

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-SCV09-30		LOCATION COORDINATES X = 490,182 Y = 944,175		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 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 STARTED 06-16-09 COMPLETED 06-16-09	
7. DEPTH DRILLED INTO ROCK N/A		16. ELEVATION TOP OF BORING -38.0 Ft.		17. TOTAL RECOVERY FOR BORING 82 %	
8. TOTAL DEPTH OF BORING 20.0 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
-38.0	0.0						-38.0		
			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			Vibracore		
				100	1		-39.0		
							-39.5		
				100			Vibracore		
							-41.5		
				100	2		-42.0		
-42.9	4.9		At El. -42.2 Ft., few clay						
			At El. -42.8 Ft., discontinue clay	100			Vibracore		
			SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1", wet, 5Y 5/1 gray (SP-SM)				-44.0		
				100	3		-44.5		
				73			Vibracore		
-51.0	13.0								
			LIMESTONE, very soft, slightly weathered, fine grained, 5Y 6/2 light olive gray						
-52.4	14.4	Sl. Weathered							
			SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to						

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 = 490,182 Y = 944,175			ELEVATION TOP OF BORING -38.0 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-54.3	16.3		subangular shell up to 1", wet, 5Y 4/4 olive (SM)	73			Vibracore																
-58.0	20.0		NO RECOVERY																				
			<p>NOTES:</p> <ol style="list-style-type: none"> USACE Jacksonville is the custodian for these original files. Soils are field visually classified in accordance with the Unified Soils Classification System. Vibracore Borings Were Sampled With An Alpine 271 Pneumatic Powered Unit Using A 3 5/8" Lexan Liner To Termination Depth Specified. Non-ASTM Carbonate Analysis Performed At Depth 1.0-1.5 Ft. = 3.5% Lossage 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>1.0/1.5</td> <td>SP*</td> </tr> <tr> <td>1B</td> <td>/20.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>3.5/4.0</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>6.0/6.5</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	1.0/1.5	SP*	1B	/20.0	SP*	2	3.5/4.0	SP*	3	6.0/6.5	SP-SM*					
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