

<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-13-01			<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 12:31	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -5.1 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 19.6 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
-5.1	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-11.4	6.3		SAND, fine grained, quartz, trace shell hash, trace silt, (1.5"x3.0") shell hash pocket @ 3.5', (1.0"x1.5") shell frag @ 3.6', pale yellow (5Y-8/2), (SP).		1	Sample #1, Depth = 3.0' Mean (mm): 0.18, Phi Sorting: 0.50 Fines (230): 1.02% (SP)
-14.3	9.2		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, trace whole shell, shell frags up to 0.5", whole shells up to 1.0", gray (5Y-6/1), (SW).		2	Sample #2, Depth = 8.5' Mean (mm): 0.45, Phi Sorting: 1.48 Fines (230): 0.77% (SW)
-14.8	9.7		Shelly SAND, trace silt, shell component is shell hash, shell frags up to 0.5" and whole shells up to 1.0", gray (5Y-6/1), (SW).		3	Sample #3, Depth = 9.4' Mean (mm): 0.90, Phi Sorting: 2.32 Fines (230): 0.85% (SW)
-15.3	10.2		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.5", gray (5Y-6/1), (SW).		2	Sample #4, Depth = 10.3' Mean (mm): 1.01, Phi Sorting: 1.83 Fines (230): 2.96% (SW)
-15.7	10.6		SHELL HASH, some sand, trace shell fragments, trace silt, shell frags up to 1.0", gray (5Y-6/1), (SW).		4	Sample #5, Depth = 13.2' Mean (mm): 0.14, Phi Sorting: 0.52 Fines (230): 1.15% (SP)
-19.9	14.8		SAND, fine grained, quartz, trace clay, trace shell fragments, trace silt, shell frags up to 0.25", (1.5"x2.0") shell frag @ 11.0', clay distributed in pockets up to (0.5"x3.0"), white (5Y-8/1), (SP).		5	Sample #6, Depth = 15.5' Mean (mm): 0.15, Phi Sorting: 0.70 Fines (230): 2.57% (SP)
-20.8	15.7		SAND, fine grained, quartz, trace organics, trace shell hash, trace silt, light gray (5Y-7/1), (SP).		6	Sample #7, Depth = 16.5' Mean (mm): 0.14, Phi Sorting: 0.52 Fines (230): 2.81% (SP)
-22.0	16.9		SAND, fine grained, quartz, trace clay, trace organics, trace shell fragments, trace silt, shell frags up to 0.25", gray (5Y-6/1) mottled with, grayish brown (2.5Y-5/2), (SP).		7	Sample #8, Depth = 17.3' Mean (mm): 0.14, Phi Sorting: 0.40 Fines (230): 3.30% (SP)
-23.1	18.0		SAND, fine grained, quartz, little organics, trace silt, grayish brown (2.5Y-5/2) mottled with, very dark grayish brown (2.5Y-3/2), (SP).		7	
-24.7	19.6		SAND, fine grained, quartz, trace organics, trace silt, silt distributed in pockets up to (0.25"x3.0"), grayish brown (2.5Y-5/2), (SP).			
-25.1	20.0		No Recovery.			
			End of Boring			

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