

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-DUC04-37		LOCATION COORDINATES X = 413,874 Y = 2,181,269		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 Vibracore		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES 4		DISTURBED 0 UNDISTURBED (UD)			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A		7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING 04-18-04		STARTED 04-18-04 COMPLETED 04-18-04			
8. TOTAL DEPTH OF BORING 19.3 Ft.				16. ELEVATION TOP OF BORING -50.1 Ft.		17. TOTAL RECOVERY FOR BORING 100 %			
				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
-50.1	0.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, some angular shell up to 2", trace silt, weak reaction with HCl, wet, N 7/ light gray (SP)	100			-50.1		
				100	1		-51.6		
							-52.6		
-53.6	3.5		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace angular shell up to 2", strong reaction with HCl, wet, N 7/ light gray (SP-SM)	100					
-57.1	7.0		SHELL, mostly angular medium-grained sand-sized shell up to 1-1/2", some fine-grained sand-sized quartz, trace silt, weak reaction with HCl, wet, weak cementation, N 7/ light gray	100	2		-57.1		
							-58.1		
-59.1	9.0		CLAY, lean, low plasticity, firm, some angular shell up to 1", little silt, few fine-grained sand-sized quartz, wet, 5GY 5/1 greenish gray (CL)						
-60.1	10.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, some shell, little silt, wet, 2.5Y 7/6 yellow (SP)	100					
-61.1	11.0		CLAY, lean, medium plasticity, very soft, some silt, few fine-grained sand-sized quartz, weak reaction with HCl, wet, 5GY 4/1 dark greenish gray (CL)						
				100	3		-62.6		
-63.6	13.5		SAND, silty, mostly fine-grained sand-sized quartz, few silt, trace angular shell up to 1/4", wet, weak cementation, N 7/ light gray (SM)	100			-63.6		

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																					
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ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-69.4	19.3			100			Vibracore																	
				100	4		Vibracore																	
				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>1.5/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>7.0/8.0</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>12.5/13.5</td> <td>CL*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SM*</td> </tr> </tbody> </table>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP*	2	7.0/8.0	SP-SM*	3	12.5/13.5	CL*	4	16.0/17.0	SM*						
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			*Lab visual classification based on gradation curve. No Atterberg limits.																					
			3. Additional Laboratory Testing																					
			3 Specific Gravity																					