

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-SCV09-37		LOCATION COORDINATES X = 493,751 Y = 940,266		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 2		DISTURBED 2		UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 06-16-09		STARTED 06-16-09		COMPLETED 06-16-09	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -47.3 Ft.		17. TOTAL RECOVERY FOR BORING 91 %			
8. TOTAL DEPTH OF BORING 12.0 Ft.				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
-47.3	0.0		SAND, poorly-graded, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1-1/2", wet, 5Y 6/2 light olive gray (SP)	100			-47.3		
-49.3	2.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 3/4", wet, 5Y 6/1 gray (SM)	100	1		-49.3		
			At El. -50.4 Ft., trace coral up to 3"	100			-49.8		
			At El. -51.3 Ft., little angular to subangular shell up to 3/8", trace coral up to 3/8", moderate cementation	100	2		-51.3		
				85			-51.8		
-57.6	10.3		LIMESTONE, sparsely fossiliferous, hard, slightly weathered, fine grained, solid, 5Y 6/1 gray						
-58.2	10.9								
-59.3	12.0						-59.3		
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.									

<b>DRILLING LOG (Cont. Sheet)</b>			<b>INSTALLATION</b> Jacksonville District			<b>SHEET 2</b> <b>OF 2 SHEETS</b>												
<b>PROJECT</b> VENICE BEACH BEACH SAND SEARCH			<b>COORDINATE SYSTEM/DATUM</b> State Plane, FLW (U.S. Ft.)		<b>HORIZONTAL</b> NAD83	<b>VERTICAL</b> NAVD88												
<b>LOCATION COORDINATES</b> X = 493,751 Y = 940,266			<b>ELEVATION TOP OF BORING</b> -47.3 Ft.															
<b>ELEV.</b>	<b>DEPTH</b>	<b>LEGEND</b>	<b>CLASSIFICATION OF MATERIALS</b>	<b>% REC.</b>	<b>BOX OR SAMPLE</b>	<b>ROD OR UD</b>	<b>REMARKS</b>	<b>BLOWS/ 1 FT.</b>	<b>N-VALUE</b>									
			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>2.0/2.5</td><td>SM*</td></tr><tr><td>2</td><td>4.0/4.5</td><td>SM*</td></tr></tbody></table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.0/2.5	SM*	2	4.0/4.5	SM*						
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