

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-SCV09-06		LOCATION COORDINATES X = 497,330 Y = 948,891		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 3		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 11.3 Ft.				15. DATE BORING		STARTED 06-17-09		COMPLETED 06-17-09	
				16. ELEVATION TOP OF BORING		-40.1 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
-40.1	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 1/2", wet, 5Y 4/1 dark gray (SP)	100			-40.1		
				100	1		-41.6		
				100			-42.1		
-42.6	2.5		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 3/8" (SP-SM)	100	2		-42.6		
-43.6	3.5		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 2", wet, 5Y 5/2 olive gray (SM)	100			-43.1		
				100	3		-44.6		
				100			-45.1		
			At El. -46.9 Ft., moderate cementation, 5Y 7/2 light gray	95			Vibracore		
-48.9	8.8		SAND, clayey, mostly subangular fine-grained sand-sized quartz, trace angular to subangular shell up to 1/2", wet, 10Y 5/1 greenish gray (SC)						
-51.1	11.0								
-51.4	11.3	NO REC					-51.4		
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									

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
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			Using A 3 5/8" Lexan Liner To Termination Depth Specified. 4. Non-ASTM Carbonate Analysis Performed At Depth 2.5-3.0 Ft. = 7.8% 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>2.5/3.0</td><td>SP-SM*</td></tr><tr><td>2B</td><td>/11.3</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	2.5/3.0	SP-SM*	2B	/11.3	SP*	3	4.5/5.0	SM*						
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