

Boring Designation VB-MCSP07-3

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT MARTIN COUNTY OFFSHORE INVESTIGATIONS Offshore Borrow Area				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION VB-MCSP07-3		LOCATION COORDINATES X = 948,523 Y = 1,071,788		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83			
3. DRILLING AGENCY Challenge Engineering & Testing, Inc.		CONTRACTOR FILE NO. 2007D32		11. MANUFACTURER'S DESIGNATION OF DRILL Alpine Vibracore Unit		<input checked="" type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER Alpine Ocean Seismic, Inc.				12. TOTAL SAMPLES 4		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 08-09-07		COMPLETED 08-09-07			
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -46.5 Ft.		17. TOTAL RECOVERY FOR BORING 95 %			
8. TOTAL DEPTH OF BORING 20.0 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR Eric Guarino, Geologist					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-46.5	0.0						-46.5		
			SHELL, mostly angular shell up to 1/4", some subangular fine to medium-grained sand-sized carbonate, trace angular fine to medium-grained sand-sized organic matter, strong reaction with HCl, moist, 10YR 7/2 light gray	633			Vibracore		
				NR	1		-49.5		
							-50.0		
				NR					
							-52.5		
				NR	2		-53.0		
				NR			-55.5		
				NR	3		-56.0		
				NR			-58.5		
				NR	4		-59.0		
-59.4	12.9								
-60.6	14.1		SAND, silty, mostly subangular fine to medium-grained sand-sized carbonate, some angular shell up to 1/4", strong reaction with HCl, moist, 10YR 5/1 gray (SM)	NR					
-61.5	15.0		SILT, inorganic-L, mostly rounded fine-grained sand-sized silt, some angular						

DRILLING LOG (Cont. Sheet)			INSTALLATION			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 = 948,523 Y = 1,071,788			ELEVATION TOP OF BORING -46.5 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-65.5	19.0	NR	shell up to 1/4", strong reaction with HCl, moist, 10YR 5/1 gray (ML) SHELL, mostly angular fine gravel-sized shell up to 2", some rounded fine-grained sand-sized silt, few clay, strong reaction with HCl, moist, 10YR 6/1 gray	NR																				
-66.5	20.0	NR					-66.5																	
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. 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>3.0/3.5</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>12.0/12.5</td> <td>SP*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits.	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	3.0/3.5	SP*	2	6.0/6.5	SP*	3	9.0/9.5	SP*	4	12.0/12.5	SP*				Abbreviations: NR = Not Recorded.		
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																						
1	3.0/3.5	SP*																						
2	6.0/6.5	SP*																						
3	9.0/9.5	SP*																						
4	12.0/12.5	SP*																						

Penetration Graph for Core No. VB-MCSP07-3, Run 1

Date: 8/9/2007
Start Time: 2:50:30 PM
End Time: 2:53:26 PM

Penetration: 19.54 ft
Recovery: 19
W. D. Corrected: 46.5
W. D. Raw: 47.9

Easting: 948523
Northing: 1071788
Coord. System: FL East

Lat: 27d 16.7650' N
Long: 80d 5.9931' W
Datum: NAD-83

Comment:

