

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> AMI 2013 Sand Search Anna Maria Island, FL			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> AMVC-13-18			<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane West	
<b>3. DRILLING AGENCY</b> Athena Technologies, Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Electric	
<b>4. NAME OF DRILLER</b> Palmer McLellan			<b>12. TOTAL SAMPLES</b> DISTURBED UNDISTURBED (UD)	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>14. ELEVATION GROUND WATER</b>	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>15. DATE BORING</b> 01-24-13 15:00	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -10.6 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 18.7 Ft.	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> LC	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-10.6	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-14.3	3.7		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace whole shell, shell frags up to 0.5", whole shells up to 1.0", (2.5"x2.0") shell hash pocket @ 1.6", 2.0" pocket of shell frags @ 2.5", light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 1.2' Mean (mm): 0.34, Phi Sorting: 1.36 Fines (230): 0.77% (SW)
-14.7	4.1		Sandy SHELL HASH, trace shell fragments, shell frags up to 0.5", gray (5Y-6/1), (SW).		2	Sample #2, Depth = 3.8' Mean (mm): 0.52, Phi Sorting: 1.43 Fines (230): 1.55% (SW)
-16.3	5.7		SAND, fine grained, quartz, little shell hash, 1.0" shell frag @ 5.2", light gray (5Y-7/1), (SW).		3	Sample #3, Depth = 4.7' Mean (mm): 0.26, Phi Sorting: 1.19 Fines (230): 1.39% (SW)
-16.8	6.2		Sandy SHELL HASH, trace shell fragments, trace whole shell, shell frags up to 0.5", whole shells up to 1.0", gray (5Y-6/1), (SW).		2	
-17.9	7.3		SAND, fine grained, quartz, little shell hash, trace shell fragments, shell frags up to 0.5", 1.0" whole shell @ 6.6", 2.0" silty pocket @ 6.9", light gray (5Y-7/1), (SW).		3	
-21.7	11.1		SHELL HASH, some sand, little shell fragments, trace whole shell, shell frags and whole shells up to 1.0", gray (5Y-6/1), (GW).		4	Sample #4, Depth = 9.4' Mean (mm): 1.16, Phi Sorting: 1.74 Fines (230): 1.53% (SW)
-24.5	13.9		SAND, fine grained, quartz, little shell hash, trace clay, trace silt, (3.0"x0.75") clay pocket @ 12.0", (3.0"x0.25") clay pocket @ 12.2", (3.0"x0.25") shell hash pocket @ 12.5", light gray (5Y-7/1), (SW).		3	
-26.3	15.7		SAND, fine grained, quartz, trace clay, trace shell hash, trace whole shell, whole shells up to 0.5", clay distributed in laminae, 0.25" rock frag @ 14.3', white (5Y-8/1), (SP).		5	Sample #5, Depth = 14.7' Mean (mm): 0.17, Phi Sorting: 0.46 Fines (230): 1.51% (SP)
-26.7	16.1		Sandy CLAY, little shell fragments, trace shell hash, shell frags up to 0.75", dark gray (5Y-4/1), (CL).			
-28.8	18.2		Silty SAND, fine grained, quartz, trace clay, trace shell hash, gray (5Y-6/1) mottled with, gray (5Y-5/1), (SM).			
-29.3	18.7		Shelly SAND, fine grained, quartz, little silt, trace clay, trace whole shell, shell component is shell frags up to 1.0", whole shells up to 0.5", gray (5Y-5/1), (SW).			
-30.6	20.0		No Recovery.			
			End of Boring			

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