



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

BORING LOG

LUDLOW
BRF 025-1 (42)

Boring No.: B-104
Page No.: 1 of 1
Pin No.: 10J068
Checked By: SMC

Boring Crew: Geosearch, Inc. Fitchburg, MA, MJC
Date Started: 1/30/12 Date Finished: 1/30/12
VTSPG NAD83: N 326788.52 ft E 1588166.51 ft
Station: 103+40.22 Offset: 51.3 LT
Ground Elevation: 998.0 ft

Casing: HW Sampler: SS
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
01/30/12	7.0	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Ashpalt, 0.0 ft - 0.7 ft		9.4	48.9	35.2	15.9
		A-1-b, SaGr, brn, Moist, Rec. = 1.8 ft	39-58-39-23 (97)	7.4	38.8	45.1	16.1
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	12-10-4-7 (14)				
		Visual Class:, sandy gravel, red-brn, Moist, Rec. = 0.3 ft	20-50/0 (50+)	21.1	31.7	47.2	21.1
		Cobble, 6.0 ft - 7.0 ft	8-10-7-8 (17)				
10		A-2-4, SiGrSa, brn, Wet, Rec. = 0.9 ft					
		Visual Class:, stone with silty sand, brn, Wet, Rec. = 0.4 ft	10-6-10-8 (16)	14.7			
		Gravel lodged in tip of sampler, Rec. = 0.1 ft, 12.0 ft - 14.0 ft	6-7-5-4 (12)				
		Visual Class:, silty sandy gravel, yel-brn, Wet, Rec. = 0.3 ft	10-6-7-18 (13)	19.7	42.6	22.7	34.7
		A-2-4, SaSiGr, gry-brn, Wet, Rec. = 1.0 ft	15-15-10-13 (25)				
20		A-4, SiSa, brn, Wet, Rec. = 1.7 ft	19-15-18-18 (33)	26.5	3.3	51.6	45.1
		A-4, SiSa, brn, Wet, Rec. = 1.9 ft	18-17-20-15 (37)	24.2	6.0	48.2	45.8
		A-2-4, SiSa, brn, Wet, Rec. = 1.5 ft	15-19-20-25 (39)	25.7	6.8	62.6	30.6
30		A-2-4, SiSa, brn-gry, Wet, Rec. = 1.4 ft	18-19-20-22 (39)	21.4	7.1	66.5	26.4
		A-2-4, SiSa, red-brn, Wet, Rec. = 1.3 ft	21-18-23-20 (41)	24.5	4.9	70.5	24.6
40		A-4, SaSi, gry, Wet, Rec. = 1.8 ft	36-36-40-36 (76)	15.8	15.1	37.9	47.0
		Cobble, 42.0 ft - 43.0 ft					
		A-2-4, GrSiSa, gry, Wet, Rec. = 1.3 ft	49-38-42-61 (80)	12.8	26.0	45.4	28.6
50		Rec. = 0.0 ft, 49.0 ft - 49.0 ft Hole stopped @ 49.0 ft	50/0 (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.