

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-SCV09-07		LOCATION COORDINATES X = 497,927 Y = 950,088		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				DEG. FROM VERTICAL		BEARING			
6. THICKNESS OF OVERBURDEN N/A				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING 06-17-09		STARTED 06-17-09		COMPLETED 06-17-09	
8. TOTAL DEPTH OF BORING 12.0 Ft.				16. ELEVATION TOP OF BORING -40.7 Ft.		17. TOTAL RECOVERY FOR BORING 88 %			
				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
-40.7	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, some angular to subangular shell up to 1", wet, 5Y 4/2 olive gray (SP)	100			-40.7		
-42.5	1.8		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 2", wet, weak cementation, 5Y 6/2 light olive gray (SM)	100	1		Vibracore		
				100			-41.7		
				100	2		Vibracore		
				100			-42.2		
							-42.7		
							-43.2		
-49.2	8.5		At El. -45.5 Ft., 5Y 4/2 olive gray	85			Vibracore		
			At El. -47.9 Ft., moderate cementation, 5Y 7/2 light gray						
-51.3	10.6		SAND, clayey, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 1", wet, 5GY 5/1 greenish gray (SC)						
			At El. -49.9 Ft., discontinue shell						
-52.7	12.0	NR					-52.7		
			NOTES: 1. USACE Jacksonville is the custodian for these original files. 2. Soils are field visually classified in accordance with the Unified Soils Classification System.						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS															
PROJECT VENICE BEACH BEACH SAND SEARCH			COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL NAVD88															
LOCATION COORDINATES X = 497,927 Y = 950,088			ELEVATION TOP OF BORING -40.7 Ft.																		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE												
			<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 1.0-1.5 Ft. = 6.1% 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>1.0/1.5</td> <td>SP*</td> </tr> <tr> <td>1B</td> <td>/12.0</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	1.0/1.5	SP*	1B	/12.0	SP*	2	2.0/2.5	SM*						
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