

# Boring Designation BI-PBS-080-12

| 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-080-12  |       | LOCATION COORDINATES<br>E = 1,143,708 N = 239,852 |   | 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>52.3 Ft.  |  |  |  |
| 6. THICKNESS OF OVERBURDEN<br>N/A   |       |   |   | 15. DATE BORING<br>12-18-12  |  | STARTED<br>COMPLETED<br>12-18-12   |  |
| 7. DEPTH DRILLED INTO ROCK<br>N/A   |       |   |   | 16. ELEVATION TOP OF BORING<br>-52.2 Ft.                           |  |  |  |
| 8. TOTAL DEPTH OF BORING<br>19.4 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   |  |  |
| -52.2   | 0.0   |   |   |  |  |  |  |
| -54.2   | 2.0   |   | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell fragments, gray (SP)  | A  | Classification: SP Color: 5Y 6/2-light olive gray<br>D50: 0.2596 mm % Fines: 1.9 |  |  |
| -56.6   | 4.4   |   | SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, trace clay lenses, gray (SC)   | B  | Classification: SP-SM Color: 5Y 5/2-olive gray<br>D50: 0.2305 mm % Fines: 11.6   |  |  |
|   |       |   | CLAY, fat, mostly clay, trace wood debris, medium to high plasticity, stiff, trace sandy lenses, gray (CH)  | NS   |  |  |  |
| -71.6   | 19.4  |   |   |  |  |  |  |
|   |       |   | 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 calculated using sampling vessel's fathometer water depth reading and |  |  |  |  |

|  |              |               |  |               |   |
|--|--------------|---------------|--|---------------|---|
| <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>LOCATION COORDINATES</b><br>X = 1,143,708 Y = 239,852 |              |               | <b>ELEVATION TOP OF BORING</b><br>-52.2 Ft.        |               |   |
| <b>ELEV.</b>   | <b>DEPTH</b> | <b>LEGEND</b> | <b>CLASSIFICATION OF MATERIALS</b>                 | <b>SAMPLE</b> | <b>LABORATORY RESULTS</b>                                     |
|  |              |               | applying NOAA tidal gauge data conversion factor.  |               |   |