


VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-44B</u>	
Coordinates:	Date: <u>12-4-90</u>	Water Depth <u>30</u> NGVD	
N = <u>781251.2</u>	Start Time <u>1137</u>	Driller <u>RODNEY MEYER</u>	
E = <u>415902.5</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-30	0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>3'</u>						
Length Recovered <u>2.3'</u>						
Length Retained <u>2.3</u>						
Remarks: <u>CLEAN MED-FINE QUARTZ SAND w/</u> <u>SOME SMALL SHELL ROCK FRAGMENTS.</u> <u>NO SAMPLE KEPT.</u>	-32.3	2.3		WHITE-GREY FINE QUARTZ SAND	(1) 1.0 (-31)	SP
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRISponder</u>						
Positioning Remarks:						
Weather <u>CLEAR</u>						
Wind Dir: <u>SE</u>						
Est. Speed <u>0-5 KTS</u>						
Waves Dir: <u>NW</u>						
Height <u>1'-2'</u>						
Current Dir: <u>SOUTH</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>						
		5				
		10				
		15				
		20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-44B
SAMPLE ELEV. (FT. NGVD): -31
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

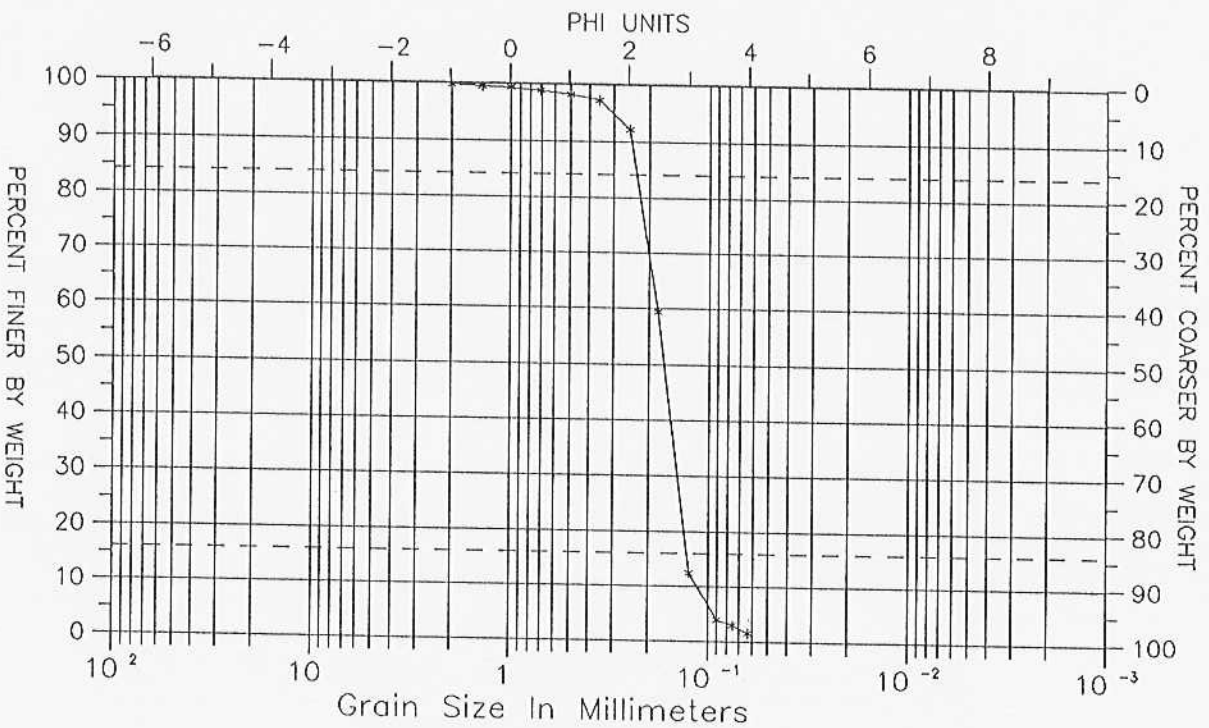
DRY SAMPLE WEIGHT (GRAMS): 225.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 219.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.00	.00	100.00
10	-1.0	2.000	.70	.31	99.69
14	-0.5	1.400	1.10	.49	99.51
18	0.0	1.000	1.60	.71	99.29
25	0.5	.710	2.60	1.15	98.85
35	1.0	.500	4.00	1.77	98.23
45	1.5	.355	6.20	2.75	97.25
60	2.0	.250	17.70	7.85	92.15
80	2.5	.180	91.70	40.65	59.35
120	3.0	.125	197.60	87.59	12.41
170	3.5	.090	216.70	96.05	3.95
200	3.75	.075	218.80	96.99	3.01
230	4.0	.063	222.15	98.47	1.53
PAN			225.40	99.91	.09

SIEVE LOSS(g):	.20	MEAN (mm):	.169
MEDIAN (mm):	.165	SORTING:	.419
SILT/CLAY:	3.01%	KURTOSIS:	1.164
SKEWNESS:	-.041		

PHI(5):	1.72	PHI(16):	2.12	PHI(25):	2.26
PHI(50):	2.60	PHI(75):	2.87	PHI(84):	2.96
PHI(95):	3.44				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC441B.TAB



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

SAMPLE NO.		CLASSIFICATION			
C-44B	1.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.169	.165	.419	SP

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