

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 2 SHEETS		
<b>1. PROJECT</b> VENICE BEACH BEACH SAND SEARCH Sarasota County, Florida				<b>9. SIZE AND TYPE OF BIT</b> See Remarks					
<b>2. BORING DESIGNATION</b> VB-SCV09-18		<b>LOCATION COORDINATES</b> X = 493,090 Y = 944,939		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLW (U.S. Ft.)		<b>HORIZONTAL</b> NAD83	<b>VERTICAL</b> NAVD88		
<b>3. DRILLING AGENCY</b> Challenge Engineering & Testing, Inc.		<b>CONTRACTOR FILE NO.</b> 2009D07		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Alpine 271 Vibracore Unit		<input type="checkbox"/> AUTO HAMMER <input checked="" type="checkbox"/> MANUAL HAMMER			
<b>4. NAME OF DRILLER</b> American Vibracore Services, Inc.				<b>12. TOTAL SAMPLES</b>		<b>DISTURBED</b> 3	<b>UNDISTURBED (UD)</b> 0		
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				<b>13. TOTAL NUMBER CORE BOXES</b> 1		<b>14. ELEVATION GROUND WATER</b> Tidal			
<b>6. THICKNESS OF OVERBURDEN</b> N/A				<b>15. DATE BORING</b>		<b>STARTED</b> 06-17-09	<b>COMPLETED</b> 06-17-09		
<b>7. DEPTH DRILLED INTO ROCK</b> N/A				<b>16. ELEVATION TOP OF BORING</b> -40.6 Ft.		<b>17. TOTAL RECOVERY FOR BORING</b> 86 %			
<b>8. TOTAL DEPTH OF BORING</b> 10.1 Ft.				<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> 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
-40.6	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 1/4", wet, 5Y 4/2 olive gray (SP)	100			-40.6		
	100			1		-41.1	Vibracore		
						-41.6	Vibracore		
				100			Vibracore		
				100	2		-43.1		
-44.1	3.5		SAND, poorly-graded with silt, mostly subangular fine to medium-grained sand-sized quartz, little angular to subangular shell up to 2", trace coral up to 2", wet, 5Y 7/1 light gray (SP-SM)	100			-43.6	Vibracore	
						-44.6	Vibracore		
				100	3		-45.1	Vibracore	
-46.6	6.0		SAND, silty, mostly subangular fine-grained sand-sized quartz, little angular to subangular shell up to 2", wet, 5Y 7/1 light gray (SM)	75			Vibracore		
-49.3	8.7		At El. -47.6 Ft., strong cementation, 5Y 7/2 light gray						
-50.7	10.1	NR					-50.7		
			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 Using A 3 5/8" Lexan Liner To Termination Depth Specified.						
			4. Non-ASTM Carbonate Analysis						

<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 = 493,090 Y = 944,939			<b>ELEVATION TOP OF BORING</b> -40.6 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
			Performed At Depth 0.5-1.0 Ft. = 5.0% 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>0.5/1.0</td><td>SP*</td></tr><tr><td>1B</td><td>/10.1</td><td>SP*</td></tr><tr><td>2</td><td>2.5/3.0</td><td>SP*</td></tr><tr><td>3</td><td>4.0/4.5</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*	1B	/10.1	SP*	2	2.5/3.0	SP*	3	4.0/4.5	SP-SM*						
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