

Boring Designation BI-PBS-057-12

| DRILLING LOG | | DIVISION South Atlantic | | INSTALLATION Mobile District | | SHEET 1 OF 1 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-057-12 | | LOCATION COORDINATES E = 1,130,570 N = 243,685 | | 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 Vibracore | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER American Vibracore 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 47.4 Ft. | |
| 6. THICKNESS OF OVERBURDEN N/A | | | | 15. DATE BORING | | STARTED 11-30-12 | |
| 7. DEPTH DRILLED INTO ROCK N/A | | | | 16. ELEVATION TOP OF BORING -45.1 Ft. | | COMPLETED 11-30-12 | |
| 8. TOTAL DEPTH OF BORING 14.0 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 | | |
| -45.1 | 0.0 | | | | | | |
| | | | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell fragments, lt. gray to gray (SP) | A | Classification: SP Color: 5Y 7/2-light gray D50: 0.3414 mm % Fines: 2.3 | | |
| -48.9 | 3.8 | | | | | | |
| -49.7 | 4.6 | | SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, gray (SC) | NS | | | |
| -50.5 | 5.4 | | | B | Classification: SP-SM Color: 5Y 6/2-light olive gray D50: 0.2327 mm % Fines: 8.5 | | |
| | | | SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace clay, trace wood debris, gray (SP) | | | | |
| -54.1 | 9.0 | | CLAY, lean, mostly clay, some silt, trace fine-grained sand-sized quartz, gray (CL) | | | | |
| | | | SAND, clayey, mostly fine-grained sand-sized quartz, some clay, little shells, trace wood debris, gray (SC) | NS | | | |
| -56.4 | 11.3 | | | | | | |
| | | | SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace shell fragments, trace wood debris, trace clay nodules, gray to light gray (SP) | | | | |
| -59.1 | 14.0 | | | | | | |
| 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 determined from USACE hydrographic survey completed April 2014. | | | | | | | |