

Boring Designation CB-DUC04-42

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT Duval County FL BEC Borrow Area B1				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION CB-DUC04-42		LOCATION COORDINATES X = 417,139 Y = 2,180,309		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27			
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES		DISTURBED 4			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES		1			
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER		Tidal			
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING		STARTED 04-18-04 COMPLETED 04-18-04			
8. TOTAL DEPTH OF BORING 19.4 Ft.				16. ELEVATION TOP OF BORING		-51.8 Ft.			
				17. TOTAL RECOVERY FOR BORING		99 %			
				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-51.8	0.0		SAND, poorly-graded, mostly subrounded fine-grained sand-sized quartz, trace angular shell up to 2", trace silt, strong reaction with HCl, wet, 10BG 5/1 greenish gray (SP)	100			-51.8		
				100	1		Vibrocure		
							-52.8		
							Vibrocure		
							-53.8		
				100			Vibrocure		
-58.0	6.2		At El. -57.3 Ft., some angular shell up to 2", 10BG 5/1 greenish gray						
			CLAY, lean, low plasticity, some angular shell up to 1-1/2", trace silt, 10BG 5/1 greenish gray (CL)						
				100	2		Vibrocure		
							-59.8		
							-60.8		
-61.8	10.0		SAND, silty, mostly subrounded fine-grained sand-sized quartz, some angular shell up to 1", few silt, weak reaction with HCl, 10BG 5/1 greenish gray (SM)	100			Vibrocure		
-62.8	11.0		SAND, poorly-graded with silt, mostly rounded fine-grained sand-sized quartz, some angular shell up to 1", occasional layers of clay up to 2", 10BG 5/1 greenish gray (SP-SM)						
				100	3		Vibrocure		
							-63.8		
							-64.8		
				100			Vibrocure		

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 NAD27	VERTICAL MLLW																	
LOCATION COORDINATES X = 417,139 Y = 2,180,309			ELEVATION TOP OF BORING -51.8 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-71.0	19.2	.		100	4		-67.3 Vibracore																
-71.2	19.4			100			-68.3 Vibracore																
				93			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>1.0/2.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>8.0/9.0</td> <td>CL*</td> </tr> <tr> <td>3</td> <td>12.0/13.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SP-SM*</td> </tr> </tbody> </table>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SP*	2	8.0/9.0	CL*	3	12.0/13.0	SP-SM*	4	15.5/16.5	SP-SM*					
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4	15.5/16.5	SP-SM*																					
			*Lab visual classification based on gradation curve. No Atterberg limits.																				
			3. Additional Laboratory Testing																				
			1 Specific Gravity																				