



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

BORING LOG
WATERBURY
IM 089-2(43)
EXIT #10 NB OFF RAMP-A BR-47

Boring No.: B-105
Page No.: 1 of 1
Pin No.: 10A076
Checked By: CEE

Boring Crew: GARROW, WERNER
Date Started: 11/23/10 Date Finished: 11/23/10
VTSPG NAD83: N 671378.85 ft E 1575352.19 ft
Station: 106+61.42 Offset: -20.67
Ground Elevation: 431.68 ft

Casing Type: WB
Sampler Type: SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
11/24/10	9.9	Overnight reading.

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 %
5	[Diagonal lines]	A-2-4, SiSaGr, brn, Moist, Rec. = 1.1 ft				1-1-2-4 (3)	17.8	34.2	34.0	31.8
		A-2-4, SiSaGr, gry, Moist, Rec. = 0.7 ft, Broken rock was within sample.				3-8-R@3.5" (R)	11.7	41.7	32.1	26.2
10	[Cross-hatch]	Field Note:, No Recovery. A stone with silt was in sampler				2-1-1-1 (2)				
15	[Diagonal lines]	A-4, Si, gry, Wet, Rec. = 0.8 ft				2-3-3-5 (6)	24.3	2.0	10.0	88.0
20	[Diagonal lines]	A-4, Si, gry, Wet, Rec. = 1.1 ft				1-1-1-1 (2)	27.4	0.1	2.9	97.0
25	[Diagonal lines]	A-4, Si, gry, Wet, Rec. = 1.3 ft				1-3-3-4 (6)	30.1	2.8	2.9	94.3
25.8 - 29.3	[Diagonal lines]	25.8 ft - 29.3 ft, Gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	1 (70)	91 (80)	15	Top of Bedrock @ 25.8 ft				
29.3 - 31.6	[Diagonal lines]	29.3 ft - 31.6 ft, Gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	2 (70)	100 (52)	16					
31.6 - 33.6	[Diagonal lines]	31.6 ft - 33.6 ft, Gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	3 (70)	100 (85)	14					
33.6 - 35.8	[Diagonal lines]	33.6 ft - 35.8 ft, Gray, Quartz-sericite-chlorite phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	4 (70)	86 (86)	13					
35.8		Hole stopped @ 35.8 ft			14					

BORING LOG 2 WATERBURY IM 089-2(43).GPJ VERMONT AOT.GDT 4/13/11

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.