

Boring Designation CB-DUC03-34A

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-DUC03-34A				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)			HORIZONTAL NAD83		
3. DRILLING AGENCY Athena Technologies				11. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies Vibracore System			VERTICAL MLLW		
4. NAME OF DRILLER G. Bonn				12. TOTAL SAMPLES 3			DISTURBED 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 08-11-03			COMPLETED 08-11-03		
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -50.9 Ft.			17. TOTAL RECOVERY FOR BORING 94 %		
8. TOTAL DEPTH OF BORING 18.0 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
-50.9	0.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell, strong reaction with HCl, moist, 5Y 6/1 gray (SP)	100			-50.9		
				100	1		Vibracore		
							-51.9		
							-52.4		
				100			Vibracore		
							-55.9		
				100	2		-56.4		
							Vibracore		
-58.1	7.2		At El. -56.9 Ft., few medium to coarse-grained sand-sized shell At El. -57.2 Ft., little medium to coarse-grained sand-sized shell	100			-58.4		
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)	100	3		-58.9		
-60.9	10.0								
			SAND, clayey, mostly fine-grained sand-sized quartz, little clay, trace shell, no reaction with HCl, moist, 10GY 4/1 dark greenish gray (SC)	89			Vibracore		
-64.1	13.2								
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, no reaction with HCl, moist, 10Y 6/1 greenish gray (SP)						

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 = 574,168 Y = 2,184,870			ELEVATION TOP OF BORING -50.9 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
-67.9	16.9	RECOVERY		89			Vibracore														
-68.9	18.0									-68.9											
		NO	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>1.0/1.5</td><td>SP*</td></tr><tr><td>2</td><td>5.0/5.5</td><td>SP*</td></tr><tr><td>3</td><td>7.5/8.0</td><td>SP-SM*</td></tr></table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 2 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/1.5	SP*	2	5.0/5.5	SP*	3	7.5/8.0	SP-SM*						
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																			
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