

Boring Designation BI-PBS-003-12

| DRILLING LOG | | DIVISION South Atlantic | | INSTALLATION Mobile District | | SHEET 1 OF 2 SHEETS | |
|---|-------|---|---|--|--------------------|--|--|
| 1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass-OCS East | | | | 9. SIZE AND TYPE OF BIT N/A | | | |
| 2. BORING DESIGNATION BI-PBS-003-12 | | LOCATION COORDINATES E = 1,138,716 N = 232,102 | | 10. COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.) | | HORIZONTAL NAD83 | |
| 3. DRILLING AGENCY Corps of Engineers - CESAM | | CONTRACTOR FILE NO. | | 11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER American Vibrocure Systems, Inc. | | | | 12. TOTAL SAMPLES | | DISTURBED 0 | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | | | 13. TOTAL NUMBER CORE BOXES | | 14. WATER DEPTH 59.7 Ft. | |
| 6. THICKNESS OF OVERBURDEN N/A | | | | 15. DATE BORING | | STARTED 11-26-12 | |
| 7. DEPTH DRILLED INTO ROCK N/A | | | | 16. ELEVATION TOP OF BORING -59.4 Ft. | | COMPLETED 11-26-12 | |
| 8. TOTAL DEPTH OF BORING 19.5 Ft. | | | | 17. TOTAL RECOVERY FOR BORING 100% | | 18. SIGNATURE AND TITLE OF INSPECTOR Mike FitzHarris, Geologist | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | SAMPLE | LABORATORY RESULTS | | |
| -59.4 | 0.0 | | | | | | |
| -61.2 | 1.8 | | SAND, clayey, mostly fine-grained sand-sized quartz, some shell fragments, with sandy clay stringers, gray mottled with brown (SC) | | | | |
| -66.5 | 7.1 | | CLAY, lean, mostly clay, trace shell fragments, pockets of sandy clay, medium plasticity, gray mottled with brown (CL) | | | | |
| -78.9 | 19.5 | | SAND, clayey, mostly fine-grained sand-sized quartz, trace shell fragments, low plasticity, gray (SC) At El. -67.6 Ft., mostly fine-grained sand-sized quartz, some clay, trace shell fragments, trace wood debris, alternating layers of clayey sand and sandy clay, gray | NS | | | |
| | | | NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. NS = Sample not submitted for laboratory analysis from this interval. 3. Seafloor elevation calculated using sampling vessel's fathometer water depth reading and | | | | |

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| DRILLING LOG (Cont. Sheet) | | | INSTALLATION Mobile District | | SHEET 2 OF 2 SHEETS |
| PROJECT MsCIP Barrier Island Restoration | | | COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.) | HORIZONTAL NAD83 | VERTICAL NAVD88 |
| LOCATION COORDINATES X = 1,138,716 Y = 232,102 | | | ELEVATION TOP OF BORING -59.4 Ft. | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | SAMPLE | LABORATORY RESULTS |
| | | | applying NOAA tidal gauge data conversion factor. | | |