



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-101
 Page No.: 1 of 1
 Pin No.: 88J087
 Checked By: NSM

Boring Crew: GARROW, SALISBURY
 Date Started: 11/08/11 Date Finished: 2/29/12
 VTSPG NAD83: N 143977.93 ft E 1452288.69 ft
 Station: 7+40.42 Offset: -22.13
 Ground Elevation: 631.66 ft

Casing: WB Sampler: 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
02/29/12	17.8	AM

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, MTD, Rec. = 1.1 ft, Broken red brick or clay tile was within sample.				2-4-7-4 (11)	14.6	34.9	45.0	20.1
		A-1-a, SaGr, brn, MTW, Rec. = 0.8 ft, Some broken rock was within sample.				2-3-1-2 (4)	16.2	56.2	36.9	6.9
10		Field Note:, NXDC, Cobbles				1-3-5-4 (8)				
		Field Note:, No Recovery								
15		Field Note:, NXDC, Cobbles				3-3-8-25 (11)	10.5	72.2	22.7	5.1
		Field Note:, NXDC, Cobbles								
20		Visual Classification, Mostly Broken Rock., brn, Moist, Rec. = 0.6 ft								
		Field Note:, NXDC, Boulder								
25		Field Note:, NXDC, Cobbles								
		A-1-a, SaGr, grn-brn, Moist, Rec. = 0.7 ft, Broken Rock was within sample.								
30		Visual Classification, Mostly Broken Rock., grn-brn, Moist, Rec. = 0.5 ft				11-R@3.5" 62-R@2.5"	10.7	72.9	23.3	3.8
		30.0 ft - 33.0 ft, Gray, Meta-Limestone, Moderately hard, Very slightly weathered, Poor rock, NXMDC, Fair recovery and very poor RQD. RMR = 39	1 (10)	83 (0)	9					
35		33.0 ft - 36.0 ft, Gray, Meta-Limestone, Moderately hard, Very slightly weathered, Poor rock, NXMDC, Closely spaced jointing.	2 (10)	80 (8)	3	4	3			
		36.0 ft - 38.0 ft, Gray, Medium grained Quartzite, Hard, Very slightly weathered, Poor rock, Very poor RQD. RMR = 39			3	3				
40		Hole stopped @ 38.0 ft								
		Remarks: 1. Stopped drilling on 11/08/12 and returned on 02/28/12 to complete hole.								

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