

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No.: <u>C-8</u>	
Coordinates:	Date: <u>11/29/90</u>	Water Depth: <u>24'</u> NGVD	
N = <u>783550</u>	Start Time: <u>1243</u>	Driller: <u>RODNEY MEYER</u>	
E = <u>432342</u>	End Time: _____	Client Rep.: <u>JEFF L. ANDREWS</u>	

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-24'	0		GREY SILT & SHELL HASH		
-24.5	0.5				
	5		GREY, SILTY FINE SANDS QUARTZ w/SHELL FRAGMENTS AND HASH	(1) 3.3 (-27.3)	
-32'	8.0		DARK-GREY SLIGHTLY-ORGANIC FINE SAND w/ SHELL HASH		
-33.7	10.7		WHITE, CEMENTED SHELL AND LIMESTONE		
-35.5	11.5				
	15				
	20				

Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>14'</u> Length Recovered <u>11.5'</u> Length Retained <u>11.5'</u> Remarks: _____	Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPONDER</u> Positioning Remarks: _____ Weather <u>CLEAR</u> Wind Dir: <u>E.S.E</u> Est. Speed <u>5-10 KTS.</u> Waves Dir: <u>SOUTH</u> Height <u>1'-1 1/2' CALM</u> Current Dir: <u>NE</u> 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>	

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-8
SAMPLE ELEV. (FT. NGVD): -27.3
SAMPLE DEPTH (FT.): 3.3
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 334.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 262.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	53.10	15.86	84.14
7	-1.5	2.800	66.50	19.86	80.14
10	-1.0	2.000	78.60	23.47	76.53
14	-0.5	1.400	89.00	26.58	73.42
18	0.0	1.000	97.60	29.14	70.86
25	0.5	.710	106.70	31.86	68.14
35	1.0	.500	116.30	34.73	65.27
45	1.5	.355	122.60	36.61	63.39
60	2.0	.250	131.30	39.21	60.79
80	2.5	.180	141.90	42.37	57.63
120	3.0	.125	175.00	52.25	47.75
170	3.5	.090	236.70	70.68	29.32
200	3.75	.075	254.50	75.99	24.01
230	4.0	.063	296.80	88.62	11.38
PAN			334.90	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.461
MEDIAN (mm):	.135	SORTING:	2.945
SILT/CLAY:	24.01%	KURTOSIS:	.688
SKEWNESS:	-5.002		

PHI(5): -3.36	PHI(16): -1.98	PHI(25): -.75
PHI(50): 2.89	PHI(75): 3.70	PHI(84): 3.91
PHI(95): 4.13		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C833.TAB

CAPTIVA ISLAND
SAND SEARCH, PHASE 2
GRAIN SIZE DISTRIBUTION CURVE
CORE SAMPLE

