

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-DUC04-46				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.				11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore		VERTICAL MLLW	
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		UNDISTURBED (UD) 0	
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER Tidal		15. DATE BORING 04-19-04	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -56.9 Ft.		COMPLETED 04-19-04	
8. TOTAL DEPTH OF BORING 18.6 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
-56.9	0.0						-56.9		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace angular shell up to 1", wet, 5B 6/1 bluish gray (SP-SM)	100			Vibracore		
				100	1		-57.9		
							Vibracore		
							-58.9		
				100			Vibracore		
							-62.9		
				100	2		Vibracore		
							-63.9		
-64.9	8.0								
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace angular shell up to 1", weak reaction with HCl, wet, weak cementation, 5GY 5/1 greenish gray (SP)	100			Vibracore		
							-68.4		
				100	3		Vibracore		
							-69.4		
-70.9	14.0			100			Vibracore		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace angular shell up to 1", weak reaction with						

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 = 414,743 Y = 2,179,559			-56.9 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
			HCI, wet, 5GY 5/1 greenish gray (SP-SM)	100			Vibracore																
				100	4		Vibracore																
				100			Vibracore																
-75.5	18.6																						
			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-SM*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>11.5/12.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SP-SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 2 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SP-SM*	2	6.0/7.0	SP-SM*	3	11.5/12.5	SP*	4	16.0/17.0	SP-SM*					
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																					
1	1.0/2.0	SP-SM*																					
2	6.0/7.0	SP-SM*																					
3	11.5/12.5	SP*																					
4	16.0/17.0	SP-SM*																					