					4					
					4					
25		Hole stopped @ 22.5 ft								

Notes:  
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.  
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 MILTON IM 089-3(66).CPJ VERMONT AOT.GDT 9/22/11