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| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 OF 1 SHEETS |
| 1. PROJECT AMI 2008 Sand Search Anna Maria Island, Manatee County, FL | | | 9. SIZE AND TYPE OF BIT 3.0 In. | |
| 2. BORING DESIGNATION AMVC-08-10 | | | 10. COORDINATE SYSTEM/DATUM Florida State Plane West | |
| 3. DRILLING AGENCY Coastal Planning & Engineering, Inc. | | | 11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER Diver Operated Vibracore | |
| 4. NAME OF DRILLER CPE | | | 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 06-25-08 10:41 COMPLETED 06-25-08 10:45 | |
| 8. TOTAL DEPTH OF BORING 19.2 Ft. | | | 16. ELEVATION TOP OF BORING -18.0 Ft. | |
| | | | 17. TOTAL RECOVERY FOR BORING 19.1 Ft. | |
| | | | 18. SIGNATURE AND TITLE OF INSPECTOR ML | |



| ELEV. (ft) | DEPTH (ft) | LEGEND | CLASSIFICATION OF MATERIALS Depths and elevations based on measured values | % REC. | BOX OR SAMPLE | REMARKS |
|------------|------------|--------|---|--------|---------------|---|
| -18.0 | 0.0 | | | | | Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm. |
| -18.3 | 0.3 | | SAND, fine grained, quartz, trace shell hash, trace silt, light gray (5Y-7/1), (SP). | | 2 | Sample #1, Depth = 0.5' |
| -18.7 | 0.7 | | SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell fragments up to 0.5", 1.0" whole shell @ 0.6', light gray (5Y-7/1), (SW). | | 1 | Mean (mm): 0.28, Phi Sorting: 1.30 Shell Hash: 2%, Fines (230): 1.41% (SW) |
| -19.9 | 1.9 | | SAND, fine grained, quartz, trace shell hash, trace silt, light gray (5Y-7/1), (SP). | | 2 | Sample #2, Depth = 1.4' |
| -21.0 | 3.0 | | SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell fragments up to 0.5", 1.0" whole shell @ 0.6', light gray (5Y-7/1), (SW). | | 3 | Mean (mm): 0.17, Phi Sorting: 0.67 Shell Hash: 0%, Fines (230): 1.31% (SP) |
| -22.4 | 4.4 | | SAND, fine grained, quartz, trace shell hash, trace silt, light gray (5Y-7/1), (SP). | | 4 | Sample #3, Depth = 2.7' |
| -23.5 | 5.5 | | SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, trace whole shell, shell fragments and whole shells up to 0.5", light gray (5Y-7/1), (SW). | | 5 | Mean (mm): 0.23, Phi Sorting: 1.25 Shell Hash: 3%, Fines (230): 1.48% (SW) |
| -24.2 | 6.2 | | SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, trace whole shell, shell fragments and whole shells up to 0.5", light gray (5Y-7/1), (SW). | | 6 | Sample #4, Depth = 3.6' |
| -26.5 | 8.5 | | SAND, fine grained, quartz, little shell hash, trace clay, trace shell fragments, shell fragments up to 2.0", clay distributed in clayey pockets up to 0.5", shell hash distributed in alternating 1.0"-2.0" layers, light gray (5Y-7/1), (SW). | | 7 | Mean (mm): 0.24, Phi Sorting: 1.15 Shell Hash: 1%, Fines (230): 1.56% (SW) |
| -28.3 | 10.3 | | SAND, fine grained, quartz, little shell hash, trace clay, trace shell fragments, shell fragments up to 2.0", clay distributed in clayey pockets up to 0.5", shell hash distributed in alternating 1.0"-2.0" layers, light gray (5Y-7/1), (SW). | | | Sample #5, Depth = 4.7' |
| | | | SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, shell fragments up to 2.5", light gray (5Y-7/1), (SW). | | | Mean (mm): 0.28, Phi Sorting: 1.38 Shell Hash: 2%, Fines (230): 3.11% (SW) |
| | | | SAND, fine grained, quartz, trace clay, trace silt, clay distributed in laminae, light gray (5Y-7/1), (SP). | | | Sample #6, Depth = 5.9' |
| | | | SAND, fine grained, quartz, some clay, trace silt, clay distributed evenly in 2.0"-3.0" layers, mottled olive gray (5Y-5/2) and, light gray (5Y-7/1), (SC). | | | Mean (mm): 0.30, Phi Sorting: 1.81 Shell Hash: 3%, Fines (230): 1.19% (SW) |
| | | | Shelly SAND, quartz, some clay, shell components are whole shells and shell fragments up to 3.0", olive gray (5Y-5/2), (GC). | | | Sample #7, Depth = 7.2' |
| | | | CLAY, some sand, quartz, trace rock, rock up to 2.5", olive gray (5Y-5/2), (SC). | | | Mean (mm): 0.15, Phi Sorting: 0.46 Shell Hash: 0%, Fines (230): 2.07% (SP) |
| -34.7 | 16.7 | | | | | |
| -37.1 | 19.1 | | | | | |
| -37.2 | 19.2 | | No Recovery. | | | |
| | | | End of Boring | | | |

FLORIDA DEP ROSS AMI_2008_VIBRACORES_ALL.GPJ FL DEP ROSS.GDT 10/29/08