


Boring Designation CB-DUC03-28

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-DUC03-28		LOCATION COORDINATES X = 574,942 Y = 2,188,254		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		<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		DEG. FROM VERTICAL		13. TOTAL NUMBER CORE BOXES 2					
		BEARING		14. ELEVATION GROUND WATER N/A					
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 08-05-03	COMPLETED 08-05-03		
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -52.5 Ft.					
8. TOTAL DEPTH OF BORING 20.0 Ft.				17. TOTAL RECOVERY FOR BORING 80 %					
				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
-52.5	0.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, few medium-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 5Y 6/1 gray (SP) From El. -53.6 to -53.7 Ft., layer of fat clay	100	1		-52.5		
				100			Vibracore		
							-53.5		
				100			Vibracore		
							-56.0		
				100	2		Vibracore		
							-57.0		
-57.5	5.0		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 5Y 5/1 gray (SP-SM)	100			Vibracore		
				100	3		Vibracore		
							-58.0		
							-59.0		
-59.9	7.4		SAND, clayey, mostly fine-grained sand-sized quartz, little clay, trace shell, strong reaction with HCl, moist, 5G 4/1 dark greenish gray (SC)						
-62.0	9.5		LIMESTONE, hard, moderately weathered, medium-grained, 10Y 7/1 light greenish gray						
-62.4	9.9		SAND, silty, mostly fine-grained sand-sized quartz, little medium to coarse-grained sand-sized shell, little silt, strong reaction with HCl, moist, 5G 5/1 greenish gray (SM) At El. -63.5 Ft., 10Y 6/1 greenish gray	71			Vibracore		
-64.6	12.1		SAND, silty, mostly fine to medium-grained sand-sized carbonate, few fine-grained sand-sized quartz, 5Y 8/1 white (SM) At El. -66.1 Ft., weak cementation, 5Y 7/1 light gray						
-67.4	14.9								

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 = 574,942 Y = 2,188,254			ELEVATION TOP OF BORING -52.5 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
-68.6	16.1		SAND, clayey, mostly fine to medium-grained sand-sized quartz, little clay, no reaction with HCl, moist, 5Y 5/2 olive gray (SC)																		
-72.5	20.0	NO RECOVERY		71			Vibracore														
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <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>0.0/1.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>3.5/4.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>5.5/6.5</td> <td>SP-SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>1 Specific Gravity</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.0/1.0	SP*	2	3.5/4.5	SP*	3	5.5/6.5	SP-SM*						
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																			
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