



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

BORING LOG

PITTSFIELD  
BRF 022-1(23)  
VT-100 BR-124

Boring No.: B-103  
Page No.: 1 of 2  
Pin No.: 86E060  
Checked By: CEE

Boring Crew: GARROW, SALISBURY  
Date Started: 8/01/11 Date Finished: 8/04/11  
VTSFG NAD83: N 457003.53 ft E 1555714.49 ft  
Station: 132+53 Offset: -19.00  
Ground Elevation: 891.5 ft

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 55 TRACK CE = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
08/01/11	15.7	AM
08/04/11	16.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (ROD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft, Broken Rock was within sample.				WH-3-1-2 (4)	12.3	41.1	42.0	16.9
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Broken Rock was within sample.				1-1-1-1 (2)	8.6	28.8	60.3	10.9
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Broken Rock was within sample.				WH-WH-2-3 (2)	9.8	40.8	49.1	10.1
10		A-1-a, SaGr, brn, MTW, Rec. = 0.5 ft, Broken Rock was within sample.				5-5-5-3 (10)	5.6	61.8	30.5	7.7
		A-1-a, SaGr, brn, MTW, Rec. = 0.7 ft, Broken Rock was within sample.				2-2-3-9 (5)	4.9	70.1	23.6	6.3
		A-1-b, SaGr, brn, MTW, Rec. = 1.0 ft, Broken Rock was within sample.				7-10-10 (20)	15.1	50.4	37.2	12.4
15		A-1-a, SaGr, brn, MTW, Rec. = 0.5 ft, Broken Rock was within sample.				6-7-9-11 (16)	14.8	61.3	31.0	7.7
		A-1-a, SaGr, brn, MTW, Rec. = 0.9 ft, Broken Rock was within sample.				9-15-10 (25)	11.0	61.7	25.8	12.5
		A-1-b, SaGr, brn, MTW, Rec. = 0.3 ft, Broken Rock was within sample.				11-11-9 (20)	22.1	44.2	39.8	16.0
20		A-1-a, SaGr, brn, MTW, Rec. = 0.8 ft, Broken Rock was within sample.				5-10-10 (20)	12.9	58.6	32.4	9.0
		A-1-b, GrSa, gry-brn, MTW, Rec. = 1.2 ft, Broken Rock was within sample.				26-10-9 (28)	11.5	40.0	42.9	17.1
		A-1-a, SaGr, brn-gry, MTW, Rec. = 0.7 ft, Broken Rock was within sample.				14-7-7-4 (14)	14.2	62.7	29.0	8.3
25		A-1-b, SaGr, brn, MTW, Rec. = 0.9 ft, Broken Rock was within sample.				5-8-15-27 (23)	11.5	49.5	32.8	17.7
		A-1-a, SaGr, gry-brn, MTW, Rec. = 1.0 ft, Broken Rock was within sample.				8-14-14 (28)	7.6	61.6	29.2	9.2
		A-1-b, SaGr, gry, MTW, Rec. = 1.0 ft, Broken Rock was within sample.				15-15-16-17 (31)	9.3	55.3	31.1	13.6
35		Field Note: Began Mud Drilling								
		A-1-a, SaGr, brn, MTW, Rec. = 0.7 ft				4-8-5-5 (13)	16.9	52.8	35.4	11.8
		A-1-a, SaGr, brn, MTW, Rec. = 1.3 ft, Broken Rock was within sample.				17-20-13-13 (33)	12.0	56.8	30.1	13.1

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.



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50		A-1-a, Gr, brn, MTW, Rec. = 0.4 ft, Broken Rock was within sample.				12-18-19-16 (37)	14.0	71.8	19.5	8.7
		A-1-a, Gr, brn, MTW, Rec. = 0.9 ft, Broken Rock was within sample.				15-35-32-30 (67)	5.0	86.1	9.2	4.7
		Field Note: NXDC, Boulder								
55		A-1-a, SaGr, gry, MTW, Rec. = 1.0 ft				8-18-11 (29)	5.7	67.6	24.5	7.9
		Field Note: Sleeved casing down to 3 inch at 60.0 feet								
		A-1-a, Gr, gry, MTW, Rec. = 0.8 ft				3-6-5-5 (11)	8.0	76.3	16.6	7.1
65		A-1-a, SaGr, gry, MTW, Rec. = 0.8 ft				8-7-10-18 (17)	7.7	71.9	21.0	7.1
		Field Note: BXDC, Cobbles								
		A-2-4, SIGSa, gry, Moist, Rec. = 0.9 ft				4-9-17-13 (26)	12.7	29.2	50.0	20.8
75		Field Note: BXDC, Cobbles								
		77.3 ft - 78.3 ft, Boulders. BXDC			1	12				
		78.3 ft - 81.9 ft, Boulders. BXMDC			2	12				
85		81.9 ft - 83.3 ft, Gray-green, Sericite chlorite Schist, with calcite bands. Moderately hard, Unweathered, Very good rock, BXMDC, RMR = 89			2 cont. (45)	97.5 (100)				Top of Bedrock @ 81.9 ft
		83.3 ft - 87.3 ft, Gray-green, Sericite chlorite Schist, with calcite bands. Moderately hard, Unweathered, Very good rock, BXMDC, RMR = 89			3 (45)	100 (100)				
		Hole stopped @ 87.3 ft								

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