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| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 OF 1 SHEETS |
| 1. PROJECT Inventory of Potential Beach Nourishment and Coastal Restoration Sand Sources on the Atlantic OCS | | | 9. SIZE AND TYPE OF BIT 3.0 In. | |
| 2. BORING DESIGNATION FL-BOEM-2015-VC23 | | | 10. COORDINATE SYSTEM/DATUM UTM 17 | |
| 3. DRILLING AGENCY American Vibracore Services, Inc. | | | 11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER Alpine Pneumatic Vibracore <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER Justin Robertson | | | 12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD) | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | | 13. TOTAL NUMBER CORE BOXES | |
| 6. THICKNESS OF OVERBURDEN 0.0 Ft. | | | 14. ELEVATION GROUND WATER | |
| 7. DEPTH DRILLED INTO ROCK 0.0 Ft. | | | 15. DATE BORING STARTED COMPLETED 08-16-15 07:47 08-16-15 07:49 | |
| 8. TOTAL DEPTH OF BORING 20.0 Ft. | | | 16. ELEVATION TOP OF BORING -46.0 Ft. | |
| | | | 17. TOTAL RECOVERY FOR BORING 17.7 Ft. | |
| | | | 18. SIGNATURE AND TITLE OF INSPECTOR KM | |

| ELEV. (ft) | DEPTH (ft) | LEGEND | CLASSIFICATION OF MATERIALS Depths and elevations based on measured values | % REC. | BOX OR SAMPLE | REMARKS |
|---------------|---------------|--------|--|-----------|------------------|--|
| -46.0 | 0.0 | | | | | |
| -50.8 | 4.8 | | SAND, fine grained, quartz, trace shell hash, trace silt, (1.25" x 0.5") shell fragment @ 3.6', dark gray (5Y-4/1), (SP). | | 1 | Sample #1, Depth = 2.4' Mean (mm): 0.23, Phi Sorting: 0.74 Fines (230): 1.38% (SP) |
| -53.7 | 7.7 | | SAND, fine grained, quartz, trace shell hash, trace silt, silt distributed in silty pockets up to (0.5" x 0.25") and throughout layer, 0.5" whole shell @ 5.8', (1.25" x 0.75") shell fragment @ 5.9', very dark gray (5Y-3/1), (SP). | | 2 | Sample #2, Depth = 6.3' Mean (mm): 0.19, Phi Sorting: 0.68 Fines (230): 3.01% (SP) |
| -55.8 | 9.8 | | SAND, fine grained, quartz, little silt, trace shell fragments, trace shell hash, shell fragments up to (0.75" x 0.25"), (2.0" x 3.0") shelly pocket @ 8.5', shell components are shell hash and shell fragments up to (1.0" x 0.75"), 2 (1.0") whole shells @ 9.6', black (5Y-2.5/1), (SM). | | 3 | Sample #3, Depth = 9.0' Mean (mm): 0.12, Phi Sorting: 0.75 Fines (230): 12.67% (SM) |
| -57.7 | 11.7 | | SAND, fine grained, quartz, little clay, trace shell hash, very dark greenish gray (10Y-3/1), (SC). | | 4 | Sample #4, Depth = 10.8' Mean (mm): 0.17, Phi Sorting: 0.67 Fines (230): 15.10% (SC) |
| -58.7 | 12.7 | | SAND, fine to medium grained, quartz, trace clay, trace shell hash, dark greenish gray (10Y-4/1), (SP-SC). | | 5 | Sample #5, Depth = 12.2' Mean (mm): 0.32, Phi Sorting: 0.80 Fines (230): 9.24% (SP-SC) |
| -59.4 | 13.4 | | SAND, fine to medium grained, quartz, trace clay, trace shell hash, dark greenish gray (10Y-4/1), (SP-SC). | | 6 | Sample #6, Depth = 13.0' Mean (mm): 1.51, Phi Sorting: 2.61 Fines (230): 9.12% (SW-SC) |
| -61.7 | 15.7 | | SANDY SHELL, trace clay, shell components are shell hash and shell fragments up to (1.25" x 1.0"), (2.0" x 1.25") shell fragment @ 12.8', greenish gray (10Y-5/1), (GW-GC). | | 7 | Sample #7, Depth = 14.6' Mean (mm): 0.30, Phi Sorting: 0.63 Fines (230): 2.68% (SP) |
| -63.7 | 17.7 | | SAND, fine to medium grained, quartz, trace silt, silt distributed in silty pockets up to 0.75" and throughout layer, grayish brown (2.5Y-5/2), (SP). | | 8 | Sample #8, Depth = 16.7' Mean (mm): 0.26, Phi Sorting: 0.68 Fines (230): 4.97% (SP-SM) |
| -66.0 | 20.0 | | SAND, fine to medium grained, quartz, trace silt, silt distributed in silty pockets up to (1.25" x 1.0") and throughout layer, very dark grayish brown (2.5Y-3/2), (SP-SM). | | | |
| | | | No Recovery. | | | |
| | | | End of Boring | | | |

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