

Boring Designation BI-PB-175-12

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-175-12		LOCATION COORDINATES E = 1,151,225 N = 257,886		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 30.1 Ft.	
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 12-05-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -29.7 Ft.		COMPLETED 12-05-12	
8. TOTAL DEPTH OF BORING 15.8 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		
-29.7	0.0						
-30.0	0.3						
-30.7	1.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell fragments, pale brown (SP)	NS			
			SAND, silty, mostly fine-grained sand-sized quartz, some silt, gray (SM)				
-33.9	4.2		CLAY, fat, mostly clay, trace wood debris, medium to high plasticity, trace fine grain sandy pockets, gray (CH)	A	Classification: SM Color: 2.5Y 6/2-light brownish gray D50: 0.3147 mm % Fines: 12.1		
-35.5	5.8		SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace clay, gray (SP-SM)	B	Classification: SP-SM Color: 2.5Y 7/1-light gray D50: 0.3027 mm % Fines: 5.7		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay, trace clay lenses, lt. gray (SP) At El. -38.0 Ft., mostly fine to medium-grained sand-sized quartz, trace silt, dense, lt. gray to white	C	Classification: SP Color: 2.5Y 7/2-light gray D50: 0.3228 mm % Fines: 2.7		
			At El. -41.0 Ft., mostly fine to medium-grained sand-sized quartz, trace silt, trace clay, dense, clay band at 15.7 ft., lt. gray	D	Classification: SP Color: 2.5Y 8/1-white D50: 0.3078 mm % Fines: 3.8		
-45.5	15.8			NS			
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. Buoy approximately 150 m SE of boring location.							
4. Seafloor elevation calculated using sampling vessel's fathometer water depth reading and applying NOAA tidal gauge data conversion factor.							