

## VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-33</u>	
Coordinates:	Date: <u>12-3-90</u>	Water Depth <u>23.5</u> NGVD	
N = <u>788754</u>	Start Time <u>1444</u>	Driller <u>RODNEY MEYER</u>	
E = <u>429871</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-23.5	0				
Length of Barrel <u>20'</u>		0.5		DARK GREY SILTY QUARTZ SAND & SHELL HASH		
Penetration Depth <u>5'</u>				GREY SILTY FINE QUARTZ SAND w/ SHELL HASH & FRAGMENTS	(1) 2.0 (-25.5)	SM
Length Recovered <u>3.6'</u>						
Length Retained <u>3.6'</u>						
Remarks: <u>SILTY, SHELLY, SHELL ROCK IN BIT.</u>	-27.1	3.6				
		5				
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRIPUNDER</u>						
Positioning Remarks:						
		10				
Weather <u>CLEAR</u>						
Wind						
Dir: <u>SE</u>						
Est. Speed <u>10-15 KTS</u>						
Waves						
Dir: <u>NW</u>						
Height <u>1'-2' CHOP</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      ON: DEC.1990

SAMPLE NO.: C-33  
SAMPLE ELEV. (FT. NGVD): -25.5  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 268.00  
SAMPLE WEIGHT AFTER WASH (GRAMS): 217.70

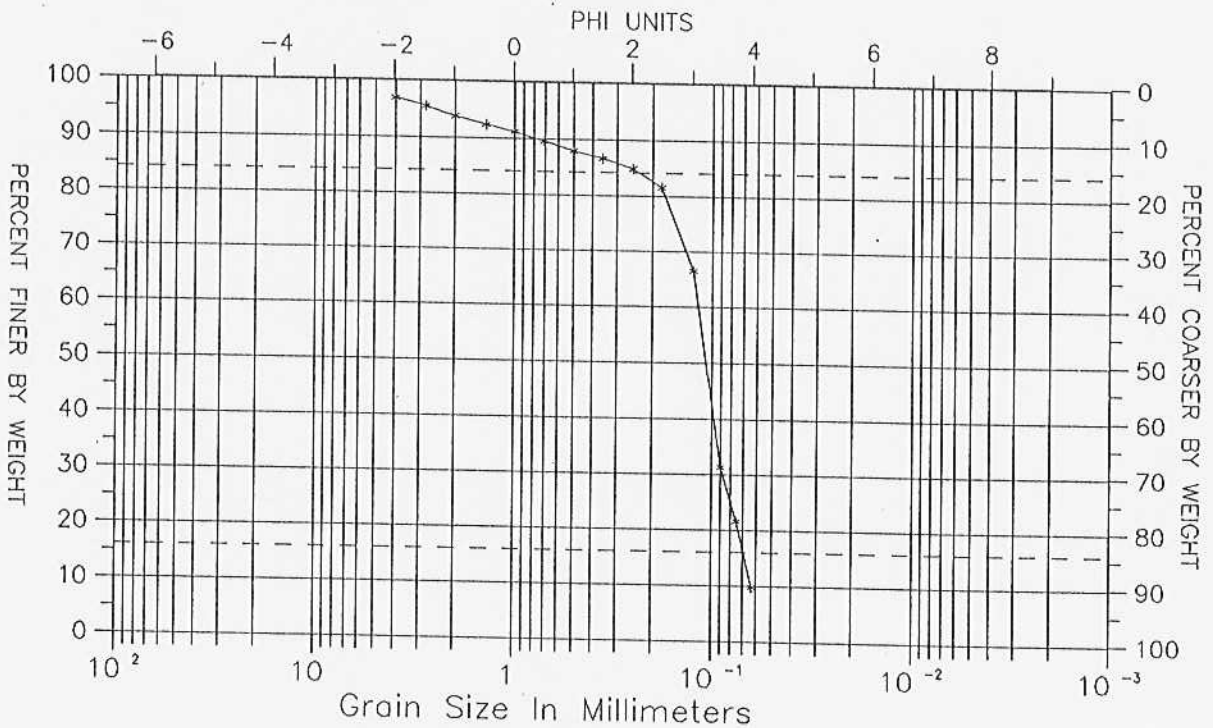
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	8.30	3.10	96.90
7	-1.5	2.800	12.00	4.48	95.52
10	-1.0	2.000	16.60	6.19	93.81
14	-0.5	1.400	20.50	7.65	92.35
18	0.0	1.000	23.70	8.84	91.16
25	0.5	.710	27.80	10.37	89.63
35	1.0	.500	32.40	12.09	87.91
45	1.5	.355	35.70	13.32	86.68
60	2.0	.250	40.60	15.15	84.85
80	2.5	.180	49.50	18.47	81.53
120	3.0	.125	90.00	33.58	66.42
170	3.5	.090	184.10	68.69	31.31
200	3.75	.075	210.30	78.47	21.53
230	4.0	.063	241.75	90.21	9.79
PAN			268.00	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.190
MEDIAN (mm):	.106	SORTING:	.870
SILT/CLAY:	21.53%	KURTOSIS:	2.363
SKEWNESS:	-3.713		

PHI(5): -1.35	PHI(16): 2.13	PHI(25): 2.72
PHI(50): 3.23	PHI(75): 3.66	PHI(84): 3.87
PHI(95): 4.10		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:CIC33.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-33	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.190	.106	.870	SM