

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> St. Lucie Vibracores St. Lucie County, FL			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> SLVC-06-29			<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane East	
<b>3. DRILLING AGENCY</b> America Vibracoring Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER Pneumatic Vibracore <input type="checkbox"/> MANUAL HAMMER	
<b>4. NAME OF DRILLER</b> Fred Kaub, P.G.			<b>12. TOTAL SAMPLES</b> <b>DISTURBED</b> <b>UNDISTURBED (UD)</b>	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>14. ELEVATION GROUND WATER</b>	
<b>7. DEPTH DRILLED INTO ROCK</b> 1.3 Ft.			<b>15. DATE BORING</b> <b>STARTED</b> 05-22-06 13:34 <b>COMPLETED</b> 05-22-06 13:39	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -33.0 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 18.5 Ft.	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> ML	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-33.0	0.0					
-34.2	1.2		Sandy SHELL HASH, trace shell fragments, trace silt, shell fragments up to 0.5", dark gray (2.5Y-4/1), (SW).		1	Sample #1, Depth = 0.7' Mean (mm): 0.45, Phi Sorting: 1.12 Fines (230): 1.76% (SW)
-34.7	1.7		SHELL HASH, some sand, fine grained, quartz, little shell fragments, trace silt, shell fragments up to (1.0"x1.0"), gray (2.5Y-5/1), (SW).		2	Sample #2, Depth = 1.5' Mean (mm): 0.70, Phi Sorting: 1.63 Fines (230): 3.04% (SW)
-37.7	4.7		Sandy SHELL HASH, trace shell fragments, trace silt, shell fragments up to (0.5"x1.0"); shell hash decreases with depth, dark gray (2.5Y-4/1), (SW).		3	Sample #3, Depth = 4.0' Mean (mm): 0.41, Phi Sorting: 0.94 Fines (230): 1.87% (SW)
-40.5	7.5		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell fragments less than 0.5"; 0.5" silty pocket @ 6.2'; 2.0" shell hash layer @ 7.1', dark gray (2.5Y-4/1), (SW-SM).		4	Sample #4, Depth = 6.0' Mean (mm): 0.26, Phi Sorting: 1.05 Fines (230): 4.04% (SW-SM)
-42.0	9.0		SAND, fine grained, little shell hash, trace shell fragments, trace silt, shell fragments up to (0.5"x1.0"), dark gray (2.5Y-4/1), (SW).		5	Sample #5, Depth = 8.0' Mean (mm): 0.29, Phi Sorting: 0.96 Fines (230): 2.91% (SW)
-43.4	10.4		Silty SAND, little clay, trace shell fragments, trace shell hash, (2.0") shelly layer @ 9.6'; 2.0" clayey layer @ 10.1', greenish gray (10Y-5/1), (SM-SC).		6	Sample #6, Depth = 10.0' Mean (mm): 0.21, Phi Sorting: 1.22 Fines (230): 12.84% (SM-SC)
-44.3	11.3		SHELL HASH, some clay, little sand, fine grained, quartz, (2.0") gray (10Y 4/1) clay layer @ 11.0', dark gray (2.5Y-4/1), (GC).			
-44.8	11.8		CLAY, dark gray (2.5Y-4/1), (CL).			
-50.2	17.2		SHELL FRAGMENTS, little clay, trace sand, fine grained, quartz, shell fragments up to (2.0"x2.0"), greenish gray (10Y-6/1), (GC).			
-51.5	18.5		Clayey SAND, little rock fragments, rock fragments up to (3.0"x3.0"), gray (5Y-6/1), (GC).			
-53.0	20.0		No Recovery.			
			End of Boring			

FLORIDA DEP ROSS ST LUCIE VC.GPJ FL DEP ROSS.GDT 6/29/06