

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District	
1. PROJECT INDIAN RIVER COUNTY 1999		10. SIZE AND TYPE OF BIT 4" VIBRACORE			
2. LOCATION (Coordinates or Station) X=725905.400 Y=1199700.300		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD			
3. DRILLING AGENCY APPLIED TECHNOLOGY AND MANAGEMENT, INC.		12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE			
4. HOLE NO. (As shown on drawing title and file number) IR-C-4		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 5 undisturbed: 0			
5. NAME OF DRILLER M. Barnett		14. TOTAL NUMBER OF CORE BOXES 2			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		15. ELEVATION GROUND WATER			
7. THICKNESS OF BURDEN 0 Ft.		16. DATE HOLE STARTED COMPLETED 7-2-99 7-2-99			
8. DEPTH DRILLED INTO ROCK 0 Ft.		17. ELEVATION TOP OF HOLE -29.8 Ft.			
9. TOTAL DEPTH OF HOLE 16.9 Ft.		18. TOTAL CORE RECOVERY FOR BORING 100 %			
		19. SIGNATURE OF G. ZARILLO, SEA, INC			

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-29.8	.0					-29.8
-30.9	1.1		Tan medium to fine shelly sand (SP)		0.5	
			Tan-brown medium to fine sand, shell fragments (SP)	100	3.0	
-34.4	4.6		Tan-brown medium to fine sand, shell frags, thin shell layers. (SP)		6.0	-35.3
-37.7	7.9		Grey medium-fine sand (SP)	100		
-39.8	10.0		Grey medium-coarse sand, large shell frags, whole shells (SP)		11.0	-40.3
-42.1	12.3		Grey fine sand, large shell frags (SW)	100		Mud layer, 12.3-12.5
-42.5	12.7		Grey-light grey fine sand, few shell frags (SP)		14.0	
-45.6	15.8		Grey medium-fine sand, shell fragments (SP)	100		-44.8
-46.7	16.9					-46.7
						Composite 0-12.3

Sediment Analysis Data Sheet

Sample IR-C-4-0.5

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm
	16.00	-4.00	0.00	0.00	0.00		
	11.31	-3.50	0.00	0.00	0.00		
	8.00	-3.00	0.79	4.12	4.12		
	5.66	-2.50	0.55	2.86	6.98	5%	: -2.85 7.19
5	4.00	-2.00	0.57	2.96	9.94	16%	: -1.28 2.44
7	2.83	-1.50	0.81	4.23	14.17	25%	: -0.62 1.54
10	2.00	-1.00	0.82	4.25	18.42	50%	: 0.59 0.66
14	1.41	-0.50	1.66	8.63	27.05	75%	: 1.43 0.37
18	1.00	0.00	1.90	9.88	36.94	84%	: 1.68 0.31
25	0.71	0.50	2.09	10.90	47.84	95%	: 1.97 0.26
35	0.50	1.00	2.33	12.11	59.94		
45	0.35	1.50	3.33	17.33	77.27	Med.	0.59 0.66
60	0.25	2.00	3.64	18.96	96.23	Mean	0.02 0.99
80	0.18	2.50	0.48	2.51	98.74	St Dev.	1.47
120	0.13	3.00	0.08	0.43	99.17	Skew	-0.35
170	0.09	3.50	0.03	0.13	99.30	Kurt.	0.96
200	0.07	3.75	0.00	0.00	99.30		
Pan			0.00	0.00	99.30		
Total			19.08	99.30	99.30		
						Moment	Statistics
							Phi mm
Cu =	3.24		Gravel		8 %	Mean	0.49 0.71
			Coarse	Sand	10 %	St. Dev.	1.45 0.37
			Med.	Sand	50 %	Skewness	-0.80
Cc =	0.66		Fine	Sand	31 %	Kurtosis	2.81

SEA, INC.