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|---|--|--|---------------------|----------------|
| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 |
| 1. PROJECT | | 9. SIZE AND TYPE OF BIT 3.0 In. | | |
| AMI 2013 Sand Search | | | | |
| Anna Maria Island, FL | | | | |
| 2. BORING DESIGNATION | | 10. COORDINATE SYSTEM/DATUM | | |
| AMVC-13-08 | | Florida State Plane West | | |
| LOCATION COORDINATES | | HORIZONTAL | | |
| X = 409,316 Y = 1,162,466 | | NAD 1983 | | |
| 3. DRILLING AGENCY | | 11. MANUFACTURER'S DESIGNATION OF DRILL | | |
| Athena Technologies, Inc. | | Electric | | |
| CONTRACTOR FILE NO. | | <input type="checkbox"/> AUTO HAMMER | | |
| | | <input type="checkbox"/> MANUAL HAMMER | | |
| 4. NAME OF DRILLER | | 12. TOTAL SAMPLES | | |
| Palmer McLellan | | DISTURBED | | |
| 5. DIRECTION OF BORING | | UNDISTURBED (UD) | | |
| <input checked="" type="checkbox"/> VERTICAL | | 13. TOTAL NUMBER CORE BOXES | | |
| <input type="checkbox"/> INCLINED | | 14. ELEVATION GROUND WATER | | |
| 6. THICKNESS OF OVERBURDEN 0.0 Ft. | | 15. DATE BORING | | |
| 7. DEPTH DRILLED INTO ROCK 0.0 Ft. | | STARTED | | |
| 8. TOTAL DEPTH OF BORING 20.0 Ft. | | 01-23-13 14:36 | | |
| | | COMPLETED | | |
| | | 01-23-13 14:39 | | |
| | | 16. ELEVATION TOP OF BORING -13.1 Ft. | | |
| | | 17. TOTAL RECOVERY FOR BORING 17.2 Ft. | | |
| | | 18. SIGNATURE AND TITLE OF INSPECTOR | | |
| | | LC | | |

| ELEV. (ft) | DEPTH (ft) | LEGEND | CLASSIFICATION OF MATERIALS Depths and elevations based on measured values | % REC. | BOX OR SAMPLE | REMARKS |
|---------------|---------------|--------|---|-----------|------------------|--|
| -13.1 | 0.0 | | | | | Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm. |
| -14.9 | 1.8 | | SAND, little shell hash, trace shell fragments, shell frags up to 0.5", (4.0"x2.5") shell hash pocket @ 0.6', light gray (2.5Y-7/1), (SW). | | 1 | Sample #1, Depth = 1.4' Mean (mm): 0.20, Phi Sorting: 1.13 Fines (230): 1.85% (SW) |
| -16.2 | 3.1 | | Sandy SHELL HASH, trace shell fragments, trace whole shell, shell frags up to 0.75", whole shells up to 1.0", gray (2.5Y-6/1), (SW). | | 2 | Sample #2, Depth = 2.6' Mean (mm): 0.74, Phi Sorting: 2.02 Fines (230): 1.02% (SW) |
| -16.7 | 3.6 | | SAND, some shell hash, light gray (5Y-7/1), (SW). | | 3 | Sample #3, Depth = 3.3' Mean (mm): 0.34, Phi Sorting: 1.53 Fines (230): 1.07% (SW) |
| -17.7 | 4.6 | | Shelly SAND, shell component is shell hash, gray (5Y-6/1), (SW). | | 4 | Sample #4, Depth = 4.3' Mean (mm): 0.57, Phi Sorting: 1.76 Fines (230): 1.33% (SW) |
| -18.2 | 5.1 | | SAND, some shell hash, light gray (5Y-7/1), (SW). | | 5 | Sample #5, Depth = 6.0' Mean (mm): 1.13, Phi Sorting: 1.55 Fines (230): 0.82% (SW) |
| -18.9 | 5.8 | | Shelly SAND, trace shell fragments, trace whole shell, shell component is shell hash, shell frags and whole shells up to 1.0", gray (5Y-6/1), (SW). | | 4 | |
| -19.3 | 6.2 | | SHELL HASH, some sand, gray (5Y-6/1), (SW). | | 2 | |
| -19.9 | 6.8 | | Shelly SAND, shell component is shell hash and whole shells up to 0.5", gray (5Y-6/1), (SW). | | 3 | |
| -20.3 | 7.2 | | Sandy SHELL HASH, trace shell fragments, shell frags up to 0.5", gray (5Y-6/1), (SW). | | 5 | |
| -20.8 | 7.7 | | SAND, some shell hash, trace shell fragments, shell frags up to 0.5", 0.5" coral frag @ 7.4', light gray (5Y-7/1), (SW). | | 1 | |
| -21.4 | 8.3 | | SHELL HASH, some sand, trace shell fragments, shell frags up to 0.75", (1.0"x0.5") rock frag @ 7.8', gray (5Y-6/1), (SW). | | 6 | Sample #6, Depth = 9.7' Mean (mm): 0.13, Phi Sorting: 0.73 Fines (230): 2.97% (SP) |
| -21.7 | 8.6 | | SAND, little shell hash, light gray (2.5Y-7/1), (SW). | | 7 | Sample #7, Depth = 11.5' Mean (mm): 0.20, Phi Sorting: 1.48 Fines (230): 4.16% (SW) |
| -24.2 | 11.1 | | SAND, trace shell hash, gray (2.5Y-5/1), (SP). | | 8 | Sample #8, Depth = 12.0' Mean (mm): 0.38, Phi Sorting: 2.16 Fines (230): 8.02% (SW-SC) |
| -24.8 | 11.7 | | SAND, trace shell hash, gray (2.5Y-6/1), (SW). | | | |
| -25.5 | 12.4 | | SAND, little shell fragments, trace clay, trace silt, shell frags up to 2.0", (2.0"x1.0") rock frag @ 11.8', gray (5Y-5/1), (SW-SC). | | | |
| -26.4 | 13.3 | | SAND, trace shell hash, whole shells up to 2.0", gray (2.5Y-6/1), (SW). | | | |
| -27.6 | 14.5 | | SAND, trace clay, trace shell hash, trace silt, gray (5Y-5/1), (SW-SC). | | | |
| -27.9 | 14.8 | | SHELL HASH, some sand, little clay, (10Y-5/0), (SC). | | | |
| -28.6 | 15.5 | | SAND, little organics, trace shell hash, light gray (2.5Y-7/1), (SP). | | | |
| -30.3 | 17.2 | | Clayey SHELL HASH, some whole shell, little shell fragments, light gray (5Y-7/1), (GC). | | | |
| -33.1 | 20.0 | | No Recovery. | | | |

FLORIDA DEP ROSS AMVC-13.GPJ FL DEP ROSS.GDT 4/26/13