

Boring Designation CB-DUC04-49

DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District	SHEET 1 OF 2 SHEETS
1. PROJECT Duval County FL BEC Southeast of Borrow B1			9. SIZE AND TYPE OF BIT See Remarks	
2. BORING DESIGNATION CB-DUC04-49		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		
LOCATION COORDINATES X = 421,243 Y = 2,171,716		HORIZONTAL NAD27 VERTICAL MLLW		
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		
CONTRACTOR FILE NO.		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER		
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		
DEG. FROM VERTICAL		14. ELEVATION GROUND WATER Tidal		
BEARING		15. DATE BORING 04-19-04		
6. THICKNESS OF OVERBURDEN N/A		STARTED 04-19-04 COMPLETED 04-19-04		
7. DEPTH DRILLED INTO ROCK N/A		16. ELEVATION TOP OF BORING -54.2 Ft.		
8. TOTAL DEPTH OF BORING 19.3 Ft.		17. TOTAL RECOVERY FOR BORING 77 %		
		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
-54.2	0.0		SAND, poorly-graded, mostly subangular fine-grained sand-sized carbonate, trace angular shell up to 1", trace silt, strong reaction with HCl, wet, N 8/ white (SP)	100			-54.2		0
				100	1		-56.2		
				100			-57.2		
-59.2	5.0		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized carbonate, few silt, trace angular shell up to 1", strong reaction with HCl, wet, N 8/ white (SP-SM)	100			-60.2		5
				100	2		-61.2		
				100			-63.2		
				100	3		-64.2		10
-65.2	11.0		SAND, silty, mostly subangular fine-grained sand-sized carbonate, little silt, trace angular shell up to 1", strong reaction with HCl, wet, N 8/ white (SM)	100	4		-65.2		
				100			-66.2		
-67.2	13.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little silt, weak reaction with HCl, wet, 10Y 6/1 greenish gray (SP)	38					
-69.0	14.8								

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														
-73.5	19.3	NO RECOVERY		38			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>2.0/3.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>9.0/10.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>11.0/12.0</td> <td>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	2.0/3.0	SP*	2	6.0/7.0	SP-SM*	3	9.0/10.0	SP-SM*	4	11.0/12.0	SM*					
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