

VIBRACORE LOG

PROJECT: CAPTIVA ISLAND BORROW AREA III	CORE NO: III-13
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<u>COORDINATES:</u>	DATE: MARCH 6, 1993	WATER DEPTH: 31.5 Ft. NGVD
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N = 781709	START TIME: 1435	DRILLER: EXMAR (M. CLARKE)
E = 411742	END TIME: 1439	CLIENT REP: MDA

CORE DIAMETER:	3.0"	ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP	REMARKS
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LENGTH OF BARREL:	11.5'					NO.
	31.5'	0.0				

PENETRATION DEPTH: 2.5'			
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LENGTH RECOVERED: 1.8'
PERCENT RECOVERED: 72 %

LENGTH RETAINED :	1.6'	32.7'	~	~	GRAY, FINE GRAIN SAND	20	0.60 mm
			~	~	WITH SHELL HASH	1.2'	2.2 % SILT

SUPPORT VESSEL: SEAHORSE

POSITIONING: TRISPONDER	34.0'	2.5	XXXX	ROCK

WEATHER:	
	BIT SAMPLE CONTAINED

<u>WIND:</u>				-	ROCK		
DIR: NE							

[illegible]

DIR: NE	5.0				
HEIGHT: 1 TO 3 Ft.					

[illegible]

ANALYSIS BY: MDA
DATE: MARCH 1993

<u>ANALYSIS METHOD:</u>				
VISUAL LOGGING				

MECHANICAL SIEVE	7.5				
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<p>SAND</p> 	<p>SHELLS</p> 							
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SHIT

ROCK

XXXX	10.0			
XXX				

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 #13
SAMPLE ELEV. (FT. NGVD): 31.80
SAMPLE DEPTH (FT.): 0.8
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 205.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 201.00

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	.30	.15	99.85
5	-2.0	4.000	6.10	2.97	97.03
7	-1.5	2.800	9.50	4.63	95.37
10	-1.0	2.000	14.95	7.29	92.71
14	-0.5	1.400	24.60	11.99	88.01
18	0.0	1.000	41.40	20.19	79.81
25	0.5	.710	71.60	34.91	65.09
35	1.0	.500	114.50	55.83	44.17
45	1.5	.355	150.10	73.18	26.82
60	2.0	.250	178.30	86.93	13.07
80	2.5	.180	192.95	94.08	5.92
120	3.0	.125	199.30	97.17	2.83
170	3.5	.090	200.50	97.76	2.24
200	3.75	.075	200.70	97.85	2.15
230	4.0	.063	202.90	98.93	1.07
PAN			205.00	99.95	.05

SIEVE LOSS (g):	.10	MEAN (PHI):	.74
MEDIAN (mm):	.551	MEAN (mm):	.597
SILT/CLAY:	2.15%	SORTING:	1.074
SKEWNESS:	-.503	KURTOSIS:	1.192

PHI(5): -1.43	PHI(16): -.26	PHI(25): .16
PHI(50): .86	PHI(75): 1.57	PHI(84): 1.89
PHI(95): 2.65		
COEFFICIENT OF CURVATURE :	1.014	
COEFFICIENT OF UNIFORMITY:	3.017	

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#13-S20.TAB

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

