



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

BORING LOG

BARNARD
BHF 0241(39)
VT-12 BR-25

Boring No.: B-101

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Pin No.: 10C410

Checked By: NSM

Boring Crew: SALISBURY, GARROW, DAIVSON
Date Started: 5/04/12 Date Finished: 5/14/12
VTSPG NAD83: N 458380.14 ft E 1605144.36 ft
Station: 370+59 Offset: 20.70
Ground Elevation: 881.12 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 45C TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/14/12	11.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/c (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SiGrSa, brn, Moist, Rec. = 1.4 ft				4-3-6-5 (9)	13.5	35.7	41.1	23.2
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft, NXDC				8-6-6-3 (12)	9.9	38.3	40.1	21.6
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft				5-2-3-3 (5)	15.8	17.6	56.9	25.5
		A-1-b, GrGr, brn, Moist, Rec. = 0.9 ft				3-2-4-10 (6)	14.6	36.4	45.0	18.6
10		Field Note: NXDC, Cobbles								
		A-4, SiSa, brn, Wet, Rec. = 1.1 ft				8-8-8-11 (16)	23.6	0.2	62.3	37.5
15		A-2-4, Sa, brn, Wet, Rec. = 1.4 ft				4-7-8-10 (15)	21.3	7.5	75.5	17.0
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft, NXDC				7-25-35-R@2.5" (60)	10.8	32.7	40.2	27.1
		A-2-4, SiSaGr, brn, Moist, Rec. = 1.0 ft, NXDC				2-11-32-55 (43) R@3.5"	9.9	38.0	36.0	26.0
20		Visual Description: Broken Rock, gry, Moist, Rec. = 0.3 ft					9.1			
		Field Note: NXDC, Cobbles & Gravel								
25		A-1-b, SiSaGr, gry, Moist, Rec. = 0.5 ft, NXDC				5-17-R@2.5"	11.2	43.5	35.4	21.1
30		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft				9-R@6.0"	15.2	25.7	58.3	16.0
35		Field Note: NXDC, Broken Rock								
		Field Note: Possible Bedrock 33.0 ft								
40		34.0 ft - 39.0 ft, Light-pale-green chloritic ankeritic Greenstone, with amphibolite and hornblende. Moderately hard, Slightly weathered, Fair rock, NXMDC, Stained near vertical joint from 35.5-39.0 feet. RMR = 52	1 (85)	88 (0)	6 4 3 3					
		39.0 ft - 44.0 ft, Light-pale-green chloritic ankeritic Greenstone, with amphibolite and hornblende. Moderately hard, Slightly weathered, Fair rock, NXMDC, RMR = 52	2 (85)	100 (10)	4 3 4 4 5					
45		Hole stopped @ 44.0 ft								

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.