

Boring Designation BI-PB-164-12

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-164-12		LOCATION COORDINATES E = 1,154,851 N = 256,670		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)	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES		0	
6. THICKNESS OF OVERBURDEN N/A				14. WATER DEPTH 34 Ft.		15. DATE BORING	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -32.4 Ft.		STARTED 12-06-12 COMPLETED 12-06-12	
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		
-32.4	0.0						
-35.0	2.6		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell fragments, pale lt. brown to gray (SP)	A	Classification: SP Color: 5Y 6/2-light olive gray D50: 0.3369 mm % Fines: 2		
-37.4	5.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace shell fragments, lt. gray (SP)	B	Classification: SP Color: 2.5Y 7/2-light gray D50: 0.3388 mm % Fines: 4.2		
-41.1	8.7		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay stringers, lt. gray to white (SP)	C	Classification: SP Color: 5Y 7/2-light gray D50: 0.3269 mm % Fines: 3		
-42.4	10.0		SAND, poorly-graded with clay, mostly fine-grained sand-sized quartz, few clay, clay content increases with depth, lt. gray to gray (SP-SC)	D	Classification: SP-SM Color: 2.5Y 6/2-light brownish gray D50: 0.3079 mm % Fines: 5.6		
-48.5	16.1		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, some silt, few shell fragments, gray (SC)	NS			
-49.4	17.0		CLAY, lean, mostly clay, some fine-grained sand-sized quartz, trace shell fragments, sandy clay, gray (CL)				
-50.7	18.3		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, clayey sand, gray (SC)				
-52.4	20.0		CLAY, lean, mostly clay, some fine-grained sand-sized, trace shell fragments, sandy clay, gray (CL)				
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 = 1,154,851 Y = 256,670			ELEVATION TOP OF BORING -32.4 Ft.		
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	SAMPLE	LABORATORY RESULTS
			2. NS = Sample not submitted for laboratory analysis from this interval. 3. Seafloor elevation determined from 2010 USACE survey.		