

# Boring Designation BI-PB-190-12

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-190-12		LOCATION COORDINATES E = 1,142,619 N = 253,730		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 34.5 Ft.	
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 12-11-12	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -34.7 Ft.		COMPLETED 12-11-12	
8. TOTAL DEPTH OF BORING 18.2 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		
-34.7	0.0						
-36.1	1.4		CLAY, lean, mostly clay, some fine-grained sand-sized quartz, gray (CL)	NS			
-37.9	3.2		SAND, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, trace clay stringers, gray (SM)	A	Classification: SP-SM Color: 5Y 6/2-light olive gray D50: 0.2746 mm % Fines: 7.7		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace clay, trace clay stringers, dense, lt. gray (SP)	B	Classification: SP Color: 5Y 8/1-white D50: 0.3087 mm % Fines: 2.3		
-45.0	10.3			C	Classification: SP Color: 2.5Y 8/1-white D50: 0.2838 mm % Fines: 2.7		
			CLAY, fat, mostly clay, trace fine-grained sand-sized sand, trace shell fragments, medium to high plasticity, greenish gray (CH)	NS			
-52.4	17.7						
-52.9	18.2		SAND, clayey, mostly fine-grained sand-sized quartz, some clay, trace shell fragments, greenish gray (SC)				
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							

<b>DRILLING LOG (Cont. Sheet)</b>			<b>INSTALLATION</b> Mobile District		<b>SHEET 2</b> <b>OF 2 SHEETS</b>
<b>PROJECT</b> MsCIP Barrier Island Restoration			<b>COORDINATE SYSTEM/DATUM</b> State Plane, MSE (U.S. Ft.)	<b>HORIZONTAL</b> NAD83	<b>VERTICAL</b> NAVD88
<b>LOCATION COORDINATES</b> X = 1,142,619 Y = 253,730			<b>ELEVATION TOP OF BORING</b> -34.7 Ft.		
<b>ELEV.</b>	<b>DEPTH</b>	<b>LEGEND</b>	<b>CLASSIFICATION OF MATERIALS</b>	<b>SAMPLE</b>	<b>LABORATORY RESULTS</b>
			applying NOAA tidal gauge data conversion factor.		