

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-SCV09-32		LOCATION COORDINATES X = 491,252 Y = 942,984		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 3	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		STARTED 06-16-09	COMPLETED 06-16-09			
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -42.3 Ft.		17. TOTAL RECOVERY FOR BORING 94 %				
8. TOTAL DEPTH OF BORING 11.4 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	
-42.3	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, some angular to subangular shell up to 1-1/2", wet, 5Y 4/1 dark gray (SP)	100	1		-42.3			
				100			-42.8	Vibracore		
				100	2		-43.8	Vibracore		
							-44.3	Vibracore		
-44.9	2.6			100				Vibracore		
			SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1/2", wet, 5Y 4/1 dark gray (SP-SM)	100			-45.8			
				100	3		-46.3	Vibracore		
				91				Vibracore		
-53.0	10.7	NR	At El. -49.0 Ft., little angular to subangular shell up to 2" At El. -49.8 Ft., moderate cementation							
-53.7	11.4						-53.7			
			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							

<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 = 491,252 Y = 942,984			<b>ELEVATION TOP OF BORING</b> -42.3 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>															
			Using A 3 5/8" Lexan Liner To Termination Depth Specified.  4. Non-ASTM Carbonate Analysis Performed At Depth 0.0-0.5 Ft. = 3.2% Lossage  5. 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>0.0/0.5</td><td>SP*</td></tr><tr><td>1B</td><td>/11.4</td><td>SP*</td></tr><tr><td>2</td><td>1.5/2.0</td><td>SP*</td></tr><tr><td>3</td><td>3.5/4.0</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	0.0/0.5	SP*	1B	/11.4	SP*	2	1.5/2.0	SP*	3	3.5/4.0	SP-SM*						
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