

Drilling Log		1 of 2 Sheets	
1. Project Martin County Shore Protection Project		10. Size and Type of Bit	
2. Location 774202.2E 1048363.4N		11. Datum for Elevation Shown (TDM or MSL) NGVD	
3. Drilling Agency Alpine Ocean Seismic Survey, Inc.		12. Manufacturer's Designation of Drill Vibrocure	
4. Hole No. (As shown on drawing title) ATM 9		13. Total No. of Overburden Samples Taken	Disturbed 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 Tidal	
7. Thickness of Overburden		16. Date Hole	Started 11/18/93 Completed 11/18/93
8. Depth Drilled into Rock		17. Elevation Top of Hole 36.75	
9. Total Depth of Hole 19.2 ft		18. Total Core Recovery for Boring _____ %	
19. Signature of Inspector			

Elevation a	Depth b	Legend c	Classification of Materials (Description) d	% Core Recovery e	Box or Sample No. f	Remarks (Drilling time, water loss, depth of weathering, if significant) g		
-36.75	0	SP	Medium to coarse sand; very shelly; distinct brown color until 0.7 ft; brownish gray below 0.7 ft; scattered large mollusk shells throughout		1	2 ft		
-38.75	2	SP	Some interbedded silty, gray sand (local)		2			
	3	SP	Very shelly 3.4 ft to 3.6 ft					
-40.75	4		Very shelly 4.2 ft to 4.9 ft (70% carbonate shells); large bivalve shells (whole); dark gray color		3		4 ft	
	5	CL	Clay; inorganic; olive gray (4.9 ft to 5.1 ft)					
-42.75	6	SP	Very shelly; medium to coarse sand; well graded; large mollusk shells abundant (whole); increasingly fine olive gray sand below 6.6 ft		4		6 ft	
	7	GW	Shell tag; significant fine, silty, olive gray matrix (30%); well-graded					
		SP	Very shelly, medium to coarse, dark gray sand (70% carbonate)					
-44.75	8	SP	Very fine, silty (20%) sand; white; mottled with black shell fragments		5			8 ft
		GW	Shell layers interbedded with olive gray clay toward bottom; well-graded					
	9	SW	Shelly, fine sand					
	10		Void	Void 0%				

Drilling Log (Cont Sheet)		Elevation Top of Hole 36.75		Hole No. ATM 9		
Project ATM		Installation			Sheet of 2 Sheets	
Elevation a	Depth b	Legend c	Classification of Materials (Description) d	% Core Recovery e	Box or Sample No. f	Remarks (Drilling time, water loss, depth of weathering, if significant) g
-46.75	10	Void		Void 0%		11 ft
-47.75	11	GW	Coarse mollusk shell lag (75%); interbeds of olive gray and white, silty, fine sand (matrix); very well- graded throughout; shells frag- mented to whole		6	
-48.75	12				7	12 ft
-50.75	13	SP	Fine, white sand; slightly shelly; black fragments			14 ft
	14	Void		Void 0%	8	
	15	GW	Shell lag mixed with fine sand, shell fragments, and whole shells			16 ft
-52.75	16	SP	Shelly, fine, olive gray sand		9	
	17	SW	Cemented shell and fine, white sand shells; highly fragmented			18 ft
-54.75	18	SW			10	
-55.95	19		Bottom 19.2 ft			
	20					
	21					