

Boring Designation CB-DUC03-6

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-DUC03-6		LOCATION COORDINATES X = 559,868 Y = 2,181,281		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			
4. NAME OF DRILLER G. Bonn				12. TOTAL SAMPLES 3		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 08-03-03		STARTED 08-03-03	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -48.6 Ft.			
8. TOTAL DEPTH OF BORING 17.0 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
-48.6	0.0						-48.6		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace shell, trace silt, strong reaction with HCl, moist, 5Y 6/1 gray (SP)	100			Vibracore		
				100	1		-49.6		
-50.1	1.5		SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 10Y 4/1 dark greenish gray (SM)	100			Vibracore		
				100	2		-51.1		
			At El. -51.7 Ft., few medium to coarse-grained sand-sized shell						
				100			Vibracore		
-55.8	7.2								
			SAND, silty, mostly sand to gravel-sized shell up to 1/2", little fine-grained sand-sized quartz (SM)						
-56.9	8.3								
			SAND, poorly-graded with silt, mostly sand to gravel-sized shell up to 1/2", little fine-grained sand-sized quartz, few silt, strong reaction with HCl, moist, 10Y 6/1 greenish gray (SP-SM)	100	3		-57.1		
			At El. -58.0 Ft., mostly medium to coarse-grained sand-sized shell, 10Y 5/1 greenish gray				-57.6		
-59.6	11.0								
			SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell, strong reaction with HCl, moist, 10Y 4/1 dark greenish gray (SC)	54			Vibracore		
-61.9	13.3								
		NO RECOVERY							

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 = 559,868 Y = 2,181,281			ELEVATION TOP OF BORING -48.6 Ft.														
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT. N-VALUE									
-65.6	17.0	NO RECOVERY		54			Vibracore										
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table><tr><td>SAMPLE ID</td><td>SAMPLE DEPTH</td><td>LABORATORY CLASSIFICATION</td></tr><tr><td>1</td><td>0.5/1.0</td><td>SP*</td></tr><tr><td>2</td><td>2.0/2.5</td><td>SP-SM*</td></tr></table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SP*	2	2.0/2.5	SP-SM*					
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION															
1	0.5/1.0	SP*															
2	2.0/2.5	SP-SM*															



