



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

BORING NUMBER: B-201  
 SHEET 1 of 1  
 DATE STARTED: 4/26/05  
 DATE COMPLETED: 4/28/05

PROJECT NAME: MIDDLEBURY  
 SITE NAME: VT 30  
 STATION: 4612+49  
 OFFSET: -31.00  
 VTSPG: N 552773.31 ft E 1464659.66 ft

PROJECT NUMBER: BR 0161(9)  
 SITE NUMBER: BR 102  
 GROUND ELEVATION: 368.34 ft  
 GROUNDWATER DEPTH: No Water 4/28/05  
 PROJECT PIN NUMBER: 98B258

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: RUSSELL  
 LOGGER: PUALWAN

BORING RIG: LAG TRACK RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CAA

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description)                                                                                                                        | BLOWS PER FOOT | M.C. (%)                 | GRAVEL (%) | SAND (%)  | FINES (%)           | LL (%) | PI (%) |
|------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|------------|-----------|---------------------|--------|--------|
|            |        |                                                                                                                                                                  | RUN            | REC (%)                  | RQD (%)    | Dip (deg) | Drill Rate (min/ft) |        |        |
|            |        | Visual Class: Topsoil, brn, Moist, Rec. = 1.5 ft, 0.0 ft - 2.0 ft                                                                                                | 5              | 26.8                     |            |           |                     |        |        |
|            |        | A-4, SaSi, brn, Moist, Rec. = 0.4 ft                                                                                                                             | 4              | 24.3                     | 18.3       | 27.9      | 53.8                |        |        |
|            |        | Visual Class: Broken brick with Limestone material, white, Moist, Rec. = 0.8 ft, 2.5 ft - 3.5 ft                                                                 |                | 10.9                     |            |           |                     |        |        |
|            |        | A-7-6, Cl, brn, Moist, Rec. = 0.4 ft                                                                                                                             | 5              | 34.6                     | 0.6        | 6.1       | 93.3                | 55     | 27     |
|            |        | A-7-6, Cl, brn, Moist, Rec. = 1.3 ft                                                                                                                             |                | 35.5                     | 0.2        | 4.4       | 95.4                | 55     | 26     |
|            |        | A-7-6, Cl, brn, Moist, Rec. = 2.0 ft                                                                                                                             | 9              | 31.9                     | 1.1        | 3.8       | 95.1                | 49     | 24     |
|            |        | A-6, SiCl, brn, Moist, Rec. = 2.0 ft                                                                                                                             | 8              | 21.8                     | 11.8       | 29.1      | 59.1                | 30     | 14     |
|            |        | A-6, SiCl, brn, Moist, Rec. = 1.7 ft                                                                                                                             | 7              | 20.9                     | 20.6       | 27.8      | 51.6                | 28     | 14     |
|            |        | A-4, SaSi, gry-brn, Moist, Rec. = 1.5 ft                                                                                                                         | 7              | 10.2                     | 18.8       | 33.3      | 47.9                | 17     | 3      |
|            |        | A-4, SaSi, gry, Moist, Rec. = 1.6 ft                                                                                                                             | 8              | 12.3                     | 16.3       | 29.8      | 53.9                | 17     | 2      |
|            |        | Visual Class: A-4, Sa Si, gry, Moist, Rec. = 0.2 ft, 16.0 ft - 16.25 ft, Insufficient sample for testing                                                         | R              | Top of Bedrock @ 16.8 ft |            |           |                     |        |        |
|            |        | Gray, Limestone, with quartz vein and minor calcite veins, Competent, Moderately hard, Unweathered, BXMDC, 16.8 ft - 21.8 ft, Rec. = 4.8 ft                      | 1              | 96                       | 88         | 60        | 5                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 6                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 5                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 5                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 5                   |        |        |
|            |        | Gray, Limestone, with minor calcite veins, Bottom of Run severely broken up (below 24.3'), Moderately hard, Unweathered, BXMDC, 21.8 ft - 26.8 ft, Rec. = 4.1 ft | 2              | 82                       | 26         | 60        | 6                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 5                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 6                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 6                   |        |        |
|            |        |                                                                                                                                                                  |                |                          |            |           | 6                   |        |        |
|            |        | Hole stopped @ 26.8 ft                                                                                                                                           |                |                          |            |           |                     |        |        |

LOG OF BORING MIDDLEBURY BR0161(9).GPJ VT.AGT.GDT 9/5/06