

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-24

Coordinates:

N = 802787E = 429880Date: 12-3-90Start Time 0901

End Time _____

Water Depth 18.0' NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>		0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>8'</u>		1.3		GRAY, SILTY, FINE QUARTZ SAND w/ SHELL HASH	(1) 1.0' (-19)	SM
Length Recovered <u>4.5'</u>				WHITE-BROWN QUARTZ SAND (MED-FINE)	(2) 2.5' (-20.5)	SP-SM
Length Retained <u>4.5'</u>		3.5		WHITE-LIMEY CONSOLIDATED SHELL-ROCK		
Remarks:		4.5				
CONSOLIDATED SHELL ROCK IN BIT		5				
No SAMPLE KEPT.						
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRISponder</u>						
Positioning Remarks:						
		10				
Weather <u>CLEAR</u>						
Wind						
Dir: <u>SE</u>						
Est. Speed <u>10-15 KTS.</u>						
Waves						
Dir: <u>NW</u>						
Height <u>1'-2' CHOP</u>						
Current						
Dir: <u>SOUTH</u>		15				
Est. Speed: <u>N/A</u>						
Analysis By: <u>KEN JACKSON</u>						
Date: <u>DEC. 20-27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>		20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KDJ ON: DEC.1990

SAMPLE NO.: C-24
SAMPLE ELEV. (FT. NGVD): -19.0
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 213.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 194.20

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	10.40	4.88	95.12
7	-1.5	2.800	12.30	5.77	94.23
10	-1.0	2.000	15.00	7.03	92.97
14	-0.5	1.400	17.00	7.97	92.03
18	0.0	1.000	17.90	8.39	91.61
25	0.5	.710	19.00	8.91	91.09
35	1.0	.500	20.80	9.75	90.25
45	1.5	.355	22.10	10.36	89.64
60	2.0	.250	23.90	11.20	88.80
80	2.5	.180	28.60	13.41	86.59
120	3.0	.125	66.80	31.32	68.68
170	3.5	.090	165.30	77.50	22.50
200	3.75	.075	185.30	86.87	13.13
230	4.0	.063	201.95	94.68	5.32
PAN			213.30	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.202
MEDIAN (mm):	.109	SORTING:	.551
SILT/CLAY:	13.13%	KURTOSIS:	3.749
SKEWNESS:	-4.325		

PHI(5): -1.93	PHI(16): 2.57	PHI(25): 2.82
PHI(50): 3.20	PHI(75): 3.47	PHI(84): 3.67
PHI(95): 4.01		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC24A.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-24
SAMPLE ELEV. (FT. NGVD): -20.5
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 221.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 213.80

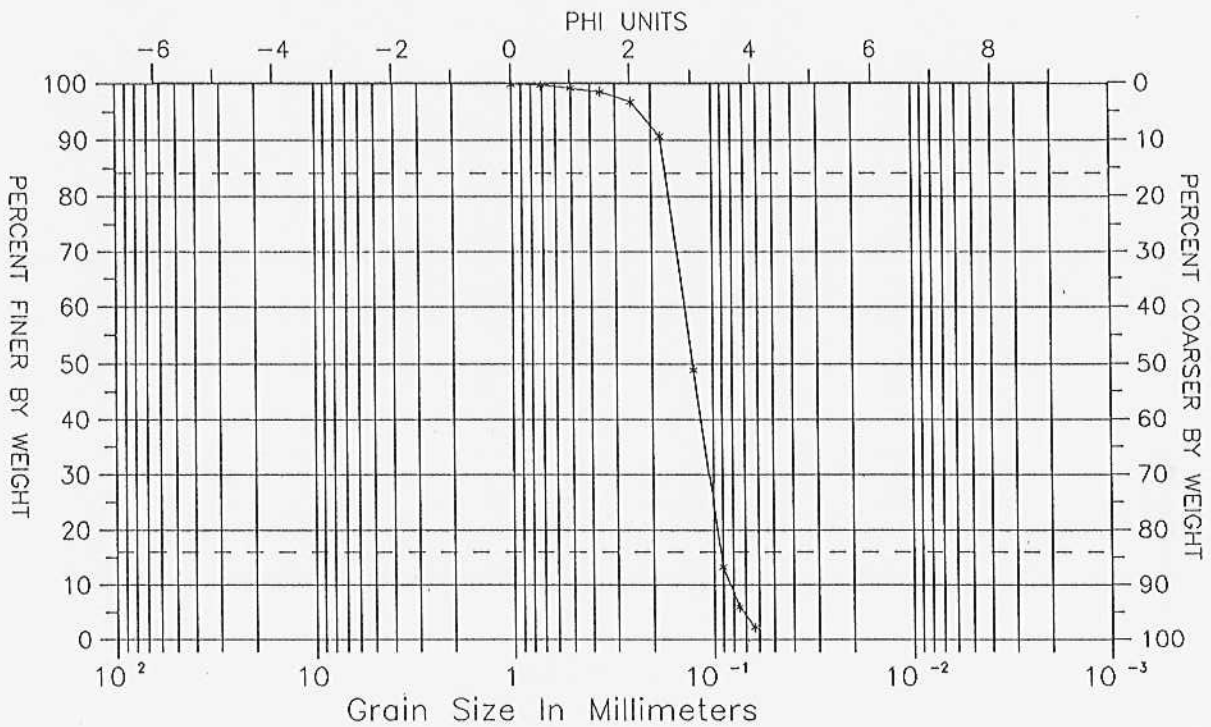
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.00	.00	100.00
10	-1.0	2.000	.00	.00	100.00
14	-0.5	1.400	.00	.00	100.00
18	0.0	1.000	.40	.18	99.82
25	0.5	.710	.70	.32	99.68
35	1.0	.500	1.80	.81	99.19
45	1.5	.355	3.20	1.44	98.56
60	2.0	.250	7.20	3.24	96.76
80	2.5	.180	20.70	9.33	90.67
120	3.0	.125	113.40	51.10	48.90
170	3.5	.090	192.50	86.75	13.25
200	3.75	.075	208.60	94.01	5.99
230	4.0	.063	216.95	97.77	2.23
PAN			221.80	99.95	.05

SIEVE LOSS(g):	.10	MEAN (mm):	.125
MEDIAN (mm):	.126	SORTING:	.441
SILT/CLAY:	5.99%	KURTOSIS:	1.058
SKEWNESS:	-.013		

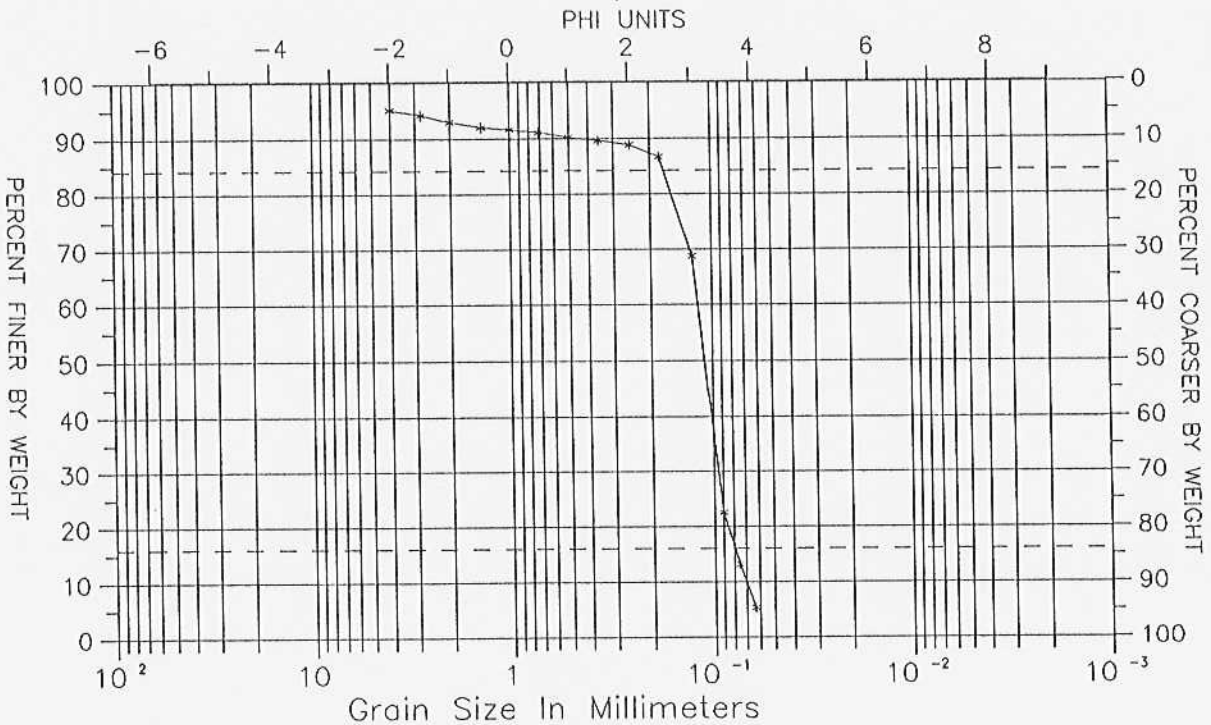
PHI(5):	2.14	PHI(16):	2.58	PHI(25):	2.69
PHI(50):	2.99	PHI(75):	3.34	PHI(84):	3.46
PHI(95):	3.82				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC24.TAB

CAPTIVA ISLAND
SAND SEARCH, PHASE 2
GRAIN SIZE DISTRIBUTION CURVE
CORE SAMPLE



CAPTIVA ISLAND
SAND SEARCH, PHASE 2
GRAIN SIZE DISTRIBUTION CURVE
CORE SAMPLE



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND					SILT	CLAY
		V. COAR.	COARSE	MEDIUM	FINE	V. FINE		

SAMPLE NO.

CLASSIFICATION

C-24	1.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.202	.109	.551	SM