



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-103**

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Pin No.: 13B058

Checked By: MLM

Boring Crew: HOOK, JUDKINS, NIETO

Date Started: 7/28/14 Date Finished: 7/29/14

VTSPG NAD83: N 163333.36 ft E 1541748.00 ft

Station: 13+65 Offset: -22.70

Ground Elevation: 1741.2 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 55 TRACK C_c = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
07/29/14	3.8	AM

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-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Grass and Broken Rock was within sample.				1-2-4-10 (6)	13.6	57.1	33.0	9.9	
		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				8-4-10-11 (14)	11.9	46.9	38.7	14.4	
		A-2-4, GrSa, brn, Moist, Rec. = 0.2 ft Field Note: NXDC, Cleaned out casing.				R@4.75" (R)	15.6	28.3	52.1	19.6	
10		A-1-b, SaGr, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				6-8-8-12 (16)	10.8	47.8	35.8	16.4	
		A-4, GrSaSi, gry, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				6-15-24-28 (39)	10.2	24.2	33.1	42.7	
		A-4, SaSi, gry, Moist, Rec. = 1.3 ft, NXDC, Cleaned out casing.				12-20-21-29 (41)	10.9	17.8	38.7	43.5	
15		A-1-b, SiSaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				30-29- R@4.75" (R)	10.4	51.1	27.2	21.7	
		Field Note: NXDC, Cleaned out casing.				31-41- R@2.38" (R)	10.5	16.6	44.7	38.7	
		A-4, SiSa, gry, Moist, Rec. = 0.5 ft Field Note: NXDC, Cleaned out casing. Field Note: No Recovery., NXDC, Cleaned out casing.				R@0.0" (R)					
20		A-2-4, SiGrSa, brn-gry, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				16-29- R@2.38" (R)	12.6	29.8	45.6	24.6	
		Field Note: NXDC, Cleaned out casing.				33- R@2.38 (R)	14.9	22.6	54.6	22.8	
		A-2-4, GrSiSa, brn-gry, Moist, Rec. = 0.6 ft									
25		Field Note: NXDC, Cleaned out casing.									
		A-2-4, SiSa, Dk/gry, Moist, Rec. = 0.4 ft Field Note: Appears to be a Boulder. POSSIBLE: TOP OF BEDROCK				R@6.0" (R)	15.8	12.7	60.8	26.5	
30		Field Note: No Recovery.									
		30.0 ft - 35.0 ft, Light gray to white, Albite-quartz Granofels, Hard, Unweathered, Good rock, NXMDC, RMR = 61	1 (20)	100 (84)	3						
35											
40		35.0 ft - 40.0 ft, Light gray to white, Albite-quartz Granofels, with near vertical stained joint from 38.2 to end of run. Hard, Unweathered, Fair rock, NXMDC, RMR = 57	2 (20)	100 (58)	3						
					2						
Hole stopped @ 40.0 ft											
Remarks: Hole collapsed at 22.4 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_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