



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

BORING LOG

Poultney
BF0138(12)
SNR140 (TH-2) Br. #2

Boring No.: **B-101**
Page No.: 1 of 1
Pin No.: 13j276
Checked By: MLM

Boring Crew: Whitlock, Judkins, Coletti
Date Started: 5/19/16 Date Finished: 5/19/16
VTSPG NAD83: N 375622.30 ft E 1456508.91 ft
Station: 114+50 Offset: -11.00
Ground Elevation: 537.0 ft

Casing Type: WB Sampler: 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 45C SKID C = 1.42

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|---------------------|
| 05/19/16 | 9.8 | W.T. after drilling |

| 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 % |
|-------------|------------|---|----------------|---------------------|-----------------------|----------------------|--------------------|----------|--------|---------|
| 0.0 - 0.7 | | A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft | | | | 1-2-3-4 (5) | 9.0 | 37.4 | 46.6 | 16.0 |
| 0.7 - 0.9 | | A-1-a, SaGr, brn-gry, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample. | | | | 5-5-9-7 (14) | 7.8 | 60.4 | 29.6 | 10.0 |
| 0.9 - 0.7 | | A-1-a, SaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: A lot of broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 3-7-5-2 (12) | 6.3 | 66.0 | 25.7 | 8.3 |
| 0.7 - 1.2 | | A-1-a, SaGr, gry-brn, Moist, Rec. = 1.2 ft, Lab Note: A lot of broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 3-5-5-16 (10) | 11.3 | 61.4 | 26.7 | 11.9 |
| 1.2 - 1.0 | | A-1-b, SaGr, brn-gry, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 25-26-30-R@3.5" (56) | 9.6 | 48.9 | 34.7 | 16.4 |
| 1.0 - 0.8 | | A-1-b, SaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 17-50-R@0" (R) | 10.5 | 56.3 | 27.6 | 16.1 |
| 11.5 - 16.5 | | 11.5 ft - 16.5 ft, Light gray/green, PHYLLITE, with calcite and quartz veins. Slightly vuggy around calcite veins. Brown and light orange staining along joints and broken surfaces. Massive quartz vein at 16.2 to 16.5 feet. Quarts vein is very hard, very slightly weathered. Soft, Moderately weathered, Poor rock, NX, RMR=31 | 1 (55) | 54 (15) | 2 | | | | | |
| 16.5 - 19.5 | | 16.5 ft - 19.5 ft, Gray to light green, PHYLLITE, with quartz veins and rare vugs. Minor brown staining along joints. Moderately hard, Slightly weathered, Fair rock, NX, RMR=41 | 2 (55) | 48 (17) | 6 | | | | | |
| 19.5 - 19.7 | | 19.5 ft - 19.7 ft, Light green, Vuggy PHYLLITE, with brown coating on vugs. Very hard, Slightly weathered, Fair rock, NX, RMR=49 | 3 (N/A) | 34 (24) | 8 | | | | | |
| 19.7 - 21.5 | | 19.7 ft - 21.5 ft, Pearly white, Massive vitreous QUARTZ, with plagioclase feldspar along joints. Orange and faint brown staining along joints. Very hard, Slightly weathered, Fair rock, RMR=49 | | | 11 | | | | | |
| 21.5 - 22.5 | | Hole stopped @ 21.5 ft | | | | | | | | |
| 22.5 | | Remarks: Hole collapsed at 11.6 feet. | | | | | | | | |

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 POULTNEY BF0138(12), GPJ VERMONT AOT, GDT 6/24/16