
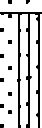





Boring Designation CB-DUC03-24

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-DUC03-24		LOCATION COORDINATES X = 568,555 Y = 2,172,284		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				13. TOTAL NUMBER CORE BOXES 2		14. ELEVATION GROUND WATER N/A			
6. THICKNESS OF OVERBURDEN N/A		DEG. FROM VERTICAL		15. DATE BORING		STARTED 08-06-03		COMPLETED 08-06-03	
7. DEPTH DRILLED INTO ROCK N/A		BEARING		16. ELEVATION TOP OF BORING -51.9 Ft.					
8. TOTAL DEPTH OF BORING 21.8 Ft.				17. TOTAL RECOVERY FOR BORING 100 %					
				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
-51.9	0.0						-51.9		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell, trace silt, strong reaction with HCl, moist, 5Y 6/1 gray (SP)	100	1		Vibracore		
			At El. -53.4 Ft., mostly fine-grained sand-sized quartz From El. -54.1 to -54.2 Ft., layer of fat clay	100			Vibracore		
-55.6	3.7		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 5Y 6/1 gray (SP-SM)	100	2		-55.9		
							Vibracore		
-57.2	5.3		SAND, silty, mostly fine-grained sand-sized quartz, little silt, trace shell, strong reaction with HCl, moist, 5Y 5/1 gray (SM)						
-61.5	9.6		CLAY, fat, high plasticity, few quartz, weak reaction with HCl, moist, 5GY 5/1 greenish gray (CH)	100			Vibracore		

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 = 568,555 Y = 2,172,284			ELEVATION TOP OF BORING -51.9 Ft.															
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE									
-73.8	21.8			100			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>0.0/1.5</td><td>SP*</td></tr><tr><td>2</td><td>4.0/4.5</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	0.0/1.5	SP*	2	4.0/4.5	SP-SM*						
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																
1	0.0/1.5	SP*																
2	4.0/4.5	SP-SM*																

