

## VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-19</u>	
Coordinates:	Date: <u>11-29-90</u>	Water Depth <u>23</u> NGVD	
N = <u>795933</u>	Start Time <u>1622</u>	Driller <u>RODNEY MEYER</u>	
E = <u>428547</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

  

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-23	0				
Length of Barrel <u>20'</u>		0.3		SILTY SHELL HASH		
Penetration Depth <u>7.5</u>		1.3		GREY CLAYEY MATERIAL w/ SHELL HASH	(1)	
Length Recovered <u>7.0</u>				GREY SILTY FINE QUARTZ SAND w/ SHELL HASH AND FRAGMENTS (1 1/2" MAX)	1.5 (-24.5)	SM
Length Retained <u>7.0</u>		5				
Remarks:		5.5		GREYISH-BROWN SILTY FINE QUARTZ w/ SHELL HASH FRAG		
Consolidated Shell Rock & Coral in Bit Sample.		6.8		WHITE - CONSOLIDATED SHELL ROCK		
Support Vessel <u>DANIELLE MARIE</u>	-30	7.0				
Positioning System <u>TRISponder</u>						
Positioning Remarks:						
		10				
Weather <u>CLEAR</u>						
Wind Dir: <u>ESE</u>						
Est. Speed <u>5-10 KTS</u>						
Waves Dir: <u>SOUTH</u>						
Height <u>1'-1 1/2' CALM</u>						
Current Dir: <u>SOUTH</u>		15				
Est. Speed: <u>N/A</u>						
Analysis By: <u>KEN JACKSON</u>						
Date: <u>DEC. 20-27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>		20				

GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      ON: DEC.1990

SAMPLE NO.: C-19  
SAMPLE ELEV. (FT. NGVD): -24.5  
SAMPLE DEPTH (FT.): 1.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 300.60  
SAMPLE WEIGHT AFTER WASH (GRAMS): 229.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	15.30	5.09	94.91
7	-1.5	2.800	23.90	7.95	92.05
10	-1.0	2.000	34.40	11.44	88.56
14	-0.5	1.400	45.80	15.24	84.76
18	0.0	1.000	55.40	18.43	81.57
25	0.5	.710	66.60	22.16	77.84
35	1.0	.500	79.30	26.38	73.62
45	1.5	.355	87.00	28.94	71.06
60	2.0	.250	95.90	31.90	68.10
80	2.5	.180	109.80	36.53	63.47
120	3.0	.125	145.50	48.40	51.60
170	3.5	.090	204.90	68.16	31.84
200	3.7	.075	223.50	74.35	25.65
230	4.0	.063	264.15	87.87	12.13
PAN			300.60	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.299
MEDIAN (mm):	.122	SORTING:	2.154
SILT/CLAY:	25.65%	KURTOSIS:	.861
SKEWNESS:	-3.965		

PHI(5): -2.02	PHI(16): -.38	PHI(25): .84
PHI(50): 3.04	PHI(75): 3.76	PHI(84): 3.93
PHI(95): 4.13		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:C1915.TAB