

Boring Crew: **GARROW, NIETO**

Date Started: 3/09/16 Date Finished: 3/22/16

VTSFG NAD83: N 683168.42 ft E 1702866.59 ft

Station: 41+90.6 Offset: 23.40

Ground Elevation: 1449.3 ft

Casing		Sampler	Groundwater Observations		
I.D.:	4 in	1.5 in	Date	Depth (ft)	Notes
Hammer Wt:	N.A.	140 lb.	03/14/16	3.2	W.T. Before Drilling
Hammer Fall:	N.A.	30 in.	03/16/16	10.2	W.T. Before Drilling
Hammer/Rod Type:	Auto/AWJ		03/22/16	5.5	W.T. Before Drilling
Rig:	CME 55 TRACK	C = 1.41			

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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blow/C ² (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-3.2	A-1-b, GrSa, brn-gry, Moist, Rec. = 0.8 ft, Lab Note: Grass, grass roots, and broken rock were within sample.		32	16.2	39.6	44.5	15.9
3.2-3.5	A-2-4, SiSa, gry, Moist, Rec. = 1.3 ft		R@3.5'	33.3	3.2	61.7	35.1
3.5-4.3	A-2-4, SiSa, gry-brn, Moist, Rec. = 1.4 ft, Lab Note: Pieces of wood and wood fibers were within sample.		1-1-1 (6)	43.2	10.5	61.2	28.3
4.3-5.5	A-1-a, SaGr, gry-brn, Moist, Rec. = 0.5 ft, Lab Note: Pieces of wood and wood fibers were within sample.		3-12-5 (21)	21.4	49.8	43.4	6.8
5.5-7.5	Field Note: Cleaned out with NXDC		5-7-5 (12)	16.1	20.5	37.4	42.1
7.5-8.5	Field Note: Cleaned out with NXDC		4-5-6 (10)	17.6	7.6	36.6	55.8
8.5-10.2	A-4, GrSiSa, gry, Moist, Rec. = 1.0 ft		7-8-7 (8)	21.5	2.2	25.0	72.8
10.2-11.8	A-4, SaSi, gry, Moist, Rec. = 1.8 ft		6-7-9-12 (13)	17.9	11.8	30.2	58.0
11.8-13.5	A-4, SaSi, gry, Moist, Rec. = 1.6 ft		7-7-8-7 (15)	22.8	0.3	33.0	66.7
13.5-15.1	A-4, SaSi, gry, Moist, Rec. = 1.5 ft		7-8-11-15 (19)	25.9	0.6	4.6	94.8
15.1-16.8	A-4, Si, gry, Moist, Rec. = 1.6 ft		14-12-11-18 (23)	23.2	0.1	15.0	84.9
16.8-18.4	A-4, Si, gry, Moist, Rec. = 1.4 ft		12-14-14-21 (28)	26.1		9.8	90.2
18.4-20.0	A-4, Si, gry, Moist, Rec. = 1.5 ft		8-11-13-24 (24)	27.4	0.5	6.1	93.4
20.0-22.6	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		6-9-13-15 (22)	31.4	0.1	2.1	97.8
22.6-24.2	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic.		9-13-14-16 (27)	26.5	0.2	10.2	89.6
24.2-25.8	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic.		7-12-15-23 (27)	30.1	0.3	5.9	93.8
25.8-27.4	A-4, Si, gry, Moist, Rec. = 2.0 ft		6-9-13-22 (22)	29.5	0.1	6.4	93.5
27.4-29.0	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		7-10-14-21 (24)	30.0	0.1	5.9	94.0
29.0-30.6	A-4, Si, gry, Moist, Rec. = 2.0 ft		8-14-20-27 (34)	31.4	0.2	4.5	95.3

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blow/C ² (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-8.13	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Sample tested non-plastic.		8-13-15-19 (28)	31.0	0.1	5.7	94.2
8.13-9.13	A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		9-13-19-24 (32)	30.3		3.8	96.2
9.13-17.20	A-4, Si, gry, Moist, Rec. = 1.7 ft		17-20-24-28 (44)	27.8	0.2	6.8	93.0
17.20-13-14	A-4, Si, gry, Moist, Rec. = 2.0 ft		13-14-23-32 (37)	29.4	0.1	10.3	89.6
13-14-18-24	A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		13-14-18-24 (32)	29.5		4.4	95.6
18-24-10-15	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Several thin layers of clay were within sample. Sample tested non-plastic.		10-15-19-29 (34)	29.8	0.1	2.5	97.4
10-15-9-13	A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		9-13-17-24 (30)	29.4		3.2	96.8

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blow/C ² (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-9-12-14	A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic.		9-12-14-19 (26)	31.5		3.8	96.2
9-12-14-19	A-4, Si, gry, Moist, Rec. = 1.9 ft, Lab Note: Sample tested non-plastic.		9-12-19-33 (31)	30.2		2.6	97.4
19-150	Field Note: No Recovery, Rec. = 0.0 ft Field Note: Attempted core runs for assumed bed rock 148,1-158,1, 3.0' recovery of boulder		R@1.0'				
150-160	Field Note: Cleaned out with BXDC A-2-4, SiSa, gry, Moist, Rec. = 1.8 ft		2-1-3-2 (4)	22.7	0.5	67.7	31.8
160-18-29	A-4, Si, brn, Moist, Rec. = 0.8 ft		18-29-32-35 (61)	20.6	14.7	12.7	72.6
18-29-32-35	A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft		9-34-35-36 (69)	14.8	53.2	28.1	18.7
35-181.6	Hole stopped @ 181.6 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.

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BORING LOG 2 CABOT-DANVILLE FECC-F 028-3(26) C/2 US-2 BR-87 VERMONT AOT.GDT. 6/16/16

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