

# Boring Designation BI-PBS-086-12

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Mobile District		SHEET 1 OF 1 SHEETS	
1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass-OCS East				9. SIZE AND TYPE OF BIT N/A			
2. BORING DESIGNATION BI-PBS-086-12		LOCATION COORDINATES E = 1,138,944 N = 231,129		10. COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.)		HORIZONTAL NAD83	
3. DRILLING AGENCY Corps of Engineers - CESAM		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
4. NAME OF DRILLER American Vibracore Systems, Inc.				12. TOTAL SAMPLES		DISTURBED 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES		14. WATER DEPTH 54.7 Ft.	
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 12-18-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -54.7 Ft.		COMPLETED 12-18-12	
8. TOTAL DEPTH OF BORING 17.8 Ft.				17. TOTAL RECOVERY FOR BORING 100%		18. SIGNATURE AND TITLE OF INSPECTOR Mike FitzHarris, Geologist	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	SAMPLE	LABORATORY RESULTS		
-54.7	0.0						
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace fines, trace shell fragments, gray (SP)	A	Classification: SP Color: 5Y 6/2-light olive gray D50: 0.204 mm % Fines: 3.1		
-58.3	3.6						
			SAND, silty, mostly fine-grained sand-sized quartz, some silt, little shell fragments, trace clay, gray (SM)	B	Classification: SM Color: 5Y 5/2-olive gray D50: 0.1926 mm % Fines: 13.2		
-60.6	5.9						
			CLAY, lean, mostly clay, some silt, few fine-grained sand-sized quartz, trace shell fragments, gray with some orange mottle (CL)				
-62.5	7.8						
			CLAY, fat, mostly clay, few silt, trace fine-grained sand-sized quartz, low to medium plasticity, gray, orange mottle (CH)				
-63.7	9.0						
			SAND, silty, mostly fine-grained sand-sized quartz, some silt, gray (SM)				
-64.5	9.8						
			CLAY, lean, mostly clay, some silt, little fine-grained sand-sized quartz, stiff, gray (CL)	NS			
-66.0	11.3						
			CLAY, fat, mostly clay, trace wood debris, trace shell fragments, stiff, medium to high plasticity, trace fine-grained sandy pockets, gray (CH)				
-72.5	17.8						
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. NS = Sample not submitted for laboratory analysis from this interval. 3. Seafloor elevation determined from USACE hydrographic survey completed April 2014.				