

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-SCV09-05		LOCATION COORDINATES X = 496,172 Y = 949,798		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 3		DISTURBED 3		UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1					
6. THICKNESS OF OVERBURDEN N/A				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 10.9 Ft.				16. ELEVATION TOP OF BORING -40.8 Ft.					
				17. TOTAL RECOVERY FOR BORING 83 %					
				18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RCD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-40.8	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 1", wet, 5Y 4/2 olive gray (SP)	100			-40.8		
				100	1		-42.3		
							-42.8		
				100			Vibracore		
			At El. -43.8 Ft., some angular to subangular shell up to 2"				-44.3		
-44.8	4.0			100	2		-44.8		
			SAND, silty, mostly subangular fine-grained sand-sized quartz, some angular to subangular shell up to 2", wet, 5Y 5/2 olive gray (SM)	100			-45.3		
				100	3		-45.8		
			At El. -46.3 Ft., 5Y 3/2 dark olive gray						
			At El. -47.3 Ft., 5Y 2.5/1 black						
			At El. -48.8 Ft., strong cementation, 5Y 6/2 light olive gray	68			Vibracore		
-49.8	9.0								
		N/R							
-51.7	10.9						-51.7		
			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. 3. Vibracore Borings Were Sampled With An Alpine 271 Pneumatic Powered Unit Using A 3 5/8" Lexan Liner To Termination						

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																		
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																		
LOCATION COORDINATES			ELEVATION TOP OF BORING																					
VENICE BEACH BEACH SAND SEARCH			State Plane, FLW (U.S. Ft.)		NAD83	NAVD88																		
X = 496,172 Y = 949,798			-40.8 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
			Depth Specified. 4. Non-ASTM Carbonate Analysis Performed At Depth 3.5-4.0 Ft. = 2.3% Lossage 5. Laboratory Testing Results <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>1.5/2.0</td><td>SP*</td></tr><tr><td>2</td><td>3.5/4.0</td><td>SP*</td></tr><tr><td>2B</td><td>/10.9</td><td>SP*</td></tr><tr><td>3</td><td>4.5/5.0</td><td>SM*</td></tr></tbody></table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.0	SP*	2	3.5/4.0	SP*	2B	/10.9	SP*	3	4.5/5.0	SM*						
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