

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-36</u>	
Coordinates:	Date: <u>12-4-91</u>	Water Depth <u>17</u> NGVD	
N = <u>806811.5</u>	Start Time <u>1438</u>	Driller <u>RODNEY MEYER</u>	
E = <u>429172.9</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-17.	0		WHITE-GREY FINE QUARTZ SAND	(1)	SP
Length of Barrel <u>20'</u>		1.5		LIGHT GRAY SILTY FINE QUARTZ SAND & SHELL FRAG.	(1.0)	
Penetration Depth <u>8'</u>		2.3		GREY VERY SILTY FINE QUARTZ SAND	(1.8)	
Length Recovered <u>6.3'</u>		3.6		DARK GRAY, VERY SILTY FINE QUARTZ SAND & LARGE SHELL FRAG. (1/4")		
Length Retained <u>6.3'</u>		5		SHELL HARD		
Remarks:		5.8		GREY CONSOLIDATED SHELL ROCK		
GREY, SILTY, CONSOLIDATED SHELL ROCK.	-23.6	6.3				
SAVED SAMPLE, FROM BIT						
Support Vessel <u>DANIELLE MARIE</u>		10				
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>		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-36
SAMPLE ELEV. (FT. NGVD): -18
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 267.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 256.70

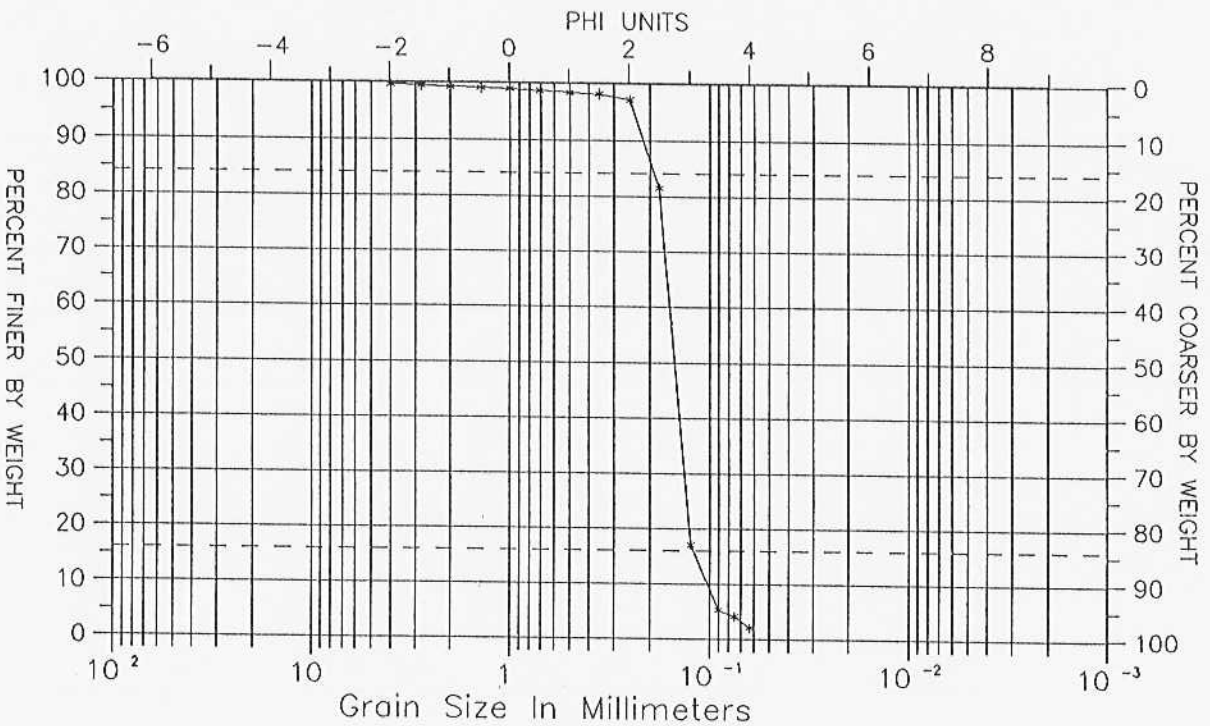
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.20	.45	99.55
7	-1.5	2.800	1.40	.52	99.48
10	-1.0	2.000	2.10	.78	99.22
14	-0.5	1.400	2.40	.90	99.10
18	0.0	1.000	2.80	1.05	98.95
25	0.5	.710	3.50	1.31	98.69
35	1.0	.500	4.20	1.57	98.43
45	1.5	.355	5.00	1.87	98.13
60	2.0	.250	7.60	2.84	97.16
80	2.5	.180	49.50	18.49	81.51
120	3.0	.125	222.00	82.93	17.07
170	3.5	.090	253.30	94.62	5.38
200	3.75	.075	256.40	95.78	4.22
230	4.0	.063	262.10	97.91	2.09
PAN			267.70	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.146
MEDIAN (mm):	.149	SORTING:	.313
SILT/CLAY:	4.22%	KURTOSIS:	1.598
SKEWNESS:	.162		

PHI(5):	2.07	PHI(16):	2.42	PHI(25):	2.55
PHI(50):	2.74	PHI(75):	2.94	PHI(84):	3.05
PHI(95):	3.58				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC361.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-36	1.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.146	.149	.313	SP