

DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District	SHEET 1 OF 2 SHEETS
1. PROJECT Duval County FL BEC Borrow Area A			9. SIZE AND TYPE OF BIT See Remarks	
2. BORING DESIGNATION CB-DUC04-11		LOCATION COORDINATES X = 418,500 Y = 2,187,329	10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)	HORIZONTAL NAD27 VERTICAL MLLW
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	UNDISTURBED (UD) 0
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL	BEARING	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 04-16-04 COMPLETED 04-16-04		
8. TOTAL DEPTH OF BORING 19.8 Ft.		16. ELEVATION TOP OF BORING -49.1 Ft.		
		17. TOTAL RECOVERY FOR BORING 95 %		
		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	ROD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-49.1	0.0						-49.1		
			SAND, poorly-graded, mostly subrounded fine-grained sand-sized quartz, little angular medium-grained sand-sized shell up to 1/2", trace silt, weak reaction with HCl, wet, 5PB 7/1 light bluish gray (SP)	100			Vibrocure		
				100	1		Vibrocure		
-51.6	2.5						-51.1		
			SHELL, mostly angular medium to coarse-grained sand-sized shell up to 1", little fine-grained sand-sized quartz, trace silt, strong reaction with HCl, wet, 5PB 7/1 light bluish gray	100			Vibrocure		
-52.8	3.7						-52.6		
			SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, trace silt, trace angular shell up to 1-1/4", weak reaction with HCl, wet, 5PB 7/1 light bluish gray (SP-SM)	100	2		Vibrocure		
				100			-53.6		
							Vibrocure		
				100	3		-55.6		
							-56.6		
-57.3	8.2			100			Vibrocure		
			SAND, clayey, mostly fine-grained sand-sized carbonate, some clay, weak reaction with HCl, wet, 10B 4/1 dark bluish gray (SC)	100	4		Vibrocure		
							-57.6		
				100			-58.6		
				90			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 = 418,500 Y = 2,187,329			ELEVATION TOP OF BORING -49.1 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-67.9	18.8			90			Vibracore																
-68.9	19.8	NR					-68.9																
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>3.5/4.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>6.5/7.5</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>8.5/9.5</td> <td>SC*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 4 Specific Gravity			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SP*	2	3.5/4.5	SP*	3	6.5/7.5	SP-SM*	4	8.5/9.5	SC*						
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