

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-22

Coordinates:

N = 798825

E = 427079

Date: 12-3-90

Start Time 0808

End Time

Water Depth 24 NGVD

Driller RODNEY MEYER

Client Rep. JEFF L. ANDREWS

Core Diam. 3"
Length of Barrel 20'
Penetration Depth 20'
Length Recovered 16.9'
Length Retained 16.9'
Remarks:

Support Vessel DANIELLE MARIE
Positioning System TRISPANDER
Positioning Remarks:

Weather CLEAR
Wind Dir: SE
Est. Speed 10-15 KTS.
Waves Dir: NW
Height 1'-2' CHOP
Current Dir: SOUTH
Est. Speed: N/A

Analysis By: KEN JACKSON
Date: DEC. 20-27, 1990
Analysis Method:
VISUAL LOG
MECHANICAL SIEVE

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-24	0		GREY, SILTY, FINE QUARTZ SAND w/ SHELL FRAG. & HASH	(1) 1-S (-25.5)	SM
	2.5		DARK BROWN SILTY FINE QUARTZ SAND		
	4.7		WHITE LIMY SILTY FINE QUARTZ SAND w/ SHELL HASH AND FRAGMENTS & SOME CONSOLIDATED SHELL-ROCK		
	5				
	10				
	10.8		LIGHT GREY FINE, SILTY, QUARTZ SAND w/ SOME SCATTERED SHELL FRAG.		
	15				
	16.9				
	20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-22
SAMPLE ELEV. (FT. NGVD): -25.5
SAMPLE DEPTH (FT.): 1.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 257.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 211.90

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	23.00	8.93	91.07
7	-1.5	2.800	36.70	14.24	85.76
10	-1.0	2.000	49.80	19.32	80.68
14	-0.5	1.400	59.10	22.93	77.07
18	0.0	1.000	66.20	25.69	74.31
25	0.5	.710	73.40	28.48	71.52
35	1.0	.500	81.00	31.43	68.57
45	1.5	.355	85.90	33.33	66.67
60	2.0	.250	92.80	36.01	63.99
80	2.5	.180	104.30	40.47	59.53
120	3.0	.125	144.40	56.03	43.97
170	3.5	.090	198.00	76.83	23.17
200	3.7	.075	209.10	81.14	18.86
230	4.0	.063	234.60	91.04	8.96
PAN			257.70	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.377
MEDIAN (mm):	.143	SORTING:	2.575
SILT/CLAY:	18.86%	KURTOSIS:	.740
SKEWNESS:	-3.881		

PHI(5): -2.37	PHI(16): -1.33	PHI(25): -.12
PHI(50): 2.81	PHI(75): 3.46	PHI(84): 3.82
PHI(95): 4.10		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C2215.TAB

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

