

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> Charlotte Co			<b>9. SIZE AND TYPE OF BIT</b> 4.0 In.	
<b>2. BORING DESIGNATION</b> CH-12-VC-13			<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane West	
<b>LOCATION COORDINATES</b> X = 526,272 Y = 904,150.8			<b>HORIZONTAL</b> NAD 1983 <b>VERTICAL</b> NAVD 88	
<b>3. DRILLING AGENCY</b> American Vibracore Services			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER Electric Vibracore <input type="checkbox"/> MANUAL HAMMER	
<b>CONTRACTOR FILE NO.</b>			<b>12. TOTAL SAMPLES</b> <b>DISTURBED</b> <b>UNDISTURBED (UD)</b>	
<b>4. NAME OF DRILLER</b> American Vibracore			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>14. ELEVATION GROUND WATER</b>	
<b>DEG. FROM VERTICAL</b> <b>BEARING</b>			<b>15. DATE BORING</b> <b>STARTED</b> <b>COMPLETED</b> 01-16-13 01-16-13	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -32.3 Ft.	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>17. TOTAL RECOVERY FOR BORING</b> 17.7 Ft.	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b>	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-32.3	0.0					
-33.5	1.2		Fine grained quartz sand with few fine to medium grained shell fragments. Abrupt contact, light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 0.5' - 0.8' Mean (mm): 0.40, Phi Sorting: 1.02 Fines (230): 0.04% (SW)
-34.0	1.7		Shell hash, some blackened. Some fine grained quartz sand. Abrupt contact, gray (5Y-6/1), (SW).		2	Sample #2, Depth = 1.3' - 1.5' Mean (mm): 0.59, Phi Sorting: 1.47 Fines (230): 0.16% (SW)
			Fine grained quartz sand with some fine to medium grained shell fragments, some blackened. Abrupt contact, light gray (5Y-7/1), (SP).		3	Sample #3, Depth = 4.5' - 4.8' Mean (mm): 0.26, Phi Sorting: 0.84 Fines (230): 0.14% (SP)
-37.8	5.5					
-38.3	6.0		Fine grained quartz sand with abundant blackened medium to coarse grained shell fragments and some gravel-sized shell. Gradational contact, gray (5Y-6/1), (SW).		4	Sample #4, Depth = 6.5' - 6.8' Mean (mm): 0.25, Phi Sorting: 1.10 Fines (230): 0.39% (SW)
-39.8	7.5		Fine grained quartz sand with few medium grained shell fragments. Some fragments are blackened. Silt lamina from 4.5'-4.7'. Gradational contact, light gray (5Y-7/1), (SW).		5	Sample #5, Depth = 8.5' - 8.8' Mean (mm): 0.19, Phi Sorting: 1.01 Fines (230): 6.32%
			Fine grained quartz sand with some silt. Gradational contact, light olive gray (5Y-6/2), (SW-SM).			
-43.2	10.9					
			Fine grained quartz sand with abundant silt and coarse grained shell fragments. Some gravel-sized shells. Increasing shell content with depth. Gradational contact, light olive gray (5Y-6/2), (SM W/ GRAVEL).			
-46.0	13.7					
-46.5	14.2		Limestone marl in matrix of silt and abundant coarse shell fragments. Cobble sized limestone and bivalve fragments. Gradational contact, gray (5Y-6/1), (LS).			
-47.0	14.7					
-48.0	15.7		Fine grained quartz sand with abundant white silt and medium to coarse grained white shell hash. Bivalve cobble to 2.5". Gradational contact, white (5Y-8/1), (SM W/ GRAVEL).			
-49.5	17.2		Limestone cobbles in silt and shell hash matrix, gray (5Y-6/1), (LS).			
-50.0	17.7					
			Fine grained quartz sand with abundant silt. Some coarse shell fragments. Decreasing shell content with depth. Bivalve cobble (3.5") at 15.5', light gray (5Y-7/1), (SM W/ GRAVEL).			
			Fine grained quartz sand with some silt. Iron staining, pale yellow (5Y 7/4) to, (5Y-6/5), (SM).			
			End of Boring			

FLORIDA DEP ROSS 2013-2-19 CHARLOTTE.GPJ FL DEP ROSS GDT 3/8/13