

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-105</b>				
LUDLOW BRF 025-1 (42)		Page No.: 2 of 2		Pin No.: 10J068				
Checked By: SMC		Groundwater Observations		Date				
Boring Crew: Geosearch, Inc. Fitchburg, MA, MJC		Type: HW	SS	Date	Notes			
Date Started: 1/20/12 Date Finished: 1/24/12		I.D.: 4 in	1.38 in	01/23/12	10.0			
VTSPG NAD83: N 326766.01 ft E 1588208.60 ft		Hammer Wt: 300	140 lb.					
Station: 103+72.35 Offset: 8.5 LT		Hammer Fall: 24	30 in.					
Ground Elevation: 997.0 ft		Hammer/Rod Type: Auto/N						
		Rig: CME 75	C <sub>e</sub> = 1.3					
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Blow/ft (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 (7)	58 (15)				
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 - 70.0		Hole stopped @ 69.0 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<sub>e</sub> is the hammer energy correction factor. C<sub>e</sub> 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.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: <b>B-106</b>			
LUDLOW BRF 025-1 (42)		Page No.: 1 of 1		Pin No.: 10J068			
Checked By: SMC		Groundwater Observations		Date			
Boring Crew: Geosearch, Inc. Fitchburg, MA, MJC		Type: HW	SS	Date	Notes		
Date Started: 1/25/12 Date Finished: 1/25/12		I.D.: 4 in	1.38 in	01/25/12	15.0		
VTSPG NAD83: N 326737.73 ft E 1588255.17 ft		Hammer Wt: 300	140 lb.				
Station: 103+99.60 Offset: 38.6 RT		Hammer Fall: 24	30 in.				
Ground Elevation: 998.0 ft		Hammer/Rod Type: Auto/N					
		Rig: CME 75	C <sub>e</sub> = 1.3				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blow/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
3-2-3-4		A-2-4, GrSiSa topsoil, bm, Moist, Rec. = 1.2 ft	43.7	21.2	45.3	33.5	
8-8-5-4		A-1-a, SaGr, bm, Moist, Rec. = 0.8 ft	5.3	51.7	37.7	10.6	
6-10-6-4		A-1-a, SaGr broken rock within sample; thin layer buried topsoil within sample, bm, Moist, Rec. = 0.4 ft	11.0	55.6	30.3	14.1	
4-5-5-6		A-1-b, SiGrSa, bm, Moist, Rec. = 0.6 ft	11.4				
50/1 (50+)		Gravel lodged in tip of sampler, gry, Moist, Rec. = 0.1 ft, 10.0 ft - 10.1 ft Cobbles and boulders, 10.5 ft - 13.0 ft					
87-28-20-50/3 (48)		Cobbles, 14.0 ft - 15.0 ft A-1-a, SaGr, bm, Wet, Rec. = 1.1 ft	10.4	63.5	23.8	12.7	
70-21-21-25 (42)		A-1-a, Gr sample mostly broken rock, gry, Wet, Rec. = 0.7 ft	11.0	69.3	19.5	11.2	
14-9-13-12 (21)		A-2-4, Sa, bm, Wet, Rec. = 1.2 ft	21.6	5.5	77.1	17.4	
12-9-9-6 (18)		A-2-4, Sa, bm, Wet, Rec. = 1.4 ft	19.2	2.7	85.0	12.3	
6-5-4-5 (9)		A-4, Si, bm, Wet, Rec. = 1.2 ft	27.8	0.4	14.3	85.3	
17-17-18-22 (38)		A-2-4, Sa, bm, Wet, Rec. = 1.8 ft	20.2	0.8	82.2	17.0	
13-11-14-12 (25)		A-2-4, SiSa, bm, Wet, Rec. = 1.3 ft	23.5	8.0	60.1	31.9	
22-22-20-18 (42)		Cobbles, 43.0 ft - 44.0 ft A-2-4, SiSa, gry, Wet, Rec. = 1.2 ft	13.2	18.5	49.2	32.3	
29-26-25-26 (51)		Cobbles, 47.0 ft - 49.0 ft A-2-4, GrSiSa broken rock within sample, gry, Wet, Rec. = 0.7 ft	11.6	26.4	41.0	32.6	
		Hole stopped @ 51.0 ft					

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EST. PILE PENETRATION

PROJECT NAME: LUDLOW  
 PROJECT NUMBER: BRF 025-1(42)  
 FILE NAME: z10J068borlogs.dgn PLOT DATE: 8/23/2016  
 PROJECT LEADER: A.P. GUYETTE DRAWN BY: E.F. LAWES  
 DESIGNED BY: VTRANS CHECKED BY: A.P. GUYETTE  
 BORING LOGS (3 OF 3) SHEET 34 OF 73

