



BORING LOG

Mount Holly
Bf 0133(12)
VT 155 Culv. 7

Boring No.: **B-101**
Page No.: 1 of 2
Pin No.: 12c594
Checked By: SPM

Boring Crew: Garrow, Emerson
Date Started: 9/27/16 Date Finished: 9/30/16
VTSPG NAD83: N 327803.89 ft E 1552774.05 ft
Station: 178+88 Offset: -20.00
Ground Elevation: 1620.0 ft

Type: Casing 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 SKISUB>><<SUB>> = 1.42

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|----------------------|
| 09/28/16 | 10.2 | W.T. before drilling |
| 09/29/16 | 9.8 | W.T. before drilling |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. (ROD %) | Drill Rate minutes/ft | Blows/ft (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|------------|---|----------------|-------------------|-----------------------|----------------------|--------------------|----------|--------|---------|
| 0 | | A-2-4, Sa, brn, Moist, Rec. = 0.4 ft | | | | 1-1-1-1 (2) | 9.5 | 19.3 | 63.9 | 16.8 |
| 5 | | A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft | | | | 2-4-6-3 (10) | 3.9 | 55.1 | 38.1 | 6.8 |
| | | A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample Field Note: NXDC, Cleaned out casing | | | | 5-6-10-8 (16) | 4.2 | 61.8 | 31.6 | 6.6 |
| | | A-1-a, SaGr, blk-brn, Moist, Rec. = 0.2 ft | | | | 5-3-2-2 (5) | 14.4 | 70.8 | 26.5 | 2.7 |
| | | Field Note: NXDC, Cleaned out casing | | | | 4-3-8-7 (11) | 10.0 | 47.6 | 29.4 | 23.0 |
| 10 | | A-1-b, SiSaGr, gry-brn, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample Field Note: NXDC, Cleaned out casing | | | | 3-4-15-19 (19) | 11.8 | 61.8 | 29.5 | 8.7 |
| | | A-1-a, SaGr, gry-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample Field Note: NXDC, Cleaned out casing | | | | 2-7-2-1 (9) | | | | |
| | | Field Note: No Recovery | | | | 10-21-25-35 (46) | 9.9 | 24.7 | 31.9 | 43.4 |
| 15 | | Field Note: NXDC, Cleaned out casing A-4, GrSaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken rock was within sample Field Note: NXDC, Cleaned out casing | | | | 26-46-28-R@0" (74) | 11.6 | 17.3 | 31.8 | 50.9 |
| | | A-4, SaSi, brn, Moist, Rec. = 1.1 ft | | | | 23-33-26-R@3.5" (59) | 13.2 | 19.3 | 30.7 | 50.0 |
| | | Field Note: NXDC, Cleaned out casing | | | | 23-28-32-R@3.5" (60) | 13.0 | 22.1 | 41.1 | 36.8 |
| 20 | | A-4, SaSi, brn, Moist, Rec. = 1.4 ft | | | | | | | | |
| | | A-4, GrSaSi, brn, Moist, Rec. = 1.4 ft | | | | | | | | |
| 25 | | Field Note: NXDC, Cleaned out casing | | | | | | | | |
| | | A-4, GrSaSi, gry-brn, Moist, Rec. = 0.7 ft | | | | 40-R@2.5" (R) | 9.7 | 20.0 | 36.7 | 43.3 |
| | | Field Note: Cobbles | | | | | | | | |
| 30 | | A-1-a, SaGr, gry-brn, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample | | | | R@3.5" (R) | 7.6 | 60.0 | 25.8 | 14.2 |

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
<<SUB>><<SUB>> 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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|------------|------------|---|----------------|-------------------|-----------------------|--------------------|--------------------|----------|--------|---------|
| 35 | | Field Note: NXDC, Cleaned out casing A-4, SiSa, brn, Moist, Rec. = 1.2 ft | | | | | | | | |
| | | | | | | | | | | |
| 40 | | Field Note: NXDC, Cleaned out casing A-4, SiSa, Lt/brn, Moist, Rec. = 0.2 ft Field Note: NXDC, Cleaned out casing | | | | | | | | |
| | | | | | | | | | | |
| 45 | | Field Note: No Recovery | | | | | | | | |
| | | | | | | | | | | |
| 50 | | 50.0 ft - 55.0 ft, Tan/white, Muscovite-biotite-plagioclase-quartz GRANITIC GNEISS, with rust and brown staining along joints. Medium hard, Moderately weathered, Poor rock, NX, RMR=27 | 1 (45) | 82 (0) | 4 | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 55 | | 55.0 ft - 60.0 ft, Tan/white, Muscovite-biotite-quartz GRANITIC GNEISS, with rust and brown staining along joints. Vertical joints at 57.0 feet to 57.3 feet and 58.3 feet to 58.6 feet. Medium hard, Moderately weathered, Poor rock, NX, RMR=36 | 2 (40) | 100 (0) | 4 | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 60 | | Hole stopped @ 60.0 ft | | | | | | | | |
| | | | | | | | | | | |
| | | Remarks: Hole collapsed at 9.0 feet. | | | | | | | | |
| | | 1. Sample was attempted at 50 feet. No penetration, no recovery. | | | | | | | | |
| 65 | | | | | | | | | | |

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