

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b>
<b>1. PROJECT</b> Dauphin Island Supplemental Investigation Dauphin Island, Alabama			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> DIVC-22-02			<b>10. COORDINATE SYSTEM/DATUM</b> Alabama State Plane West	
<b>3. DRILLING AGENCY</b> Athena Technologies			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Mechanical Vibracore System	
<b>4. NAME OF DRILLER</b> Athena			<input type="checkbox"/> <b>AUTO HAMMER</b> <input type="checkbox"/> <b>MANUAL HAMMER</b>	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> <b>VERTICAL</b> <input type="checkbox"/> <b>INCLINED</b>			<b>12. TOTAL SAMPLES</b> 5	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>14. ELEVATION GROUND WATER</b>	
<b>8. TOTAL DEPTH OF BORING</b> 21.0 Ft.			<b>15. DATE BORING</b> 01-13-22 11:30	
			<b>16. ELEVATION TOP OF BORING</b> -19.3 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 20.5 Ft.	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> Beth Forrest, PhD	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-19.3	0.0					
-23.2	3.9		SAND, fine to medium grained, quartz, trace shell fragments, trace shell hash, trace silt, trace whole shell, whole shells and shell fragments up to (0.25"), light brownish gray (2.5Y-6/2), (SP).		1	Sample #1, Depth = 2.0' Mean (mm): 0.26, Phi Sorting: 0.50 Fines (230): 1.15% (SP)
-30.4	11.1		SAND, fine to medium grained, quartz, trace clay, trace shell hash, trace silt, 1.0" shell hash pocket @ 5.9', (1.5"x2.0") ring of clay @ 6.1', shell hash lamina @ 7.0', 0.5" shell hash pocket @ 7.4', gray (2.5Y-5/1), (SP).		2	Sample #2, Depth = 7.3' Mean (mm): 0.26, Phi Sorting: 0.51 Fines (230): 1.37% (SP)
-32.2	12.9		SAND, fine grained, quartz, trace clay, trace shell hash, trace silt, trace whole shell, whole shells up to (0.25"), (2.0"x2.25") clay pocket @ 12.1', 0.5" shell hash pocket @ base of layer, gray (2.5Y-5/1), (SP).		3	Sample #3, Depth = 11.6' Mean (mm): 0.21, Phi Sorting: 0.50 Fines (230): 1.59% (SP)
-32.8	13.5				T1	Sample #T1, Depth = 13.3' Ave. Field Vane (tsf): 0.18
-33.0	13.7		CLAY, soft, trace shell hash, dark gray (2.5Y-4/1), (CL).		4	Sample #4, Depth = 14.3' Mean (mm): 0.20, Phi Sorting: 0.62 Fines (230): 20.26% (SC)
-34.6	15.3		SHELL HASH, little clay, trace sand, fine grained, quartz, dark gray (2.5Y-4/1), (SW).			
-39.8	20.5		SAND, fine grained, quartz, some clay, trace shell hash, trace silt, sand distributed in pockets up to 2.0", dark gray (2.5Y-4/1), (SC).		5	Sample #5, Depth = 17.7' Mean (mm): 0.25, Phi Sorting: 1.15 Fines (230): 4.85% (SW)
-40.3	21.0		SAND, fine grained, quartz, trace clay, trace shell fragments, trace shell hash, trace silt, trace whole shell, silt is distributed in lamina, whole shells up to (0.25"), shell fragments typically up to (0.25"), clay is distributed in lamina and pockets up to 1.5", 5.0" sandy clay pocket @ 15.6', (0.75"x1.0") shell fragment @ 15.6', (0.5") shell fragment @ 17.8', color is mottled gray (2.5Y-5/1) and, dark gray (2.5Y-4/1), (SW).			
			No Recovery.			
			End of Boring			

DAUPHIN ISLAND 2022.GPJ 1/31/22