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| DRILLING LOG | | DIVISION | INSTALLATION | SHEET 1 OF 1 SHEETS |
| 1. PROJECT AMI 2013 Sand Search Anna Maria Island, FL | | | 9. SIZE AND TYPE OF BIT 3.0 In. | |
| 2. BORING DESIGNATION AMVC-13-17 | | | 10. COORDINATE SYSTEM/DATUM Florida State Plane West | |
| 3. DRILLING AGENCY Athena Technologies, Inc. | | | 11. MANUFACTURER'S DESIGNATION OF DRILL Electric | |
| 4. NAME OF DRILLER Palmer McLellan | | | 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 01-24-13 14:26 | |
| 8. TOTAL DEPTH OF BORING 20.0 Ft. | | | 16. ELEVATION TOP OF BORING -9.0 Ft. | |
| | | | 17. TOTAL RECOVERY FOR BORING 18.8 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 |
|---------------|---------------|--------|--|-----------|------------------|---|
| -9.0 | 0.0 | | | | | Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm. |
| -9.5 | 0.5 | | SAND, little shell hash, light gray (5Y-7/1), (SW). | | 1 | Sample #1, Depth = 0.3' Mean (mm): 0.37, Phi Sorting: 1.49 Fines (230): 0.66% (SW) |
| -11.3 | 2.3 | | SHELL HASH, some sand, little shell fragments, trace whole shell, shell frags up to 2.0", whole shells up to 0.75", light gray (2.5Y-7/1), (GW). | | 2 | Sample #2, Depth = 1.3' Mean (mm): 0.64, Phi Sorting: 1.76 Fines (230): 1.09% (SW) |
| | | | SAND, trace shell fragments, trace shell hash, trace silt, trace whole shell, shell frags and whole shells up to 1.5", (3.0"x2.0") shell hash pockets @ 5.0' & 7.2', white (5Y-8/1), (SP). | | 3 | Sample #3, Depth = 4.5' Mean (mm): 0.18, Phi Sorting: 0.72 Fines (230): 4.95% (SP) |
| -17.0 | 8.0 | | | | 2 | Sample #4, Depth = 8.8' Mean (mm): 0.26, Phi Sorting: 1.36 Fines (230): 3.00% (SW) |
| -17.5 | 8.5 | | SHELL HASH, trace sand, trace shell fragments, shell frags up to 1.5", gray (2.5Y-6/1), (GW). | | 4 | Sample #5, Depth = 10.3' Mean (mm): 0.54, Phi Sorting: 1.82 Fines (230): 1.75% (SW) |
| -18.1 | 9.1 | | SAND, trace shell hash, trace silt, trace whole shell, whole shells up to 0.25", light gray (5Y-7/1), (SW). | | 5 | Sample #6, Depth = 11.7' Mean (mm): 0.77, Phi Sorting: 2.05 Fines (230): 1.99% (SW) |
| -20.5 | 11.5 | | SAND, some shell hash, trace shell fragments, trace silt, trace whole shell, shell frags up to 1.0", whole shells up to 1.5", light gray (5Y-7/1), (SW). | | 6 | Sample #7, Depth = 12.7' Mean (mm): 0.44, Phi Sorting: 1.88 Fines (230): 4.38% (SW) |
| -21.0 | 12.0 | | SANDY SHELL, trace silt, trace whole shell, shell component is shell hash and shell frags up to 0.5", whole shells up to 0.75", olive gray (5Y-5/2), (GW). | | 5 | |
| -21.4 | 12.4 | | SAND, some shell hash, light gray (5Y-7/1), (SW). | | 7 | |
| -22.1 | 13.1 | | SAND, trace shell hash, trace silt, trace whole shell, gray (5Y-6/1), (SW). | | 2 | |
| -24.6 | 15.6 | | SHELL HASH, little sand, trace rock fragments, trace shell fragments, trace whole shell, rock frags up to 0.25", gray (5Y-6/1), (GW). | | | |
| -25.0 | 16.0 | | SAND, little shell fragments, little silt, trace organics, trace rock fragments, trace shell hash, rock frags up to 1.0", gray (5Y-5/1), (GM). | | | |
| -25.4 | 16.4 | | SAND, trace shell fragments, trace shell hash, white (5Y-8/1), (SP). | | | |
| -26.5 | 17.5 | | SAND, some shell hash, some silt, trace shell fragments, gray (5Y-5/1), (SM). | | | |
| -27.8 | 18.8 | | SAND, some rock fragments, trace shell hash, rock frags up to 2.0", light gray (5Y-7/2), (GW). | | | |
| -29.0 | 20.0 | | No Recovery. | | | |

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