

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-1</u>	
Coordinates: N = <u>775189.2</u> E = <u>436918.6</u>	Date: <u>11/29/90</u> Start Time <u>0940</u>	Water Depth <u>23</u> NGVD Driller <u>RODNEY MEYER</u> Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>17'</u> Length Recovered <u>12'</u> Length Retained <u>12'</u> Remarks: <u>NO RECOVERY PASSED 12' DUE TO</u> <u>SHELLY MATERIAL CLOGGING BIT.</u>	-23	0				
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPOUNDER</u> Positioning Remarks:		5		GREY, SILTY FINE QUARTZ SANDS w/ SHELL HASH & FRAGMENTS	(1) 2.5' (-25.5)	SM
		7.2		DARK GREY SILTY CEMENTED SHELL		
		8.5		WHITE SILTY SHELL FRAG. SOME LIMESTONE GRAVEL		
		10				
Weather <u>CLEAR</u> Wind Dir: <u>ESE</u> Est. Speed <u>5-10 KTS</u> Waves Dir: <u>SOUTH</u> Height <u>1'-1 1/2'</u> CALM Current Dir: <u>NE</u> Est. Speed: <u>N/A</u>		10.5		WHITE CEMENTED SHELL - LIMESTONE		
		11.0		WHITE SILTY SHELL FRAG. SOME LIMESTONE GRAVEL		
		12				
		15				
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: KDJ DN: DEC.1990

SAMPLE NO.: C-1
SAMPLE ELEV. (FT. NGVD): -25.5
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE:

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 139.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 114.00

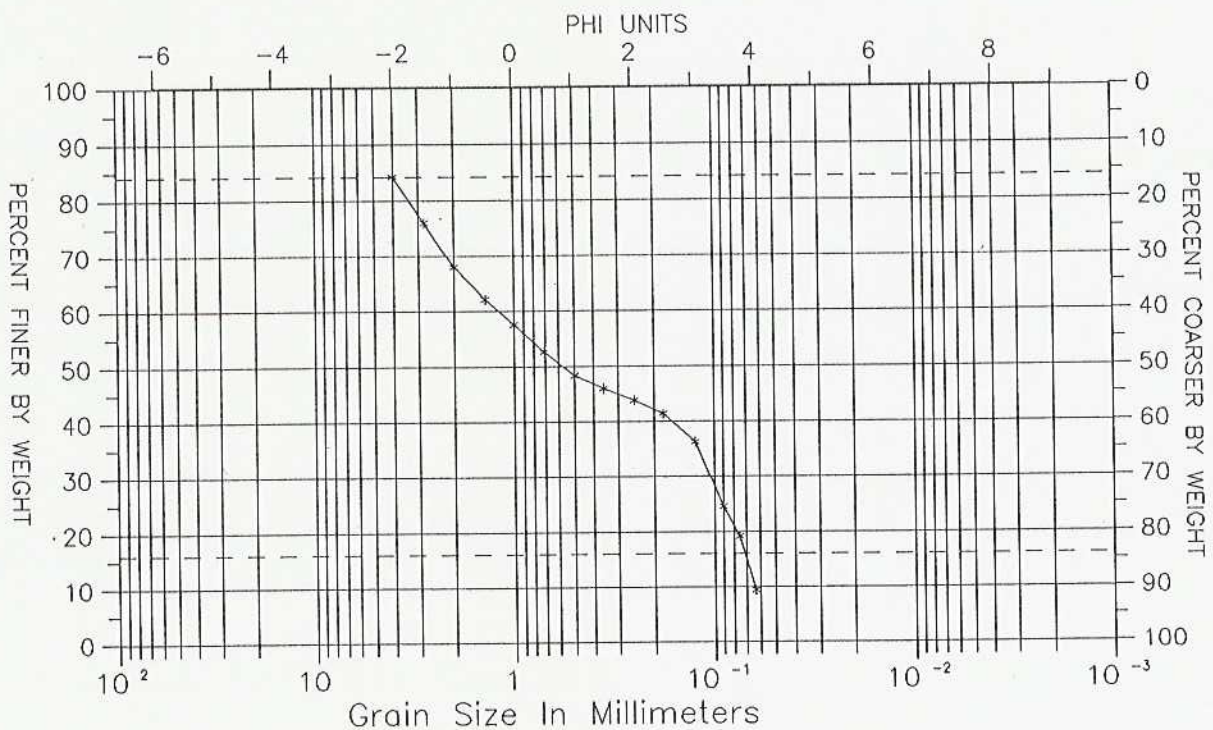
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	22.00	15.80	84.20
7	-1.5	2.800	33.40	23.99	76.01
10	-1.0	2.000	44.60	32.04	67.96
14	-0.5	1.400	52.80	37.93	62.07
18	0.0	1.000	59.10	42.46	57.54
25	0.5	.710	66.00	47.41	52.59
35	1.0	.500	71.90	51.65	48.35
45	1.5	.355	75.20	54.02	45.98
60	2.0	.250	78.20	56.18	43.82
80	2.5	.180	81.60	58.62	41.38
120	3.0	.125	88.80	63.79	36.21
170	3.5	.090	105.10	75.50	24.50
200	3.75	.075	112.50	80.82	19.18
230	4.0	.063	126.10	90.59	9.41
PAN			139.10	99.93	.07

SIEVE LOSS(g):	.10	MEAN (mm):	.566
MEDIAN (mm):	.572	SORTING:	2.910
SILT/CLAY:	19.18%	KURTOSIS:	.565
SKEWNESS:	-.157		

PHI(5): -2.66	PHI(16): -1.99	PHI(25): -1.44
PHI(50): .81	PHI(75): 3.48	PHI(84): 3.83
PHI(95): 4.11		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC1.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-1	2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.566	.572	2.910	SM