

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-44C

Coordinates:

N = 781265.2E = 415862.6Date: 12-4-90Start Time 1204End Time Water Depth 30' NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-30	0		JETTED TO 1.5' SEE CORE C-44B		
Length of Barrel <u>20'</u>						
Penetration Depth <u>3.0'</u>		1.5		LIGHT GREY FINE QUARTZ SAND	(1) 2.5 (-32.5)	SP
Length Recovered <u>1.5'</u>		3.0				
Length Retained <u>1.5'</u>						
Remarks: <u>BIT SAMPLE.</u>	-33					
<u>LIGHT GREY QUARTZ SAND.</u>		5				
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRIPONDER</u>						
Positioning Remarks:						
Weather <u>CLEAR</u>		10				
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>		20				
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: C-44C
SAMPLE ELEV. (FT. NGVD): -33
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

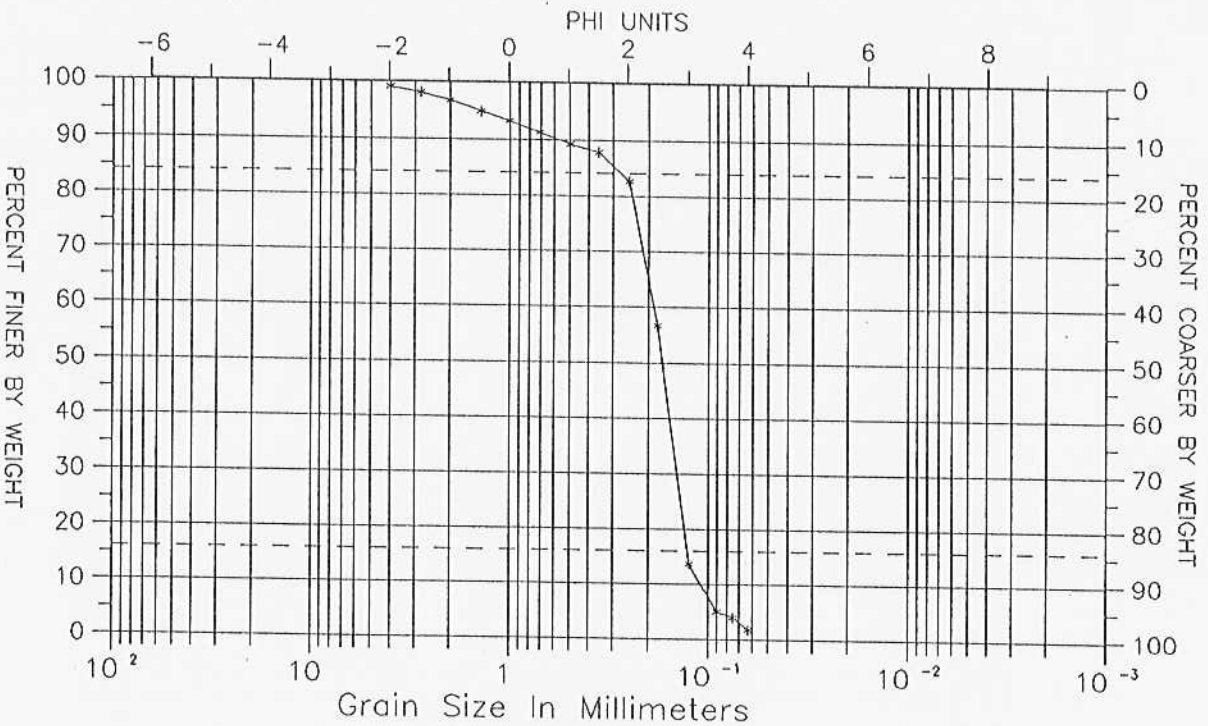
DRY SAMPLE WEIGHT (GRAMS): 228.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 220.10

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	2.20	.96	99.04
7	-1.5	2.800	4.30	1.88	98.12
10	-1.0	2.000	7.40	3.24	96.76
14	-0.5	1.400	11.60	5.08	94.92
18	0.0	1.000	15.40	6.75	93.25
25	0.5	.710	19.90	8.72	91.28
35	1.0	.500	24.50	10.74	89.26
45	1.5	.355	27.80	12.18	87.82
60	2.0	.250	39.40	17.27	82.73
80	2.5	.180	98.90	43.34	56.66
120	3.0	.125	197.10	86.37	13.63
170	3.5	.090	216.70	94.96	5.04
200	3.75	.075	219.00	95.97	4.03
230	4.0	.063	224.05	98.18	1.82
PAN			228.20	100.00	.00

SIEVE LOSS(g):	.00	
MEDIAN (mm):	.168	MEAN (mm): .236
SILT/CLAY:	4.03%	SORTING: .548
SKEWNESS:	-2.168	KURTOSIS: 2.297

PHI(5): -.52	PHI(16): 1.88	PHI(25): 2.15
PHI(50): 2.58	PHI(75): 2.87	PHI(84): 2.97
PHI(95): 3.51		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC442C.TAB



WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-44 2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.236	.168	.548	SP

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