

Boring Crew: **GARROW, NIETO**
Date Started: **5/27/15** Date Finished: **5/27/15**
VTSPG NAD83: **N 335328.46 ft E 1585351.46 ft**
Station: **266+52** Offset: **-42.20**
Ground Elevation: **1033.6 ft**

Casing Type: **WB** Sampler: **SS**
I.D.: **4 in** **1.5 in**
Hammer Wt: **N.A.** **140 lb.**
Hammer Fall: **N.A.** **30 in.**
Hammer/Rod Type: **Auto/AWJ**
Rig: **CME 45C TRACK** **C_c = 1.34**

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Groundwater Observations				
				Moisture Content %	Gravel %	Sand %	Fines %	Notes
		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.3 ft	WH-WH-1-3 (1)	7.8	12.5	71.6	15.9	
		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.7 ft	2-5-4-5 (9)	9.4	15.8	68.3	15.9	
5		A-1-b, GrSa, brn, Moist, Rec. = 1.6 ft, Lab Note: Burnt Coal (Cinders) were within sample.	5-6-6-9 (12)	16.6	27.6	53.2	19.2	
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.3 ft	5-5-5-7 (10)	20.3	28.5	47.4	24.1	
10		A-2-4, SiGrSa, Lt/brn, Moist, Rec. = 1.6 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock & some Weathered Rock were within sample.	6-6-7-6 (13)	11.2	35.3	35.5	29.2	
		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 1.3 ft, Lab Note: Weathered Rock & Broken Rock were within sample.	4-7-9-24 (16)	10.6	43.4	32.7	23.9	
15		Field Note: NXDC, Cleaned out casing Visual Description: Severely Weathered Rock, Lt/brn, Moist, Rec. = 1.4 ft	18-22-26-26 (48)	12.4				
		Field Note: NXDC, Cleaned out casing						
20		Visual Description: Severely Weathered Rock, brn-Lt/brn, Moist, Rec. = 0.7 ft	30-R@2.5" (R)	12.7				
25		Visual Description: Small Broken Rock pieces, Dk/gry, Moist, Rec. = 0.3 ft Hole stopped @ 25.6 ft	5-R@1.0" (R)					
30		Remarks: Hole collapsed at 14.6 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 is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 LUDLOW HES SGNL(44).GPJ VERMONT AOT.GDT 6/15/15

Boring Crew: **DAIGNEAULT, GARROW, NIETO**
Date Started: **5/20/15** Date Finished: **5/21/15**
VTSPG NAD83: **N 335197.58 ft E 1585362.64 ft**
Station: **31+35** Offset: **0.00**
Ground Elevation: **1034.4 ft**

Casing Type: **WB** Sampler: **SS**
I.D.: **4 in** **1.5 in**
Hammer Wt: **N.A.** **140 lb.**
Hammer Fall: **N.A.** **30 in.**
Hammer/Rod Type: **Auto/AWJ**
Rig: **CME 45C TRACK** **C_c = 1.34**

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Groundwater Observations				
							Moisture Content %	Gravel %	Sand %	Fines %	Notes
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.2 ft				2-4-6-8 (10)	7.4	36.0	48.5	15.5	
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft, Cleaned out casing.				4-8-11-19 (19)	8.3	30.0	53.0	17.0	
5		A-1-b, GrSa, gry, MTW, Rec. = 0.5 ft Field Note: Cobbles				35-R@2.5" (R)	16.1	26.1	66.6	7.3	
		Visual Description: Severely Weathered Rock, brn, Moist, Rec. = 1.8 ft				11-14-16-17 (30)	13.1				
10		Lab Note, Broken Rock & Weathered Rock were within sample., brn, Moist, Rec. = 1.7 ft				9-9-10-11 (19)	15.6	39.0	36.6	24.4	
		Lab Note, Lots of Severely Weathered Rock was within sample., brn, Moist, Rec. = 1.3 ft				7-7-10-10 (17)	14.5	28.5	45.7	25.8	
15		Visual Description: Mostly Broken Rock, Rec. = 0.4 ft				R@5.0" (R)	10.7	52.7	29.5	17.8	
20		20.0 ft - 25.0 ft, Gray, mica-SCHIST, with quartz veins. Strongly foliated. Some brown staining on joints. Moderately hard, Very slightly weathered, (40) Good rock, NXMDC, RMR = 64	1 (85)	88	2						Top of Bedrock @ 20.0 ft
25		25.0 ft - 29.7 ft, Gray, mica-SCHIST, with quartz veins. Strongly foliated. Some brown staining on joints throughout core. Moderately hard, Very slightly weathered, Good rock, NXMDC, RMR = 61	2 (35-40)	94 (75)	3						
30		29.7 ft - 30.0 ft, Light brown, mica-SCHIST, Very soft, Severely weathered Hole stopped @ 30.0 ft			6						
35		Remarks: Hole collapsed at 20.3 ft.									

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