

## Boring Designation CB-DUC03-21

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-DUC03-21				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL MLLW	
3. DRILLING AGENCY Athena Technologies				11. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies Vibracore System		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER G. Bonn				12. TOTAL SAMPLES		DISTURBED 3		UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 2		14. ELEVATION GROUND WATER N/A			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 08-03-03		COMPLETED 08-03-03	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -54.1 Ft.		17. TOTAL RECOVERY FOR BORING 76 %			
8. TOTAL DEPTH OF BORING 17.5 Ft.				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
-54.1	0.0						-54.1		
			SAND, poorly-graded, mostly medium-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 5Y 5/1 gray (SP)	100			Vibracore		
-55.5	1.4			100	1		-55.1		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 5Y 4/1 dark gray (SP-SM)	100			Vibracore		
-57.2	3.1		At El. -56.7 Ft., little medium to coarse-grained sand-sized shell	100	2		-56.7		
			SAND, silty, mostly sand to gravel-sized shell up to 1", little silt, little fine to medium-grained sand-sized quartz, strong reaction with HCl, moist, 10Y 5/1 greenish gray (SM)	100			Vibracore		
-59.6	5.5						-59.6		
-60.6	6.5		SAND, clayey, mostly sand to gravel-sized shell up to 1/2", little clay, little fine to medium-grained sand-sized quartz, strong reaction with HCl, moist, 5Y 8/1 white (SC)	100	3		-60.2		
			SAND, clayey, mostly fine-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, 10GY 7/1 light greenish gray (SC)				Vibracore		
-65.5	11.4		At El. -60.8 Ft., mostly medium-grained sand-sized quartz, trace shell, 5Y 4/2 olive gray	63					
			SAND, poorly-graded with silt, mostly medium-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 5Y 4/2 olive gray (SP-SM)						
-67.4	13.3								

<b>DRILLING LOG (Cont. Sheet)</b>			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 = 567,938    Y = 2,180,526			ELEVATION TOP OF BORING -54.1 Ft.																	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE											
-71.6	17.5	NO RECOVERY		63			Vibracore													
			NOTES:  1. Soils are field visually classified in accordance with the Unified Soils Classification System.  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>0.5/1.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>2.6/3.1</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>5.5/6.1</td> <td>SP-SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> 3. Additional Laboratory Testing  1    Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SP*	2	2.6/3.1	SP-SM*	3	5.5/6.1	SP-SM*					
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																		
1	0.5/1.0	SP*																		
2	2.6/3.1	SP-SM*																		
3	5.5/6.1	SP-SM*																		

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25  
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