

Boring Designation BI-PB-171-12

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Mobile District		SHEET 1 OF 2 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-171-12		LOCATION COORDINATES E = 1,152,204 N = 257,974		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 31.6 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		COMPLETED 12-05-12	
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		
-31.1	0.0						
-32.8	1.7		CLAY, lean, mostly clay, trace fine-grained sand-sized quartz, trace silt, moderately stiff, low to medium plasticity, greenish gray (CL)	NS			
-33.8	2.7		SAND, poorly-graded with clay, mostly fine-grained sand-sized quartz, some clay, few silt, gray (SP-SC)	A	Classification: SM Color: 2.5Y 5.5/2-brownish gray D50: 0.3161 mm % Fines: 14.8		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace clay, clayey lense at 4.7 ft., gray (SP)	B	Classification: SP-SM Color: 2.5Y 6/1-gray D50: 0.3062 mm % Fines: 9.2		
			At El. -36.1 Ft., mostly fine to medium-grained sand-sized quartz, trace silt, gray	C	Classification: SP-SM Color: 2.5Y 6/2-light brownish gray D50: 0.3267 mm % Fines: 8.2		
-41.1	10.0						
-45.3	14.2		CLAY, lean, mostly clay, some fine-grained sand-sized quartz, low to medium plasticity, gray (CL)	NS			
-47.4	16.3		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, clayey pocket at 15.6 ft., lt. gray (SP)	D	Classification: SP-SM Color: 2.5Y 7.5/2- D50: 0.3833 mm % Fines: 10.8		
-48.1	17.0		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, gray (SP-SM)	NS			
-50.6	19.5		SAND, silty, mostly fine-grained sand-sized quartz, some silt, some wood debris, little organic matter, brownish gray (SM)				
-51.1	20.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, lt. gray (SP)				
NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. NS = Sample not submitted for laboratory							

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 = 1,152,204 Y = 257,974			ELEVATION TOP OF BORING -31.1 Ft.		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	SAMPLE	LABORATORY RESULTS
			<p>analysis from this interval.</p> <p>3. Seafloor elevation calculated using sampling vessel's fathometer water depth reading and applying NOAA tidal gauge data conversion factor.</p>		