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

BORING NUMBER: B-10
SHEET 1 of 2
DATE STARTED: 2/01/00
DATE COMPLETED: 2/17/00

PROJECT NAME: WARREN
SITE NAME: VT-100
STATION: 207+18
OFFSET: 17.06
VTSPG: N 598391.21 ft E 1549983.24 ft

PROJECT NUMBER: BRF 013-4(14)
SITE NUMBER: BR-173
GROUND ELEVATION: 779.16 ft
GROUNDWATER DEPTH:
PROJECT PIN NUMBER: 78F242

BORING CREW
CREW CHIEF: McGLYNN
DRILLER: CHABOT
LOGGER: YOUNG

BORING RIG: TRACTOR
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CCB

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER FOOT | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|---|---|---|---|---|---|---|---|
| | | BOTTOM OF FOOTING 773.00 | | | | | |
| | | A-2-4, SiSa, Dk/brn, MTW, Rec. = 0.5 ft | R | 41.3 | 4.7 | 68.6 | 26.7 |
| 10 | | BXDC, Boulder, 8.4 ft - 9.8 ft | | | | | |
| | | A-2-4, SiSa, brn, MTW, Rec. = 1.2 ft | 13 | 28.7 | 7.3 | 71.4 | 21.3 |
| | | A-2-4, SiSa, brn, MTW, Rec. = 0.8 ft | 12 | 26.3 | 2.8 | 71.3 | 25.9 |
| 20 | | A-2-4, SiSa, brn, MTW, Rec. = 0.9 ft | 9 | 24.6 | 3.8 | 75.6 | 20.6 |
| | | A-2-4, SiSa, brn, MTW, Rec. = 1.1 ft | 14 | 23.8 | 1.6 | 77.4 | 21.0 |
| 30 | | A-2-4, Sa, brn, MTW, Rec. = 1.4 ft | 21 | 24.3 | 1.1 | 85.9 | 13.0 |
| | | A-3, Sa, brn, MTW, Rec. = 1.0 ft | 16 | 23.2 | 1.3 | 91.4 | 7.3 |
| | | A-4, Si, gry, MTW, Rec. = 0.2 ft | | 28.1 | 0.2 | 14.1 | 85.7 |
| 40 | | A-4, Si, gry, MTW, Rec. = 1.0 ft | 14 | 28.5 | 1.0 | 10.4 | 88.6 |
| | | A-4, Si, gry, MTW, Rec. = 1.0 ft | 18 | 36.6 | 0.3 | 1.8 | 97.9 |
| 50 | | A-4, Si, gry, MTW, Rec. = 1.0 ft | 14 | 31.4 | 0.0 | 8.0 | 92.0 |
| | | A-4, Si, gry, MTW, Rec. = 2.0 ft | 13 | 33.9 | 0.0 | 4.7 | 95.3 |
| 60 | | A-4, SaSi, gry, MTW, Rec. = 1.0 ft | 17 | 28.4 | 2.0 | 20.3 | 77.7 |
| | | A-4, Si, gry, MTW, Rec. = 1.1 ft | 19 | 28.9 | 10.1 | 10.2 | 79.7 |
| 70 | | A-4, Si, gry, MTW, Rec. = 1.0 ft | 19 | 21.9 | 13.0 | 10.0 | 77.0 |

LOG OF BORING WARREN BRF 013-4(14).GPJ VT AOT.GDT 4/7/09

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SHEET 2 of 2
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STATION: 207+18
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LOGGER: YOUNG

BORING RIG: TRACTOR
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CCB

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER FOOT / RUN | M.C. (%) / REC (%) | GRAVEL (%) / RQD (%) | SAND (%) / Dip (deg) | FINES (%) / Drill Rate (min/ft) |
|---|---|---|---|---|---|---|---|
| | | A-4, SaSi, gry, MTW, Rec. = 1.2 ft | 32 | 23.6 | 13.3 | 28.7 | 58.0 |
| 80 | | No sample, Cored ahead, 78.7 ft - 80.7 ft | | | | | |
| | | A-2-4, SiSa, brn, MTW, Rec. = 2.0 ft | 24 | 23.0 | 0.2 | 67.2 | 32.6 |
| 90 | | A-2-4, Sa, brn, MTW, Rec. = 2.0 ft | 33 | 22.4 | 0.1 | 80.6 | 19.3 |
| | | A-4, SaSi, brn, MTW, Rec. = 2.0 ft | 20 | 26.4 | 6.4 | 37.2 | 56.4 |
| 100 | | A-1-a, SaGr HP, gry, Moist, Rec. = 0.9 ft | R | 10.3 | 52.8 | 37.2 | 10.0 |
| | | BXDC, Boulders, 101.4 ft - 103.3 ft | | | | | |
| | | A-2-4, GrSa, gry, Moist, Rec. = 0.5 ft | 43 | 10.3 | 22.5 | 60.2 | 17.3 |
| 110 | | A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft | R | 12.2 | 24.1 | 47.4 | 28.5 |
| | | A-3, Sa, gry, MTW, Rec. = 0.5 ft | R | 22.9 | 0.2 | 94.1 | 5.7 |
| 120 | | A-1-a, SaGr HP, gry, Dry, Rec. = 0.4 ft | R | 9.2 | 61.0 | 31.9 | 7.1 |
| | | A-3, Sa, gry, Moist, Rec. = 0.7 ft | R | 16.2 | 15.9 | 76.3 | 7.8 |
| | | No Recovery, Boulders, 128.0 ft - 128.2 ft | R | Top of Bedrock @ 129.9 ft | | | |
| 130 | | Gray, Quartz-sericite-chlorite schist, Competent. Fracturing of core sample due to mechanical breakage., Moderately hard, Unweathered, BXDC, 129.9 ft - 134.7 ft, Rec. = 4.66 ft | 1 | 97 | 90 | 60 | |
| | | Gray, Quartz-sericite-chlorite schist, Poor RQD. Numerous closely spaced joints., Moderately hard, Unweathered, BXDC, 134.7 ft - 139.2 ft, Rec. = 3.56 ft | 2 | 79 | 28 | 60 | |
| 140 | | Hole stopped @ 139.2 ft | | | | | |

EST. PILE PENETRATION 650.00

LOG OF BORING WARREN BRF 013-4(14).GPJ VT AOT.GDT 4/7/09

BOTTOM OF FOOTING

EST. PILE PENETRATION

PROJECT NAME: WARREN
PROJECT NUMBER: BRF 013-4 (14)

FILE NAME: s78f242bor.dgn
PROJECT LEADER: J. LACROIX
DESIGNED BY: U. STANLEY
BORING LOG SHEET 3

PLOT DATE: 27-JUL-2012
DRAWN BY: U. STANLEY
CHECKED BY: J. LACROIX
SHEET 45 OF 83