


Boring Designation CB-DUC03-39

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-DUC03-39		LOCATION COORDINATES X = 580,437 Y = 2,172,393		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				13. TOTAL NUMBER CORE BOXES		2			
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER		N/A			
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING		STARTED 08-04-03	COMPLETED 08-04-03		
8. TOTAL DEPTH OF BORING 21.0 Ft.				16. ELEVATION TOP OF BORING		-49.3 Ft.			
				17. TOTAL RECOVERY FOR BORING		95 %			
				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
-49.3	0.0		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 6/1 gray (SP)	100	1		-49.3		
				100			Vibracore		
				100	2		-50.3		
				100			Vibracore		
			At El. -51.3 Ft., mostly fine to medium-grained sand-sized quartz				-51.3		
							Vibracore		
				100			-52.3		
							Vibracore		
				100			-55.8		
-55.8	6.5		SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few fine to medium-grained sand-sized shell, few silt, strong reaction with HCl, moist, 5Y 6/1 gray (SP-SM)	100	3		-56.8		
							Vibracore		
							-58.3		
			SAND, silty, mostly fine to medium-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5Y 5/2 olive gray (SM)						
			At El. -59.8 Ft., few sand to gravel-sized shell up to 1/2"				Vibracore		
				93			-62.2		
-62.2	12.9		SAND, clayey, mostly fine-grained sand-sized quartz, little clay, trace shell, strong reaction with HCl, moist, 5GY 5/1 greenish gray (SC)						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS														
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LOCATION COORDINATES X = 580,437 Y = 2,172,393			ELEVATION TOP OF BORING -49.3 Ft.																	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE											
-64.5	15.2		CLAY, fat, high plasticity, few fine-grained sand-sized quartz, trace shell, no reaction with HCl, moist, 10GY 4/1 dark greenish gray (CH)	93			Vibracore													
-69.3	20.0																			
-70.3	21.0	NR					-70.3													
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>0.0/1.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>2.0/3.0</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>6.5/7.5</td> <td>SP*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits.			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.0/1.0	SP*	2	2.0/3.0	SP*	3	6.5/7.5	SP*						
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