






VIBRACORE LOG							
PROJECT: CAPTIVA ISLAND BORROW AREA III				CORE NO: III-14			
COORDINATES: N = 783372 E = 412197	DATE: MARCH 6, 1993 START TIME: 1405 END TIME: 1407	WATER DEPTH: 30.2 Ft. NGVD DRILLER: EXMAR (M. CLARKE) CLIENT REP: MDA					
CORE DIAMETER: 3.0" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 3.5' LENGTH RECOVERED: 2.3' PERCENT RECOVERED: 66 % LENGTH RETAINED : 2.1'	SUPPORT VESSEL: SEAHORSE POSITIONING: TRISPONDER	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
		30.2'	0.0	~ ~	LT. GRAY, FINE GRAIN SAND WITH SHELL HASH		21 1.7 1.45 Phi 0.37 mm 1.9 % SILT (SP)
			0.8	~ ~			
		31.9'		~ ~	GRAY, FINE GRAIN SAND WITH SHELL HASH		
			2.5	~ ~			
		33.5'	3.3	O ~	1" MUD BALL @ 3.3'		
		33.7'	3.5	XXXX	ROCK		
WEATHER: WIND: DIR: NE SPEED: 10 TO 15 Kt WAVES DIR: NE HEIGHT: 1 TO 3 Ft.					BIT SAMPLE CONTAINED ROCK		
			5.0				
			7.5				
ANALYSIS BY: MDA DATE: MARCH 1993 ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> <div style="text-align: center;"> SAND  </div> <div style="text-align: center;"> SHELLS  </div> <div style="text-align: center;"> SILT  </div> <div style="text-align: center;"> SHELL HASH  </div> <div style="text-align: center;"> ROCK  </div> </div>			10.0				

NOTE: MEAN WAS CALCULATED USING 3 POINT METHOD

COASTAL PLANNING & ENGINEERING, INC

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/14/93

SAMPLE NO.: CORE #14
SAMPLE ELEV. (FT. NGVD): 31.80
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.65
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.10

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	2.10	1.03	98.97
5	-2.0	4.000	5.00	2.46	97.54
7	-1.5	2.800	6.90	3.39	96.61
10	-1.0	2.000	10.05	4.93	95.07
14	-0.5	1.400	14.70	7.22	92.78
18	0.0	1.000	21.15	10.39	89.61
25	0.5	.710	32.10	15.76	84.24
35	1.0	.500	49.70	24.40	75.60
45	1.5	.355	67.60	33.19	66.81
60	2.0	.250	99.10	48.66	51.34
80	2.5	.180	153.25	75.25	24.75
120	3.0	.125	194.95	95.73	4.27
170	3.5	.090	199.50	97.96	2.04
200	3.75	.075	199.80	98.11	1.89
230	4.0	.063	201.77	99.08	.92
PAN			203.60	99.98	.02

SIEVE LOSS (g):	.05	MEAN (PHI):	1.45
MEDIAN (mm):	.246	MEAN (mm):	.366
SILT/CLAY:	1.89%	SORTING:	1.100
SKEWNESS:	-2.054	KURTOSIS:	1.113

PHI(5):	-.99	PHI(16):	.51	PHI(25):	1.03
PHI(50):	2.03	PHI(75):	2.50	PHI(84):	2.71
PHI(95):	2.98				
COEFFICIENT OF CURVATURE :	.857				
COEFFICIENT OF UNIFORMITY:	2.204				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#14-S21.TAB

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA ISLAND VC 03/01/93

COASTAL PLANNING & ENGINEERING, INC.

