



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

BORING LOG

LUDLOW
BRF 025-1 (42)

Boring No.: B-105

Page No.: 1 of 2

Pin No.: 10J068

Checked By: SMC

Boring Crew: Geosearch, Inc. Fitchburg, MA, MJC
Date Started: 1/20/12 Date Finished: 1/24/12
VTSPG NAD83: N 326766.01 ft E 1588208.60 ft
Station: 103+72.35 Offset: 8.5 LT
Ground Elevation: 997.0 ft

Casing Sampler
Type: HW SS
I.D.: 4 in 1.38 in
Hammer Wt: 300 140 lb.
Hammer Fall: 24 30 in.
Hammer/Rod Type: Auto/N
Rig: CME 75 CE = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
01/23/12	10.0	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lip deg.)	Groundwater Observations						
				Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
0.0 - 0.7		Asphalt, 0.0 ft - 0.7 ft Visual Class.: Gravel with asphalt, gry, Moist, Rec. = 0.2 ft			25/2					
0.7 - 1.1	x x x	A-1-b, GrSa with asphalt, brn, Moist, Rec. = 1.1 ft			4-4-6-4	5.0	41.5	46.4	12.1	
1.1 - 1.3	x x x	A-3, Sa, brn, Moist, Rec. = 1.3 ft			4-4-5-10	2.7	0.6	91.5	7.9	
1.3 - 1.5		A-3, Sa, brn, Moist, Rec. = 1.5 ft			4-5-4-9	3.1	2.7	88.8	8.5	
1.5 - 0.8		A-2-4, Sa, brn, MTW, Rec. = 0.8 ft			4-9-4-9	14.6	6.9	75.3	17.8	
0.8 - 13.5		Cobbles, 11.0 ft - 13.5 ft			24-70/5-70+					
1.2 - 1.3		A-2-4, Sa, brn, Wet, Rec. = 1.2 ft			7-8-8-7	22.6	0.1	88.0	11.9	
1.3 - 1.5		A-2-4, Sa, brn, Wet, Rec. = 1.3 ft			7-8-8-16	23.2	0.1	86.4	13.5	
1.3 - 1.5		A-4, Si, brn, Wet, Rec. = 1.3 ft			4-9-11-11	31.7		14.5	85.5	
1.5 - 1.6		A-4, Si, brn, Wet, Rec. = 1.5 ft			10-9-10-10	28.3	3.4	11.9	84.7	
1.6 - 1.6		A-2-4, Sa, brn, Moist, Rec. = 1.6 ft			15-15-15-16	22.6		86.2	13.8	
28.0 - 33.0		Cobbles and boulders, 28.0 ft - 33.0 ft			15-19-19-16					
1.5 - 1.5		A-4, SiSa, brn, Wet, Rec. = 1.5 ft			16-18-19-22	28.6		60.8	39.2	
1.4 - 1.4		A-2-4, GrSiSa, gry-brn, Wet, Rec. = 1.4 ft			40-23-20-27	14.0	24.8	47.8	27.4	
1.7 - 1.7		A-2-4, GrSiSa, gry, Wet, Rec. = 1.7 ft			21-36-36-39	13.0	28.4	38.6	33.0	
47.0 - 49.0		Cobbles, 47.0 ft - 49.0 ft			50/0					
0.0 - 49.0		Rec. = 0.0 ft, 49.0 ft - 49.0 ft			50/0					
49.1 - 52.0		Cobbles, 49.1 ft - 52.0 ft			50+					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
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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				Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
52.0 - 53.5		Probable weathered rock, 52.0 ft - 53.5 ft								
53.5 - 55.0		53.5 ft - 55.0 ft								
55.0 - 59.0		55.0 ft - 59.0 ft, Gry, Phyllitic Schist, Hard, Slightly weathered, Poor rock, NXDC	1 (?)	58 (15)						Top of Bedrock @ 55.0 ft
59.0 - 64.0		59.0 ft - 64.0 ft, Gry, Phyllitic Schist, Very hard, Fresh, Very good rock, NXDC	2 (60)	100 (80)						
64.0 - 69.0		64.0 ft - 69.0 ft, Gry, Phyllitic Schist, Very hard, Fresh, Very good rock, NXDC	3 (65)	100 (92)						
69.0 - 69.0		Hole stopped @ 69.0 ft								

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