

Boring Designation CB-DUC03-32

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-DUC03-32		LOCATION COORDINATES X = 578,514 Y = 2,191,965		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 2		DISTURBED 2	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 08-05-03		STARTED 08-05-03	COMPLETED 08-05-03
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -54.7 Ft.			
8. TOTAL DEPTH OF BORING 21.0 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
-54.7	0.0						-54.7		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 5Y 5/1 gray (SP)	100			Vibracore		
				100	1		Vibracore		
				100			Vibracore		
-59.0	4.3		At El. -58.3 Ft., mostly fine to medium-grained sand-sized quartz, little sand to gravel-sized shell up to 1/2"				-59.0		
			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		Vibracore		
-60.7	6.0		At El. -60.0 Ft., few medium to coarse-grained sand-sized shell				-59.7		
			LIMESTONE, soft, highly weathered, medium-grained, 5Y 7/1 light gray				Vibracore		
			At El. -65.2 Ft., very soft	88					
			At El. -68.2 Ft., 2.5Y 7/2 light gray						

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 = 578,514 Y = 2,191,965			ELEVATION TOP OF BORING -54.7 Ft.															
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE									
-73.8	19.1	Highly Weathered NO RECOVERY	At El. -69.7 Ft., soft	88			Vibracore											
-75.7	21.0																	
			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>0.4/1.0</td><td>SP*</td></tr><tr><td>2</td><td>4.3/5.0</td><td>SP*</td></tr></table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.4/1.0	SP*	2	4.3/5.0	SP*						
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