



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-101**  
Page No.: 1 of 1  
Pin No.: 13B058  
Checked By: MLM

Boring Crew: HOOK, JUDKINS, NIETO  
Date Started: 7/31/14 Date Finished: 8/01/14  
VTSPG NAD83: N 163299.28 ft E 1541817.47 ft  
Station: 12+87 Offset: -15.00  
Ground Elevation: 1741.7 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	8.6	While 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 - 0.2 ft								
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.9 ft, NXDC, Cleaned out casing.				11-18-19-21 (37)	10.2	43.5	43.6	12.9
5		Field Note:, No Recovery., Appears to be Sandy Gravel. NXDC, Cleaned out casing.				11-9-5-2 (14)				
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				13-6-5-6 (11)	10.7	68.5	26.3	5.2
		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				9-9-R@1.0" (R)	9.2	57.5	33.7	8.8
10		A-4, SaSi, Lt/brn-gry, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing.				30-19-17-18 (36)	11.7	16.5	38.0	45.5
		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				13-15-26-37 (41)	12.8	15.2	28.8	56.0
		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				19-31-R@5.0" (R)	11.1	16.7	40.8	42.5
15		A-2-4, GrSiSa, gry, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.				9-25-R@6.0" (R)	11.8	31.6	36.8	31.6
		A-2-4, SiGrSa, Lt/brn, red-orange, Moist, Rec. = 1.1 ft, NXDC, Cleaned out casing.				27-48-R@6.0" (R)	14.4	30.3	43.8	25.9
20		A-1-b, SaGr, Lt/brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				42-R@5.0" (R)	11.2	41.3	38.8	19.9
		Field Note:, NXDC, Cleaned out casing.								
25		A-4, SaSi, Lt/brn, Moist, Rec. = 0.3 ft				R@3.5" (R)	17.1	6.7	32.8	60.5
30		Field Note:, NXDC, Cleaned out casing.								
		30.0 ft - 35.0 ft, Light gray to white, Albite-quartz Granofels, with dark gray fine grained biotite-rich albitic quartz-schist from 32.8 to 34.5 feet. Hard, Unweathered, Good rock, NXMDC, RMR = 61	1 (20)	94 (84)	2					
					2					
					2					
35		35.0 ft - 40.0 ft, Light gray to white, Albite-quartz Granofels, Hard, Unweathered, Good rock, NXMDC, RMR = 64	2 (20)	100 (90)	3					
					3					
					2					
					2					
40		Hole stopped @ 40.0 ft			4					
		Remarks: Hole collapsed at 6.6 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