


Boring Designation CB-DUC03-16

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-DUC03-16				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 6		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 08-07-03		COMPLETED 08-07-03	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -55.0 Ft.		17. TOTAL RECOVERY FOR BORING 88 %			
8. TOTAL DEPTH OF BORING 20.0 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
-55.0	0.0						-55.0		
			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 6/2 light olive gray (SP)	100	1		-55.6 Vibracore		
-56.3	1.3		At El. -55.6 Ft., mostly fine-grained sand-sized quartz, 5Y 6/1 gray	100	2		-56.1 Vibracore		
-56.7	1.7		SAND, silty, mostly fine-grained sand-sized quartz, little silt, few medium to coarse-grained sand-sized shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)	100	4		-56.4 Vibracore		
				100			-56.7 Vibracore		
-57.5	2.5			100	3		-57.2 Vibracore		
-58.7	3.7		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 6/2 light olive gray (SP)	100			Vibracore		
			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)						
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)	100	5		-60.0		
							-60.5 Vibracore		
				100			Vibracore		
							-65.0		
-65.7	10.7			100	6		-65.5 Vibracore		
			SAND, clayey, mostly medium-grained sand-sized carbonate, little clay, strong reaction with HCl, moist, 5Y 7/1 light gray (SC)				Vibracore		
			At El. -68.5 Ft., 5Y 8/2 pale yellow	75					

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 = 577,804 Y = 2,183,014			ELEVATION TOP OF BORING -55.0 Ft.																											
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																					
-70.4	15.4		SAND, clayey, mostly medium-grained sand-sized quartz, weak reaction with HCl, moderate cementation, 5Y 4/1 dark gray (SC)	75			Vibracore																							
-72.6	17.6																													
-75.0	20.0									NO RECOVERY																				
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>0.0/0.6</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>0.6/1.1</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>1.1/1.4</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>1.7/2.2</td> <td>SP*</td> </tr> <tr> <td>5</td> <td>5.0/5.5</td> <td>SP-SM*</td> </tr> <tr> <td>6</td> <td>10.0/10.5</td> <td>SP-SM*</td> </tr> </tbody> </table>			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.0/0.6	SP*	2	0.6/1.1	SP*	4	1.1/1.4	SP-SM*	3	1.7/2.2	SP*	5	5.0/5.5	SP-SM*	6	10.0/10.5	SP-SM*							
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*Lab visual classification based on gradation curve. No Atterberg limits.																														
3. Additional Laboratory Testing																														
1 Specific Gravity																														

