

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-DUC04-43		LOCATION COORDINATES X = 418,638 Y = 2,180,338		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				DEG. FROM VERTICAL		BEARING	
6. THICKNESS OF OVERBURDEN N/A				13. TOTAL NUMBER CORE BOXES 1		UNDISTURBED (UD) 0	
7. DEPTH DRILLED INTO ROCK N/A				14. ELEVATION GROUND WATER Tidal		15. DATE BORING 04-19-04	
8. TOTAL DEPTH OF BORING 19.8 Ft.				16. ELEVATION TOP OF BORING -46.9 Ft.		COMPLETED 04-19-04	
				17. TOTAL RECOVERY FOR BORING 81 %		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
-46.9	0.0		SAND, poorly-graded, mostly rounded fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/2", wet, 10B 5/1 bluish gray (SP)	100			-46.9
				100	1		-48.9
				100	2		-49.9
			At El. -50.9 Ft., weak cementation	100			-54.4
				100			-55.4
				100			-57.9
-57.9	11.0		SAND, poorly-graded with silt, mostly rounded fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/2", wet, weak cementation, 10B 5/1 bluish gray (SP-SM)	100	3		-58.9
				100			-59.9
-59.9	13.0		SAND, poorly-graded, mostly rounded fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/2", wet, weak cementation, 10B 5/1 bluish gray (SP)	100	4		-60.9
				34			

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 = 418,638 Y = 2,180,338			ELEVATION TOP OF BORING -46.9 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-62.4	15.5	...	SILT, inorganic-L, medium plasticity, soft, some clay, strong reaction with HCl, wet, 10B 4/1 dark bluish gray (ML)	34			Vibracore																	
-62.9	16.0																							
-66.7	19.8	NO RECOVERY																						
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>2.0/3.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>7.5/8.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>13.0/14.0</td> <td>SP*</td> </tr> </tbody> </table>			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.0/3.0	SP*	2	7.5/8.5	SP*	3	11.0/12.0	SP-SM*	4	13.0/14.0	SP*							
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*Lab visual classification based on gradation curve. No Atterberg limits.																								
3. Additional Laboratory Testing																								
1 Specific Gravity																								