

Boring Designation NPVC-14-2

DRILLING LOG		DIVISION Olsen Associates, Inc.	INSTALLATION Jacksonville, Florida	SHEET 1 OF 1 SHEETS
1. PROJECT New Pass, Sarasota County, FL Geotechnical Investigation of New Pass Ebb Shoal Channel		9. SIZE AND TYPE OF BIT 3.0 In.		10. COORDINATE SYSTEM/DATUM Florida State Plane West
2. BORING DESIGNATION NPVC-14-2		LOCATION COORDINATES X = 464,891 Y = 1,088,412		HORIZONTAL NAD 1983 VERTICAL NAVD 88
3. DRILLING AGENCY Athena Technologies, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER
4. NAME OF DRILLER P. McClellan		12. TOTAL SAMPLES		DISTURBED UNDISTURBED (UD)
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL	BEARING	13. TOTAL NUMBER CORE BOXES
6. THICKNESS OF OVERBURDEN 0.0 Ft.		7. DEPTH DRILLED INTO ROCK 0.0 Ft.		14. WATER DEPTH 5.3 Ft.
8. TOTAL DEPTH OF BORING 17.0 Ft.		15. DATE BORING		STARTED 07-08-14 11:39 COMPLETED 07-08-14 12:00
		16. ELEVATION TOP OF BORING -5.5 Ft.		17. TOTAL RECOVERY FOR BORING 10 Ft.
		18. SIGNATURE AND TITLE OF INSPECTOR A. Freeze		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-5.5	0.0					
-6.8	1.3		Fine quartz SAND, some fine/medium sand size shell, trace coarse sand size shell, poorly graded, subrounded, light gray (2.5Y-7/1), (SP).		1	Sample #1, Depth = 1.3' - 1.8' Mean (mm): 0.41, Phi Sorting: 1.40 Shell: 57%, Fines (230): 0.43% (SP)
-7.9	2.4		Medium sand size SHELL, little coarse sand/fine gravel size shell, little fine sand, well graded, light gray (2.5Y-7/2), (SW).			
-8.6	3.1		Fine quartz SAND, some fine/medium sand size shell, poorly graded, subrounded, light gray (2.5Y-7/1), (SP).			
-8.8	3.3					Sample #2, Depth = 3.8' - 4.3' Mean (mm): 0.38, Phi Sorting: 1.61 Shell: 50%, Fines (230): 0.53% (SP)
-9.3	3.8		Fine quartz SAND, little fine/medium sand size shell, poorly graded, subrounded, white (2.5Y-8/1), (SP).		2	
-10.8	5.3		Medium sand size SHELL, some fine quartz sand, few coarse sand/fine gravel size shell, poorly graded, gray (2.5Y-6/1), (SP).			Sample #3, Depth = 5.8' - 6.3' Mean (mm): 0.17, Phi Sorting: 0.67 Shell: 19%, Fines (230): 0.05% (SP)
-11.7	6.2		Fine quartz SAND, some fine/medium sand size shell, poorly graded, subrounded, light gray (2.5Y-7/1), (SP).		3	
-11.9	6.4		Fine quartz SAND, few fine sand size shell, poorly graded, subrounded, possible fluid escape structure present, white (2.5Y-8/1), (SP).			Sample #C, Depth = 0.0' - 8.0' Mean (mm): 0.53, Phi Sorting: 2.03 Shell: 56%, Fines (230): 0.85% (SP)
			Silty fine quartz SAND, little silt/organic silt, light olive gray (5Y-6/2), (SM).		0	
-15.5	10.0		Medium/coarse sand size SHELL, little fine gravel size shell, little fine quartz sand, well graded; 6.66 - 6.8' = fine quartz sand layer, gray (2.5Y-6/1), (SW).			
			It is our opinion that rodding and compaction of the coarse grained shell portion of the core sample impacted recovery at this location.			
			End of Boring			

FLORIDA DEP ROSS, NEW PASS, FL, JULY '14, GPJ, FL DEP ROSS, GDT, 8/29/14