

|  |  |                 |  |                                      |
|--|--|-----------------|--|--------------------------------------|
| <b>DRILLING LOG</b>  |  | <b>DIVISION</b> | <b>INSTALLATION</b>  | <b>SHEET 1</b><br><b>OF 1 SHEETS</b> |
| <b>1. PROJECT</b><br>Inventory of Potential Beach Nourishment and Coastal Restoration Sand Sources on the Atlantic OCS |  |                 | <b>9. SIZE AND TYPE OF BIT</b> 3.0 In.   |                                      |
| <b>2. BORING DESIGNATION</b><br>FL-BOEM-2015-VC04  |  |                 | <b>10. COORDINATE SYSTEM/DATUM</b><br>UTM 17   |                                      |
| <b>3. DRILLING AGENCY</b><br>American Vibracore Services, Inc.   |  |                 | <b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER<br>Alpine Pneumatic Vibracore <input type="checkbox"/> MANUAL HAMMER |                                      |
| <b>4. NAME OF DRILLER</b><br>Brian McCord  |  |                 | <b>12. TOTAL SAMPLES</b> <b>DISTURBED</b> <b>UNDISTURBED (UD)</b>  |                                      |
| <b>5. DIRECTION OF BORING</b><br><input checked="" type="checkbox"/> VERTICAL<br><input type="checkbox"/> INCLINED     |  |                 | <b>13. TOTAL NUMBER CORE BOXES</b>   |                                      |
| <b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.  |  |                 | <b>14. ELEVATION GROUND WATER</b>  |                                      |
| <b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.  |  |                 | <b>15. DATE BORING</b> <b>STARTED</b> <b>COMPLETED</b><br>07-31-15 10:11 07-31-15 10:13  |                                      |
| <b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.   |  |                 | <b>16. ELEVATION TOP OF BORING</b> -46.7 Ft.   |                                      |
|  |  |                 | <b>17. TOTAL RECOVERY FOR BORING</b> 19.6 Ft.  |                                      |
|  |  |                 | <b>18. SIGNATURE AND TITLE OF INSPECTOR</b><br>BF  |                                      |

| ELEV.<br>(ft) | DEPTH<br>(ft) | LEGEND | CLASSIFICATION OF MATERIALS<br>Depths and elevations based on measured values   | %<br>REC. | BOX OR<br>SAMPLE | REMARKS  |
|---------------|---------------|--------|---|-----------|------------------|--|
| -46.7         | 0.0           |        |   |           |                  |  |
|               |               |        | Shelly SAND, fine grained, quartz, little whole shell, trace silt, shell component is shell hash, whole shells up to 0.5", (1.0" x 0.5") whole shell @ 8.7', 1.0" clay pocket @ 11.8', very dark gray (5Y-3/1), (SW).   |           | 1                | Sample #1, Depth = 3.0'<br>Mean (mm): 0.54, Phi Sorting: 0.96<br>Fines (230): 2.06% (SW)     |
|               |               |        |   |           | 2                | Sample #2, Depth = 6.0'<br>Mean (mm): 0.57, Phi Sorting: 0.89<br>Fines (230): 1.99% (SW)     |
|               |               |        |   |           | 3                | Sample #3, Depth = 9.0'<br>Mean (mm): 0.53, Phi Sorting: 0.94<br>Fines (230): 1.65% (SW)     |
| -59.0         | 12.3          |        | SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell fragments up to 0.25", (1.0" x 0.5") shell fragment @ 13.8', 0.5" clay pocket @ 13.6', dark gray (5Y-4/1), (SP-SM).   |           | 4                | Sample #4, Depth = 13.2'<br>Mean (mm): 0.32, Phi Sorting: 0.85<br>Fines (230): 6.16% (SP-SM) |
| -61.3         | 14.6          |        | SAND, fine grained, quartz, little clay, little shell hash, trace shell fragments, trace silt, shell fragments up to 0.75", (3.0" x 1.0") shell hash pocket @ 15.0', clay distributed in pockets up to 0.5" and increases with depth, dark gray (5Y-4/1), (SC). |           | 5                | Sample #5, Depth = 14.8'<br>Mean (mm): 0.27, Phi Sorting: 1.03<br>Fines (230): 14.47% (SC)   |
| -62.2         | 15.5          |        | Clayey SHELL, little silt, shell components are shell fragments up to 1.0" and whole shells up to 2.0", dark greenish gray (10Y-4/1), (GC).   |           |                  |  |
| -65.0         | 18.3          |        | Clayey SHELL FRAGMENTS, shell fragments up to 2.0", greenish gray (10Y-6/1), (GC).  |           |                  |  |
| -66.3         | 19.6          |        | No Recovery.  |           |                  |  |
| -66.7         | 20.0          |        | End of Boring   |           |                  |  |

LOUISIANA FL BOEM 2015 VC GPJ JPBRAZIL GDT 9/12/16