

# Boring Designation BI-PB-172-12

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-172-12		LOCATION COORDINATES E = 1,150,328 N = 257,845		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 -29.8 Ft.		COMPLETED 12-05-12	
8. TOTAL DEPTH OF BORING 10.9 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
-29.8	0.0				
-30.3	0.5			A	Classification: SP Color: 2.5Y 7/2-light gray D50: 0.351 mm % Fines: 0.3
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell fragments, pale brown (SP)	NS	
-32.9	3.1			B	Classification: SC Color: 2.5Y 5.5/2-brownish gray D50: 0.2973 mm % Fines: 19.9
-33.4	3.6		CLAY, lean, mostly clay, few fine-grained sand-sized quartz, medium plasticity, SP layer at 1.2 ft., gets sandier near 3.1 ft., gray mottled with brownish gray (CL)	C	Classification: SP Color: 2.5Y 6/2-light brownish gray D50: 0.2958 mm % Fines: 2.9
-35.0	5.2		SAND, poorly-graded with clay, mostly fine-grained sand-sized quartz, few clay, trace wood debris, clay band at 3.3 ft., gray (SP-SC)		
			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 7/1-light gray D50: 0.2886 mm % Fines: 7.1
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, very dense, lt. gray (SP)		
-40.7	10.9			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. Sand was very dense. Stopped vibracore machine after 5 minutes due to lack of penetration. 4. Seafloor elevation calculated using sampling vessel's fathometer water depth reading and applying NOAA tidal gauge data conversion factor.					