



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

BORING LOG

Waterbury-Stowe
STP 2945(1)
VT-100 Mast Arms

Boring No.: B-201
Page No.: 1 of 1
Pin No.: 11b342
Checked By: END

Boring Crew: Gonyaw, Garrow, Mazzei
Date Started: 7/19/17 Date Finished: 7/19/17
VTSPG NAD83: N 672502.70 ft E 1575810.04 ft
Station: 35+54 Offset: 40.20
Ground Elevation: 515.8 ft

Type: WB Sampler SS
I.D.: 3 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: Diedrich D25 CE = Unknown

Groundwater Observations		
Date	Depth (ft)	Notes
07/19/17	5.4	W.T. during 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 %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				2-2-2-2 (4)	10.0	35.9	44.2	19.9
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft				3-3-3-4 (6)	8.0	48.6	33.3	18.1
		A-4, GrSaSi, brn, Moist, Rec. = 1.4 ft				3-2-5-8 (7)	14.2	23.1	34.3	42.6
		A-1-b, SaSiGr, gry, Moist, Rec. = 1.6 ft, Lab Note: Broken and weathered rock was within sample Field Note:, BXDC, cleaned out casing				8-5-17-7 (22)	7.0	54.3	22.8	22.9
		A-1-b, GrSa, brn-gry, Moist, Rec. = 1.1 ft				8-8-R@2.5" (R)	14.2	36.6	43.7	19.7
		Field Note:, BXDC, roller cone cleaned out casing								
10		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft				R@5" (R)	19.2	35.3	49.3	15.4
		Field Note:, BXDC, roller cone cleaned out casing								
		Field Note:, No Recovery								
15		15.4 ft - 18.4 ft, Light gray-green, PHYLLITE, consisting of "sandy" quartz-muscovite-chlorite and thinly veined CaCO3 bearing quartz strewn throughout. Joints are rough with light orange oxidation. Moderately hard, Slightly weathered, Poor rock, BX, RMR=41	1 (75)	77 (26)	5	R@5" (R)				
		18.4 ft - 23.4 ft, Interbedded light gray-green and black, PHYLLITE, containing distinct cm wide zones of quartz-muscovite-chlorite and fine grained graphitic minerals. Both zones have CaCO3 bearing quartz strewn throughout. Joints are rough with light orange oxidation. Moderately hard, Slightly weathered, Fair rock, BX, RMR=49	2 (80)	48 (63)	6					
		23.4 ft - 25.4 ft, White, Pinstriped black PHYLLITE, with black cm wide zones of fine-grained, graphitic minerals and are sulfide bearing. White pinstripes are CaCO3 bearing quartzite. Low RQD value due in part to mechanical breking by drill. Moderately hard, Moderately weathered, Poor rock, RMR=29 BX	3 (75)	65 (0)	6					
		Hole stopped @ 25.4 ft			4					
20										
25										
Remarks: Hole collapsed at 8.5 feet.										

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<SUB>><<SUB>> 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.