

## VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-41

Coordinates:

N = 786232.6E = 420279.9Date: 12-4-90Start Time 0944

End Time \_\_\_\_\_

Water Depth 23 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-23	0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>5.5'</u>						
Length Recovered <u>5.2'</u>						
Length Retained <u>5.2'</u>						
Remarks: <u>BIT SAMPLE.</u>						
<u>GREY SILTY QUARTZ SAND w/SOME</u>						
<u>CONSOLIDATED SHELL ROCK.</u>						
		5				
Support Vessel <u>DANIELLE MARIE</u>	-28.2	5.2				
Positioning						
System <u>TRISPONDER</u>						
Positioning Remarks:						
		10				
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>						
		20				
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      DN: DEC.1990

SAMPLE NO.: C-41  
SAMPLE ELEV. (FT. NGVD): -26.0  
SAMPLE DEPTH (FT.): 3.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 266.70  
SAMPLE WEIGHT AFTER WASH (GRAMS): 247.70

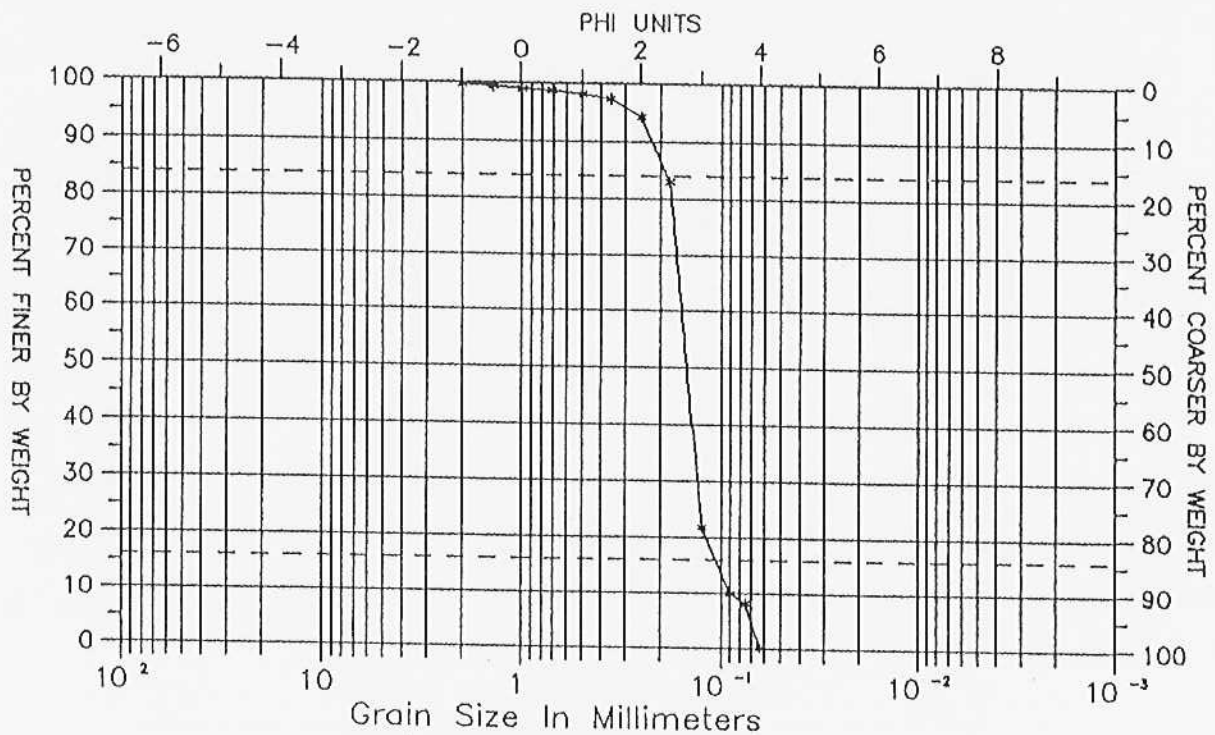
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.00	.00	100.00
10	-1.0	2.000	.60	.22	99.78
14	-0.5	1.400	1.30	.49	99.51
18	0.0	1.000	2.50	.94	99.06
25	0.5	.710	3.30	1.24	98.76
35	1.0	.500	5.00	1.87	98.13
45	1.5	.355	7.00	2.62	97.38
60	2.0	.250	14.90	5.59	94.41
80	2.5	.180	45.30	16.99	83.01
120	3.0	.125	208.60	78.22	21.78
170	3.5	.090	240.25	90.08	9.92
200	3.75	.075	245.20	91.94	8.06
230	4.0	.063	256.50	96.18	3.82
PAN			266.70	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.138
MEDIAN (mm):	.147	SORTING:	.393
SILT/CLAY:	8.06%	KURTOSIS:	2.037
SKEWNESS:	.292		

PHI(5):	1.90	PHI(16):	2.46	PHI(25):	2.57
PHI(50):	2.77	PHI(75):	2.97	PHI(84):	3.24
PHI(95):	3.93				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:C413.TAB

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



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

SAMPLE NO.		CLASSIFICATION			
C-41	3.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.138	.147	.393	SP-SM