

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 1	
1. PROJECT INDIAN RIVER COUNTY 1999				10. SIZE AND TYPE OF BIT 4" VIBRACORE			
2. LOCATION (Coordinates or Station) X=727558.300 Y=1180264.600				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-S-9				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 4 undisturbed: 0			
5. NAME OF DRILLER T. Mason				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 6-26-99 6-26-99			
8. DEPTH DRILLED INTO ROCK 0 Ft.				17. ELEVATION TOP OF HOLE -18.7 Ft.			
9. TOTAL DEPTH OF HOLE 18.7 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
-18.7	.0					-18.7
			Tan medium to fine sand, shell frags., whole shells to 1 inch. (SP)		0.5	
				100		
					4.0	
						-23.7
				100	8.0	
						-28.7
-31.0	12.3		Gray fine sand. (SP)	100	13.0	
-33.4	14.7		Brown fine sand and silt. (SM)			-33.7
-35.9	17.2		Gray coarse shell, rock fragments. (GW)	100		
-37.4	18.7					-37.4
						Composite 0-13.0 ft.

Sediment Analysis Data Sheet

Sample IR-S-9-0.5

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	0.00	0.00	0.00		
	5.66	-2.50	0.34	1.62	1.62	5% :	-0.94 1.92
5	4.00	-2.00	0.13	0.64	2.26	16% :	0.07 0.95
7	2.83	-1.50	0.20	0.95	3.21	25% :	0.47 0.72
10	2.00	-1.00	0.29	1.40	4.61	50% :	1.15 0.45
14	1.41	-0.50	0.69	3.31	7.92	75% :	1.60 0.33
18	1.00	0.00	1.36	6.56	14.47	84% :	1.77 0.29
25	0.71	0.50	2.32	11.21	25.68	95% :	1.98 0.25
35	0.50	1.00	3.34	16.09	41.77		
45	0.35	1.50	5.77	27.82	69.59	Med.	1.15 0.45
60	0.25	2.00	5.53	26.67	96.26	Mean	0.80 0.57
80	0.18	2.50	0.68	3.27	99.53	St Dev.	0.87
120	0.13	3.00	0.06	0.31	99.84	Skew	-0.35
170	0.09	3.50	0.01	0.06	99.90	Kurt.	1.06
200	0.07	3.75	0.00	0.00	99.90		
Pan			0.00	0.00	99.90		
Total			20.72	99.90	99.90		
						Moment	Statistics
							Phi mm
Cu =	1.92		Gravel		2 %	Mean	1.14 0.45
			Coarse Sand		3 %	St. Dev.	1.02 0.49
			Med. Sand		51 %	Skewness	-1.60
Cc =	0.88		Fine Sand		44 %	Kurtosis	6.09

SEA, INC.