# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# GEOTECHNICAL UNIT CORE BORING REPORT

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 33405.1.1 | ID.: B-4039 | COUNTY: Burke | ENGINEER: S. Bullin |
| SITE DESCRIPTION: Bridge 91on SR 1127 over Silver Creek | | | GROUNDWATER (Ft.) |
| BORING NO. : B1-A | BORING LOCATION: 14+28.0 | OFFSET: 14.0 LT | ALIGNMENT: -L- | 0 Hr. : 13.0 |
| COLLAR ELEV.: 1085.1 | NORTHING: 715020. 0 | EASTING: 116898.9 | 24 Hr.: 11.7 |
| TOTAL DEPTH: 52.8 | DRILL MACHINE: CME 550 X | DRILL METHOD: HSA 2.25" LD. and HQ WLRotary | HAMMER TYPE: 140 LB AUTO |
| DATE STARTED: 2-15-05 | DATE COMPLETED: 2-16-05 | SURFACE WATER DEPTH: N/A | |
| CORE SIZE: HQ | TOTAL RUN: 16.6 | DRILLER: Ameridrill | |

| ELEV. (Ft.) | DEPTH (Ft.) | RUN (Ft.) | DRILL RATE (Min/Ft.) | RUN REC % | RUN RQD % | SAMP. NO. | STRATA REC % | STRATA RQD % | DESCRIPTION AND REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 1048.9 | 36.2 | | | | | | | | 1048.9 36.2 |
| 1048.9 | 36.2 | 1 | 4:07 | 1.4 | 1.4 | | 16.3 | 16.3 | Very Slightly Weathered, Very Hard, Very Wide Fracture Spacing, Gray Black White Granitic Gneiss (CR) |
| | | | 2:01/0.6 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 1047.3 | 37.8 | 1.6 | | 87 | 87 | | | | |
| 1047.3 | 37.8 | 2 | 4:42 | 4.9 | 4.9 | | | | |
| | | | 5:15 | | | | | | |
| | | | 5:05 | | | RS-1 | | | RS-1 (38.5-38.9) |
| | | | 5:22 | | | | | | |
| 1042.3 | 42.8 | 5.0 | 5:11 | 98 | 98 | | | | |
| 1042.3 | 42.8 | 3 | 5:40 | 5.0 | 5.0 | | | | |
| | | | 5:33 | | | | | | |
| | | | 5:41 | | | | | | |
| | | | 5:10 | | | | | | |
| 1037.3 | 47.8 | 5.0 | 5:29 | 100 | 100 | | | | |
| 1037.3 | 47.8 | 4 | 5:47 | 5.0 | 5.0 | | | | |
| | | | 5:57 | | | | | | |
| | | | 5:52 | | | | | | |
| | | | 5:41 | | | | | | |
| 1032.3 | 52.8 | 5.0 | 5:44 | 100 | 100 | | 100 | 100 | 1032.3 52.8 |
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