

Boring Designation CB-DUC03-23

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-DUC03-23		LOCATION COORDINATES X = 570,337 Y = 2,176,037		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 4	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 08-06-03	COMPLETED 08-06-03	
8. TOTAL DEPTH OF BORING 15.0 Ft.				16. ELEVATION TOP OF BORING		-53.9 Ft.		
				17. TOTAL RECOVERY FOR BORING		88 %		
				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
-53.9	0.0						-53.9		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell, trace silt, strong reaction with HCl, moist, 5Y 5/1 gray (SP)	100			-54.1 Vibracore		
				100	1		-54.7 Vibracore		
-55.5	1.6								
-55.8	1.9		SAND, clayey, mostly fine to medium-grained sand-sized quartz, little clay, trace shell, strong reaction with HCl, moist, 5Y 4/1 dark gray (SC)	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)	100	2		-56.9		
				100			-57.4 Vibracore		
				100			Vibracore		
				100			-58.9		
			At El. -58.9 Ft., little sand to gravel-sized shell up to 1/2"	100	3		-59.6 Vibracore		
-60.4	6.5		At El. -59.6 Ft., mostly fine to medium-grained sand-sized quartz, few medium to coarse-grained sand-sized shell						
			SAND, silty, mostly medium-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 2.5Y 4/2 dark grayish brown (SM)	100			Vibracore		
							-63.9		
				100	4		-64.4 Vibracore		
-67.2	13.3			61			Vibracore		
			At El. -65.4 Ft., 2.5Y 3/2 very dark grayish brown						
-68.9	15.0						-68.9		

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 = 570,337 Y = 2,176,037			ELEVATION TOP OF BORING -53.9 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
			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>0.2/0.8</td><td>SP*</td></tr><tr><td>2</td><td>3.0/3.5</td><td>SP-SM*</td></tr><tr><td>3</td><td>5.0/5.7</td><td>SP-SM*</td></tr></tbody></table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 1 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.2/0.8	SP*	2	3.0/3.5	SP-SM*	3	5.0/5.7	SP-SM*						
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