

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-SCV09-04		LOCATION COORDINATES X = 495,206 Y = 949,996	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 4	UNDISTURBED (UD) 0
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL	13. TOTAL NUMBER CORE BOXES 1	
6. THICKNESS OF OVERBURDEN N/A		BEARING	14. ELEVATION GROUND WATER Tidal	
7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING	STARTED 06-17-09	COMPLETED 06-17-09
8. TOTAL DEPTH OF BORING 11.3 Ft.		16. ELEVATION TOP OF BORING -38.0 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	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 2", wet, 5Y 4/2 olive gray (SP)	100			-38.5 Vibracore		
				100	1		-39.0 Vibracore		
-40.2	2.2			100			Vibracore		
-40.8	2.8		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1", wet, 5Y 6/1 gray (SP-SM)	100	2		-40.8		
			SAND, silty, mostly subangular fine-grained sand-sized shell, few angular to subangular shell up to 2", wet, 5Y 5/2 olive gray (SM)	100			-41.3 Vibracore		
				100			Vibracore		
			At El. -44.0 Ft., little angular to subangular shell up to 1-1/2"	100	3		-44.0		
				100			-44.5 Vibracore		
			At El. -46.0 Ft., some angular to subangular shell up to 1-1/2"	100	4		-46.0		
				100			-46.5 Vibracore		
			At El. -48.0 Ft., 5Y 3/2 dark olive gray	89			Vibracore		
-49.0	11.0								
-49.3	11.3	NO REC					-49.3		
			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																		
PROJECT VENICE BEACH BEACH SAND SEARCH			COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL NAVD88																		
LOCATION COORDINATES X = 495,206 Y = 949,996			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															
			Using A 3 5/8" Lexan Liner To Termination Depth Specified. 4. 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>0.5/1.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>2.8/3.3</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>6.0/6.5</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>8.0/8.5</td> <td>SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.0	SP*	2	2.8/3.3	SM*	3	6.0/6.5	SM*	4	8.0/8.5	SM*						
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