


| DRILLING LOG   |               | DIVISION |   | INSTALLATION   |                  | SHEET 1<br>OF 1 SHEETS   |  |
|--|---------------|----------|---|--|------------------|--|--|
| <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-VC17  |               |          |   | <b>10. COORDINATE SYSTEM/DATUM</b><br>UTM 17                                 |                  | <b>HORIZONTAL</b><br>NAD 1983  |  |
| <b>3. DRILLING AGENCY</b><br>American Vibracore Services, Inc.   |               |          |   | <b>11. MANUFACTURER'S DESIGNATION OF DRILL</b><br>Alpine Pneumatic Vibracore |                  | <input type="checkbox"/> <b>AUTO HAMMER</b><br><input type="checkbox"/> <b>MANUAL HAMMER</b> |  |
| <b>4. NAME OF DRILLER</b><br>Brian McCord  |               |          |   | <b>12. TOTAL SAMPLES</b>   |                  | <b>DISTURBED</b>   |  |
| <b>5. DIRECTION OF BORING</b><br><input checked="" type="checkbox"/> <b>VERTICAL</b><br><input type="checkbox"/> <b>INCLINED</b>   |               |          |   | <b>13. TOTAL NUMBER CORE BOXES</b>   |                  | <b>UNDISTURBED (UD)</b>  |  |
| <b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.  |               |          |   | <b>14. ELEVATION GROUND WATER</b>  |                  | <b>15. DATE BORING</b>   |  |
| <b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.  |               |          |   | <b>16. ELEVATION TOP OF BORING</b> -54.2 Ft.                                 |                  | <b>STARTED</b> 08-15-15 12:21  |  |
| <b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.   |               |          |   | <b>17. TOTAL RECOVERY FOR BORING</b> 19.7 Ft.                                |                  | <b>COMPLETED</b> 08-15-15 12:24  |  |
|  |               |          |   | <b>18. SIGNATURE AND TITLE OF INSPECTOR</b><br>KM                            |                  |  |  |
| 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  |  |
| -54.2  | 0.0           |          |   |  |                  |  |  |
| -55.8  | 1.6           |          | SAND, fine grained, quartz, trace shell hash, trace silt, silt distributed in silty pockets up to 0.5", gray (5Y-5/1), (SW).  |  | 1                | Sample #1, Depth = 0.8'<br>Mean (mm): 0.23, Phi Sorting: 0.98<br>Fines (230): 1.74% (SW)     |  |
| -56.7  | 2.5           |          | SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, shell fragments up to 0.5", 1.25" shelly pocket @ 2.0', shell components are shell hash and shell fragments up to 0.75", dark gray (5Y-4/1), (SW).   |  | 2                | Sample #2, Depth = 2.1'<br>Mean (mm): 0.21, Phi Sorting: 0.86<br>Fines (230): 2.57% (SW)     |  |
| -60.5  | 6.3           |          | SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, shell fragments up to 0.5", (1.5" x 0.75") and (1.25" x 1.0") shell fragments @ 2.9', (1.0" x 0.5") shell fragment @ 4.7', (1.5" x 1.0") whole shell @ 6.2', very dark gray (5Y-3/1), (SP-SM). |  | 3                | Sample #3, Depth = 4.4'<br>Mean (mm): 0.18, Phi Sorting: 0.74<br>Fines (230): 7.52% (SP-SM)  |  |
| -61.6  | 7.4           |          | CLAY, soft, little sand, little shell hash, very dark greenish gray (10Y-3/1), (CL).  |  |                  |  |  |
| -63.0  | 8.8           |          | Clayey SHELL HASH, some sand, very dark greenish gray (10Y-3/1), (SC).  |  |                  |  |  |
| -63.8  | 9.6           |          | CLAY, soft, little sand, little shell hash, very dark greenish gray (10Y-3/1), (CL).  |  |                  |  |  |
| -64.8  | 10.6          |          | Clayey SAND, fine grained, quartz, trace shell hash, very dark greenish gray (10Y-3/1), (SC).   |  |                  |  |  |
| -65.8  | 11.6          |          | CLAY, soft, some sand, little shell hash, very dark greenish gray (10Y-3/1), (CL).  |  |                  |  |  |
| -66.6  | 12.4          |          | Clayey SAND, fine grained, quartz, trace shell hash, very dark greenish gray (10Y-3/1), (SC).   |  |                  |  |  |
| -67.9  | 13.7          |          | CLAY, little sand, trace shell hash, very dark greenish gray (10Y-3/1), (CL).   |  |                  |  |  |
| -69.1  | 14.9          |          | Clayey SAND, medium grained, quartz, trace shell hash, very dark gray (N-3/0), (SC).  |  | 4                | Sample #4, Depth = 15.6'<br>Mean (mm): 0.37, Phi Sorting: 0.92<br>Fines (230): 6.22% (SW-SC) |  |
| -70.6  | 16.4          |          | SAND, fine to medium grained, quartz, trace clay, trace shell hash, dark gray (N-4/0), (SW-SC).   |  |                  |  |  |
| -72.3  | 18.1          |          | Clayey GRAVEL, little shell hash, gravel components are shell fragments up to 1.5", rock fragments up to 2.0", and whole shells up to 1.0", dark greenish gray (5GY-4/1), (GC).   |  |                  |  |  |
| -73.9  | 19.7          |          | Clayey SAND, medium grained, quartz, trace shell hash, dark greenish gray (10Y-4/1), (SC).  |  |                  |  |  |
| -74.2  | 20.0          |          | No Recovery.  |  |                  |  |  |
|  |               |          | End of Boring   |  |                  |  |  |

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