

Boring Designation BI-PB-209-12

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Mobile District		SHEET 1 OF 1 SHEETS	
1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass- AL East				9. SIZE AND TYPE OF BIT N/A			
2. BORING DESIGNATION BI-PB-209-12		LOCATION COORDINATES E = 1,144,027 N = 254,016		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 32.6 Ft.			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 12-07-12		COMPLETED 12-07-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -31.6 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
-31.6	0.0				
-33.4	1.8		SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace shell fragments, lt. gray to pale lt. brown (SP)	A	Classification: SP Color: 5Y 7/2-light gray D50: 0.3221 mm % Fines: 1.3
-33.9	2.3			NS	
-35.1	3.5		CLAY, lean, mostly clay, some fine-grained sand-sized sand, low to medium plasticity, grayish brown (CL)	B	Classification: SP-SM Color: 2.5Y 5/3-light olive brown D50: 0.2077 mm % Fines: 9.1
-35.7	4.1			NS	
-37.0	5.4		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, gray (SC)	C	Classification: SP-SM Color: 5Y 5/3-olive D50: 0.3033 mm % Fines: 11.2
			CLAY, fat, mostly clay, trace fine-grained sand-sized quartz, gray (CH)	D	Classification: SP Color: 2.5Y 6/2-light brownish gray D50: 0.3191 mm % Fines: 3.4
			SAND, clayey, mostly fine-grained sand-sized quartz, some clay, gray (SC)		
			At El. -36.4 Ft., mostly fine-grained sand-sized quartz, little clay, gray	E	Classification: SP Color: 5Y 5/3-olive D50: 0.2832 mm % Fines: 4.4
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, gray (SP)		
-43.8	12.2		At El. -38.8 Ft., mostly fine-grained sand-sized quartz, trace silt, gray		
			SAND, silty, mostly fine-grained sand-sized quartz, trace shell fragments, gray (SM)	F	Classification: SP-SM Color: 5Y 5/3-olive D50: 0.217 mm % Fines: 9.8
-48.8	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.	NS	