

VIBRACORE LOG							
PROJECT: <u>CAPTIVA ISLAND BORROW AREA III</u>				CORE NO: <u>III-5</u>			
COORDINATES:	DATE: MARCH 2, 1993	WATER DEPTH: 30.0 Ft. NGVD					
N = 780794	START TIME: 1515	DRILLER: EXMAR (M. CLARKE)					
E = 414069	END TIME: 1521	CLIENT REP: MDA					
CORE DIAMETER: 3.0"	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS	
LENGTH OF BARREL: 11.5'	30.0'	0.0					
PENETRATION DEPTH: 3.2'	30.7'	0.4	~ ~	GRAY, FINE GRAIN SAND			
LENGTH RECOVERED: 3.2'	30.7'	1.4	~ ~	LT. GRAY, FINE GRAIN SAND WITH SHELL HASH	5 0.7'	1.06 Phi 0.48 mm 3.9 % SILT (SP)	
PERCENT RECOVERED: 100 %	32.3'	2.5	~ ~	GRAY, FINE GRAIN SAND WITH SHELL HASH AND SHELLS	6 2.3'	1.06 Phi 0.48 mm 4.3 % SILT (SP)	
LENGTH RETAINED : 3.0'	33.0'	2.6	~	GRAY, FINE GRAIN SAND			
SUPPORT VESSEL: SEAHORSE	33.2'	3.2	XXXX	ROCK			
POSITIONING: TRISPOUNDER				BIT SAMPLE CONTAINED ROCK			
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							
SAND							
SHELLS							
SILT							
SHELL HASH							
ROCK							
XXXXX							
XXX							
		7.5					
		10.0					

NOTE: MEAN WAS CALCULATED USING 3 POINT METHOD

NOTE: MEAN WAS CALCULATED USING 1 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 #5
SAMPLE ELEV. (FT. NGVD): 30.40
SAMPLE DEPTH (FT.): 0.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 195.60

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	.40	.20	99.80
5	-2.0	4.000	4.00	1.97	98.03
7	-1.5	2.800	7.10	3.50	96.50
10	-1.0	2.000	14.20	6.99	93.01
14	-0.5	1.400	25.60	12.60	87.40
18	0.0	1.000	42.80	21.07	78.93
25	0.5	.710	67.40	33.19	66.81
35	1.0	.500	98.20	48.35	51.65
45	1.5	.355	120.85	59.50	40.50
60	2.0	.250	147.20	72.48	27.52
80	2.5	.180	171.60	84.49	15.51
120	3.0	.125	190.20	93.65	6.35
170	3.5	.090	194.55	95.79	4.21
200	3.75	.075	195.20	96.11	3.89
230	4.0	.063	199.20	98.08	1.92
PAN			203.00	99.95	.05

SIEVE LOSS (g):	.10	MEAN (PHI):	1.06
MEDIAN (mm):	.475	MEAN (mm):	.481
SILT/CLAY:	3.89%	SORTING:	1.390
SKEWNESS:	-.117	KURTOSIS:	.970

PHI(5): -1.28	PHI(16): -.30	PHI(25): .16
PHI(50): 1.07	PHI(75): 2.11	PHI(84): 2.48
PHI(95): 3.32		
COEFFICIENT OF CURVATURE :	.822	
COEFFICIENT OF UNIFORMITY:	4.217	

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

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04/09/93

SAMPLE NO.: CORE #5
SAMPLE ELEV. (FT. NGVD): 31.90
SAMPLE DEPTH (FT.): 2.2
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 194.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 186.50

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	2.00	1.03	98.97
5	-2.0	4.000	5.70	2.93	97.07
7	-1.5	2.800	9.70	4.99	95.01
10	-1.0	2.000	15.70	8.07	91.93
14	-0.5	1.400	26.70	13.73	86.27
18	0.0	1.000	41.60	21.39	78.61
25	0.5	.710	62.60	32.19	67.81
35	1.0	.500	88.50	45.50	54.50
45	1.5	.355	107.90	55.48	44.52
60	2.0	.250	134.20	69.00	31.00
80	2.5	.180	161.60	83.08	16.92
120	3.0	.125	181.40	93.26	6.74
170	3.5	.090	185.60	95.42	4.58
200	3.75	.075	186.20	95.73	4.27
230	4.0	.063	190.30	97.84	2.16
PAN			194.40	99.95	.05

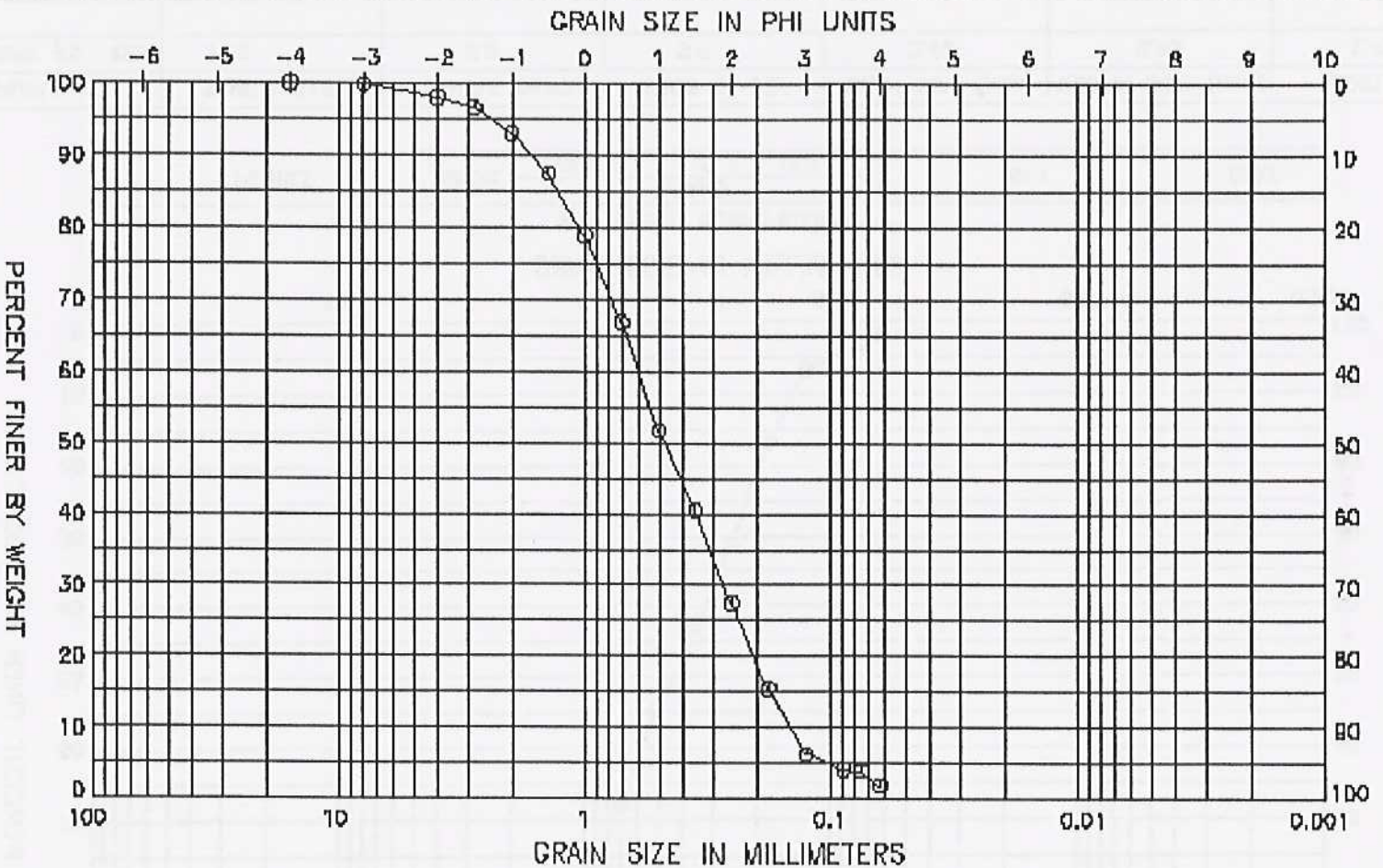
SIEVE LOSS (g):	.10	MEAN (PHI):	1.06
MEDIAN (mm):	.428	MEAN (mm):	.478
SILT/CLAY:	4.27%	SORTING:	1.448
SKEWNESS:	-.547	KURTOSIS:	.982

PHI(5): -1.50	PHI(16): -.35	PHI(25): .17
PHI(50): 1.23	PHI(75): 2.21	PHI(84): 2.54
PHI(95): 3.40		

COEFFICIENT OF CURVATURE : .738
COEFFICIENT OF UNIFORMITY: 4.130

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#5 S#6.TAB

PERCENT COARSER BY WEIGHT



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #5 REVD	30.7	0.7	SP	0.48	0.48	1.39

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

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

