

# Boring Designation BI-PBS-012-12

<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Mobile District	<b>SHEET 1</b> <b>OF 2 SHEETS</b>
<b>1. PROJECT</b> MsCIP Barrier Island Restoration Petit Bois Pass-OCS East			<b>9. SIZE AND TYPE OF BIT</b> N/A	
<b>2. BORING DESIGNATION</b> BI-PBS-012-12		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, MSE (U.S. Ft.)		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Vibracore
<b>3. DRILLING AGENCY</b> Corps of Engineers - CESAM		<b>12. TOTAL SAMPLES</b>		<b>13. TOTAL NUMBER CORE BOXES</b>
<b>4. NAME OF DRILLER</b> American Vibracore Systems, Inc.		<b>14. WATER DEPTH</b> 48.7 Ft.		<b>15. DATE BORING</b> 11-23-12
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		<b>16. ELEVATION TOP OF BORING</b> -49.2 Ft.		<b>17. TOTAL RECOVERY FOR BORING</b> 100%
<b>6. THICKNESS OF OVERBURDEN</b> N/A		<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> John Bass, Geotechnical Engineer		
<b>7. DEPTH DRILLED INTO ROCK</b> N/A				
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.				

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	SAMPLE	LABORATORY RESULTS
-49.2	0.0				
			SAND, poorly-graded, mostly fine to medium-grained quartz, little shell fragments, trace fines, sand and shell debris layer at 3.0-3.8 ft, lt. gray (SP)	A	Classification: SP Color: 5Y 6/2-light olive gray D50: 0.27 mm % Fines: 1.9
-54.2	5.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fines, trace shell fragments, lt. gray (SP)	B	Classification: SP Color: 5Y 6/2-light olive gray D50: 0.23 mm % Fines: 2.8
-58.0	8.8		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fines, lt. gray (SP)	C	Classification: SP-SM Color: 5Y 5/2-olive gray D50: 0.21 mm % Fines: 9.9
-59.2	10.0				
			SAND, silty, mostly fine-grained sand-sized quartz, with clay lenses, gray (SM)	NS	
-62.7	13.5				
			CLAY, silty, mostly clay, trace fine-grained sand-sized quartz, lt. gray mottled with orange (CL-ML)		
-68.0	18.8				
-69.2	20.0		SAND, silty, mostly fine-grained sand-sized quartz, trace wood debris, gray (SM)		
			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 determined from USACE		

<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 = 1,137,391 Y = 232,075			<b>ELEVATION TOP OF BORING</b> -49.2 Ft.		
<b>ELEV.</b>	<b>DEPTH</b>	<b>LEGEND</b>	<b>CLASSIFICATION OF MATERIALS</b>	<b>SAMPLE</b>	<b>LABORATORY RESULTS</b>
			hydrographic survey completed April 2014.		