



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

BORING LOG

BETHEL-RANDOLPH
 STP 2921(1)
 VT-12

Boring No.: B-109

Page No.: 1 of 1

Pin No.: 10C244

Checked By: MLM

Boring Crew: JUDKINS, GARROW, HOOK

Date Started: 12/03/13 Date Finished: 12/03/13

VTSPG NAD83: N 507884.38 ft E 1600624.37 ft

Station: 363+06 Offset: -8.30

Ground Elevation: 675.7 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

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 %
0.0 - 0.07		Asphalt Pavement, 0.0 ft - 0.07 ft								
0.07 - 0.3		Lab Note, Lots of Ground Asphalt pavement was within sample, Dk/brn, Moist, Rec. = 1.1 ft				14-10-9-10 (19)	7.0	46.1	38.8	15.1
0.3 - 0.8		A-1-b, SiGrSa, Dk/brn, Moist, Rec. = 0.3 ft, Lab Note: Ground Asphalt pavement was within sample.				8-11-10-7 (21)	10.0	35.2	43.1	21.7
0.8 - 1.0		Field Note:, No Recovery				7-8-8-6 (16)				
1.0 - 1.8		A-4, GrSaSi, Dk/gry, Moist, Rec. = 0.8 ft				4-3-3-4 (6)	22.3	20.7	35.0	44.3
1.8 - 2.4		A-2-4, SiSaGr, Dk/gry, MTW, Rec. = 0.6 ft				12-8-8-13 (16)	29.5	37.6	33.5	28.9
2.4 - 3.4		A-4, SiSa, brn-gry, MTW, Rec. = 1.0 ft				3-4-7-4 (11)	31.2	19.1	40.8	40.1
3.4 - 5.0		Lab Note, Sample was mostly Broken Rock, Dk/brn, Moist, Rec. = 0.3 ft				7-5-5-8 (10)	15.7	54.6	26.3	19.1
5.0 - 17.5		A-1-b, SiSaGr, gry-brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				7-5-7-6 (12)	18.0	45.8	33.8	20.4
17.5 - 20.0		Top of Bedrock @ 17.5 ft								
20.0 - 25.0		20.0 ft - 25.0 ft, Dark gray, Muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 59	1 (40)	90 (52)	6					
25.0 - 30.0		25.0 ft - 30.0 ft, Dark gray, Muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 63	2 (40)	96 (84)	2					
30.0 - 30.0		Hole stopped @ 30.0 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. 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 BETHEL-RANDOLPH STP 2921(1).GPJ VERMONT AOT.GDT 12/12/13