

Boring Designation BI-PBS-046-12

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Mobile District		SHEET 1 OF 2 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-046-12		LOCATION COORDINATES E = 1,134,958 N = 223,463		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 60.9 Ft.	
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 12-01-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -60.6 Ft.		COMPLETED 12-01-12	
8. TOTAL DEPTH OF BORING 20.0 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
-60.6	0.0				
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell fragments, gray (SP)	A	Classification: SP Color: 2.5Y 7/2-light gray D50: 0.261 mm % Fines: 2.3
-65.1	4.5				
-66.1	5.5		CLAY, lean, mostly clay, little fine-grained sand-sized quartz, medium plasticity, gray mottled with orange (CL)	NS	
-67.0	6.4				
			SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, gray mottled with orange (SC)	B	Classification: SP-SM Color: 2.5Y 7/2-light gray D50: 0.2571 mm % Fines: 7.8
-69.3	8.7				
-70.6	10.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, lt. gray (SP)	C	Classification: SP-SM Color: 2.5Y 6/2-light brownish gray D50: 0.2363 mm % Fines: 6.4
-72.0	11.4		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace wood debris, gray (SP-SM)	D	Classification: SP-SM Color: 2.5Y 5/2-grayish brown D50: 0.2177 mm % Fines: 7
			SAND, silty, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, dark gray (SM)	E	Classification: SP-SM Color: 2.5Y 6/2-light brownish gray D50: 0.1909 mm % Fines: 6.3
-74.9	14.3				
-75.3	14.7		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace shell fragments, gray (SP-SM)	NS	
-75.9	15.3				
-77.3	16.7		SHELL, mostly shell fragments, trace clay, dark gray		
			CLAY, lean, mostly clay, little fine-grained sand-sized quartz, medium plasticity, dark gray (CL)	F	Classification: SP-SM Color: 2.5Y 7/2-light gray D50: 0.2466 mm % Fines: 6.7
-80.6	20.0		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, little shell fragments, dark gray (SC)		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace shell fragments, gray (SP-SM)		
NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System.					

DRILLING LOG (Cont. Sheet)			INSTALLATION Mobile District		SHEET 2 OF 2 SHEETS
PROJECT MsCIP Barrier Island Restoration			COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.)	HORIZONTAL NAD83	VERTICAL NAVD88
LOCATION COORDINATES X = 1,134,958 Y = 223,463			ELEVATION TOP OF BORING -60.6 Ft.		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	SAMPLE	LABORATORY RESULTS
			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.		