

| PROJECT NO. 34467.1.1 | | ID. R-2562C | | COUNTY Bladen | | GEOLOGIST B. Deobald | | | | | | | |
|--|-----------|----------------------------------|------|------------------------------|-----------------|----------------------|------|----|----|-----------|-----|---------------------------|---|
| SITE DESCRIPTION Dual Bridges on NC 87 over Reedy Meadow Swamp | | | | | | GROUND WATER (m) | | | | | | | |
| BORING NO. EB2-A LL | | BORING LOCATION 179+11.9 | | OFFSET 16.7 m LT | | ALIGNMENT -L- Rev. | | | | | | | |
| COLLAR ELEV. 40.43 m | | NORTHING 103,003.7 US ft | | EASTING 633,322.2 US ft | | 0 HR. | 0.00 | | | | | | |
| TOTAL DEPTH 23.30 m | | DRILL MACHINE CME 45 on M. Buggy | | DRILL METHOD Wash/Mud Rotary | | HAMMER TYPE 63.5 Kg | | | | | | | |
| DATE STARTED 4/21/04 | | COMPLETED 4/21/04 | | SURFACE WATER DEPTH N/A | | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | 100 | | | |
| 40.43 | | | | | | | | | | | | | Ground Surface |
| 40.43 | 0.00 | WOH | WOH | 1 | | | | | | | | Sat. | Alluvium: Muck |
| 38.83 | 1.60 | 3 | 3 | 12 | | | | | | | | Sat. | Alluvium: Tan and gray, f. SAND (A-3) with little wood |
| 37.31 | 3.12 | 6 | 7 | 6 | | | | | | | | Sat. | Alluvium: Tan and gray, silty, f. to cse. SAND (A-2-4) with trace gravel |
| 35.79 | 4.64 | 1 | 2 | 1 | | | | | | | | W | Mixed Drilling Mud: 1.04g/cm ³ |
| 34.30 | 6.13 | 4 | 2 | 2 | | | | | | | | W | CPU: Tan and gray, silty, fine to coarse SAND (A-2-4) |
| 33.37 | 7.06 | 12 | 13 | 22 | | | | | | | | M | CPU: Gray, f. sandy, silty CLAY (A-7-6) |
| 32.78 | 7.65 | 20 | 20 | 32 | | | | | | | | M | CPU: Light gray, clayey, f. to cse. SAND (A-2-6) with trace gravel |
| 31.26 | 9.17 | 11 | 15 | 17 | | | | | | | | M | Harder drilling at 9.00m |
| 29.74 | 10.69 | 10 | 10 | 11 | | | | | | | | M | CPU: Greenish gray, micaceous, f. sandy, silty CLAY (A-7-6) |
| 28.22 | 12.21 | 8 | 9 | 8 | | | | | | | | W | Black Creek Formation: Gray, silty, clayey, f. to cse. SAND (A-2-6) with trace gravel |
| 26.70 | 13.73 | 8 | 9 | 11 | | | | | | | | W | Black Creek Formation: Gray, silty, f. to cse. SAND (A-1-b) with little gravel |
| 25.18 | 15.25 | 9 | 12 | 16 | | | | | | | | W | Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-2-4) with trace gravel and trace organics |
| 23.66 | 16.77 | 8 | 10 | 12 | | | | | | | | W | |
| 22.14 | 18.29 | 5 | 6 | 10 | | | | | | | | W | |

NCDOT BORE: F REEDYM-I.GPJ NC DOT.GDT 6/15/04

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| SITE DESCRIPTION Dual Bridges on NC 87 over Reedy Meadow Swamp | | | | | | GROUND WATER (m) | | | | | | | |
| BORING NO. EB2-A LL | | BORING LOCATION 179+11.9 | | OFFSET 16.7 m LT | | ALIGNMENT -L- Rev. | | | | | | | |
| COLLAR ELEV. 40.43 m | | NORTHING 103,003.7 US ft | | EASTING 633,322.2 US ft | | 0 HR. | 0.00 | | | | | | |
| TOTAL DEPTH 23.30 m | | DRILL MACHINE CME 45 on M. Buggy | | DRILL METHOD Wash/Mud Rotary | | HAMMER TYPE 63.5 Kg | | | | | | | |
| DATE STARTED 4/21/04 | | COMPLETED 4/21/04 | | SURFACE WATER DEPTH N/A | | | | | | | | | |
| ELEV. (m) | DEPTH (m) | BLOW COUNT | | | BLOWS PER 30 CM | | | | | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION | |
| | | 15cm | 15cm | 15cm | 0 | 20 | 40 | 60 | 80 | 100 | | | |
| 21.43 | | | | | | | | | | | | | Continued from previous page |
| 20.62 | 19.81 | 8 | 11 | 14 | | | | | | | | W | Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-2-4) with trace gravel and trace organics (continued) |
| 19.10 | 21.33 | 14 | 17 | 19 | | | | | | | | W | Harder drilling at 22.20m |
| 17.58 | 22.85 | 12 | 18 | 20 | | | | | | | | M | Black Creek Formation: Greenish gray, micaceous, f. sandy, silty CLAY (A-7-6) |
| | | | | | | | | | | | | | Boring Terminated at 23.30m (Elev. 17.13m) in Black Creek Formation: Hard f. sandy, silty CLAY (A-7-6) |
| | | | | | | | | | | | | | Drill bits used: 7cm and 9cm roller cone |
| | | | | | | | | | | | | | Drilling fluid properties: Water or mud at 1.04 g/cm ³ |

NCDOT BORE SINGLE REEDYM-I.GPJ NC DOT.GDT 6/15/04