

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. 10. COORDINATE SYSTEM/DATUM HORIZONTAL VERTICAL Florida State Plane West NAD 1983 NAVD 88	
2. BORING DESIGNATION AMVC-13-03		LOCATION COORDINATES X = 410,233 Y = 1,164,670		
3. DRILLING AGENCY Athena Technologies, Inc.		CONTRACTOR FILE NO.		
4. NAME OF DRILLER Palmer McLellan			11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER Electric <input type="checkbox"/> MANUAL HAMMER	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL BEARING		
6. THICKNESS OF OVERBURDEN 0.0 Ft.			12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			13. TOTAL NUMBER CORE BOXES	
8. TOTAL DEPTH OF BORING 20.0 Ft.			14. ELEVATION GROUND WATER	
			15. DATE BORING STARTED COMPLETED 01-23-13 13:26 01-23-13 13:29	
			16. ELEVATION TOP OF BORING -18.6 Ft.	
			17. TOTAL RECOVERY FOR BORING 19.1 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
-18.6	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-20.3	1.7		Shelly SAND, fine grained, quartz, trace shell fragments, trace silt, trace whole shell, shell component is shell hash, shell frags up to 0.5", whole shells up to 1.0", light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 0.9' Mean (mm): 0.43, Phi Sorting: 1.72 Fines (230): 1.01% (SW)
-22.1	3.5		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 1.5", 1.0" whole shell @ 2.3', (3.0"x2.0") shell hash pocket @ 2.9', light gray (2.5Y-7/1), (SW).		2	Sample #2, Depth = 2.6' Mean (mm): 0.24, Phi Sorting: 1.23 Fines (230): 1.43% (SW)
-22.4	3.8				3	Sample #3, Depth = 3.6' Mean (mm): 0.69, Phi Sorting: 1.95 Fines (230): 1.24% (SW)
-24.1	5.5		Shelly SAND, fine grained, quartz, trace silt, shell component is shell hash and shell frags up to 0.5", light gray (2.5Y-7/1), (GW).		4	Sample #4, Depth = 4.1' Mean (mm): 0.29, Phi Sorting: 0.93 Fines (230): 0.90% (SW)
-24.6	6.0		SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, shell frags up to 1.5", (3.0"x1.0") shell hash pockets @ 4.3' & 4.5', light gray (5Y-7/1), (SW).		5	Sample #5, Depth = 5.8' Mean (mm): 0.51, Phi Sorting: 1.97 Fines (230): 1.16% (SW)
-26.8	8.2		SAND, fine grained, quartz, some shell hash, trace rock fragments, trace shell fragments, trace silt, shell frags up to 1.0", rock frags up to 1.5", gray (5Y-6/1), (SW).			
-27.8	9.2					
-28.5	9.9					
-29.1	10.5					
-31.3	12.7		SAND, fine grained, quartz, some silt, trace clay, trace shell hash, trace whole shell, whole shells up to 2.0", 3.0" rock frags @ 6.2' & 6.3', gray (5Y-6/1), (SM).			
-31.9	13.3		Sandy SHELL FRAGMENTS, some silt, trace whole shell, shell frags up to 0.5", whole shell up to 2.0", gray (5Y-6/1), (GW).			
-33.3	14.7		SAND, fine grained, quartz, some silt, trace shell hash, 1.0" whole shell @ 9.3', 2 (0.75") shell frags @ 9.6', gray (5Y-6/1), (SM).			
-35.8	17.2		SAND, fine grained, quartz, trace clay, trace shell hash, trace silt, light gray (5Y-7/1), (SW).			
-36.3	17.7		SAND, fine grained, quartz, some silt, little rock fragments, little shell hash, trace clay, rock frags up to 1.0", gray (2.5Y-5/1), (GM).			
-37.7	19.1		ROCK, trace sand, gray (2.5Y-6/1), (GW).			
-38.6	20.0		SAND, fine grained, quartz, some whole shell, little silt, whole shells up to 1.25", gray (2.5Y-6/1), (GW).			
			Silty SAND, fine grained, quartz, trace clay, trace organics, trace rock fragments, rock frags up to 3.0", gray (2.5Y-6/1) mottled with dark gray (2.5Y-4/1), (SM).			
			CLAY, little sand, (10Y-5/0), (CL).			
			CLAY, some rock fragments, little sand, rock frags up to 4.0", gray (2.5Y-6/1) mottled with white (5Y-8/1) and, (10Y-5/0), (GC).			
			No Recovery.			

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