



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

BORING LOG

EAST MONTPELIER
 BRF 037-1(7)
 VT-14 BR-68

Boring No.: **B-302**

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Pin No.: 98B252

Checked By: MLM

Boring Crew: DAIGNEAULT, GARROW
 Date Started: 10/28/13 Date Finished: 10/28/13
 VTSPG NAD83: N 644677.65 ft E 1643381.89 ft
 Station: 145+88.3 Offset: -25.40
 Ground Elevation: 687.35 ft

Type: WB SS
 I.D.: 4.25 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 55 TRACK C_s = 1.46

Groundwater Observations

| Date | Depth (ft) | Notes |
|------|------------|-------------|
| | | None taken. |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|--|------------|--|--------------------|--------------------|----------|--------|---------|
| 5 | | A-4, SiSa, brn, Moist, Rec. = 0.5 ft | WH-WH-1-1 (1) | 15.2 | 15.0 | 47.7 | 37.3 |
| | | A-1-b, Sa, brn, Moist, Rec. = 1.2 ft | 2-2-2-1 (4) | 5.3 | 9.9 | 83.1 | 7.0 |
| 10 | | A-1-b, Sa, brn, Moist, Rec. = 0.7 ft | 2-1-2-2 (3) | 5.8 | 7.6 | 86.1 | 6.3 |
| | | A-4, Si, brn, MTW, Rec. = 0.5 ft | 2-2-2-2 (4) | 33.0 | 1.2 | 15.3 | 83.5 |
| A-4, Si, brn, MTW, Rec. = 1.6 ft, Sample was tested for Limits. (NP) | 39.9 | 0.3 | | 99.7 | | | |
| 15 | | A-4, Si, brn, MTW, Rec. = 1.5 ft, Sample was tested for Limits. (NP) | WH-1-3-3 (4) | 40.2 | | 0.4 | 99.6 |
| | | A-4, Si, brn, MTW, Rec. = 1.6 ft, Sample was tested for Limits. (NP) | WH-2-2-3 (4) | 40.6 | | 0.6 | 99.4 |
| 20 | | A-4, Si, brn, MTW, Rec. = 1.2 ft, Sample was tested for Limits. (NP) | 1-2-3-3 (5) | 37.8 | | 0.8 | 99.2 |
| | | A-4, Si, brn, MTW, Rec. = 1.6 ft, Sample was tested for Limits. (NP) | 3-3-3-3 (6) | 36.3 | | 1.6 | 98.4 |
| 25 | | A-4, Si, brn-gry, MTW, Rec. = 1.4 ft, Sample was tested for Limits. (NP) | 1-3-2-3 (5) | 35.0 | | 0.8 | 99.2 |
| | | A-4, Si, gry, MTW, Rec. = 1.3 ft | 2-2-1-1 (3) | 32.9 | 10.1 | 3.0 | 86.9 |
| 30 | | Visual Description: Broken Rock with sand, gry, Moist, Rec. = 0.3 ft, Insufficient sample for testing. | 17-13-13-48 (26) | | | | |
| 35 | | A-4, SaSi (HP), gry, Moist, Rec. = 0.8 ft | 30-R@5.0" (R) | 11.7 | 18.5 | 27.6 | 53.9 |
| | | A-4, SaSi (HP), gry, Moist, Rec. = 0.4 ft | R@5.0" (R) | 9.4 | 17.1 | 26.0 | 56.9 |

Hole stopped @ 35.4 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 EAST MONTPELIER BRF 037-1(7).GPJ VERMONT AOT.GDT 11/1/13