

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-13

Coordinates:

N = 788646E = 431885Date: 11/29/90Start Time 1356

End Time _____

Water Depth -22 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-22	0				
Length of Barrel <u>20'</u>		0.5		(GREY SILTY FINE QUARTZ SAND w/SHELL HASH)		
Penetration Depth <u>11'</u>						
Length Recovered <u>9'</u>						
Length Retained <u>9'</u>						
Remarks: LARGE PIECE OF CORAL IN BIT.					(1) 3.5 (-25.5)	SM
Support Vessel <u>DANIELLE MARIE</u>		5		GREY SILTY FINE QUARTZ SAND w/SHELL HASH AND SHELL FRAGMENTS (1" MAX)		
Positioning System <u>TRISPONDER</u>						
Positioning Remarks:						
	-31	9.0				
Weather <u>CLEAR</u>		10				
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>		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>						
<u>MECHANICAL SIEVE</u>		20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-13
SAMPLE ELEV. (FT. NGVD): -25.5
SAMPLE DEPTH (FT.): 3.5
SAMPLE TYPE:

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 198.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 174.00

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	20.80	10.49	89.51
7	-1.5	2.800	26.45	13.34	86.66
10	-1.0	2.000	33.60	16.94	83.06
14	-0.5	1.400	40.10	20.22	79.78
18	0.0	1.000	45.70	23.05	76.95
25	0.5	.710	52.30	26.37	73.63
35	1.0	.500	60.00	30.26	69.74
45	1.5	.355	64.90	32.73	67.27
60	2.0	.250	70.30	35.45	64.55
80	2.5	.180	77.90	39.28	60.72
120	3.0	.125	113.80	57.39	42.61
170	3.5	.090	157.10	79.22	20.78
200	3.75	.075	169.60	85.53	14.47
230	4.0	.063	184.95	93.27	6.73
PAN			198.00	99.85	.15

SIEVE LOSS(g):	.30		
MEDIAN (mm):	.144	MEAN (mm):	.409
SILT/CLAY:	14.47%	SORTING:	2.410
SKEWNESS:	-4.499	KURTOSIS:	.925

PHI(5): -2.96	PHI(16): -1.13	PHI(25): .29
PHI(50): 2.80	PHI(75): 3.40	PHI(84): 3.69
PHI(95): 4.06		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC13.TAB

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

