
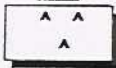


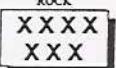


VIBRACORE LOG							
PROJECT: <u>CAPTIVA ISLAND BORROW AREA III</u>				CORE NO: <u>III-9</u>			
COORDINATES: N = 779806 E = 414816	DATE: MARCH 6, 1993 START TIME: 1515 END TIME: 1520	WATER DEPTH: 30.0 Ft. NGVD DRILLER: EXMAR (M. CLARKE) CLIENT REP: MDA					
CORE DIAMETER: 3.0" LENGTH OF BARREL: 11.5' PENETRATION DEPTH: 3.7' LENGTH RECOVERED: 2.8' PERCENT RECOVERED: 76 % LENGTH RETAINED : 2.6'	SUPPORT VESSEL: SEAHORSE POSITIONING: TRISPONDER	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; align-items: flex-start;"> <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>					
		ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
		30.0'	0.0				
		30.8'	0.8		LT. BROWN, FINE GRAIN SAND	13	2.52 Phi 0.17 mm 1.6 % SILT (SP)
		32.5'	2.5		GRAY, FINE GRAIN SAND	14	
		33.5'	3.5		GRAY, FINE GRAIN SAND WITH SHELL HASH	2.5'	
		33.7'	3.7	XXXX	ROCK		
			5.0		BIT SAMPLE CONTAINED ROCK		
			7.5				
			10.0				

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: 04/14/93

SAMPLE NO.: CORE #9
SAMPLE ELEV. (FT. NGVD): 30.60
SAMPLE DEPTH (FT.): 0.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.40

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	.05	.02	99.98
10	-1.0	2.000	.25	.12	99.88
14	-0.5	1.400	.60	.29	99.71
18	0.0	1.000	1.40	.69	99.31
25	0.5	.710	2.00	.98	99.02
35	1.0	.500	3.60	1.77	98.23
45	1.5	.355	6.30	3.10	96.90
60	2.0	.250	18.70	9.19	90.81
80	2.5	.180	82.10	40.34	59.66
120	3.0	.125	184.40	90.61	9.39
170	3.5	.090	199.30	97.94	2.06
200	3.75	.075	200.30	98.43	1.57
230	4.0	.063	201.90	99.21	.79
PAN			203.50	100.00	.00

SIEVE LOSS (g):	.00	MEAN (PHI):	2.52
MEDIAN (mm):	.165	MEAN (mm):	.174
SILT/CLAY:	1.57%	SORTING:	.412
SKEWNESS:	-.236	KURTOSIS:	1.140

PHI(5): 1.66	PHI(16): 2.11	PHI(25): 2.25
PHI(50): 2.60	PHI(75): 2.84	PHI(84): 2.93
PHI(95): 3.30		

COEFFICIENT OF CURVATURE : .932
COEFFICIENT OF UNIFORMITY: 1.414

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#9-S#13.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND VC 03/01/93

TESTED BY: MDA ON: 04-14-93

SAMPLE NO.: CORE #9
SAMPLE ELEV. (FT. NGVD): 31.80
SAMPLE DEPTH (FT.): 1.8
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 202.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 191.50

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	.00	.00	100.00
5	-2.0	4.000	.15	.07	99.93
7	-1.5	2.800	.50	.25	99.75
10	-1.0	2.000	1.10	.54	99.46
14	-0.5	1.400	1.60	.79	99.21
18	0.0	1.000	2.30	1.14	98.86
25	0.5	.710	3.50	1.73	98.27
35	1.0	.500	5.20	2.57	97.43
45	1.5	.355	7.70	3.81	96.19
60	2.0	.250	17.70	8.76	91.24
80	2.5	.180	53.70	26.57	73.43
120	3.0	.125	156.70	77.54	22.46
170	3.5	.090	187.60	92.83	7.17
200	3.75	.075	190.70	94.36	5.64
230	4.0	.063	196.70	97.33	2.67
PAN			202.10	100.00	.00

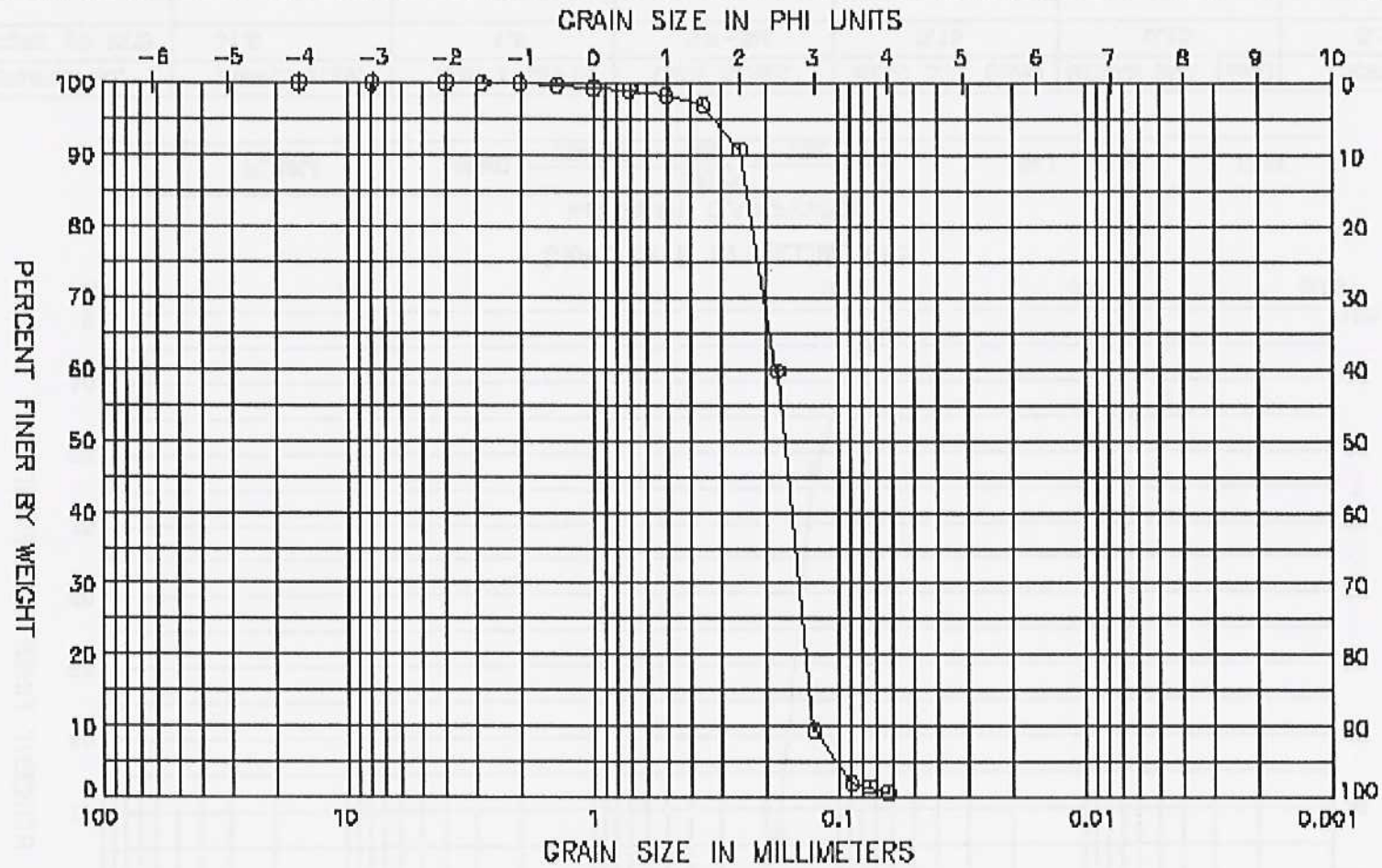
SIEVE LOSS (g):	.00	MEAN (PHI):	2.71
MEDIAN (mm):	.151	MEAN (mm):	.152
SILT/CLAY:	5.64%	SORTING:	.504
SKEWNESS:	-.035	KURTOSIS:	1.724

PHI(5): 1.62	PHI(16): 2.20	PHI(25): 2.46
PHI(50): 2.73	PHI(75): 2.98	PHI(84): 3.21
PHI(95): 3.80		

COEFFICIENT OF CURVATURE : 1.139
COEFFICIENT OF UNIFORMITY: 1.712

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#9-S#14.TAB

PERCENT COARSER BY WEIGHT



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #9 REV	30.6	0.6	SP	0.17	0.17	0.41

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

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

