

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-SCV09-43		LOCATION COORDINATES X = 491,119 Y = 936,841		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 -39.0 Ft.		17. TOTAL RECOVERY FOR BORING 91 %	
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
-39.0	0.0						-39.0		
			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			Vibracore		
				100	1		-40.5 -41.0 Vibracore		
				100			Vibracore		
				100	2		-44.5 -45.0 Vibracore		
				100			Vibracore		
			At El. -46.5 Ft., mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1/8", wet, 5Y 7/1 light gray						
-48.5	9.5						-48.5		
			SAND, silty, mostly subangular fine-grained sand-sized quartz, little shell up to 1/2", wet, 5Y 7/1 light gray (SM)	100	3		-49.0 Vibracore		
				82			Vibracore		
-52.0	13.0								
			LIMESTONE, fossiliferous, soft, moderately weathered, porous, 5Y 8/2 pale yellow						

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 = 491,119 Y = 936,841			ELEVATION TOP OF BORING -39.0 Ft.																	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE											
-57.2	18.2	Moderately Weathered		82			Vibracore													
-59.0	20.0	NIR					-59.0													
<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. 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>1.5/2.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>5.5/6.0</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>9.5/10.0</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	1.5/2.0	SP*	2	5.5/6.0	SP*	3	9.5/10.0	SM*						
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