

## VTBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-15</u>					
Coordinates:	Date: <u>11-29-90</u>	Water Depth <u>22</u>	NGVD				
N = <u>790979</u>	Start Time <u>1512</u>	Driller <u>RODNEY MEYER</u>					
E = <u>431690</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>					
Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>7.6'</u> Length Recovered <u>5.5'</u> Length Retained <u>5.5'</u> Remarks:	Elev.	Depth	Legend	Description	Samp. No.	Remarks	
	-22	0					
		0.6			GREY FINE SILTY QUARTZ SAND SOME SHELL HASH	(1)	SM
					DARK GREY SILTY FINE SAND W/SHELL HASH AND FRAGMENTS (1" MAX)	2.5 (-24.5)	
	-27.5	5					
		5.5					
		10					
		15					
		20					
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPOUNDER</u> Positioning Remarks:							
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' CALM</u> Current Dir: <u>NE</u> 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>							

GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      DN: DEC.1990

SAMPLE NO.: C-15  
SAMPLE ELEV. (FT. NGVD): -24.5  
SAMPLE DEPTH (FT.): 2.5  
SAMPLE TYPE:

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 218.60  
SAMPLE WEIGHT AFTER WASH (GRAMS): 184.90

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	14.10	6.45	93.55
7	-1.5	2.800	21.00	9.61	90.39
10	-1.0	2.000	27.50	12.58	87.42
14	-0.5	1.400	32.90	15.05	84.95
18	0.0	1.000	37.60	17.20	82.80
25	0.5	.710	42.70	19.53	80.47
35	1.0	.500	48.30	22.10	77.90
45	1.5	.355	52.70	24.11	75.89
60	2.0	.250	60.60	27.72	72.28
80	2.5	.180	72.50	33.17	66.83
120	3.0	.125	112.50	51.46	48.54
170	3.5	.090	170.60	78.04	21.96
200	3.75	.075	182.20	83.35	16.65
230	4.0	.063	201.35	92.11	7.89
PAN			218.60	100.00	.00

SIEVE LOSS(g):	.00		
MEDIAN (mm):	.129	MEAN (mm):	.316
SILT/CLAY:	16.65%	SORTING:	2.024
SKEWNESS:	-4.067	KURTOSIS:	1.422

PHI(5): -2.23	PHI(16): -.28	PHI(25): 1.62
PHI(50): 2.96	PHI(75): 3.44	PHI(84): 3.77
PHI(95): 4.08		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:CIC15.TAB

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

