



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

BORING LOG

MILTON  
IM 089-3(66)  
1-89 NB&SB BR-81 NB&SB

Boring No.: B-106  
Page No.: 1 of 1  
Pin No.: 10A060  
Checked By: TDE

Boring Crew: WERNER, WELLS  
Date Started: 7/26/11 Date Finished: 7/27/11  
VTSPG NAD83: N 779709.97 ft E 1473713.20 ft  
Station: 2785+41.0 Offset: 34.40  
Ground Elevation: 158.0 ft

Casing: WB  
Sampler: SS  
Type: WB SS  
I.D.: 3.5 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 CE = 1.33

Groundwater Observations

| Date | Depth (ft) | Notes |
|------|------------|-------|
|      |            |       |
|      |            |       |
|      |            |       |

| 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 % |
|------------|------------|--|----------------|---------------------|-----------------------|--------------------------|--------------------|----------|--------|---------|
|            |            | Field Note:, Cobbles where observed from ground surface to 2.0 ft.   |                |                     |                       |                          |                    |          |        |         |
|            |            | A-4, SiSa, brn, Wet, Rec. = 1.0 ft   |                |                     |                       | 3-4-3-5 (7)              | 22.6               | 5.6      | 50.8   | 43.6    |
| 5          |            | A-4, GrSaSi, brn, Wet, Rec. = 0.6 ft   |                |                     |                       | 1-2-1-2 (3)              | 14.4               | 22.3     | 35.2   | 42.5    |
|            |            | Field Note:, No Recovery   |                |                     |                       | 1-1-1-5 (2)              |                    |          |        |         |
|            |            | A-1-b, GrSa, brn, Wet, Rec. = 1.6 ft   |                |                     |                       | 3-4-4-4 (8)              | 14.9               | 34.0     | 61.2   | 4.8     |
| 10         |            | A-1-b, GrSa, brn, Wet, Rec. = 1.0 ft   |                |                     |                       | 2-3-3-2 (6)              | 13.9               | 39.9     | 53.0   | 7.1     |
|            |            | A-1-b, GrSa, brn, Wet, Rec. = 1.2 ft   |                |                     |                       | 3-4-4-6 (8)              | 14.0               | 34.8     | 57.6   | 7.6     |
| 15         |            | Field Note:, Refusal at 14.1 ft.<br>14.1 ft - 19.1 ft, Gray, Slate, with thin calcite veins. One near vertical joint at top of Run is iron stained.. Moderately hard, Unweathered, Very good rock, NXMDC, RMR=89 | 1 (30)         | 96 (94)             | 5                     | Top of Bedrock @ 14.1 ft |                    |          |        |         |
|            |            |  |                |                     | 5                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
|            |            |  |                |                     | 5                     |                          |                    |          |        |         |
| 20         |            | 19.1 ft - 24.1 ft, Gray, Slate, with thin calcite veins. Moderately hard, Unweathered, Very good rock, NXMDC, RMR=86   | 2 (30)         | 96 (84)             | 5                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
|            |            |  |                |                     | 4                     |                          |                    |          |        |         |
| 25         |            | Hole stopped @ 24.1 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. CE is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 MILTON IM 089-3(66).GPJ VERMONT AOT.GDT 9/22/11