

Boring Designation VB-MCSP07-11

DRILLING LOG			DIVISION		INSTALLATION			SHEET 1	
			South Atlantic		Jacksonville District			OF 2 SHEETS	
1. PROJECT					9. SIZE AND TYPE OF BIT				
MARTIN COUNTY OFFSHORE INVESTIGATIONS					See Remarks				
Offshore Borrow Area					10. COORDINATE SYSTEM/DATUM		HORIZONTAL		VERTICAL
					State Plane, FLE (U.S. Ft.)		NAD83		MLLW
2. BORING DESIGNATION			LOCATION COORDINATES		11. MANUFACTURER'S DESIGNATION OF DRILL				
VB-MCSP07-11			X = 949,896 Y = 1,075,473		Alpine Vibracore Unit				
3. DRILLING AGENCY			CONTRACTOR FILE NO.		12. TOTAL SAMPLES		DISTURBED		UNDISTURBED (UD)
Challenge Engineering & Testing, Inc.			2007D32		4		0		
4. NAME OF DRILLER					13. TOTAL NUMBER CORE BOXES				
Alpine Ocean Seismic, Inc.					1				
5. DIRECTION OF BORING			DEG. FROM VERTICAL		14. ELEVATION GROUND WATER		Tidal		
<input checked="" type="checkbox"/> VERTICAL					15. DATE BORING		STARTED		COMPLETED
<input type="checkbox"/> INCLINED					08-10-07		08-10-07		
6. THICKNESS OF OVERBURDEN					16. ELEVATION TOP OF BORING				
N/A					-48.0 Ft.				
7. DEPTH DRILLED INTO ROCK					17. TOTAL RECOVERY FOR BORING				
N/A					99 %				
8. TOTAL DEPTH OF BORING					18. SIGNATURE AND TITLE OF INSPECTOR				
20.0 Ft.					Eric Guarino, Geologist				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-48.0	0.0						-48.0		
			SHELL, mostly angular shell up to 1/4", some subangular fine to medium-grained sand-sized quartz, trace angular fine to medium-grained sand-sized organic matter, weak reaction with HCl, moist, 10YR 7/2 light gray	990			Vibracore		
				NR	1		-50.0		
							-50.5		
				NR					
							-54.0		
				NR	2		-54.5		
				NR					
							-57.0		
				NR	3		-57.5		
				NR					
-58.5	10.5						-59.0		
			SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized carbonate, little angular shell up to 1/4", strong reaction with HCl, moist, 10YR 5/1 gray (SP)	NR	4		-59.5		
-61.5	13.5			NR					
			SAND, silty, mostly subangular fine to medium-grained sand-sized carbonate, little angular shell up to 1/4", strong reaction with HCl, moist, 10GY 6/1 greenish gray (SM)						

DRILLING LOG (Cont. Sheet)				INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																
PROJECT MARTIN COUNTY OFFSHORE INVESTIGATIONS				COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLLW																
LOCATION COORDINATES X = 949,896 Y = 1,075,473				ELEVATION TOP OF BORING -48.0 Ft.																			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT. N-VALUE															
-66.0	18.0			NR																			
-67.8 -68.0	19.8 20.0		SILT, inorganic-L, mostly subrounded fine-grained sand-sized silt, some angular shell up to 2", strong reaction with HCl, moist, 10YR 5/1 gray (ML)				-68.0																
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <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>SP*</td> </tr> <tr> <td>2</td> <td>6.0/6.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>9.0/9.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>11.0/11.5</td> <td>SP*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.0/2.5	SP*	2	6.0/6.5	SP*	3	9.0/9.5	SP*	4	11.0/11.5	SP*				<p>Abbreviations: NR = Not Recorded.</p>	
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																					
1	2.0/2.5	SP*																					
2	6.0/6.5	SP*																					
3	9.0/9.5	SP*																					
4	11.0/11.5	SP*																					

Penetration Graph for Core No. VB-MCSP07-11, Run 1

Date: 8/9/2007
Start Time: 1:26:22 PM
End Time: 1:30:06 PM

Penetration: 19.79
Recovery: 20
W. D. Corrected: 48
W. D. Raw: 48.5

Easting: 949896
Northing: 1075473
Coord. System: FL East

Lat: 27d 17.3657' N
Long: 80d 5.7324' W
Datum: NAD-83

Comment:

