

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=727158.100 Y=1199816.400				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-3				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 4 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 -30.2 Ft.			
9. TOTAL DEPTH OF HOLE 20.3 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
-30.2	.0					-30.2
-31.0	.8		Light tan medium to fine sand (SP)		0.5	
			Tan light brown medium to fine sand (SP)	100	3.0	
-35.2	5.0		Grey medium to fine sand (SP)			-35.2
				100	6.0	mud ball at 6.3
-37.8	7.7		Grey medium to fine sand, whole shells, shell frags. (SP)			
-38.2	9.0		Grey fine sand, large shells, shell frags. (SW)		10.0	-38.2
-42.2	12.0		Light grey fine sand (SP)	100		
-46.7	16.5		Medium to fine sand, large whole shells, shell frags. (SP)			-46.7
-48.1	17.9		Light grey fine sand (SP)	100		
-48.8	18.6		Light grey medium sand, whole shells, large shell frags (SW)			
-50.5	20.3					-50.5
						composite 0-17.9

## Sediment Analysis Data Sheet

Sample IR-C-3-0.5

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	0.14	0.69	0.69			
	5.66	-2.50	0.91	4.66	5.35	5% :	-2.54	5.81
5	4.00	-2.00	0.12	0.62	5.97	16% :	-0.34	1.27
7	2.83	-1.50	0.31	1.59	7.56	25% :	0.17	0.89
10	2.00	-1.00	0.42	2.13	9.69	50% :	1.00	0.50
14	1.41	-0.50	0.81	4.12	13.82	75% :	1.66	0.32
18	1.00	0.00	1.35	6.87	20.68	84% :	1.86	0.28
25	0.71	0.50	2.42	12.35	33.03	95% :	2.29	0.20
35	0.50	1.00	3.34	17.06	50.09			
45	0.35	1.50	3.48	17.76	67.85	Med.	1.00	0.50
60	0.25	2.00	4.43	22.61	90.47	Mean	0.45	0.73
80	0.18	2.50	1.52	7.75	98.21	St Dev.	1.28	
120	0.13	3.00	0.22	1.11	99.33	Skew	-0.34	
170	0.09	3.50	0.03	0.17	99.50	Kurt.	1.33	
200	0.07	3.75	0.00	0.00	99.50			
Pan			0.00	0.00	99.50			
Total			19.49	99.50	99.50			
						Moment Statistics		
							Phi	mm
Cu =	2.44		Gravel		6 %	Mean	0.97	0.51
			Coarse	Sand	4 %	St. Dev.	1.27	0.41
			Med.	Sand	49 %	Skewness	-1.21	
Cc =	0.76		Fine	Sand	41 %	Kurtosis	4.25	

SEA, INC.