



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

BORING LOG

WARDSBORO  
 BF 013-1(22)  
 VT-100 BR-73

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 13B074

Checked By: TDE

Boring Crew: DAIGNEAULT, GARROW, JUDKINS

Date Started: 12/04/13 Date Finished: 12/04/13

VTSPG NAD83: N 194985.67 ft E 1558554.00 ft

Station: 284+24 Offset: -16.40

Ground Elevation: 1092.0 ft

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 55 TRACK C<sub>r</sub> = 1.46

Groundwater Observations

| Date     | Depth (ft) | Notes           |
|----------|------------|-----------------|
| 12/04/13 | 6.0        | While drilling. |
|          |            |                 |
|          |            |                 |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description)   | Blows/6" (N Value)   | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|------------|---|----------------------|--------------------|----------|--------|---------|
| 5          |            | A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft  | 16-10-5-5 (15)       | 10.1               | 25.1     | 62.0   | 12.9    |
|            |            | A-1-a, SaGr, Dk/brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample. | 7-7-9-9 (16)         | 9.0                | 50.5     | 40.5   | 9.0     |
|            |            | A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Lots of Broken Rock was within sample.    | 8-5-6-8 (11)         | 6.9                | 46.7     | 37.6   | 15.7    |
|            |            | A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Lots of Broken Rock was within sample.    | 6-8-10-10 (18)       | 8.1                | 48.1     | 40.6   | 11.3    |
|            |            | Lab Note, Sample was mostly broken Rock, brn-gry, Moist, Rec. = 0.4 ft                      | 33-23-28-R@3.5" (51) | 7.2                | 64.3     | 27.1   | 8.6     |
| 10         |            | Field Note:, Cleaned out with roller cone   | 14-R@1.0" (R)        | 8.5                | 49.8     | 36.6   | 13.6    |
|            |            | A-1-b, SaGr, gry, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample.    | 23-R@1.0" (R)        | 8.8                | 45.4     | 32.1   | 22.5    |
|            |            | Field Note:, Cleaned out with NXDC  |                      |                    |          |        |         |
| 15         |            | A-2-4, GrSiSa, gry, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.            | 30-35-26-R@2.5" (61) | 14.4               | 24.3     | 48.6   | 27.1    |
|            |            | A-2-4, SiSa, gry, MTW, Rec. = 1.3 ft  | 11-19-24-31 (43)     | 20.1               | 2.8      | 65.1   | 32.1    |
|            |            | A-2-4, SiSa, gry, Moist, Rec. = 1.4 ft, Cleaned out with NXDC.                              | 4-16-25-30 (41)      | 15.6               | 8.6      | 61.5   | 29.9    |
|            |            | Field Note:, No Recovery  | R@1.0"               |                    |          |        |         |
| 20         |            | Field Note:, Cleaned out with NXDC, Cobbles in cleanout.                                    |                      |                    |          |        |         |
|            |            | A-4, SaSi, gry, Moist, Rec. = 0.3 ft  | R@5.0"               | 9.5                | 17.8     | 41.0   | 41.2    |
|            |            | Field Note:, Cleaned out with NXDC  |                      |                    |          |        |         |
| 25         |            | A-4, GrSiSa (HP), gry, Moist, Rec. = 1.1 ft   | 32-47-R@5.0" (R)     | 9.3                | 21.0     | 40.1   | 38.9    |
|            |            | Hole stopped @ 25.1 ft  |                      |                    |          |        |         |

Remarks:  
 1. Hole collapsed at 13.4 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 WARDBORO BF 013-1(22).GPJ VERMONT AOT.GDT 12/16/13