

## VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-16</u>	
Coordinates:	Date: <u>12-2-90</u>	Water Depth <u>25</u> NGVD	
N = <u>791685</u>	Start Time <u>1602</u>	Driller <u>RODNEY MEYER</u>	
E = <u>427482</u>	End Time _____	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>5.8'</u> Length Recovered <u>5.0'</u> Length Retained <u>5.0'</u> Remarks: <u>BIT SAMPLE HAD HARD, PACKED, SILTY, SHELL FRAGMENTS</u>	-25	0		GREY, SILTY FINE QUARTZ W/ SHELL HASH AND FRAGMENTS (1 1/2" MAX.)	(1) 2.5 (-27.5)	SM
	-27.5	5				
	-30	10				
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPOUNDER</u> Positioning Remarks:		15				
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> 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-16  
SAMPLE ELEV. (FT. NGVD): -27.5  
SAMPLE DEPTH (FT.): 2.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 309.20  
SAMPLE WEIGHT AFTER WASH (GRAMS): 261.30

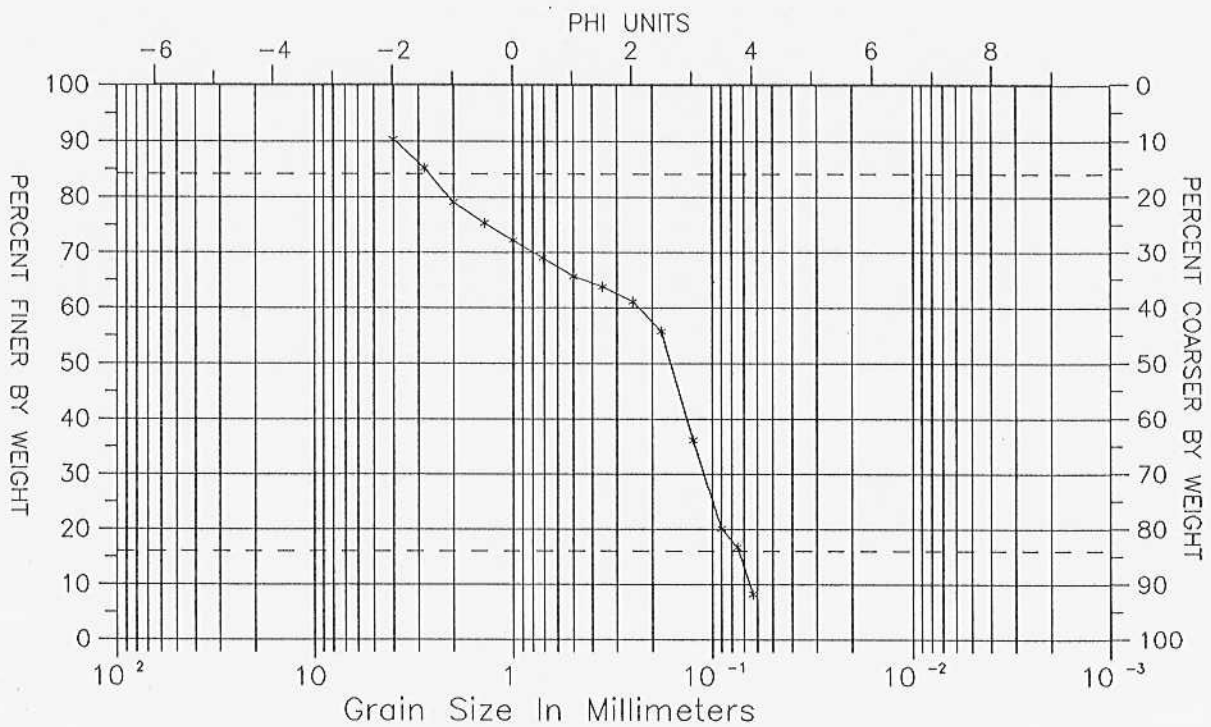
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	30.00	9.70	90.30
7	-1.5	2.800	45.70	14.78	85.22
10	-1.0	2.000	64.80	20.96	79.04
14	-0.5	1.400	76.30	24.68	75.32
18	0.0	1.000	85.80	27.75	72.25
25	0.5	.710	96.00	31.05	68.95
35	1.0	.500	106.30	34.38	65.62
45	1.5	.355	112.10	36.25	63.75
60	2.0	.250	120.30	38.91	61.09
80	2.5	.180	136.90	44.28	55.72
120	3.0	.125	197.40	63.84	36.16
170	3.5	.090	247.00	79.88	20.12
200	3.75	.075	257.40	83.25	16.75
230	4.0	.063	283.75	91.77	8.23
PAN			309.20	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.398
MEDIAN (mm):	.160	SORTING:	2.587
SILT/CLAY:	16.75%	KURTOSIS:	.708
SKEWNESS:	-3.661		

PHI(5): -2.46	PHI(16): -1.40	PHI(25): -.45
PHI(50): 2.65	PHI(75): 3.35	PHI(84): 3.77
PHI(95): 4.09		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:CIC16.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-16	2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.398	.160	2.587	SM