

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-SCV09-09		LOCATION COORDINATES X = 499,941 Y = 948,530		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		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			
7. DEPTH DRILLED INTO ROCK N/A				14. ELEVATION GROUND WATER		Tidal			
8. TOTAL DEPTH OF BORING 12.0 Ft.				15. DATE BORING		STARTED 06-17-09		COMPLETED 06-17-09	
				16. ELEVATION TOP OF BORING		-40.8 Ft.			
				17. TOTAL RECOVERY FOR BORING		97 %			
				18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-40.8	0.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 1", trace clay, wet, 5Y 5/2 olive gray (SM)	100			-40.8		
			At El. -42.1 Ft., some angular to subangular shell up to 1"	100	1		-41.3 Vibracore		
							-41.8 Vibracore		
			At El. -43.8 Ft., strong cementation	100			Vibracore		
			At El. -44.2 Ft., 2.5Y 7/2 light gray						
-44.8	4.0						-44.8		
			SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, some angular to subangular shell up to 3/4", wet, strong cementation, 2.5Y 7/2 light gray (SP-SM)	100	2		-45.3 Vibracore		
-46.3	5.5								
			SAND, clayey, mostly subangular fine-grained sand-sized quartz, wet, no cementation, 5GY 6/1 greenish gray (SC)	95			Vibracore		
-52.4	11.6								
-52.8	12.0	NO REC					-52.8		
			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 = 499,941 Y = 948,530			ELEVATION TOP OF BORING -40.8 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. 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>SM*</td> </tr> <tr> <td>2</td> <td>4.0/4.5</td> <td>SP-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	SM*	2	4.0/4.5	SP-SM*						
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