



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

BORING LOG

DOVER  
BF 013-1 (20)  
VT-100 BR-59

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 13B058

Checked By: MLM

Boring Crew: HOOK, JUDKINS, NIETO  
Date Started: 8/01/14 Date Finished: 8/01/14  
VTSPG NAD83: N 163314.67 ft E 1541848.29 ft  
Station: 12+70 Offset: 14.90  
Ground Elevation: 1743.1 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 C = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
08/01/14	6.0	After drilling.

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 %
		Asphalt Pavement, 0.0 ft - 0.33 ft								
5		A-1-a, SaGr, blk-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				10-20-20-19 (40)	8.0	64.6	28.9	6.5
		A-1-b, SaGr, Lt/brn-blk, Moist, Rec. = 1.3 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				14-20-15-20 (35)	8.5	53.2	34.7	12.1
		A-2-4, Sa, brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing.				5-3-7-8 (10)	19.1	12.8	72.2	15.0
10		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft				6-2-5-R@3.5" (7)	14.2	32.4	57.5	10.1
		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				20-16-9-22 (25)	10.9	66.7	25.9	7.4
		A-1-b, SiSaGr, gry-Lt/brn, Moist, Rec. = 1.0 ft				16-16-24-16 (40)	11.8	38.4	36.5	25.1
15		A-4, SaSi, gry, Moist, Rec. = 1.2 ft				11-16-14-13 (30)	11.5	15.0	40.4	44.6
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft				23-27-20-20-20-20 (47)	12.6	34.3	45.9	19.8
		A-1-b, SaGr with Broken Rock, pink, Moist, Rec. = 0.2 ft				R@5.0" (47)	11.2	46.4	34.6	19.0
20		A-2-4, SiGrSa, gry, Moist, Rec. = 1.0 ft				R@5.0" (29)	15.2	15.9	52.9	31.2
		Field Note: NXDC, Cleaned out casing.				R@5.0" (R)	12.4	34.4	42.5	23.1
		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				R@5.0" (R)	11.5	36.5	43.6	19.9
25		Field Note: NXDC, Cleaned out casing.								
		A-2-4, SiSa, gry-brn-white, Moist, Rec. = 0.4 ft				R@5.0" (R)	14.6	8.8	61.7	29.5
		Field Note: NXDC, Cleaned out casing.								
30		A-2-4, SiSa, gry-brn-white, Moist, Rec. = 1.0 ft								
35		33.8 ft - 36.2 ft, Light gray, Medium-grained biotite-white albite-quartz Granofels, Hard, Unweathered, Fair rock, NXMDC	1 (20)	68 (46)	2					
		36.2 ft - 37.8 ft, Dark gray, Fine grained, biotite-rich albitic quartz Schist, Hard, Unweathered, Fair rock, RMR = 52			2					
		Field Note: 37.8 ft - 38.3 ft, Drilling Break			1					
40		38.3 ft - 43.3 ft, Dark gray, Fine grained, biotite-rich albitic quartz Schist, Hard, Unweathered, Good rock, NXMDC, RMR = 64	2 (20)	100 (100)	2					
					2					
					2					
45		Hole stopped @ 43.3 ft								
		Remarks: Hole collapsed at 14.1 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. C is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 DOVER BF 013-1(20).GPJ VERMONT AOT.GDT 8/20/14