

Boring Designation CB-DUC03-17

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-DUC03-17				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 3		DISTURBED 3		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 08-06-03		STARTED 08-06-03		COMPLETED 08-06-03
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -57.9 Ft.		17. TOTAL RECOVERY FOR BORING 66 %		
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
-57.9	0.0		SAND, silty, mostly fine to medium-grained sand-sized quartz, little silt, few fine to coarse-grained sand-sized shell, strong reaction with HCl, moist, slight organic odor, 5Y 4/1 dark gray (SM)				-57.9		
			At El. -59.9 Ft., few sand to gravel-sized shell up to 1/2"	100	1		Vibracore		
			At El. -62.3 Ft., little sand to gravel-sized shell up to 3/8", trace limestone up to 1/2", 5Y 5/1 gray	100			-62.3		
-63.5	5.6						-63.5		
-64.2	6.3		SHELL, mostly sand to gravel-sized shell up to 3/4", little quartz, few silt, strong reaction with HCl, moist, 5Y 5/1 gray	100	2		-64.2		
-64.6	6.7		SAND, silty, mostly sand to gravel-sized shell up to 3/4", little silt, little quartz, strong reaction with HCl, moist, 5Y 5/1 gray (SM)						
-66.2	8.3		SHELL, mostly sand to gravel-sized shell up to 3/4", little quartz, few silt, strong reaction with HCl, moist, 5Y 5/1 gray	100			Vibracore		
-67.2	9.3		At El. -66.1 Ft., clay lens at 8.2 - 0.1 foot thick				-67.0		
			SAND, silty, mostly sand to gravel-sized shell up to 3/4", little silt, little fine to medium-grained sand-sized quartz, 5Y 5/1 gray (SM)	100	3		-67.5		
-68.1	10.2		SAND, silty, mostly fine to medium-grained sand-sized quartz, little sand to gravel-sized shell up to 1/2", 5Y 5/1 gray (SM)						
			SAND, clayey, mostly fine to medium-grained sand-sized quartz, little clay, trace organic matter, weak reaction with HCl, moist, 5Y 4/2 olive gray (SC)	35			Vibracore		
-71.2	13.3								

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 = 564,441 Y = 2,178,256			ELEVATION TOP OF BORING -57.9 Ft.																	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT. N-VALUE												
-77.9	20.0	NO RECOVERY		35			Vibracore													
			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>0.0/4.4</td><td>SM*</td></tr><tr><td>2</td><td>5.6/6.3</td><td>SP*</td></tr><tr><td>3</td><td>9.1/9.6</td><td>SP-SM*</td></tr></tbody></table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.0/4.4	SM*	2	5.6/6.3	SP*	3	9.1/9.6	SP-SM*					
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