

<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-13-12			<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> <input type="checkbox"/> AUTO HAMMER Electric <input type="checkbox"/> MANUAL HAMMER	
<b>4. NAME OF DRILLER</b> Palmer McLellan			<b>12. TOTAL SAMPLES</b>	
<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>	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -13.2 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 18.9 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
-13.2	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-14.4	1.2		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.5", (3.0"x2.0") shell hash pocket @ 0.6', light gray (2.5Y-7/1), (SW).		1	Sample #1, Depth = 0.4' Mean (mm): 0.25, Phi Sorting: 1.18 Fines (230): 0.66% (SW)
-15.0	1.8				2	Sample #2, Depth = 1.4'
-15.4	2.2		Sandy SHELL HASH, trace shell fragments, trace whole shell, shell frags up to 1.0", whole shells up to 0.5", light gray (5Y-7/1), (SW).		3	Mean (mm): 0.56, Phi Sorting: 1.92 Fines (230): 0.98% (SW)
-16.3	3.1				4	Sample #3, Depth = 2.0'
-17.1	3.9				5	Mean (mm): 0.17, Phi Sorting: 0.65 Fines (230): 1.03% (SP)
			SAND, fine grained, quartz, trace shell hash, white (5Y-8/1), (SP).			Sample #4, Depth = 2.7'
			Shelly SAND, fine grained, quartz, trace shell fragments, shell component is shell hash, shell frags up to 0.5", 1.0" rock frag @ 2.5', white (5Y-8/1), (SW).		3	Mean (mm): 0.36, Phi Sorting: 1.73 Fines (230): 1.05% (SW)
-20.2	7.0					Sample #5, Depth = 3.5'
			SAND, fine grained, quartz, trace shell hash, white (5Y-8/1), (SW).			Mean (mm): 0.20, Phi Sorting: 0.97 Fines (230): 1.12% (SW)
			SAND, fine grained, quartz, trace shell hash, trace silt, trace whole shell, whole shells up to 1.0", silt distributed in pockets up to 0.5", (3.0"x2.0") shell hash pocket @ 6.7', white (5Y-8/1), (SP).		6	Sample #6, Depth = 8.1'
-22.2	9.0					Mean (mm): 1.21, Phi Sorting: 1.59 Fines (230): 1.93% (SW)
-23.1	9.9				7	Sample #7, Depth = 9.6'
			SHELL HASH, some sand, trace shell fragments, trace whole shell, shell frags and whole shells up to 1.0", (3.0"x1.0") clayey pocket @ 7.7", (2.5"x1.0") shell fragment @ 9.0', gray (2.5Y-6/1), (GW).			Mean (mm): 0.24, Phi Sorting: 0.59 Fines (230): 1.52% (SP)
-24.8	11.6				4	
-25.4	12.2		SAND, fine grained, quartz, little shell hash, light gray (5Y-7/1), (SP).		6	
-26.6	13.4				4	
-27.0	13.8		Shelly SAND, fine grained, quartz, shell component is shell hash, shell frags up to 1.5" and whole shells up to 2.0", light gray (5Y-7/1), (GW).		1	
-27.6	14.4				VC17	
			Sandy SHELL, shell component is shell hash and shell frags up to 1.5", 2.0" silty pocket @ 11.7", gray (5Y-6/1), (GW).		S#6	
-30.2	17.0		Shelly SAND, fine grained, quartz, shell component is shell frags and whole shells up to 1.0", white (5Y-8/1), (GW).			
-32.1	18.9		SAND, fine grained, quartz, little shell hash, light gray (2.5Y-7/1), (SW).			
-33.2	20.0		Shelly SAND, fine grained, quartz, little shell fragments, little whole shell, trace silt, shell frags up to 0.5", whole shells up to 2.0", very dark gray (5Y-3/1), (SW).			
			SAND, fine grained, quartz, little shell hash, little silt, gray (2.5Y-6/1), (SM).			
			ROCK FRAGMENTS, some sand, gray (5Y-6/1), (GW).			
			No Recovery.			
			End of Boring			