

Boring Crew: JUDKINS, HOOK, DAIGNEAULT
 Date Started: 6/04/14 Date Finished: 6/05/14
 VTSPG NAD83: N 700829.18 ft E 1761670.17 ft
 Station: 62+95 Offset: 15.50
 Ground Elevation: 664.61 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
 Rlg: CME 55 TRACK C = 1.46

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|-----------------|
| 06/05/14 | 2.2 | While drilling. |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (ROD %) | Drill Rate (minutes/ft) | Blows/ft* (N Value) | Moisture Content % | Gravel % | Sand % | Fines % | LL % | PI % |
|------------|------------|--|----------------|---------------------|-------------------------|---------------------|--------------------|----------|--------|---------|------|------|
| | | | | | | | | | | | | |
| 4 | | A-4, SaSi, brn, Moist, Rec. = 0.4 ft, Lab Note: Sticks & Wood were within sample. | | | | WH-1-WH-1 (1) | 33.3 | 14.2 | 25.7 | 60.1 | | |
| 5 | | A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft, Cleaned out with roller cone. Lab Note: Wood & Broken Rock were within sample. | | | | 8-3-3-6 (6) | 18.6 | 17.6 | 54.4 | 28.0 | | |
| 5 | | A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. | | | | 11-R@5.0" (R) | 8.3 | 61.3 | 25.5 | 13.2 | | |
| 5 | | Field Note: Cleaned out with roller cone | | | | | | | | | | |
| 5 | | A-6, SiCl, gry, MTW, Rec. = 2.0 ft | | | | 5-2-1-2 (3) | 41.3 | 0.2 | 0.4 | 99.4 | 36 | 16 |
| 10 | | Field Note: Attempted Shelby Tube sample, No Recovery. | | | | | | | | | | |
| 10 | | Field Note: Attempted Shelby Tube sample, No Recovery. | | | | | | | | | | |
| 15 | | A-7-6, Cl, gry, MTW, Rec. = 2.0 ft, Cleaned out with roller cone. | | | | 5-6-2-2 (8) | 45.0 | 3.8 | 0.4 | 95.8 | 45 | 23 |
| 15 | | A-6, SiCl, gry, MTW, Rec. = 2.0 ft, Cleaned out with roller cone. | | | | WR-WR-2-2 (2) | 40.3 | 4.6 | 0.5 | 94.9 | 38 | 17 |
| 15 | | A-4, ClSi, gry, MTW, Rec. = 2.0 ft, Cleaned out with roller cone. | | | | WH-WH-2-2 (2) | 34.0 | 3.7 | 0.1 | 96.2 | 29 | 9 |
| 15 | | A-4, ClSi, gry, MTW, Rec. = 2.0 ft | | | | WH-1-1-2 (2) | 30.7 | | 0.4 | 99.6 | 27 | 7 |
| 20 | | A-4, Si, gry, MTW, Rec. = 2.0 ft, Lab Note: A very thin layer of clay was noticeable. | | | | WH-1-2-3 (3) | 30.9 | | 0.7 | 99.3 | | |
| 25 | | Field Note: Cleaned out with roller cone | | | | | | | | | | |
| 25 | | A-4, SaGrSi, gry, Molst, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. | | | | 16-16-10-17 (26) | 10.6 | 32.0 | 31.4 | 36.6 | | |
| 30 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 30 | | Field Note: No Recovery | | | | R@0.0" (R) | | | | | | |
| 35 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 35 | | A-4, SaSi, gry, Moist, Rec. = 0.3 ft | | | | R@3.5" (R) | 8.3 | 10.0 | 36.9 | 53.1 | | |

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.

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|------------|------------|---|----------------|---------------------|-------------------------|---------------------|--------------------|----------|--------|---------|------|--------------------------|
| | | | | | | | | | | | | |
| 40 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 40 | | A-2-4, GrSiSa, gry, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample. | | | | R@3.5" (R) | 7.5 | 31.2 | 36.4 | 32.4 | | |
| 45 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 45 | | A-4, SaGrSi, gry, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. | | | | 24-R@5.0" (R) | 7.9 | 33.7 | 27.0 | 39.3 | | |
| 50 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 50 | | A-4, GrSaSi, gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. | | | | R@5.0" (R) | 9.1 | 28.4 | 32.7 | 38.9 | | |
| 55 | | Field Note: Cleaned out with NXDC | | | | | | | | | | |
| 55 | | A-4, SaSi, gry, Moist, Rec. = 1.2 ft | | | | 17-49-R@2.5" (R) | 9.3 | 12.8 | 40.7 | 46.5 | | |
| 60 | | 57.7 ft - 62.7 ft, Bluish-gray, Siliceous Meta-Limestone, Hard, Unweathered, Good rock, NXMDC, RMR = 76 | 1 (?) | 90 (90) | 3 | | | | | | | Top of Bedrock @ 57.7 ft |
| 60 | | | | | 4 | | | | | | | |
| 60 | | | | | 3 | | | | | | | |
| 60 | | | | | 3 | | | | | | | |
| 60 | | | | | 3 | | | | | | | |
| 65 | | 62.7 ft - 67.7 ft, Bluish-gray, Siliceous Meta-Limestone, Hard, Unweathered, Good rock, NXMDC, RMR = 76 | 2 (?) | 92 (92) | 3 | | | | | | | |
| 65 | | | | | 2 | | | | | | | |
| 65 | | | | | 3 | | | | | | | |
| 65 | | | | | 2 | | | | | | | |
| 65 | | | | | 2 | | | | | | | |
| 70 | | Hole stopped @ 67.7 ft | | | | | | | | | | |
| 75 | | Remarks: Hole collapsed at 54.0 ft. | | | | | | | | | | |

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BORING LOG 2 ST. JOHNSBURY BF 7000(20).GPJ VERMONT AOT.GDT 1/22/15

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