

Boring Designation BI-PB-197-12

| DRILLING LOG | | DIVISION South Atlantic | | INSTALLATION Mobile District | | SHEET 1 OF 1 SHEETS | |
|---|-------|---|--|--|---|--|--|
| 1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass- AL West | | | | 9. SIZE AND TYPE OF BIT N/A | | | |
| 2. BORING DESIGNATION BI-PB-197-12 | | LOCATION COORDINATES E = 1,136,842 N = 254,978 | | 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 Vibrocure | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER American Vibrocure 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 28.2 Ft. | | | |
| 6. THICKNESS OF OVERBURDEN N/A | | | | 15. DATE BORING 12-22-12 | | STARTED COMPLETED 12-22-12 | |
| 7. DEPTH DRILLED INTO ROCK N/A | | | | 16. ELEVATION TOP OF BORING -28.9 Ft. | | | |
| 8. TOTAL DEPTH OF BORING 17.7 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 | | |
| -28.9 | 0.0 | | | | | | |
| -32.8 | 3.9 | | SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace shell fragments, gray to lt. brown (SP-SM) | A | Classification: SP-SM Color: 2.5Y 5/2-grayish brown D50: 0.2933 mm % Fines: 5.5 | | |
| -34.1 | 5.2 | | SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace fines, pale lt. brown (SP) | B | Classification: SP Color: 2.5Y 6/2-light brownish gray D50: 0.3028 mm % Fines: 2.4 | | |
| -38.3 | 9.4 | | SAND, silty, mostly fine-grained sand-sized quartz, some silt, brown (SM) | C | Classification: SP-SM Color: 2.5Y 4/2-dark grayish brown D50: 0.2985 mm % Fines: 5.9 | | |
| -38.3 | 9.4 | | At El. -36.5 Ft., mostly fine-grained sand-sized quartz, some silt, gray | D | Classification: SP-SM Color: 5Y 5/2-olive gray D50: 0.2174 mm % Fines: 7.6 | | |
| -46.6 | 17.7 | | CLAY, fat, mostly clay, medium to high plasticity, silty between 9.4 to 10.4 ft., stiff, greenish gray (CH) | 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 determined from 2010 USACE survey. | | | | |