

<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-13-07			<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>DISTURBED</b> <b>UNDISTURBED (UD)</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>STARTED</b> <b>COMPLETED</b> 01-23-13 15:02 01-23-13 15:08	
<b>8. TOTAL DEPTH OF BORING</b> 20.1 Ft.			<b>16. ELEVATION TOP OF BORING</b> -12.5 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 19.4 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
-12.5	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-13.1	0.6		SHELL HASH, little sand, trace shell fragments, trace whole shell, whole shells up to 0.5", shell frags up to 0.25", light gray (2.5Y-7/1), (SW).		3	Sample #1, Depth = 0.9'
-13.6	1.1				1	Mean (mm): 0.22, Phi Sorting: 1.15
-14.1	1.6				2	Fines (230): 1.19% (SW)
-14.5	2.0		SAND, fine grained, quartz, little shell fragments, light gray (5Y-7/1), (SW).		1	Sample #2, Depth = 1.4'
-15.3	2.8		SHELL HASH, little sand, trace shell fragments, shell frags up to 0.25", light gray (5Y-7/1), (SW).		2	Mean (mm): 0.62, Phi Sorting: 2.05
-15.9	3.4				3	Fines (230): 1.11% (SW)
			SAND, fine grained, quartz, little shell fragments, light gray (5Y-7/1), (SW).		4	Sample #3, Depth = 3.0'
			Sandy SHELL HASH, trace whole shell, whole shells up to 1.0", light gray (5Y-7/2), (SW).			Mean (mm): 0.94, Phi Sorting: 1.99
-18.9	6.4					Fines (230): 0.84% (SW)
			SHELL HASH, some sand, (1.5"x1.0") shell frag @ 3.1', light gray (5Y-7/2), (SW).		5	Sample #4, Depth = 5.5'
			SAND, fine grained, quartz, little shell fragments, trace whole shell, shell frags up to 0.5", whole shells up to 0.75", (3.0"x2.5") shell hash pocket @ 3.7', light gray (5Y-7/1), (SW).			Mean (mm): 0.23, Phi Sorting: 0.95
-22.5	10.0					Fines (230): 1.03% (SW)
			SHELL HASH, some sand, trace shell fragments, trace whole shell, shell frags up to 1.0", whole shells up to 0.75", (1.5"x0.5") coral frag @ 7.0', 1.0" rock frag @ 9.7', 1.5" rock frag @ 9.9', (1.0"x1.5") rock frag @ 10.0', light gray (5Y-7/1), (SW).		6	Sample #5, Depth = 8.5'
-24.2	11.7					Mean (mm): 0.87, Phi Sorting: 1.88
-25.6	13.1		SAND, fine grained, quartz, trace shell hash, (2.5"x1.5") shell frag @ 10.7', (0.5"x2.0") clay pocket @ 11.3', light gray (5Y-7/1), (SP).		7	Sample #6, Depth = 11.1'
-26.9	14.4		SAND, fine grained, quartz, some shell fragments, little whole shell, trace clay, trace silt, shell frags up to 0.5", whole shells up to 3.0", (4.0"x3.0") rock @ 11.9', dark gray (2.5Y-4/1), (SW-SM).			Mean (mm): 0.13, Phi Sorting: 0.50
-29.8	17.3		SAND, fine grained, quartz, little clay, trace shell fragments, trace silt, trace whole shell, gray (5Y-6/1), (SC).			Fines (230): 3.08% (SP)
-30.7	18.2		SAND, fine grained, quartz, trace shell fragments, trace silt, (3.0"x1.5") shell hash pockets @ 16.6' & 17.2', gray (5Y-5/1), (SP).			Sample #7, Depth = 12.4'
-31.9	19.4		SAND, fine grained, quartz, trace rock fragments, trace shell fragments, trace silt, rock frags up to 0.5", gray (5Y-6/1), (SP).			Mean (mm): 0.32, Phi Sorting: 1.46
-32.6	20.1		ROCK, little sand, rock component is cemented shell frags, dark gray (N-4/0), (GW).			Fines (230): 6.78% (SW-SM)
			No Recovery.			
			End of Boring			

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