



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

BORING LOG

WALDEN
BRF 030-3(5)
VT-15 BR-83

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 09B308

Checked By: NSM

Boring Crew: PORTER, DAVISON
Date Started: 4/26/12 Date Finished: 4/26/12
VTSPG NAD83: N 710823.78 ft E 1712397.75 ft
Station: 272+43 Offset: 7.00
Ground Elevation: 1630.91 ft

Casing: WB
Sampler: SS
Type: WB SS
I.D.: 3 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 |
|------|------------|-------|
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| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (ROD %) | Drill Rate minutes/ft | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|-------------|------------|---|----------------|---------------------|-----------------------|--------------------|--------------------|----------|--------|---------|
| 0.0 - 0.5 | | Asphalt Pavement, 0.0 ft - 0.5 ft A-1-b, SaGr, brn-gry, Moist, Rec. = 0.5 ft | | | | R@12.0" | 9.3 | 48.6 | 36.3 | 15.1 |
| 0.5 - 0.9 | | Visual Description: Mostly Asphalt Pavement with silty sand, brn, Moist, Rec. = 0.9 ft | | | | 37-17-10-10 (27) | 8.8 | | | |
| 0.9 - 1.1 | | Field Note: No Recovery | | | | 6-7-6-7 (13) | | | | |
| 1.1 - 1.5 | | Field Note: No Recovery | | | | 6-4-4-8 (8) | | | | |
| 1.5 - 1.9 | | A-4, SiSa, brn, Moist, Rec. = 1.1 ft | | | | 2-4-4-4 (8) | 29.0 | 18.5 | 43.8 | 37.7 |
| 1.9 - 2.3 | | Field Note: No Recovery, Lost water at 11.0 ft. | | | | 2-3-13-3 (16) | | | | |
| 2.3 - 2.6 | | A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft, Lots of Wood pieces were within sample. | | | | 4-4-5-4 (9) | 80.3 | 5.9 | 67.2 | 26.9 |
| 2.6 - 2.9 | | | | | | R@2.5" | | | | |
| 2.9 - 14.9 | | 14.9 ft - 19.5 ft, Dark-gray-to silvery-gray, muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 57 | 1 (30) | 92 (46) | 7 | | | | | |
| 14.9 - 19.5 | | | | | 7 | | | | | |
| 19.5 - 21.3 | | 19.5 ft - 21.3 ft, Dark-gray-to silvery-gray, muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Good rock, BXMDC, RMR = 69, Note: Short core run due to rig mechanical problems. | 2 (30) | 100 (94) | 6 | | | | | |
| 21.3 - 21.3 | | Hole stopped @ 21.3 ft | | | 5 | | | | | |

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 WALDEN BRF 030-3(5).GPJ VERMONT AOT.GDT 5/25/12



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BORING LOG

WALDEN
 BRF 030-3(5)
 VT-15 BR-83

Boring No.: B-102
 Page No.: 1 of 1
 Pin No.: 09B308
 Checked By: NSM

Boring Crew: PORTER, DAVISON
 Date Started: 4/24/12 Date Finished: 4/24/12
 VTSPG NAD83: N 710838.62 ft E 1712444.65 ft
 Station: 272+87 Offset: -15.00
 Ground Elevation: 1630.57 ft

Type: WB SS
 I.D.: 3 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 CE = 1.46

Groundwater Observations

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

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (ROD %) | Drill Rate minutes/ft | Groundwater Observations | | | | |
|------------|------------|---|----------------|---------------------|-----------------------|--------------------------|--------------------|----------|--------|---------|
| | | | | | | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| 5 | | A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft | | | | 3-5-6-6 (11) | 15.2 | 25.7 | 55.8 | 18.5 |
| | | A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft | | | | 4-5-5-5 (10) | 22.0 | 16.9 | 48.8 | 34.3 |
| | | A-4, SaSi, brn, Moist, Rec. = 1.9 ft | | | | 4-3-4-4 (7) | 31.6 | 4.8 | 42.7 | 52.5 |
| | | A-4, SaSi, brn, Moist, Rec. = 1.7 ft, Pieces of Wood were within sample. | | | | 2-3-3-3 (6) | 44.8 | 3.3 | 36.8 | 59.9 |
| | | A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Pieces of Wood were within sample. | | | | WH-1-1-1 (2) | 55.7 | 14.7 | 42.7 | 42.6 |
| 10 | | Visual Description: SiSa with Wood and Broken Rock, brn, Moist, Rec. = 0.1 ft, Insufficient sample for testing. | | | | 7-5-4-6 (9) | | | | |
| | | Field Note: Wood in sampler | | | | 8-R@2.0" | | | | |
| 15 | | 12.8 ft - 17.4 ft, Dark-bluish-gray micaceous Meta-Limestone, Hard, Unweathered, Good rock, BXMDC, RMR = 72 | 1 (NA) | 100 (59) | 5 | Top of Bedrock @ 12.8 ft | | | | |
| | | | | | 6 | | | | | |
| | | | | | 6 | | | | | |
| | | | | | 6 | | | | | |
| 20 | | 17.4 ft - 20.1 ft, Dark-bluish-gray micaceous Meta-Limestone, Hard, Unweathered, Good rock, BXMDC, RMR = 76 | 2 (NA) | 100 (78) | 5 | | | | | |
| | | | | | 4 | | | | | |
| | | | | | 5 | | | | | |
| | | 20.1 ft - 22.4 ft, Dark-gray-to silvery-gray, muscovite-biotite- quartz Phyllite, Moderately hard, Unweathered | (30) | | 5 | | | | | |
| | | Hole stopped @ 22.4 ft | | | 5 | | | | | |

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| 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. |
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