

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION**

HOLE NO.: B-1
SHEET 1 OF 1
DATE STARTED: 8/3/99
DATE COMPLETED: 8/5/99

PROJECT NAME: MENDON
SITE NAME: BR-3
STATION: 2+124.00
GROUND EL.: 298.279

PROJECT NUMBER: BRO 1443 (35)
SITE NO.: TH-1
OFFSET: -6.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: YOUNG
ADDITIONAL CREW:

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

| DEPTH | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 0.3 m | M.C. % | GRAVEL % | SAND % | FINES % | LL | PI |
|-------|--------|---|-----------------------|-----------|-------------|-----------|------------|----|----|
| | | BXDC, 0.0m-1.5m, Boulders, | | | | | | | |
| | | BXDC, 1.5m-3.6m, Boulders, | | | | | | | |
| | | BXDC, 3.85m-4.30m, Boulders, | | | | | | | |
| | | BXDC, 4.50m-4.90m, Boulders, | | | | | | | |
| 5 | | A-l-b, SaGr, brn, Moist, Rec. = 0.34m | R | 11.5 | 41.9 | 40.9 | 17.2 | | |
| | | BXDC, 7.15m-7.70m, Boulders, | | | | | | | |
| | | BXDC, 8.00m-8.50m, Boulders, | | | | | | | |
| | | BXDC, 8.80m-9.35m, Boulders, | | | | | | | |
| 10 | | BXDC, 9.80m-10.30m, Boulders | | | | | | | |
| | | BXDC, 10.70m-11.10m, Boulders | | | | | | | |
| | | BXDC, 11.40m-12.60m, Note: Casing driven to 11.40m. Unable to penetrate stratum any further due to worn out bit. Cored ahead of casing 1.20m with BXDC core barrel. | | | | | | | |
| | | | Hole stopped @ 12.60m | | | | | | |

GEOLOGISTS REPORT:

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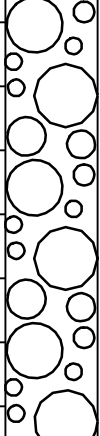




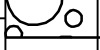

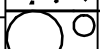




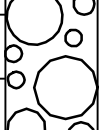
HOLE NO.: B-2
SHEET 1 OF 1
DATE STARTED: 7/14/99
DATE COMPLETED: 7/15/99

PROJECT NAME: MENDON
SITE NAME: BR-3
STATION: 2+121.00
GROUND EL.: 298.014

PROJECT NUMBER: BRO 1443 (35)
SITE NO.: TH-1
OFFSET: 6.30
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: YOUNG
LOGGER:
ADDITIONAL CREW:

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

| DEPTH | SYMBOL | CLASSIFICATION OF MATERIALS <i>(Description)</i> | BLOWS PER 0.3 m | M.C. % | GRAVEL % | SAND % | FINES % | LL | PI |
|-----------------------|---|---|-----------------------|-----------|-------------|-----------|------------|----|----|
| |  | 1.00m-1.30m, No Rec., Hit Boulder at 1.30m | R | | | | | | |
| |  | BXDC, 1.30m-4.80m, Boulders, Cleaned out casing, Cored ahead to 5.00m. | | | | | | | |
| 5 |  | A-1-b, Sa, brn, MTW, Rec. = 0.07m | R | 27.3 | 15 | 76.4 | 8.6 | | |
| |  | BXDC, 5.30m-5.90m, Boulders | | | | | | | |
| |  | A-1-b, GrSa, brn, Moist, Rec. = 0.34m | 65 | 10 | 40.4 | 47.6 | 12 | | |
| |  | 7.00m-7.12m, Broken Rock Rec. = 0.08m | R | | | | | | |
| |  | BXDC, 7.12m-7.65m, Boulders | | | | | | | |
| |  | A-1-b, GrSa, brn, Moist, Rec. = 0.12m | 79 | 10.1 | 39.5 | 42 | 18.5 | | |
| |  | 8.45m-9.00m, Boulder | | | | | | | |
| |  | A-1-b, GrSa, brn, Moist, Rec. = 0.23m | 98 | 12 | 40.6 | 42.6 | 16.8 | | |
| 10 |  | 10.00m-10.60m, Boulders | | | | | | | |
| |  | BXDC, 11.25m-12.00m, Boulders, | | | | | | | |
| |  | A-2-4, SiGrSa, Lt/brn, Moist, Rec. = 0.12m | R | 13.7 | 28.7 | 44.4 | 26.9 | | |
| |  | BXDC, 12.30m-13.50m, Boulders Note: Broke bit off core barrel. Lost bit down inside of casing. | | | | | | | |
| Hole stopped @ 13.50m | | | | | | | | | |

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
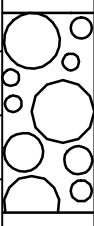


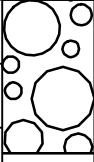

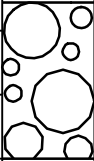
HOLE NO.: B-3
SHEET 1 OF 1
DATE STARTED: 7/26/99
DATE COMPLETED: 7/27/99

PROJECT NAME: MENDON
SITE NAME: BR-3
STATION: 2+159.00
GROUND EL.: 299.687

PROJECT NUMBER: BRO 1443 (35)
SITE NO.: TH-1
OFFSET: -2.50
G.W. DEPTH:

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER: CHABOT
LOGGER: RUSSELL
ADDITIONAL CREW:

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

| DEPTH | SYMBOL | CLASSIFICATION OF MATERIALS <i>(Description)</i> | BLOWS PER 0.3 m | M.C. % | GRAVEL % | SAND % | FINES % | LL | PI |
|-------|---|---|-----------------------|-----------|-------------|-----------|------------|----|----|
| |  | No Rec. | 7 | | | | | | |
| |  | A-1-a, Gr, brn, Moist, Rec. = 0.12m | R | 6.2 | 78.8 | 11.9 | 9.3 | | |
| 5 |  | BXDC, 4.20m-5.76m, Boulders | | | | | | | |
| |  | A-1-b, SiSaGr, brn, Moist, Rec. = 0.25m | R | 10 | 49.6 | 29.9 | 20.5 | | |
| |  | A-1-b, GrSa, brn, Moist, Rec. = 0.41m | R | 12.3 | 37.8 | 45 | 17.2 | | |
| |  | BXDC, 9.00m-10.20m, Boulders | | | | | | | |
| 10 |  | BXDC, 10.45m-10.97m, Boulders | | | | | | | |
| |  | BXDC, 11.28m-12.50m, Boulders Advanced casing to 11.28m. Cored ahead to 12.50m. | | | | | | | |
| | | Hole stopped @ 12.50m | | | | | | | |

GEOLOGISTS REPORT:

**STATE OF VERMONT
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HOLE NO.: B-4
SHEET 1 OF 1
DATE STARTED: 7/20/99
DATE COMPLETED: 7/21/99

PROJECT NAME: MENDON
SITE NAME: BR-3
STATION: 2+159.00
GROUND EL.: 298.639

PROJECT NUMBER: BRO 1443 (35)
SITE NO.: TH-1
OFFSET: 6.30
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: RUSSELL
LOGGER: YOUNG
ADDITIONAL CREW:

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

| DEPTH | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 0.3 m | M.C. % | GRAVEL % | SAND % | FINES % | LL | PI |
|-------|--------|--|-----------------------|-----------|-------------|-----------|------------|----|----|
| | | BXDC, 0.0m-1.30m, Boulders | | | | | | | |
| | | A-2-4, GrSa, brn, MTW, Rec. = 0.05m | 2 | 42.3 | 21.5 | 59.2 | 19.3 | | |
| | | BXDC, 2.20m-2.65m, Boulders | | | | | | | |
| | | BXDC, 2.75m-3.15m, Boulders | | | | | | | |
| | | BXDC, 3.30m-3.65m, Boulders | | | | | | | |
| | | BXDC, 3.75m-4.50m, Boulders | | | | | | | |
| | | BXDC, 4.50m-4.90m, Cobbles | | | | | | | |
| 5 | | | | | | | | | |
| | | BXDC, 5.20m-5.75m, Boulders | | | | | | | |
| | | A-1-b, Gr, brn, Dry, Rec. = 0.10m | R | 8.1 | 62.9 | 17.8 | 19.3 | | |
| | | 6.30m-7.35m, Cobbles | | | | | | | |
| | | BXDC, 7.35m-7.70m, Boulders | | | | | | | |
| | | 7.70m-9.00m, Cobbles | | | | | | | |
| | | | | | | | | | |
| | | 9.00m-9.30m, Boulder | | | | | | | |
| 10 | | | | | | | | | |
| | | 10.60m-11.00m, Cobbles | R | | | | | | |
| | | BXDC, 11.00m-11.50m, Boulders | | | | | | | |
| | | 11.50m-12.00m, Cobbles | | | | | | | |
| | | A-2-4, Sa, brn, Moist, Rec. = 0.20m | R | 18.5 | 18.1 | 63.4 | 18.5 | | |
| | | Hole stopped @ 12.45m | | | | | | | |

GEOLOGISTS REPORT: