

## VTBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-23</u>	
Coordinates:		Date: <u>12-2-90</u>	Water Depth <u>27</u> <small>NGVD</small>
N = <u>798997</u>		Start Time <u>1741</u>	Driller <u>RODNEY MEYER</u>
E = <u>423846</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>10'</u> Length Recovered <u>6.8'</u> Length Retained <u>6.8'</u> Remarks: _____	-27	0		GREY SILTY FINE QUARTZ SAND w/SHELL HASH AND FRAGMENTS	(1) 2.0 (-29)	SM
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPONDER</u> Positioning Remarks: _____	-33.8	6.8		WHITE-LIMEY CONSOLIDATED SHELL-ROCK		
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>		10				
Analysis By: <u>KEN JACKSON</u> Date: <u>DEC. 20-27, 1990</u> Analysis Method: <u>VISUAL LOG</u> <u>MECHANICAL SIEVE</u>		15				
		20				

GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      ON: DEC.1990

SAMPLE NO.: C-23  
SAMPLE ELEV. (FT. NGVD): -29.0  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 293.80  
SAMPLE WEIGHT AFTER WASH (GRAMS): 249.90

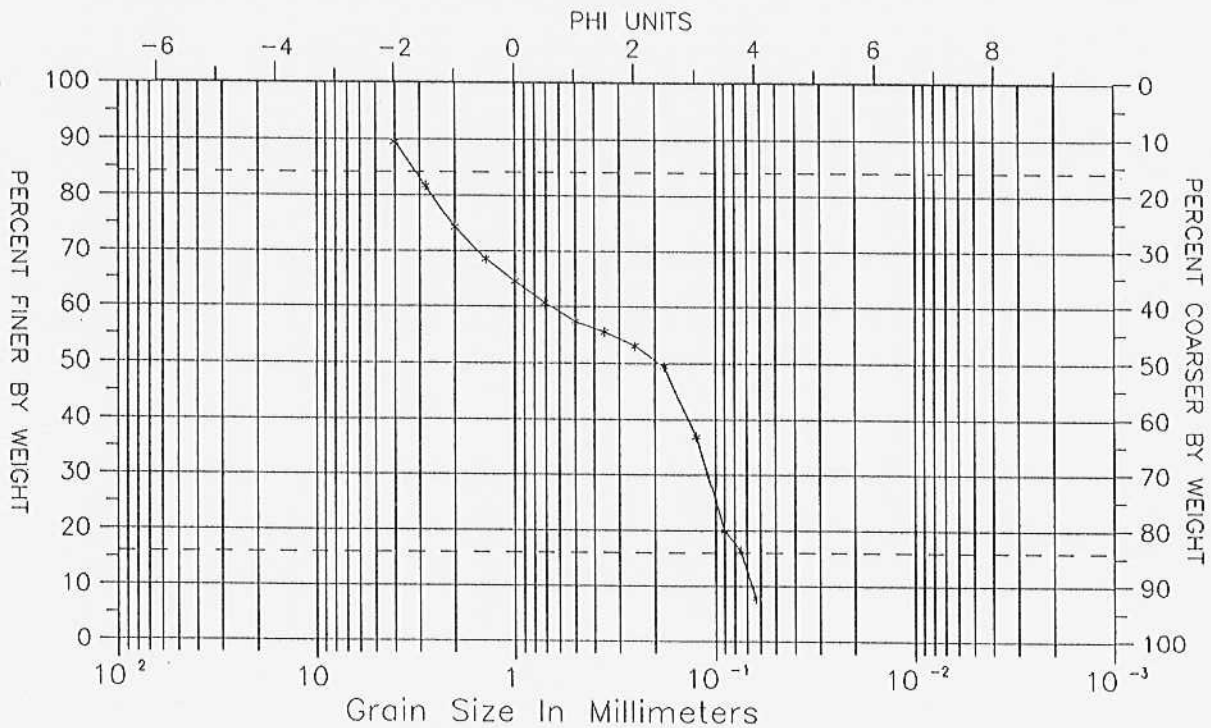
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	30.90	10.52	89.48
7	-1.5	2.800	54.00	18.38	81.62
10	-1.0	2.000	75.60	25.73	74.27
14	-0.5	1.400	92.60	31.52	68.48
18	0.0	1.000	104.60	35.60	64.40
25	0.5	.710	115.70	39.38	60.62
35	1.0	.500	125.40	42.68	57.32
45	1.5	.355	130.90	44.55	55.45
60	2.0	.250	138.10	47.00	53.00
80	2.5	.180	148.60	50.58	49.42
120	3.0	.125	185.30	63.07	36.93
170	3.5	.090	235.20	80.05	19.95
200	3.7	.075	245.40	83.53	16.47
230	4.0	.063	270.85	92.19	7.81
PAN			293.80	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.420
MEDIAN (mm):	.187	SORTING:	2.708
SILT/CLAY:	16.47%	KURTOSIS:	.599
SKEWNESS:	-3.108		

PHI(5): -2.35	PHI(16): -1.65	PHI(25): -1.05
PHI(50): 2.42	PHI(75): 3.35	PHI(84): 3.76
PHI(95): 4.08		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:C232.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-23	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.420	.187	2.708	SM