



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

BORING LOG

JOHNSON
BRF 030-2(26)
VT-15 BR-32

Boring No.: B-104

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Pin No.: 88B193

Checked By: NSM

Boring Crew: PORTER, GARROW, WERNER
Date Started: 4/07/11 Date Finished: 4/11/11
VTSPG NAD83: N 780905.41 ft E 1582757.69 ft
Station: 93+75 Offset: 22.00
Ground Elevation: 488.1 ft

Casing Type: WB
Sampler Type: SS
I.D.: 3 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
04/08/11	9.5	AM
04/12/11	7.8	AM, After hard rain

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, GrSa, brn, Moist, Rec. = 0.4 ft				2-2-3-4 (5)	8.5	40.0	49.0	11.0	
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				2-6-5-3 (11)	9.8	33.7	50.1	16.2	
		Field Note: No Recovery., Sand on tip of sampler.				3-5-6-5 (11)					
		A-1-b, SaGr, brn, Wet, Rec. = 0.9 ft				3-4-4-5 (8)	10.8	46.0	45.3	8.7	
		Visual Classification, SaGr, brn, Wet, Rec. = 0.2 ft, Insufficient sample for testing. No water return at 9.5 ft.				9-6-4-2 (10)	13.9				
10		A-1-a, SaGr, gry, Wet, Rec. = 0.6 ft, Lots of broken rock was within sample.				2-14-26-24 (40)	11.8	63.2	23.9	12.9	
		Field Note: Sampler hit rock (cobble)				(NA)-3-2-2 (5)	19.5	18.8	68.1	13.1	
15		A-1-b, Sa, brn, Wet, Rec. = 0.4 ft, Lab Note: Sample was rusty-orange color.				2-4-4-4 (8)					
		Field Note: No Recovery.				2-3-8-9 (11)	16.5	32.4	55.4	12.2	
		A-1-b, GrSa, brn, Wet, Rec. = 1.1 ft, Lab Note: Sample was rusty-orange color.				9-7-7-7 (14)	12.9	48.2	41.7	10.1	
20		A-1-b, SaGr, brn, Wet, Rec. = 0.8 ft, Lab Note: Sample was rusty-orange color.									
25		A-2-4, SiSa, brn, Wet, Rec. = 1.0 ft				3-4-5-4 (9)	23.9		76.6	23.4	
30		A-4, SiSa, brn, Wet, Rec. = 1.4 ft				2-3-4-5 (7)	28.3		61.1	38.9	
35		31.2 ft - 36.2 ft, Gray, Quartz-muscovite-chlorite Gneiss, Milky white Quartz vein from 31.6 to 33.5 ft.. Hard, Unweathered, Very good rock, BXDC	1	100	5	Top of Bedrock @ 31.2 ft					
			(40)	(84)	3						
					3						
					3						
40		36.2 ft - 41.2 ft, Gray, Quartz-muscovite-chlorite Gneiss, Hard, Unweathered, Very good rock, BXDC	2	96	4						
			(40)	(96)	4						
					4						
					4						
Hole stopped @ 41.2 ft											

BORING LOG 2 JOHNSON BRF 030-2(26) GPJ VERMONT AOT.GDT 7/18/11

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.