

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS		
1. PROJECT VENICE BEACH BEACH SAND SEARCH Sarasota County, Florida				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION VB-SCV09-10		LOCATION COORDINATES X = 500,509 Y = 949,564		10. COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL NAVD88	
3. DRILLING AGENCY Challenge Engineering & Testing, Inc.		CONTRACTOR FILE NO. 2009D07		11. MANUFACTURER'S DESIGNATION OF DRILL Alpine 271 Vibracore Unit		<input type="checkbox"/> AUTO HAMMER <input checked="" type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER American Vibracore Services, Inc.				12. TOTAL SAMPLES 2		DISTURBED 2		UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 06-17-09		STARTED 06-17-09		COMPLETED 06-17-09	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -42.5 Ft.		17. TOTAL RECOVERY FOR BORING 100 %			
8. TOTAL DEPTH OF BORING 12.6 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-42.5	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, some angular to subangular shell up to 1", wet, 5Y 6/2 light olive gray (SP)	100			-42.5		
				100	1		-43.0 Vibracore		
				100			-43.5 Vibracore		
-44.5	2.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1", wet, 5Y 6/2 light olive gray (SM)	100	2		-44.5 Vibracore		
			At El. -45.3 Ft., little angular to subangular shell up to 1-1/2"				-45.0 Vibracore		
			At El. -48.0 Ft., few angular to subangular shell up to 1", 5Y 3/2 dark olive gray						
			At El. -49.5 Ft., trace angular to subangular shell up to 1/2"	100			Vibracore		
-52.0	9.5		SAND, clayey, mostly subangular fine-grained sand-sized quartz, wet, 10GY 5/1 greenish gray (SC)						
			At El. -53.3 Ft., trace limestone						
-54.3	11.8		SAND, silty, mostly subangular fine-grained sand-sized quartz, few clay, trace limestone, wet, 5Y 7/2 light gray (SM)						
-55.1	12.6						-55.1		
NOTES: 1. USACE Jacksonville is the custodian for these original files. 2. Soils are field visually classified in									

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS															
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LOCATION COORDINATES X = 500,509 Y = 949,564			ELEVATION TOP OF BORING -42.5 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
			<p>accordance with the Unified Soils Classification System.</p> <p>3. Vibracore Borings Were Sampled With An Alpine 271 Pneumatic Powered Unit Using A 3 5/8" Lexan Liner To Termination Depth Specified.</p> <p>4. Non-ASTM Carbonate Analysis Performed At Depth 0.5-1.0 Ft. = 5.2% Lossage</p> <p>5. 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>0.5/1.0</td> <td>SP*</td> </tr> <tr> <td>1B</td> <td>/12.6</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>2.0/2.5</td> <td>SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SP*	1B	/12.6	SP*	2	2.0/2.5	SM*						
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