


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-DUC04-02			10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27 VERTICAL MLLW
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.			11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		
4. NAME OF DRILLER James F. Cole			12. TOTAL SAMPLES 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 04-16-04		
8. TOTAL DEPTH OF BORING 19.3 Ft.			16. ELEVATION TOP OF BORING -48.6 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
-48.6	0.0						-48.6		
			SAND, poorly-graded, mostly subrounded to rounded fine-grained sand-sized quartz, some carbonate, trace silt, strong reaction with HCl, wet, 10B 8/1 light bluish gray (SP)	100			Vibrocure		
				100	1		-50.1		
							Vibrocure		
				100			-51.1		
							Vibrocure		
				100			-53.1		
			At El. -53.6 Ft., few angular medium to coarse-grained sand-sized shell up to 1"	100	2		Vibrocure		
-55.1	6.5						-55.1		
			CLAY, lean, low plasticity, very soft, weak reaction with HCl, moist, 5BG 4/1 dark greenish gray (CL)	100			Vibrocure		
-58.1	9.5								
-59.1	10.5		SILT, inorganic-L, nonplastic, very soft, few subangular to subrounded fine-grained sand-sized carbonate, trace quartz, strong reaction with HCl, wet, 2.5Y 7/1 light gray (ML)						
			SAND, silty, mostly subrounded fine-grained sand-sized carbonate, little silt, trace angular sand to gravel-sized shell up to 1/2", strong reaction with HCl, wet, weak cementation, 2.5Y 8/1 white (SM)	100	3		-59.6		
							Vibrocure		
				100			-60.6		
							Vibrocure		
			At El. -62.6 Ft., moderate cementation						

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																		
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																		
Duval County FL BEC			State Plane, FLE (U.S. Ft.)		NAD27	MLLW																		
LOCATION COORDINATES			ELEVATION TOP OF BORING																					
X = 417,631 Y = 2,189,398			-48.6 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-65.6	17.0		SAND, silty, mostly subrounded fine-grained sand-sized quartz, weak reaction with HCl, weak cementation, 2.5Y 7/2 light gray (SM)	100	4		Vibracore	-65.1																
	100			Vibracore			-66.1																	
-67.7 -67.9	19.1 19.3			89			Vibracore	-67.9																
<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <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>1.5/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>4.5/6.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>16.5/17.5</td> <td>SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>2 Specific Gravity</p>										SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP*	2	4.5/6.5	SP*	3	11.0/12.0	SM*	4	16.5/17.5	SM*
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