



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

BORING LOG

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

Boring No.: B-103

Page No.: 1 of 1

Pin No.: 10C410

Checked By: NSM

Boring Crew: SALISBURY, GARROW  
 Date Started: 5/03/12 Date Finished: 5/03/12  
 VTSPG NAD83: N 458436.07 ft E 1605096.79 ft  
 Station: 371+18 Offset: -24.00  
 Ground Elevation: 884.37 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
		Drilled same day.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.5 ft				4-4-7-4 (11)	13.6	23.4	48.7	27.9
1.5 - 2.5		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft				3-3-2-2 (5)	17.5	18.5	52.1	29.4
2.5 - 3.5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.8 ft				3-2-2-2 (4)	19.3	29.0	46.8	24.2
3.5 - 4.5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.5 ft				2-2-12-R@3.5" (14)	18.4	37.0	41.7	21.3
4.5 - 7.5		Visual Description: Broken Rock with Silty Sand, Rec. = 0.3 ft					3.4			
7.5 - 9.0		7.8 ft - 9.0 ft, NXDC, Weathered Rock. Very poor rock								Top of Bedrock @ 7.8 ft
9.0 - 14.0		9.0 ft - 14.0 ft, Light gray, To pale-green schist and feldspathic biotite quartzite Hard, Unweathered to slightly weathered, Good rock, NXMDC, RMR = 62	1 (30)	88 (58)	4					
14.0 - 19.0		14.0 ft - 19.0 ft, Light gray, To pale-green schist and feldspathic biotite quartzite Hard, Unweathered to slightly weathered, Good rock, NXMDC, RMR = 62	2 (30)	100 (70)	3					
19.0 - 20.0	Hole stopped @ 19.0 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.

BORING LOG 2 BARNARD BHF 0241(39).GPJ VERMONT AOT.GDT 6/20/12