

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-48</u>	
Coordinates:	Date: <u>12-6-90</u>	Water Depth <u>31</u> NGVD	
N = <u>782286.8</u>	Start Time <u>1230</u>	Driller <u>RODNEY MEYER</u>	
E = <u>413526.7</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	<u>-31</u>	<u>0</u>				
Length of Barrel <u>20'</u>			m m m m	DARK GREY	(1)	SP
Penetration Depth <u>3'</u>			m m m m	SHELL HASH	1.0	
Length Recovered <u>1.8</u>	<u>-32.8</u>	<u>1.8</u>	m m m m	w/ SOME FINE	(-32)	
Length Retained <u>1.8'</u>			m m m m	QUARTZ SAND		
Remarks: <u>SOLID PIECE OF CONSOLIDATED SHELL ROCK IN BIT.</u>		<u>5</u>				
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRISPONDER</u>						
Positioning Remarks:		<u>10</u>				
Weather <u>CLEAR</u>						
Wind						
Dir: <u>NE</u>						
Est. Speed <u>10-15 KTS</u>						
Waves						
Dir: <u>W N W</u>						
Height <u>2'-4'</u>						
Current						
Dir: <u>SOUTH</u>		<u>15</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>20</u>				
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-48
SAMPLE ELEV. (FT. NGVD): -32
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

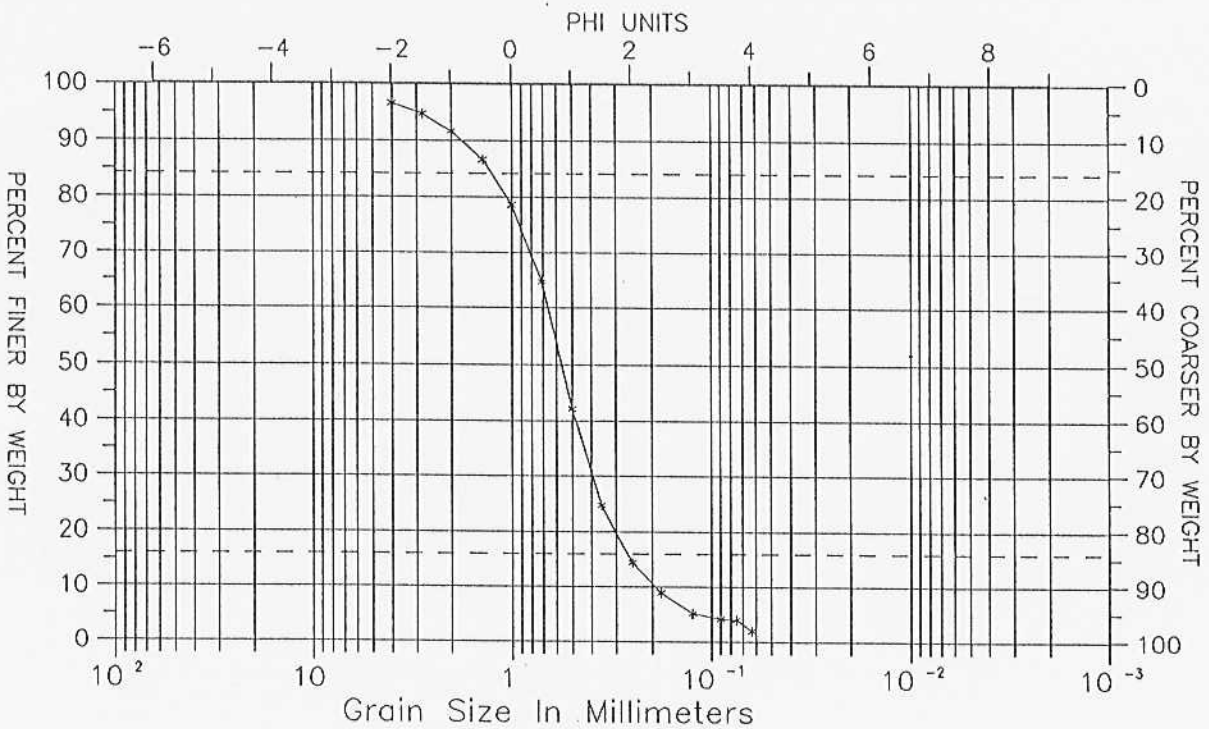
DRY SAMPLE WEIGHT (GRAMS): 324.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 311.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	11.10	3.42	96.58
7	-1.5	2.800	17.10	5.27	94.73
10	-1.0	2.000	27.10	8.36	91.64
14	-0.5	1.400	43.50	13.41	86.59
18	0.0	1.000	69.50	21.43	78.57
25	0.5	.710	114.80	35.40	64.60
35	1.0	.500	187.80	57.91	42.09
45	1.5	.355	244.30	75.33	24.67
60	2.0	.250	277.50	85.57	14.43
80	2.5	.180	295.60	91.15	8.85
120	3.0	.125	307.50	94.82	5.18
170	3.5	.090	310.70	95.81	4.19
200	3.75	.075	311.30	95.99	4.01
230	4.0	.063	317.90	98.03	1.97
PAN			324.30	100.00	.00

SIEVE LOSS(g):	.00		
MEDIAN (mm):	.565	MEAN (mm):	.580
SILT/CLAY:	4.01%	SORTING:	1.131
SKEWNESS:	-.131	KURTOSIS:	1.403

PHI(5): -1.57	PHI(16): -.34	PHI(25): .13
PHI(50): .82	PHI(75): 1.49	PHI(84): 1.92
PHI(95): 3.09		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC481.TAB



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

SAMPLE NO.		CLASSIFICATION			
C-48	1.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.580	.565	1.131	SP

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