

Boring Designation CB-DUC03-31

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS		
1. PROJECT Duval County, FL, BEC Offshore Borrow Area				9. SIZE AND TYPE OF BIT 3" Vibracore					
2. BORING DESIGNATION CB-DUC03-31		LOCATION COORDINATES X = 576,207 Y = 2,169,491		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)			HORIZONTAL NAD83	VERTICAL MLLW	
3. DRILLING AGENCY Athena Technologies			CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies Vibracore System				
				12. TOTAL SAMPLES 3		DISTURBED 0		UNDISTURBED (UD)	
4. NAME OF DRILLER G. Bonn				13. TOTAL NUMBER CORE BOXES 1					
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		BEARING		14. ELEVATION GROUND WATER N/A			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING STARTED 08-06-03 COMPLETED 08-06-03					
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -58.6 Ft.					
8. TOTAL DEPTH OF BORING 13.0 Ft.				17. TOTAL RECOVERY FOR BORING 78 %					
				18. SIGNATURE AND TITLE OF INSPECTOR Julie Minton, Geologist					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-58.6	0.0						-58.6		
-59.3	0.7		SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, few silt, strong reaction with HCl, moist, 5Y 5/2 olive gray (SP-SM)	100	1		Vibracore		
			SAND, poorly-graded, mostly medium-grained sand-sized quartz, little medium to coarse-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 5Y 5/2 olive gray (SP)	100	2		Vibracore		
-62.4	3.8			100			Vibracore		
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5GY 5/1 greenish gray (SM)	100	3		Vibracore		
-67.0	8.4			66			Vibracore		
-68.7	10.1		SAND, clayey, mostly medium-grained sand-sized quartz, little clay, trace shell, strong reaction with HCl, moist, 5Y 3/2 dark olive gray (SC)						
-71.6	13.0	NO RECOVERY							
NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System.									

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS															
PROJECT Duval County, FL, BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLW															
LOCATION COORDINATES X = 576,207 Y = 2,169,491			ELEVATION TOP OF BORING -58.6 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
			2. Laboratory Testing Results <table border="1"><thead><tr><th>SAMPLE ID</th><th>SAMPLE DEPTH</th><th>LABORATORY CLASSIFICATION</th></tr></thead><tbody><tr><td>1</td><td>0.0/0.7</td><td>SP*</td></tr><tr><td>2</td><td>0.7/1.5</td><td>SP*</td></tr><tr><td>3</td><td>4.0/4.5</td><td>SP*</td></tr></tbody></table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>2 Specific Gravity</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.0/0.7	SP*	2	0.7/1.5	SP*	3	4.0/4.5	SP*						
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