

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-DUC04-28		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27 VERTICAL MLLW
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		LOCATION COORDINATES X = 414,150 Y = 2,183,271		11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER
4. NAME OF DRILLER James F. Cole		CONTRACTOR FILE NO.		12. TOTAL SAMPLES 4 UNDISTURBED (UD) 0
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL	BEARING	13. TOTAL NUMBER CORE BOXES 1
6. THICKNESS OF OVERBURDEN N/A		14. ELEVATION GROUND WATER Tidal		15. DATE BORING STARTED 04-17-04 COMPLETED 04-17-04
7. DEPTH DRILLED INTO ROCK N/A		16. ELEVATION TOP OF BORING -53.2 Ft.		17. TOTAL RECOVERY FOR BORING 97 %
8. TOTAL DEPTH OF BORING 19.8 Ft.		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
-53.2	0.0		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, trace silt, trace angular shell up to 2", weak reaction with HCl, wet, N 7/ light gray (SP-SM)	100			-53.2 Vibracore		0
				100	1		-54.7 -55.2 Vibracore		
-57.2	4.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace angular shell up to 2", weak reaction with HCl, wet, N 7/ light gray (SP)	100			Vibracore		5
				100	2		-60.2 -61.2 Vibracore		
-62.2	9.0		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few clay, trace shell up to 2", weak reaction with HCl, wet, 10Y 5/1 greenish gray (SP-SM)	100			Vibracore		10
				100	3		-64.2 -65.2 Vibracore		
-67.2	14.0		SAND, silty, mostly fine-grained sand-sized quartz, some silt, trace shell, weak reaction with HCl, wet, 10Y 5/1 greenish gray (SM)	100			Vibracore		15

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 = 414,150 Y = 2,183,271			ELEVATION TOP OF BORING -53.2 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-72.5	19.3			100			Vibracore																
							-69.2																
				100	4		Vibracore																
							-70.2																
				82			Vibracore																
-73.0	19.8	N					-73.0																
<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <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>1.5/2.0</td> <td>SP-SM*</td> </tr> <tr> <td>2</td> <td>7.0/8.0</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>16.0/17.0</td> <td>SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>2 Specific Gravity</p>			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.0	SP-SM*	2	7.0/8.0	SP*	3	11.0/12.0	SP-SM*	4	16.0/17.0	SM*						
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