

# Boring Designation BI-PBS-045-12

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-045-12		LOCATION COORDINATES E = 1,135,509 N = 224,211		10. COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.)		HORIZONTAL NAD83 VERTICAL NAVD88	
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 UNDISTURBED (UD) 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		13. TOTAL NUMBER CORE BOXES			
		BEARING		14. WATER DEPTH 60.5 Ft.			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 12-01-12		STARTED COMPLETED 12-01-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -60.3 Ft.			
8. TOTAL DEPTH OF BORING 17.2 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		
-60.3	0.0						
-63.1	2.8		SAND, poorly-graded, mostly medium-grained sand-sized quartz, little shell fragments, trace silt, lt. gray (SP)	A	Classification: SP Color: 2.5Y 7/1-light gray D50: 0.4972 mm % Fines: 1.4		
-65.3	5.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace shell fragments, gray (SP)	B	Classification: SP Color: 2.5Y 6/2-light brownish gray D50: 0.2152 mm % Fines: 3.4		
-68.9	8.6		SAND, silty, mostly fine-grained sand-sized quartz, some silt, some organic matter, organic staining, brown (SM)	NS			
-69.4	9.1						
-74.3	14.0		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, 2-3 inch bands of lean clay and clayey sand, gray (SC) At El. -70.3 Ft., mostly fine-grained sand-sized quartz, some clay, some shells throughout, shelly layer between 13.1 and 13.5 ft., gray	NS			
-77.5	17.2						
			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 calculated using sampling vessel's fathometer water depth reading and applying NOAA tidal gauge data conversion factor.				