

Boring Designation BI-PB-182-12

| DRILLING LOG | | DIVISION South Atlantic | | INSTALLATION Mobile District | | SHEET 1 OF 1 SHEETS | |
|---|--|---|--|--|--|--|--|
| 1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass- AL East | | | | 9. SIZE AND TYPE OF BIT N/A | | | |
| 2. BORING DESIGNATION BI-PB-182-12 | | LOCATION COORDINATES E = 1,150,793 N = 252,287 | | 10. COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.) | | HORIZONTAL NAD83 VERTICAL NAVD88 | |
| 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 UNDISTURBED (UD) 0 | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | DEG. FROM VERTICAL | | 13. TOTAL NUMBER CORE BOXES | | | |
| | | BEARING | | 14. WATER DEPTH 38.4 Ft. | | | |
| 6. THICKNESS OF OVERBURDEN N/A | | | | 15. DATE BORING 12-12-12 | | STARTED COMPLETED 12-12-12 | |
| 7. DEPTH DRILLED INTO ROCK N/A | | | | 16. ELEVATION TOP OF BORING -38.8 Ft. | | | |
| 8. TOTAL DEPTH OF BORING 12.0 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 |
|--|-------|--------|---|--------|--|
| -38.8 | 0.0 | | | | |
| -40.8 | 2.0 | | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace fines, gray (SP) | A | Classification: SP Color: 5Y 6/3-pale olive D50: 0.3259 mm % Fines: 1.2 |
| -42.6 | 3.8 | | CLAY, lean, mostly clay, some silt, low to medium plasticity, some fine grain layers between 3.1 to 3.6 ft., dark gray (CL) | NS | |
| -43.8 | 5.0 | | SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace fines, dense, clay lens at 4.5 ft., lt. gray (SP) | B | Classification: SP-SM Color: 5Y 6/1-gray D50: 0.2826 mm % Fines: 6.9 |
| -45.8 | 7.0 | | CLAY, lean, mostly clay, some fine-grained, sand-sized quartz layers, lt. brown (CL) | NS | |
| -50.8 | 12.0 | | SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace fines, thin clay bands between 8.7 to 10.3 ft., clay band at 11.6 ft., lt. gray to white (SP) | C | Classification: SP Color: 5Y 7/1-light gray D50: 0.2569 mm % Fines: 2.7 |
| 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 2010 USACE survey. | | | | | |