

VIBRACORE LOG							
PROJECT: <u>CAPTIVA ISLAND BORROW AREA III</u>				CORE NO: <u>III-4</u>			
COORDINATES: N = 779199 E = 414044	DATE: MARCH 2, 1993 START TIME: 0938 END TIME: 0947	WATER DEPTH: 32.2 Ft. NGVD DRILLER: EXMAR (M. CLARKE) CLIENT REP: MDA					
CORE DIAMETER: 3.0" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 1.1' LENGTH RECOVERED: 1.0' PERCENT RECOVERED: 91 % LENGTH RETAINED : 0.8'	SUPPORT VESSEL: SEAHORSE POSITIONING: TRISPOUNDER	ELEV. 32.2' 32.7' 33.1' 33.3'	DEPTH 0.0 0.9 1.1 2.5 5.0 7.5 10.0	LEGEND <div style="background-color: #cccccc; width: 20px; height: 20px; margin: 2px;"></div> XXXX	DESCRIPTION GRAY, FINE GRAIN SAND ROCK BIT SAMPLE CONTAINED ROCK	SAMP NO. 4 0.5'	REMARKS 2.62 Phi 0.16 mm 10.2 % SILT (SP-SM)
WEATHER: WIND: DIR: NE SPEED: 10 TO 15 Kt WAVES DIR: NE HEIGHT: 1 TO 3 Ft.							
ANALYSIS BY: MDA DATE: MARCH 1993 ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE							
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> SAND <div style="background-color: #cccccc; width: 30px; height: 15px; margin: 0 auto;"></div> </div> <div style="text-align: center;"> SHELLS <div style="display: flex; justify-content: center; gap: 5px;"> ▲▲ ▲ </div> </div> <div style="text-align: center;"> SILT <div style="display: flex; justify-content: center; gap: 5px;"> </div> </div> <div style="text-align: center;"> SHELL HASH <div style="display: flex; justify-content: center; gap: 5px;"> ---- </div> </div> <div style="text-align: center;"> ROCK <div style="border: 1px solid black; padding: 2px; display: inline-block;"> XXXX XXX </div> </div> </div>							

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

COASTAL PLANNING & ENGINEERING, INC

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/09/93

SAMPLE NO.: CORE #4
SAMPLE ELEV. (FT. NGVD): 33.0
SAMPLE DEPTH (FT.): 0.4
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 199.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.40

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	.00	.00	100.00
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.10	.05	99.95
10	-1.0	2.000	.30	.15	99.85
14	-0.5	1.400	.80	.40	99.60
18	0.0	1.000	1.80	.90	99.10
25	0.5	.710	4.05	2.03	97.97
35	1.0	.500	8.50	4.26	95.74
45	1.5	.355	13.90	6.96	93.04
60	2.0	.250	36.25	18.16	81.84
80	2.5	.180	60.65	30.39	69.61
120	3.0	.125	150.60	75.45	24.55
170	3.5	.090	175.70	88.03	11.97
200	3.75	.075	179.20	89.78	10.22
230	4.0	.063	189.60	94.99	5.01
PAN			199.40	99.90	.10

SIEVE LOSS (g):	.20	MEAN (PHI):	2.62
MEDIAN (mm):	.152	MEAN (mm):	.163
SILT/CLAY:	10.22%	SORTING:	.718
SKEWNESS:	-.298	KURTOSIS:	1.641

PHI(5): 1.14	PHI(16): 1.90	PHI(25): 2.28
PHI(50): 2.72	PHI(75): 2.99	PHI(84): 3.34
PHI(95): 4.00		

COEFFICIENT OF CURVATURE : 1.403
COEFFICIENT OF UNIFORMITY: 2.225

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#4 S#4.TAB

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

