

<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-13-04			<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> 01-23-13 13:48	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -14.3 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 17.3 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
-14.3	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-17.2	2.9		Sandy SHELL HASH, some shell fragments, trace silt, trace whole shell, shell frags up to 2.0", whole shells up to 1.5", (2.5"x1.5") clayey pocket @ 1.2', gray (2.5Y-6/1), (GW).		1	Sample #1, Depth = 1.8' Mean (mm): 1.07, Phi Sorting: 2.00 Fines (230): 1.82% (SW)
-17.9	3.6				2	Sample #2, Depth = 3.3' Mean (mm): 0.46, Phi Sorting: 2.08 Fines (230): 2.96% (SW)
-18.5	4.2				1	
-19.0	4.7		Shelly SAND, fine grained, quartz, trace rock fragments, trace shell fragments, trace silt, shell frags up to 1.0", rock frags up to 0.25", gray (5Y-6/1), (SW).		2	Sample #3, Depth = 5.2' Mean (mm): 0.39, Phi Sorting: 1.87 Fines (230): 3.45% (SW)
-19.9	5.6		Sandy SHELL HASH, some shell fragments, trace silt, trace whole shell, shell frags and whole shells up to 0.75", gray (2.5Y-6/1), (GW).		3	Sample #4, Depth = 5.8' Mean (mm): 0.55, Phi Sorting: 1.98 Fines (230): 1.27% (SW)
-20.5	6.2				4	Sample #5, Depth = 6.8' Mean (mm): 0.91, Phi Sorting: 1.76 Fines (230): 1.32% (SW)
-21.8	7.5		Shelly SAND, fine grained, quartz, trace shell fragments, trace silt, trace whole shell, shell component is shell hash, shell frags and whole shells up to 0.5", gray (5Y-6/1), (SW).		5	
-22.2	7.9				VC2 S#3	
-23.1	8.8		Sandy SHELL HASH, some shell fragments, trace silt, trace whole shell, shell frags up to 2.0", whole shells up to 1.0", light gray (5Y-7/1), (GW).		4	
-23.9	9.6				6	Sample #6, Depth = 9.2' Mean (mm): 0.84, Phi Sorting: 1.93 Fines (230): 4.88% (SW-SC)
-27.4	13.1		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.5", (3.0"x0.75") shell hash pocket @ 6.0', light gray (5Y-7/1), (SW).		VC2 S#5	
-28.7	14.4		Sandy SHELL HASH, trace shell fragments, trace silt, shell frags up to 2.0", gray (2.5Y-6/1), (GW).		VC6 S#6	
-29.9	15.6		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell frags up to 0.5", gray (2.5Y-6/1), (SW).			
-31.6	17.3		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.25", light gray (5Y-7/1), (SW).			
-34.3	20.0		SAND, fine grained, quartz, some shell hash, trace clay, trace shell fragments, shell frags up to 2.0", dark gray (2.5Y-4/1), (GW-GC).			
			SAND, fine grained, quartz, trace shell hash, trace silt, trace whole shell, whole shells up to 2.0", 2.0" shell frag @ 11.2', 1.5" shell frag @ 12.3', gray (2.5Y-6/1), (SP).			
			SAND, fine grained, quartz, trace shell hash, trace silt, olive gray (5Y-5/2), (SP).			
			Silty SAND, fine grained, quartz, little shell hash, dark gray (2.5Y-4/1), (SM).			
			ROCK FRAGMENTS, little sand, rock frags up to 2.0", light gray (5Y-7/1), (GW).			
			No Recovery.			
			End of Boring			