

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> Longboat Key 2010 Sand Search Manatee/Sarasota Counties			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> LBVC-10-46			<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane West	
<b>LOCATION COORDINATES</b> X = 409,455 Y = 1,162,723			<b>HORIZONTAL</b> NAD 1983 <b>VERTICAL</b> NAVD 88	
<b>3. DRILLING AGENCY</b>			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> <input type="checkbox"/> AUTO HAMMER Electric <input type="checkbox"/> MANUAL HAMMER	
<b>CONTRACTOR FILE NO.</b>			<b>12. TOTAL SAMPLES</b>	
<b>4. NAME OF DRILLER</b> Athena			<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>15. DATE BORING</b>	
<b>BEARING</b>			<b>STARTED</b> 09-02-10 11:36 <b>COMPLETED</b> 09-02-10 11:38	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -13.4 Ft.	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>17. TOTAL RECOVERY FOR BORING</b> 18.8 Ft.	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> BF	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-13.4	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-15.4	2.0		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, trace whole shell, shell fragments and whole shells up to 1.0", light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 1.0' Mean (mm): 0.28, Phi Sorting: 1.58 Shell Hash: 4%, Fines (230): 1.17% (SW)
-16.2	2.8		SHELL, little sand, trace rock fragments, trace silt, shell component is shell fragments and whole shells up to 1.0", rock fragments up to 0.5", gray (5Y-6/1), (SW).		2	Sample #2, Depth = 2.5' Mean (mm): 0.97, Phi Sorting: 2.07 Shell Hash: 12%, Fines (230): 0.81% (SW)
-17.0	3.6				3	Sample #3, Depth = 3.2'
-18.1	4.7		SAND, fine grained, quartz, trace shell hash, trace silt, 0.5" shell fragment @ 3.0', light gray (5Y-7/1), (SW).		4	Mean (mm): 0.19, Phi Sorting: 0.98 Shell Hash: 1%, Fines (230): 1.20% (SW)
			Shelly SAND, fine grained, quartz, trace silt, shell component is shell hash, whole shells and shell fragments up to 1.0", gray (5Y-6/1), (SW).		2	Sample #4, Depth = 4.2' Mean (mm): 0.58, Phi Sorting: 1.93 Shell Hash: 4%, Fines (230): 0.76% (SW)
-21.7	8.3		SHELL, trace sand, trace silt, shell component is shell hash, shell fragments and whole shells typically up to 1.0", (1.5"x1.0") shell fragment @ 5.7", (2.0"x1.0") rock fragments @ 7.4' & 8.0', sand distributed in pockets, gray (5Y-6/1), (SW).		5	Sample #5, Depth = 9.4' Mean (mm): 0.14, Phi Sorting: 0.37 Shell Hash: 0%, Fines (230): 2.91% (SP)
-23.7	10.3		SAND, fine grained, quartz, trace clay, trace shell hash, trace silt, clay in pockets up to 0.5", light olive gray (5Y-6/2), (SP).		6	Sample #6, Depth = 10.8' Mean (mm): 0.17, Phi Sorting: 1.08 Shell Hash: 1%, Fines (230): 3.90% (SW)
-24.8	11.4		SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, trace whole shell, whole shells up to 1.0", 2 (2.0") shell fragments @ 10.7', gray (5Y-6/1), (SW).		7	Sample #7, Depth = 13.2' Mean (mm): 0.37, Phi Sorting: 1.78 Shell Hash: 2%, Fines (230): 3.57% (SW)
-28.2	14.8		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, trace whole shell, whole shells typically up to 1.0", 2.0" whole shell @ 11.9', shell fragments up to 1.5", gray (5Y-5/1), (SW).			
-30.6	17.2		ROCK, some shell hash, little sand, trace silt, rock fragments up to 3.0", gray (5Y-6/1), (GW).			
-32.2	18.8		CLAY, some shell hash, little shell fragments, little whole shell, trace sand, shell fragments and whole shells up to 1.0", olive gray (5Y-5/2), (GC).			
-33.4	20.0		No Recovery.			
			End of Boring			

FLORIDA DEP ROSS LBVC-10.GPJ FL DEP ROSS.GDT 11/18/10