

## VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-14

Coordinates:

N = 789489E = 429658Date: 11-29-91Start Time 1437End Time       Water Depth 23.5 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

		Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>		-23.5	0				
Length of Barrel <u>20'</u>			0.6		(DARK GREY SILTY FINE QUARTZ SAND)	(1)	SM
Penetration Depth <u>19'</u>					DARK GREY SILTY FINE QUARTZ SAND W/SHELL HASH AND FRAGMENTS (1" max)	3.0 (-26.5)	
Length Recovered <u>15.9'</u>			5				
Length Retained <u>15.9'</u>							
Remarks:							
SHELL ROCK IN BIT.							
Support Vessel <u>DANIELLE MARIE</u>							
Positioning System <u>TRISPONDER</u>							
Positioning Remarks:			7.6				
Weather <u>CLEAR</u>			10		WHITE, LIMY-SILTY CONSOLIDATED SHELL ROCK		
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>NE</u>			14.6				
Est. Speed: <u>N/A</u>			15		LIGHT GREY SILTY SHELL HASH AND FRAGMENTS (1" max)		
		-39.4	15.9				
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: KDJ      ON: DEC.1990

SAMPLE NO.: C-14  
SAMPLE ELEV. (FT. NGVD): -26.5  
SAMPLE DEPTH (FT.): 3.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 280.40  
SAMPLE WEIGHT AFTER WASH (GRAMS): 235.60

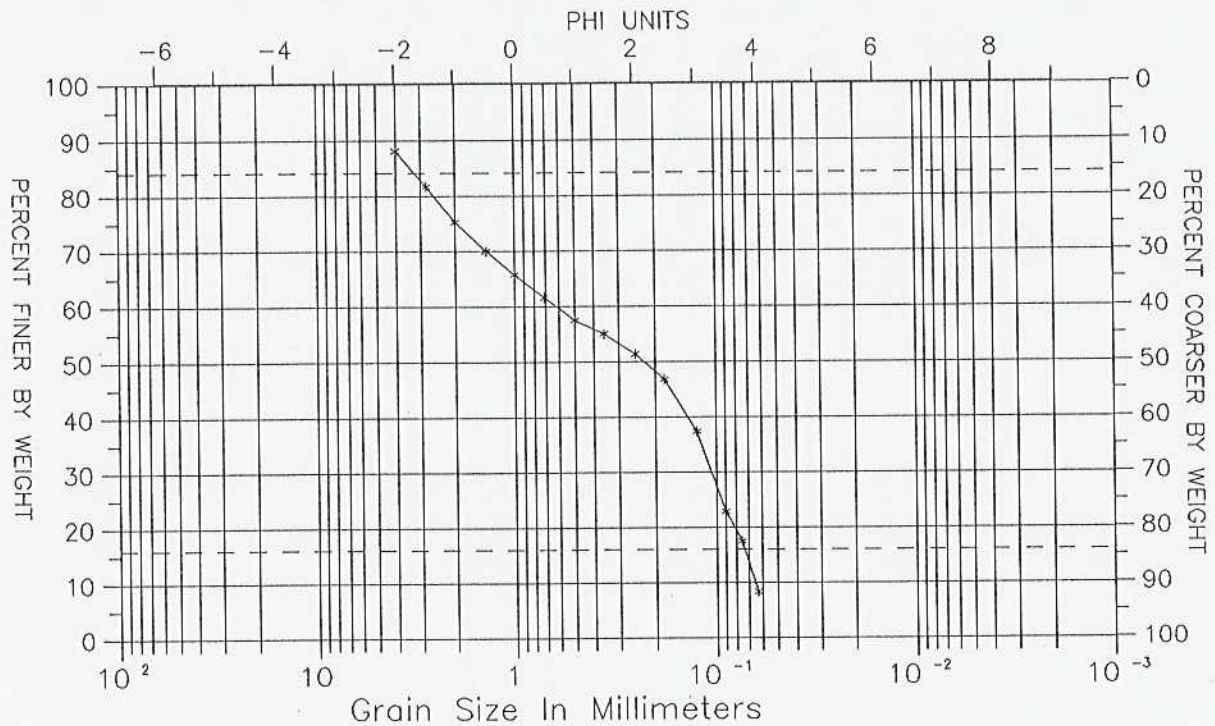
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	33.40	11.91	88.09
7	-1.5	2.800	51.30	18.30	81.70
10	-1.0	2.000	69.30	24.71	75.29
14	-0.5	1.400	84.20	30.03	69.97
18	0.0	1.000	96.20	34.31	65.69
25	0.5	.710	107.70	38.41	61.59
35	1.0	.500	119.15	42.49	57.51
45	1.5	.355	126.20	45.01	54.99
60	2.0	.250	136.30	48.61	51.39
80	2.5	.180	149.20	53.21	46.79
120	3.0	.125	175.70	62.66	37.34
170	3.5	.090	216.30	77.14	22.86
200	3.75	.075	231.30	82.49	17.51
230	4.0	.063	257.00	91.65	8.35
PAN			280.40	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.447
MEDIAN (mm):	.225	SORTING:	2.735
SILT/CLAY:	17.51%	KURTOSIS:	.618
SKEWNESS:	-2.752		

PHI(5): -2.54	PHI(16): -1.68	PHI(25): -.97
PHI(50): 2.15	PHI(75): 3.43	PHI(84): 3.79
PHI(95): 4.09		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:CIC14.TAB

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



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND					SILT	CLAY
		V. COAR.	COARSE	MEDIUM	FINE	V. FINE		

SAMPLE NO.

CLASSIFICATION

C-14	3.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.447	.225	2.735	SM