

Boring Designation CB-DUC04-50

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS	
1. PROJECT Duval County FL BEC St. John's River Entrance Channel				9. SIZE AND TYPE OF BIT See Remarks			
2. BORING DESIGNATION CB-DUC04-50		LOCATION COORDINATES X = 372,655 Y = 2,206,664		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 Vibracore		<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			
7. DEPTH DRILLED INTO ROCK N/A				14. ELEVATION GROUND WATER Tidal			
8. TOTAL DEPTH OF BORING 19.6 Ft.				15. DATE BORING		STARTED 04-19-04	
				16. ELEVATION TOP OF BORING -18.3 Ft.		COMPLETED 04-19-04	
				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 UP	REMARKS	BLOWS/ 1 FT.	N-VALUE
-18.3	0.0						-18.3		
			SAND, poorly-graded, mostly subrounded fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/2", wet, 1" clay lense at 4.0', 10B 6/1 bluish gray (SP)	100			-18.8	Vibracore	
				100	1		-19.8	Vibracore	
				100			-21.3	Vibracore	
				100	2		-22.3	Vibracore	
				100					
-25.8	7.5		SHELL, mostly angular medium-grained sand-sized shell up to 3/4", few subrounded fine-grained sand-sized quartz, strong reaction with HCl, wet, 5Y 3/2 dark olive gray				-26.8		
				100	3		-27.8	Vibracore	
				100			-30.3	Vibracore	
				100	4		-31.3	Vibracore	
				98					

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 = 372,655 Y = 2,206,664				ELEVATION TOP OF BORING -18.3 Ft.																			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-37.8	19.8			98			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>0.5/1.5</td><td>SP*</td></tr> <tr><td>2</td><td>3.0/4.0</td><td>SP*</td></tr> <tr><td>3</td><td>8.5/9.5</td><td>SP*</td></tr> <tr><td>4</td><td>12.0/13.0</td><td>SP*</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	0.5/1.5	SP*	2	3.0/4.0	SP*	3	8.5/9.5	SP*	4	12.0/13.0	SP*					
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