

DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT Longboat Key 2010 Sand Search Manatee/Sarasota Counties			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION LBVC-10-46			10. COORDINATE SYSTEM/DATUM Florida State Plane West	
LOCATION COORDINATES X = 409,455 Y = 1,162,723			HORIZONTAL NAD 1983 VERTICAL NAVD 88	
3. DRILLING AGENCY			11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER Electric <input type="checkbox"/> MANUAL HAMMER	
CONTRACTOR FILE NO.			12. TOTAL SAMPLES	
4. NAME OF DRILLER Athena			13. TOTAL NUMBER CORE BOXES	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			14. ELEVATION GROUND WATER	
DEG. FROM VERTICAL			15. DATE BORING	
BEARING			STARTED 09-02-10 11:36 COMPLETED 09-02-10 11:38	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			16. ELEVATION TOP OF BORING -13.4 Ft.	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			17. TOTAL RECOVERY FOR BORING 18.8 Ft.	
8. TOTAL DEPTH OF BORING 20.0 Ft.			18. SIGNATURE AND TITLE OF INSPECTOR 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