

Boring Designation CB-DUC03-30

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-DUC03-30				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		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 08-06-03		COMPLETED 08-06-03	
8. TOTAL DEPTH OF BORING 17.0 Ft.				16. ELEVATION TOP OF BORING		-53.1 Ft.			
				17. TOTAL RECOVERY FOR BORING		91 %			
				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
-53.1	0.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, trace silt, weak reaction with HCl, moist, 5Y 5/1 gray (SP)	100	1		-53.1		
-56.8	3.7		At El. -56.5 Ft., some sand to gravel-sized shell up to 3/4", strong reaction with HCl	100			-55.9		
-58.4	5.3		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few fine to coarse-grained sand-sized shell, few silt, strong reaction with HCl, moist, 5Y 5/1 gray (SP-SM)	100	2		-56.8		
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, few fine to coarse-grained sand-sized shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)	100	3		-58.4		
-64.7	11.6		At El. -64.3 Ft., few sand to gravel-sized shell up to 1"				-63.1		
-66.1	13.0	Highly Weathered	LIMESTONE, soft, highly weathered, medium-grained, 5Y 7/1 light gray	78					
			SAND, silty, mostly medium-grained sand-sized quartz, little silt, no reaction with HCl, moist, weak cementation, 5Y 4/2 olive gray (SM)						

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 = 575,760 Y = 2,175,216			ELEVATION TOP OF BORING -53.1 Ft.															
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE									
-68.5	15.4	NO RECOVERED		78			Vibracore											
-70.1	17.0									-70.1								
NO RECOVERED			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>0.0/2.8</td><td>SP*</td></tr><tr><td>2</td><td>3.7/5.3</td><td>SP*</td></tr></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	0.0/2.8	SP*	2	3.7/5.3	SP*						
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