

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-18

Coordinates:

N = 793217E = 425492Date: 12-2-90Start Time 1045

End Time _____

Water Depth 26 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	<u>-26</u>	<u>0</u>				
Length of Barrel <u>20'</u>						
Penetration Depth <u>9'</u>						
Length Recovered <u>6.0'</u>						
Length Retained <u>6.0'</u>						
Remarks: <u>CONSOLIDATED, WHITE, SILTY, SHELL-ROCK IN BIT SAMPLE.</u>						
		<u>4.3</u>				
		<u>5</u>				
Support Vessel <u>DANIELLE MARIE</u>	<u>-32</u>	<u>6.0</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>NE</u>						
Height <u>1'-2' CALM-CHOP</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>MECHANICAL SIEVE</u>		<u>20</u>				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-18
SAMPLE ELEV. (FT. NGVD): -28.5
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 249.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 216.60

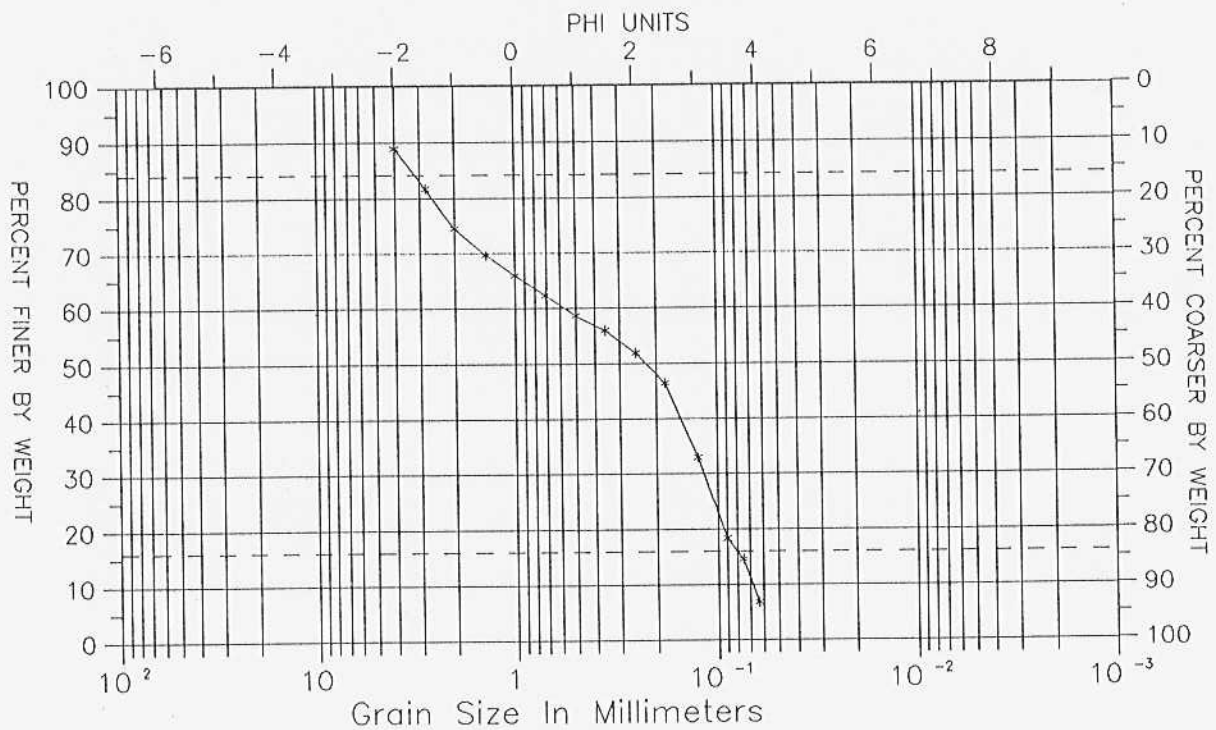
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	27.70	11.11	88.89
7	-1.5	2.800	45.60	18.28	81.72
10	-1.0	2.000	63.50	25.46	74.54
14	-0.5	1.400	75.90	30.43	69.57
18	0.0	1.000	85.30	34.20	65.80
25	0.5	.710	94.10	37.73	62.27
35	1.0	.500	103.20	41.38	58.62
45	1.5	.355	109.90	44.07	55.93
60	2.0	.250	120.00	48.12	51.88
80	2.5	.180	133.70	53.61	46.39
120	3.0	.125	167.40	67.12	32.88
170	3.5	.090	203.60	81.64	18.36
200	3.7	.075	213.10	85.45	14.55
230	4.0	.063	232.50	93.22	6.78
FAN			249.40	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.448
MEDIAN (mm):	.222	SORTING:	2.657
SILT/CLAY:	14.55%	KURTOSIS:	.617
SKEWNESS:	-2.711		

PHI(5): -2.43	PHI(16): -1.66	PHI(25): -1.03
PHI(50): 2.17	PHI(75): 3.27	PHI(84): 3.66
PHI(95): 4.06		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C1825.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-18	2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.448	.222	2.657	SM