

Boring Designation VB-SCV09-08

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					
				10. COORDINATE SYSTEM/DATUM State Plane, FLW (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL NAVD88	
				11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER Alpine 271 Vibracore Unit <input checked="" type="checkbox"/> MANUAL HAMMER					
2. BORING DESIGNATION VB-SCV09-08		LOCATION COORDINATES X = 498,970 Y = 948,964		12. TOTAL SAMPLES 2		DISTURBED 0			
3. DRILLING AGENCY Challenge Engineering & Testing, Inc.		CONTRACTOR FILE NO. 2009D07		13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
4. NAME OF DRILLER American Vibracore Services, Inc.				15. DATE BORING 06-17-09		COMPLETED 06-17-09			
				16. ELEVATION TOP OF BORING -36.3 Ft.		17. TOTAL RECOVERY FOR BORING 85 %			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		BEARING		18. SIGNATURE AND TITLE OF INSPECTOR V. J. Thompson III, Civil Engineer			
6. THICKNESS OF OVERBURDEN N/A		7. DEPTH DRILLED INTO ROCK N/A		8. TOTAL DEPTH OF BORING 20.0 Ft.					

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQDD COR'D	REMARKS	BLOWS/ 1 FT.	N-VALUE
-36.3	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			-36.3		
				100	1		Vibracore		
							-37.3		
				100			Vibracore		
-38.8	2.5						-38.8		
			SAND, poorly-graded with silt, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 2", little clay, wet, 5GY 5/1 greenish gray (SP-SM)	100	2		Vibracore		
							-39.3		
-43.3	7.0								
			SAND, silty, mostly subangular fine-grained sand-sized quartz, some angular to subangular shell up to 2", little clay, wet, 5GY 5/1 greenish gray (SM)						
				82			Vibracore		
			At El. -47.3 Ft., discontinue clay, 5Y 4/2 olive gray						
			At El. -48.8 Ft., trace wood debris						
-49.3	13.0								
		Slightly Weathered	LIMESTONE, fossiliferous, moderately hard, slightly weathered, fine grained, pitted, 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 = 498,970 Y = 948,964			ELEVATION TOP OF BORING -36.3 Ft.															
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE									
-52.0	15.7		At El. -51.3 Ft., 5Y 7/4 pale yellow	82			Vibracore											
-53.2	16.9		SAND, clayey, mostly subangular fine-grained sand-sized quartz, wet, 10GY 5/1 greenish gray (SC)															
-56.3	20.0																	
			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 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>2.5/3.0</td> <td>SP-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	2.5/3.0	SP-SM*						
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