

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-1			
		St. Johnsbury BRO 1447(30)		Page No.: 1 of 3		Pin No.: 12J164			
		TH 371, Bridge #46 Over Sleepers River		Checked By: TAD					
Boring Crew: NH Boring, Derry, NH, Burke (Stantec)		Casing Sampler Type: WASH BORE SS		Groundwater Observations					
Date Started: 12/02/13 Date Finished: 12/04/13		I.D.: 4 in. 1.38 in.		Date	Depth (ft)	Notes			
VTSPG NAD83: N 696354.25 ft E 1766333.22 ft		Hammer Wt: 300 lb. 140 lb.		12/04/13	25.0				
Station: 17+47.61 Offset: 5.92 RT		Hammer Fall: 24 in. 30 in.							
Ground Elevation: 566.0 ft		Hammer/Rod Type: Safety/N							
		Rig: N,H,BORING - Truck				C = 1			
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. (ROD %) (2)	Drill Rate (min/ft)	Blow# (N Value)	Moisture Content (%)	Gravel %	Sand %	Fines %
	Asphalt, 0.0 ft - 0.5 ft Gravel base course, 0.5 ft - 2.0 ft 12 Inches of Concrete, 2.0 ft - 3.0 ft Visual Classification, Sa, brn, Molst, Rec. = 1.0 ft				3-3-2-4 (5)				
5	A-3, Sa, brn, Molst, Rec. = 1.0 ft				4.5-7.8 (12)	5.2	17.0	77.0	6.0
10	Visual Classification, GrSa, brn, Molst, Rec. = 0.3 ft				5.5-4.4 (9)				
15	Visual Classification, GrSa, brn, Molst, Rec. = 0.7 ft				7.6-5.5 (11)				
20	A-1-b, GrSa, brn, Molst, Rec. = 0.3 ft				2.3-3.4 (6)	17.2	21.0	69.0	10.0
25	A-2-4, SiSa, brn, Wet, Rec. = 1.5 ft				1.1-1.2 (2)	34.2		75.0	25.0
30	Visual Classification, Sa, brn, Wet, Rec. = 0.8 ft				10-11-12-12 (23)				
35	Visual Classification, Sa, brn, Wet, Rec. = 0.8 ft				6-7-10-10 (17)				

Notes:
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	A-1-b, Sa, brn, Wet, Rec. = 1.2 ft				10-17-18-12 (35)	16.6	20.0	74.0	6.0
45	Visual Classification, SiSa, brn, Wet, Rec. = 0.7 ft				16-25-80-99 (105)				
50	A-2-4, SiSa, Ltbrn, Wet, Rec. = 1.0 ft				26-25-29-30 (54)	21.8		76.0	24.0
55	Visual Classification, SiSa, gry, Wet, Rec. = 1.0 ft				24-24-33-36 (62)				
60	Visual Classification, SiSa, gry, Wet, Rec. = 1.3 ft				17-20-24-24 (44)				
65	A-2-4, SiSa, gry, Wet, Rec. = 0.8 ft				17-27-29-29 (56)	23.0		74.0	26.0
70	Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft				15-17-18-19 (35)				
75	A-3, Sa, gry, Wet, Rec. = 1.5 ft				24-24-25-28 (49)	19.2		94.0	6.0

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85	Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft								
90									
95	A-3, Sa, gry, Wet, Rec. = 1.3 ft								
100									
105	Visual Classification, Sa, gry, Wet, Rec. = 1.2 ft								
110	106.5 ft - 111.5 ft, Gry, Phyllite, Hard, Fresh, Good rock, NXDC, Joints are moderately dipping, moderately spaced, smooth to rough, and light, RMR = 61	1 (35-55)	98 (98)	4 (88)					
115	111.5 ft - 116.5 ft, Gry, Phyllite, Hard, Fresh, Good rock, NXDC, Joints are moderately dipping, moderately spaced, smooth to rough, and light, RMR = 64	2 (35-55)	97 (92)	12 (12)					
	Hole stopped @ 116.5 ft								

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