

# Boring Designation BI-PBS-115-12

| DRILLING LOG  |  | DIVISION<br>South Atlantic                        |  | INSTALLATION<br>Mobile District                                    |  | SHEET 1<br>OF 2 SHEETS   |  |
|---|--|---|--|--|--|--|--|
| 1. PROJECT<br>MsCIP Barrier Island Restoration<br>Petit Bois Pass-OCS East                                  |  |   |  | 9. SIZE AND TYPE OF BIT N/A  |  |  |  |
| 2. BORING DESIGNATION<br>BI-PBS-115-12  |  | LOCATION COORDINATES<br>E = 1,137,201 N = 235,165 |  | 10. COORDINATE SYSTEM/DATUM<br>State Plane, MSE (U.S. Ft.)         |  | HORIZONTAL<br>NAD83<br>VERTICAL<br>NAVD88                                      |  |
| 3. DRILLING AGENCY<br>Corps of Engineers - CESAM  |  | CONTRACTOR FILE NO.                               |  | 11. MANUFACTURER'S DESIGNATION OF DRILL<br>Vibracore               |  | <input type="checkbox"/> AUTO HAMMER<br><input type="checkbox"/> MANUAL HAMMER |  |
| 4. NAME OF DRILLER<br>American Vibracore Systems, Inc.  |  |   |  | 12. TOTAL SAMPLES  |  | DISTURBED<br>UNDISTURBED (UD)<br>0   |  |
| 5. DIRECTION OF BORING<br><input checked="" type="checkbox"/> VERTICAL<br><input type="checkbox"/> INCLINED |  | DEG. FROM VERTICAL                                |  | 13. TOTAL NUMBER CORE BOXES  |  |  |  |
|   |  | BEARING   |  | 14. WATER DEPTH<br>54 Ft.  |  |  |  |
| 6. THICKNESS OF OVERBURDEN<br>N/A   |  |   |  | 15. DATE BORING  |  | STARTED<br>01-12-13<br>COMPLETED<br>01-12-13                                   |  |
| 7. DEPTH DRILLED INTO ROCK<br>N/A   |  |   |  | 16. ELEVATION TOP OF BORING<br>-55.7 Ft.                           |  |  |  |
| 8. TOTAL DEPTH OF BORING<br>20.0 Ft.  |  |   |  | 17. TOTAL RECOVERY FOR BORING<br>100%                              |  |  |  |
|   |  |   |  | 18. SIGNATURE AND TITLE OF INSPECTOR<br>Mike FitzHarris, Geologist |  |  |  |

  

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS   | SAMPLE | LABORATORY RESULTS   |
|-------|-------|--------|---|--------|--|
| -55.7 | 0.0   |        |   |        |  |
| -57.4 | 1.7   |        | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace fines, trace shell fragments, gray (SP)   | A      | Classification: SP Color: 5Y 6/3-pale olive<br>D50: 0.3711 mm % Fines: 2.1 |
| -61.2 | 5.5   |        | CLAY, lean, mostly clay, some fine-grained sand-sized quartz, trace shell fragments, low to medium plasticity, stiff, orangy brown, gray, and greenish gray mottle (CL)   |        |  |
| -75.7 | 20.0  |        | SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, trace wood debris, clayey sand and silty sand zones with bands of clay throughout, gray (SC)   | NS     |  |
|       |       |        | NOTES:<br>1. Soils are field visually classified in accordance with the Unified Soils Classification System.<br>2. NS = Sample not submitted for laboratory analysis from this interval.<br>3. Seafloor elevation determined from USACE |        |  |

|  |              |               |   |                            |                                      |
|--|--------------|---------------|---|----------------------------|--------------------------------------|
| <b>DRILLING LOG (Cont. Sheet)</b>                        |              |               | <b>INSTALLATION</b><br>Mobile District                        |                            | <b>SHEET 2</b><br><b>OF 2 SHEETS</b> |
| <b>PROJECT</b><br>MsCIP Barrier Island Restoration       |              |               | <b>COORDINATE SYSTEM/DATUM</b><br>State Plane, MSE (U.S. Ft.) | <b>HORIZONTAL</b><br>NAD83 | <b>VERTICAL</b><br>NAVD88            |
| <b>LOCATION COORDINATES</b><br>X = 1,137,201 Y = 235,165 |              |               | <b>ELEVATION TOP OF BORING</b><br>-55.7 Ft.                   |                            |                                      |
| <b>ELEV.</b>   | <b>DEPTH</b> | <b>LEGEND</b> | <b>CLASSIFICATION OF MATERIALS</b>                            | <b>SAMPLE</b>              | <b>LABORATORY RESULTS</b>            |
|  |              |               | hydrographic survey completed April 2014.                     |                            |                                      |