



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

BORING LOG

Wallingford
Bridge No. 73A, ER Culv(39)
US Route 7

Boring No.: **B-3**
Page No.: **1 of 2**
Pin No.:
Checked By: **TAD**

Boring Crew: **NH Boring, Derry, NH, Burke (Stantec)**
Date Started: **4/29/14** Date Finished: **4/29/14**
VTSPG NAD83: **N 337853.50 ft E 1510675.75 ft**
Station: **11+05.50** Offset: **57.36 RT**
Ground Elevation: **582.0 ft**

Casing Sampler
Type: **Wash Bore SS**
I.D.: **4 in 1.38 in**
Hammer Wt: **300 140**
Hammer Fall: **24 30**
Hammer/Rod Type: **Safety/N**
Rig: **Diedrich D-50 C_s = 1**

Groundwater Observations

Date	Depth (ft)	Notes
04/29/14	4.0	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(ft N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Classification, GrSiSa, Dk/brn, Moist, Rec. = 0.8 ft	2-3-2-6 (5)				
2.5		Visual Classification, SiSa, Dk/brn, Moist, Rec. = 0.3 ft	5-14-22-29 (36)				
5.0		A-4, SaSi, gry, Wet, Rec. = 0.7 ft	90-80-11-10 (91)	31.0	2.0	45.0	53.0
7.5		No recovery, Wet, Rec. = 0.0 ft, 6.0 ft - 8.0 ft	14-7-11-12 (18)				
10.0		Visual Classification, GrSa, gry, Wet, Rec. = 1.2 ft	17-15-10-5 (25)				
12.5		A-1-b, GrSa, gry-brn, Wet, Rec. = 0.8 ft	10-2-5-8 (7)	20.1	38.0	42.0	20.0
15.0		Visual Classification, GrSa, gry, Wet, Rec. = 1.3 ft	19-37-36-36 (73)				
17.5		Visual Classification, GrSa, brn, Wet, Rec. = 1.2 ft	16-34-26-9 (60)				
20.0		Visual Classification, SiSa, brn, Wet, Rec. = 1.7 ft	12-13-12-23 (25)				
22.5		Visual Classification, SiSa, brn, Wet, Rec. = 1.2 ft	11-3-10-13 (13)				
		Sample too small for accurate description, Wet, Rec. = 0.1 ft, 20.0 ft - 22.0 ft	21-19-11-12 (30)				
		A-4, SaSi, brn, Wet, Rec. = 0.2 ft	11-12-11-3 (23)	21.7		45.0	55.0
		No recovery, Wet, Rec. = 0.0 ft, 24.0 ft - 26.0 ft	14-12-15-8				

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_s is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.



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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(ft N Value)	Moisture Content %	Gravel %	Sand %	Fines %
			(27)				
30.0		Visual Classification, SaSi, brn, Wet, Rec. = 0.2 ft	6-5-6-8 (11)				
35.0		Visual Classification, SiSa, tan, Wet, Rec. = 0.1 ft	17-12-11-14 (23)				
40.0		Visual Classification, SiSa, tan, Wet, Rec. = 0.8 ft	17-35-100/2' (R)				
		Hole stopped @ 41.2 ft					
		Top of Bedrock @ 41.2 ft					
		Remarks: Roller bit refusal at 41.2 feet below ground surface. Probable bedrock.					

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PROJECT NAME: **WALLINGFORD**
PROJECT NUMBER: **ER CULV(39)**

FILE NAME: z12b380_BOR_LOG 3.dgn PLOT DATE: 6/16/2016
PROJECT LEADER: G. BOGUE DRAWN BY: L. BUXTON
DESIGNED BY: T. DYKSTRA CHECKED BY: T. DYKSTRA
BORING LOG 3 SHEET 22 OF 36

