

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-SCV09-23		LOCATION COORDINATES X = 495,576 Y = 943,312		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	
4. NAME OF DRILLER American Vibracore Services, Inc.		12. TOTAL SAMPLES		DISTURBED 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		7. DEPTH DRILLED INTO ROCK N/A		14. ELEVATION GROUND WATER Tidal	
8. TOTAL DEPTH OF BORING 20.0 Ft.		15. DATE BORING		STARTED 06-18-09	COMPLETED 06-18-09
		16. ELEVATION TOP OF BORING -35.4 Ft.		17. TOTAL RECOVERY FOR BORING 100 %	
		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
-35.4	0.0						-35.4		
			SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 1", wet, 5Y 4/1 dark gray (SP)	100			Vibracore		
				100	1		-36.4		
							-36.9		
				100			Vibracore		
							-39.4		
			At El. -39.4 Ft., few angular to subangular shell up to 3/8"	100	2		-39.9		
				100			Vibracore		
							-42.4		
				100	3		-42.9		
				100			Vibracore		
			At El. -43.9 Ft., mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1/2"	100	4		-44.4		
							-44.9		
				100			Vibracore		
			At El. -48.9 Ft., strong cementation						

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 = 495,576 Y = 943,312			ELEVATION TOP OF BORING -35.4 Ft.																							
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																	
-55.4	20.0			100			Vibracore																			
			<p>NOTES:</p> <p>1. USACE Jacksonville is the custodian for 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. = 3.6% 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>/20.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>4.0/4.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>7.0/7.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>9.0/9.5</td> <td>SP*</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	/20.0	SP*	2	4.0/4.5	SP*	3	7.0/7.5	SP*	4	9.0/9.5	SP*					
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