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

# BORING LOG

**HUNTINGTON**
**BF 0211(32)**
**TH-1 BR-8**

Boring No.: **B-102**
Page No.: 1 of 1
Pin No.: 13J080
Checked By: MLM

Boring Crew: DAIGNEAULT, JUDKINS, HOOK
Date Started: 9/05/14 Date Finished: 9/05/14
VTSPG NAD83: N 642892.67 ft E 1520036.77 ft
Station: 11+51 Offset: 6.30
Ground Elevation: 792.3 ft

| | Casing | Sampler |
|---|---|---|
| Type: | WB | 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 SKID | $C_e$ = 1.33 |

Groundwater Observations

| Date | Depth (ft) | Notes |
|---|---|---|
| 09/05/14 | 7.0 | After drilling. |
| | | |
| | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (RQD %) | Drill Rate minutes/ft | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Asphalt Pavement, 0.0 ft - 0.98 ft | | | | | | | | |
| | | A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft | | | | 7-6-3-4 (9) | 15.4 | 16.1 | 53.4 | 30.5 |
| | | A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft | | | | 6-5-4-3 (9) | 14.4 | 16.6 | 60.0 | 23.4 |
| 5 | | A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample. | | | | 1-3-4-6 (7) | 15.5 | 42.1 | 43.8 | 14.1 |
| | | A-1-a, SaGr, brn, Moist, Rec. = 1.6 ft, Lab Note: Broken Rock was within sample. | | | | 9-15-18-31 (33) | 4.7 | 57.8 | 32.6 | 9.6 |
| 10 | | A-1-a, SaGr, brn-white, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample. | | | | 17-20-27-19 (47) | 4.3 | 57.6 | 29.5 | 12.9 |
| | | A-1-b, SiSaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample. | | | | 13-17-12-9 (29) | 12.9 | 51.1 | 25.9 | 23.0 |
| | | A-4, Si, brn, Moist, Rec. = 0.3 ft | | | | 8-8-8-9 (16) | 21.6 | 19.5 | 15.5 | 65.0 |
| 15 | | A-4, SaSi, brn, MTW, Rec. = 0.9 ft | | | | 4-5-4-4 (9) | 19.3 | 16.9 | 40.4 | 42.7 |
| | | A-4, SaSi, brn, MTW, Rec. = 0.9 ft | | | | 2-3-5-5 (8) | 19.4 | 16.9 | 33.3 | 49.8 |
| 20 | | A-1-b, SiSaGr, red-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample. | | | | 11-13-17-7 (30) | 13.2 | 43.3 | 36.0 | 20.7 |
| 25 | | A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample. | | | | 12-14-22-25 (36) | 11.1 | 33.7 | 53.9 | 12.4 |
| 30 | | A-2-4, SiGrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample. | | | | 26-27-33-R@1.0" (60) | 12.9 | 31.9 | 45.8 | 22.3 |
| 35 | | 34.4 ft - 39.4 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Good rock, NXMDC, RMR = 72 | 1 (25) | 72 (30) | 5 5 5 5 5 | Top of Bedrock @ 34.4 ft | | | | |
| 40 | | 39.4 ft - 44.4 ft, Gray, Muscovite-chlorite-biotite-feldspar-quartz Metagraywacke, and schist with lenses of quartz. Hard, Unweathered, Very good rock, NXMDC, RMR = 84 | 2 (25) | 94 (94) | 5 6 5 5 6 | | | | | |
| 45 | | Hole stopped @ 44.4 ft | | | | | | | | |

Remarks:
1. Offsets were taken from the proposed centerline, not existing.

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. $C_e$ 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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