

## Boring Designation VB-SCV09-25

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-SCV09-25		LOCATION COORDINATES X = 497,628 Y = 942,928		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 -42.5 Ft.		17. TOTAL RECOVERY FOR BORING 87 %			
8. TOTAL DEPTH OF BORING 8.7 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
-42.5	0.0		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, some angular to subangular shell up to 2", wet, 5Y 4/1 dark gray (SP)	100			-42.5		
				100	1		Vibracore		
				100			-43.5		
							-44.0		
				100			Vibracore		
-45.0	2.5		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, some angular to subangular shell up to 3/8", wet, 5Y 5/1 gray (SP-SM)	100	2		-45.0		
-45.8	3.3		SAND, silty, mostly subangular fine-grained sand-sized quartz, few angular to subangular shell up to 1", wet, 5Y 5/2 olive gray (SM)	100			-45.5		
				100	3		-46.0		
							-46.5		
-49.0	6.5		LIMESTONE, very hard, slightly weathered, fine grained, porous, 5Y 5/2 olive gray	77			Vibracore		
-50.1	7.6								
-51.2	8.7								
			BORING TERMINATED IN REFUSAL				-51.2		
			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 Performed At Depth 1.0-1.5 Ft. = 4.6% Lossage 5. Laboratory Testing Results						

<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 = 497,628 Y = 942,928			<b>ELEVATION TOP OF BORING</b> -42.5 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>
			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION					
			1	1.0/1.5	SP*					
			1B	/8.7	SP*					
			2	2.5/3.0	SP-SM*					
			3	3.5/4.0	SM*					
			*Lab visual classification based on gradation curve. No Atterberg limits.							

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