



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-101
Page No.: 1 of 1
Pin No.: 10A076
Checked By: CEE

Boring Crew: <u>GARROW, WERNER</u>	Casing Type: <u>WB</u>	Sampler: <u>SS</u>	Groundwater Observations		
Date Started: <u>12/03/10</u> Date Finished: <u>12/08/10</u>	I.D.: <u>4 in</u>	<u>1.5 in</u>	Date	Depth (ft)	Notes
VTSPG NAD83: <u>N 671084.20 ft E 1575484.96 ft</u>	Hammer Wt: <u>N.A.</u>	<u>140 lb.</u>	12/08/10	17.8	Overnight reading.
Station: <u>103+38.35</u> Offset: <u>-29.21</u>	Hammer Fall: <u>N.A.</u>	<u>30 in.</u>			
Ground Elevation: <u>469.03 ft</u>	Hammer/Rod Type: <u>Auto/AWJ</u>				
	Rig: <u>CME 45C TRACK</u>	<u>CE = 1.34</u>			

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5		A-1-b, SiGrSa, brn, Moist, Rec. = 0.5 ft				1-1-2-8 (3)	17.3	30.8	47.1	22.1	
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft				12-9-4-4 (13)	11.6	41.2	46.8	12.0	
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.9 ft				5-6-5-9 (11)	11.8	53.0	26.9	20.1	
		A-1-b, SaGr, gry, Wet, Rec. = 0.6 ft				5-3-8-7 (11)	11.7	56.1	27.0	16.9	
		A-1-b, SiSaGr, gry, Wet, Rec. = 1.0 ft				3-5-4-4 (9)	12.8	43.9	31.4	24.7	
10		A-1-b, SaGr, gry, Wet, Rec. = 1.2 ft				8-9-7-5 (16)	11.1	57.3	26.5	16.2	
		Field Note: No Recovery				2-2-2-3 (4)					
15		A-4, SaSi, gry-brn, Wet, Rec. = 0.9 ft				1-2-2-7 (4)	30.9	9.1	29.8	61.1	
		A-2-4, SaSiGr, brn, Wet, Rec. = 1.3 ft				5-10-33-24 (43)	14.4	36.9	29.8	33.3	
		A-2-4, SiGrSa, brn, Wet, Rec. = 1.2 ft, Broken Rock was within sample.				19-21-18-42 (39)	14.6	33.8	37.1	29.1	
20		20.5 ft - 22.0 ft, Light gray, Quartz-sericite-chlorite Phyllitic Schist, Moderately hard, Unweathered, Fair rock, NXMDC	1 (70)	80 (47)	16 (20)						
		22.0 ft - 25.5 ft, Light gray, Quartz-sericite-chlorite Phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	2 (70)	74 (74)	22 (25)						
		25.5 ft - 30.5 ft, Light gray, Quartz-sericite-chlorite Phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC	3 (70)	100 (76)	11 (9)						
25											
30											
35											
40											
45											

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