STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

# BORING LOG

**Williston-Essex**
**STP SGNL(46)**
**VT 2A**

Boring No.: **B-105**
Page No.: 1 of 1
Pin No.: 15t017
Checked By: ZMH

Boring Crew: GARROW, NIETO
Date Started: 5/20/16 Date Finished: 5/20/16
VTSPG NAD83: N 732224.84 ft E 1487003.73 ft
Station: 203+23.30 Offset: -44.90
Ground Elevation: 497.3 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 55 TRACK | CE = 1.41 |

Groundwater Observations

| Date | Depth (ft) | Notes |
|---|---|---|
| 05/20/16 | 5.9 | W.T. after drilling. |
| | | |
| | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (RQD %) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|---|---|---|---|---|---|---|---|---|---|
| | | Asphalt pavement., 0.0 ft - 0.7 ft | | | | | | | |
| | | A-1-A, SaGr, gry, Moist, Rec. = 1.1 ft, Lab Note: A lot of broken rock was within the sample. | | | 12-15-13-9 (28) | 5.2 | 64.4 | 26.6 | 9.0 |
| | | A-3, Sa, Lt/brn, Moist<br>Field Note:, NXDC, Cleaned out casing | | | 6-4-4-5 (8) | 6.3 | 9.4 | 80.4 | 10.2 |
| 5 | | A-1-B, GrSa, gry, Moist<br>Field Note:, NXDC, Cleaned out casing | | | 2-2-2-6 (8) | 14.1 | 45.4 | 51.6 | 3.0 |
| | | A-4, GrSaSi, gry-Lt/brn, Moist<br>Field Note:, NXDC, Cleaned out casing | | | 2-2-2-5 (4) | 18.9 | 23.3 | 35.2 | 41.5 |
| 10 | | A-4, SaSi, Lt/brn-gry, Moist, Lab Note: A thin rust colored layer was within the sample. | | | 7-8-7-10 (15) | 13.8 | 15.9 | 32.1 | 52.0 |
| | | A-4, GrSaSi, Lt/brn, Moist | | | 3-R (R) | 13.7 | 23.4 | 25.2 | 51.4 |
| | | Field Note:, NXDC, Cleaned out casing | | | | | | | |
| 15 | | | | | | | | | |
| | | 16.5 ft - 21.5 ft, Gray, Vuggy Phyllite, with quartz veins. Vugs are on weathered rusty surface from 16.5-17.0 ft. Rust staining on joints. Moderately hard, Slightly weathered, Poor rock, NX, RMR=39 | R-1 (40-45) | 84 (13) | Top of Bedrock @ 16.5 ft | | | | |
| 20 | | Hole stopped @ 21.5 ft | | | | | | | |
| | | Remarks:<br>Hole collapsed at 21.5 feet. | | | | | | | |
| 25 | | | | | | | | | |

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
<<SUB>><<SUB>> 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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