

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-50</u>	
Coordinates:	Date: <u>12-6-90</u>	Water Depth <u>29</u> NGVD	
N = <u>783845.8</u>	Start Time <u>1155</u>	Driller <u>RODNEY MEYER</u>	
E = <u>412709.2</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-29	0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>4'</u>						
Length Recovered <u>3.1'</u>						
Length Retained <u>3.1'</u>						
Remarks: BIT WAS DAMAGED. ENCOUNTERED VERY HARD MATERIAL. BIT SAMPLE WAS COARSE QUARTZ SAND AND SOME SHELL HASH.	-32.1	3.1		GREY MED- FINE QUARTZ SAND w/ SOME SHELL HASH	(1) 1.5 (30.5)	SP
Support Vessel <u>DANIELLE MARIE</u>		5				
Positioning System <u>TRISponder</u>						
Positioning Remarks:						
		10				
Weather <u>CLEAR</u>						
Wind						
Dir: <u>NE</u>						
Est. Speed <u>10-15 KTS</u>						
Waves						
Dir: <u>WNW</u>						
Height <u>2'-4'</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-50
SAMPLE ELEV. (FT. NGVD): -30.5
SAMPLE DEPTH (FT.): 1.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

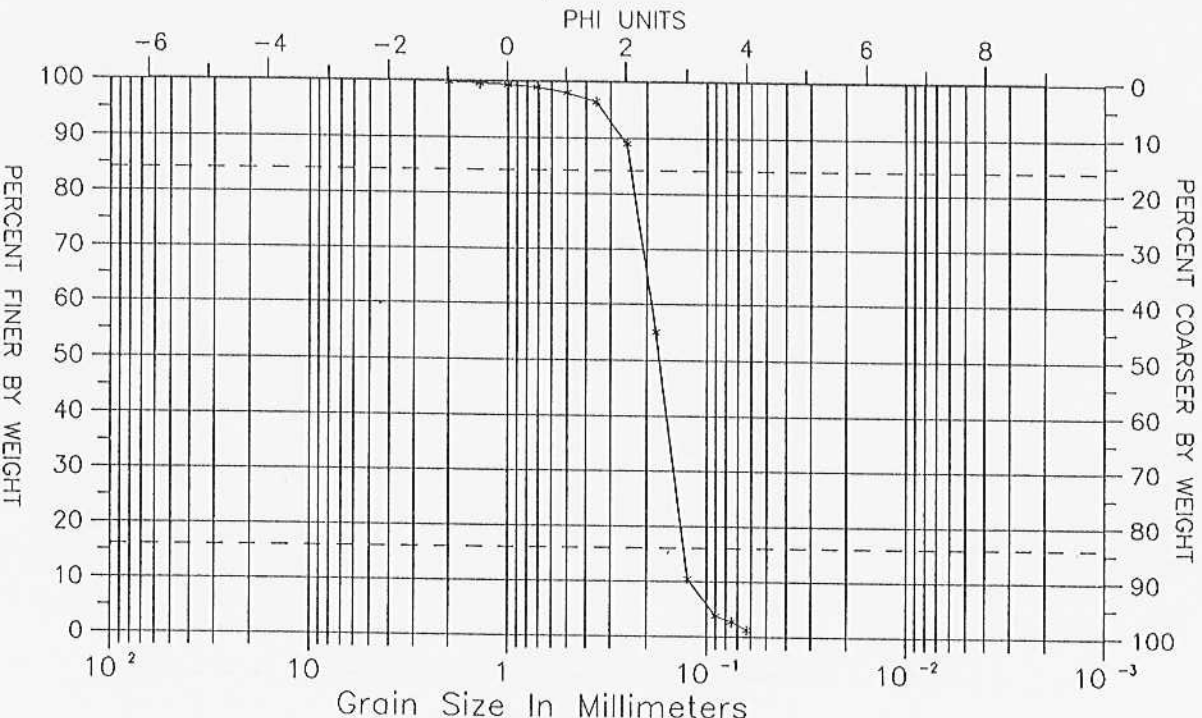
DRY SAMPLE WEIGHT (GRAMS): 278.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 271.50

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	1.10	.40	99.60
18	0.0	1.000	1.80	.65	99.35
25	0.5	.710	2.90	1.04	98.96
35	1.0	.500	5.50	1.98	98.02
45	1.5	.355	9.80	3.52	96.48
60	2.0	.250	30.70	11.04	88.96
80	2.5	.180	125.30	45.04	54.96
120	3.0	.125	249.10	89.54	10.46
170	3.5	.090	267.80	96.26	3.74
200	3.75	.075	270.50	97.23	2.77
230	4.0	.063	274.65	98.72	1.28
PAN			278.20	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.175
MEDIAN (mm):	.170	SORTING:	.432
SILT/CLAY:	2.77%	KURTOSIS:	1.174
SKEWNESS:	-.107		

PHI(5): 1.60	PHI(16): 2.07	PHI(25): 2.21
PHI(50): 2.56	PHI(75): 2.84	PHI(84): 2.94
PHI(95): 3.41		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC50.TAB



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

SAMPLE NO.		CLASSIFICATION			
C-50	1.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.175	.170	.432	SP

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