



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

Boring No.: **B-101**

GUILFORD
BF 0113(68)
US-5 BR-5

Page No.: **1 of 1**

Pin No.: **13C064**

Checked By: **CEE**

Boring Crew: **GARROW, WHITLOCK, NIETO**

Date Started: **10/22/14** Date Finished: **10/23/14**

VTSPG NAD83: **N 115364.14 ft E 1620347.75 ft**

Station: **3+01** Offset: **-8.90**

Ground Elevation: **400.8 ft**

Type: **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** **C = 1.34**

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

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 - 0.44 ft								
5		A-1-b, SaGr, brn, gry, Moist, Rec. = 1.6 ft				25-13-12-12 (25)	10.2	43.6	41.9	14.5
		A-1-b, SiGrSa, gry, Moist, Rec. = 1.8 ft, Cleaned out with NXDC.				14-12-10-12 (22)	9.7	29.5	50.2	20.3
10		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft				6-8-7-8 (15)	14.2	21.6	54.6	23.8
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Cleaned out with NXDC.				9-8-9-10 (17)	8.9	48.3	39.9	11.8
		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.8 ft, Cleaned out with Roller Cone.				6-6-9-9 (15)	11.4	42.5	45.1	12.4
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.5 ft, Cleaned out with Roller Cone.				3-6-6-9 (12)	11.8	27.7	51.3	21.0
15		A-1-b, GrSa, brn-gry, Moist, Rec. = 11.6 ft, Cleaned out with NXDC.				6-4-4-4 (8)	11.6	34.8	51.7	13.5
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft				5-6-6-6 (12)	12.9	48.0	40.7	11.3
20		Lab Note, Mostly Broken Rock, brn, Moist, Rec. = 0.5 ft				23-28-19-R@5.0" (47)	11.1	64.7	29.2	6.1
		Field Note:, Cobbles & stones								
		Field Note:, No Recovery					9-4-5-9 (9)			
25		A-4, SiSa, gry-Dk/brn, Moist, Rec. = 0.8 ft, Material tested: Little Organics (12.4%)				5-3-5-5 (8)	63.8	17.5	45.1	37.4
		A-1-b, GrSa, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Lots of Broken Rock was within sample.				5-3-44-R@1.0" (47)	12.6	51.8	30.8	17.4
30		28.1 ft - 33.1 ft, Dark-gray to black, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Poor rock, NXMDC, RMR = 36	1 (?)	27 (0)	7					
					8					
					12					
35		33.1 ft - 38.1 ft, Dark-gray to black, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Poor rock, NXMDC, Black Phyllite beds very contorted. RMR = 36	2 (10)	82 (0)	12					
					7					
					4					
40		38.1 ft - 43.1 ft, Dark-gray to black, Pyllite and slate and light-gray metasandstone, Moderately hard, Unweathered, Poor rock, NXMDC, RMR = 36	3 (70)	74 (14)	3					
					4					
					4					
		Hole stopped @ 43.1 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 GUILFORD BF 0113(68).GPJ VERMONT AOT.GDT 11/12/14