

Drilling Log				1 of 2 Sheets		
1. Project Martin County Shore Protection Project				10. Size and Type of Bit		
2. Location 775489.2E 1048260.1N				11. Datum for Elevation Shown (TDM or MSL) NGVD *		
3. Drilling Agency Alpine Ocean Seismic Survey, Inc.				12. Manufacturer's Designation of Drill Vibracore		
4. Hole No. (As shown on drawing 85a) ATM 10/10R2				13. Total No. of Overburden Samples Taken		Undisturbed
5. Name of Driller Chris Moore				14. Total No. of Core Boxes 2		
6. Direction of Hole <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Inclined _____ Degree from Vertical				15. Elevation Ground Water Total		
7. Thickness of Overburden				16. Date Hole		Started 11/19/93 Completed 11/19/93
8. Depth Drilled Into Rock				17. Elevation Top of Hole -21.15		
9. Total Depth of Hole 12.7 ft				18. Total Core Recovery for Boring _____ %		
19. Signature of Inspector						

Elevation	Depth	Legend	Classification of Materials (Description)	% Core Recovery	Box or Sample No.	Remarks (Drilling time, water loss, depth of weathering, if significant)
a	b	c	d	e	f	g
-21.15	0	SP	Medium to coarse sand, angular; black to brown; very shelly; shells highly fragmented		①	
-23.85	2	SP			②	2.7 ft
-25.15	4		Graduated contact		③	4 ft
-27.15	6	SP	Medium sand; coarse below 5.0 ft; less shelly at top; very shelly toward bottom; gray; shells highly fragmented		④	6 ft
-28.15	7		Sharp contact		⑤	7 ft
-29.15	8	SP	Fine to medium sand; less shelly; poorly graded; gray; increasingly coarse and shelly toward 8.5 ft		⑥	8 ft
-31.15	10	SP	Medium to coarse sand; very shelly; color change to brown at 8.9 ft		⑦	

ENG FORM 1836

Project

Hole No.

* Elevation shown is based on actual tide at Mayport and adjusted for Seminole Shores.

01000-K19

Drilling Log (Cont Sheet)		Elevation Top of Hole -21.15		Hole No. ATM 10/10R2		
Project ATM		Installation			Sheet of 2 2	
Elevation	Depth	Legend	Classification of Materials (Description)	% Core Recovery	Box or Sample No.	Remarks (Drilling time, water loss, depth of weathering, if significant)
a	b	c	d	e	f	g
-31.15	10	SP	Medium to fine, gray sand; shell fragments and shell layers			
-33.15	12	SW	Fine, gray sand mixed with coarse shell		8	12 ft
-33.85			Bottom ATM 10			
-32.05	11		Top ATM 10/10R2		9	11 ft
	12	SW	Medium to coarse sand; shelly (40% carbonate); well graded; gray; interbedded fine sands; shells highly fragmented			
-34.45		SP	Fine sand, poorly graded; gray; interbedded coarse, shelly sand at 14.2 ft to 14.4 ft; slight coarsening in sand at 14.8 ft; 10% silt		10	13.4 ft
-35.05	14				11	14 ft
	15		Interbed of coarse, black sand at 15.0 ft to 16.0 ft			
-37.05	16	SP	Interbed of coarse, shelly sand at 16.0 ft to 17.0 ft		12	16 ft
-38.05	17	SP	Interbed of large mollusk fragments; shelly sand at 17.2 ft to 17.4 ft			20% carbonate at 16.0 ft to 17.0 ft
-39.05	18				13	18 ft
	19		Bottom 18.4 ft			