



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

BORING LOG

BENNINGTON
BRF 1000(16)S
TH-7 BR-57

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 88J087
Checked By: NSM

Boring Crew: GARROW, SALISBURY
Date Started: 11/10/11 Date Finished: 11/15/11
VTSPG NAD83: N 144033.71 ft E 1452318.42 ft
Station: 7+86.10 Offset: 21.61
Ground Elevation: 613.98 ft

Casing: WB
Sampler: SS
Type: WB 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
11/15/11	0.4	AM
11/16/11	0.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Groundwater Observations									
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %					
		Field Note:, NXDC, Boulder													
		A-1-a, Gr, brn, Moist, Rec. = 0.5 ft				3-8-8-8 (16)	7.3	82.2	15.2	2.6					
		Field Note:, NXDC, Cobbles & Gravel													
10		A-1-b, SaGr, brn, Wet, Rec. = 0.5 ft				8-15-18-12 (33)	26.1	47.9	43.9	8.2					
		Field Note:, NXDC, Cobbles & Gravel													
		A-2-4, SaSiGr, brn, Moist, Rec. = 0.8 ft				7-8-10-7 (18)	15.3	41.0	23.6	35.4					
20		A-4, SaSi, brn, Moist, Rec. = 0.9 ft				7-10-10-7 (20)	22.7	5.9	26.7	67.4					
		A-3, SaGrSi, brn, Moist, Rec. = 1.3 ft, Started mud drilling at 24.0 ft.				17-28-19-22 (47)	16.0	31.9	29.3	38.8					
30		Field Note:, No Recovery. Rock in end of sampler				18-15-8-10 (23)									
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Broken rock was within sample.				12-8-9-8 (17)	8.2	66.3	21.4	12.3					
		Field Note:, NXDC, Cobbles													
40		A-1-a, SiSaGr, red-brn, Moist, Rec. = 0.7 ft, Weathered rock was within sample.				4-R@3.5"	9.4	44.1	34.3	21.6					
		Field Note:, NXDC, Possible soft weathered rock													
		40.0 ft - 45.0 ft, Light gray, Meta-Limestone, Moderately hard, Moderately severe weathered, Very poor rock, NXMDC, Weathered surface is light orange and brown. RMR = 19	1 (-)	90 (0)	3										
		45.0 ft - 48.0 ft, Light gray, Meta-Limestone, Medium hard, Severely to moderately weathered, Very poor rock, NXMDC, Orange stained clay coating at 46.3 ft on rock surface (may be karst solution feature). RMR = 19	2 (-)	40 (0)	3										
50		48.0 ft - 53.0 ft, Dark gray, Limestone, and Phyllite. Medium to soft, Moderately severe weathered, Very poor rock, NXMDC, Rock is coated with thick orange/brown clay coating (may be karst solution feature). RMR = 19	3 (-)	74 (0)	3										
		Hole stopped @ 53.0 ft			2										

BORING LOG 2 BENNINGTON BRF 1000(16)S.GPJ VERMONT AOT.GDT 5/2/12

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.