

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-SCV09-27				LOCATION COORDINATES X = 487,387 Y = 946,035		10. COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83	
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 3		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 06-16-09		STARTED 06-16-09	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -43.9 Ft.		17. TOTAL RECOVERY FOR BORING 97 %		COMPLETED 06-16-09	
8. TOTAL DEPTH OF BORING 13.7 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
-43.9	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 3/8", wet, 5Y 4/1 dark gray (SP)	100			-43.9		
				100	1		Vibracore		
							-44.9		
							-45.4		
				100			Vibracore		
-47.9	4.0		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 3/8", trace coral up to 3/8", wet, 5Y 6/1 gray (SP-SM)	100	2		-47.9		
-48.9	5.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 3", wet, 5Y 6/1 gray (SM)	100			-48.4		
				100	3		Vibracore		
							-49.9		
							-50.4		
-53.9	10.0		At El. -51.9 Ft., few coral up to 2"						
			SILT, inorganic-L, few angular to subangular shell up to 1", wet, 5Y 8/2 pale yellow (ML)	94			Vibracore		
-57.2	13.3								
-57.6	13.7	NO REC.					-57.6		
NOTES: 1. USACE Jacksonville is the custodian for									

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 = 487,387 Y = 946,035			ELEVATION TOP OF BORING -43.9 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
			<p>these original files.</p> <p>2. Soils are field visually classified in 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 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>/13.7</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>4.0/4.5</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>6.0/6.5</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	/13.7	SP*	2	4.0/4.5	SP-SM*	3	6.0/6.5	SM*						
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