

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-40</u>	
Coordinates:	Date: <u>12-4-90</u>	Water Depth <u>25</u> NGVD	
N = <u>787389.1</u>	Start Time <u>0926</u>	Driller <u>RODNEY MEYER</u>	
E = <u>420361.6</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-2.5	0				
Length of Barrel <u>20'</u>			m m m m	SHELL HASH w/	(1)	
Penetration Depth <u>9'</u>			m m m	SOME LIGHT GREY	0.6	SP
Length Recovered <u>4.2'</u>		1.6	m m m m	QUARTZ SAND	(25.6)	
Length Retained <u>4.2'</u>				GREY QUARTZ		
Remarks:				SAND	(2)	SP-SM
WHITE CONSOLIDATED SHELL ROCK		3.8			3.0	
IN BIT. NO SAMPLE KEPT	-29.2	4.2	m m m m	SHELL HASH w/ SOME	(28)	
		5	m m m	GREY FINE QUARTZ		
				SAND		
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>0-5 KTS</u>						
Waves						
Dir: <u>NW</u>						
Height <u>1'-2'</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>		20				
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-40
SAMPLE ELEV. (FT. NGVD): -25.6
SAMPLE DEPTH (FT.): 0.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 276.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 271.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	16.50	5.96	94.04
7	-1.5	2.800	24.30	8.78	91.22
10	-1.0	2.000	37.90	13.69	86.31
14	-0.5	1.400	55.90	20.19	79.81
18	0.0	1.000	73.40	26.51	73.49
25	0.5	.710	91.70	33.12	66.88
35	1.0	.500	111.70	40.34	59.66
45	1.5	.355	125.20	45.21	54.79
60	2.0	.250	145.60	52.58	47.42
80	2.5	.180	191.60	69.19	30.81
120	3.0	.125	254.90	92.05	7.95
170	3.5	.090	269.50	97.33	2.67
200	3.75	.075	271.10	97.91	2.09
230	4.0	.063	274.10	98.99	1.01
PAN			276.90	100.00	.00

SIEVE LOSS(g):	.00	
MEDIAN (mm):	.282	MEAN (mm): .504
SILT/CLAY:	2.09%	SORTING: 1.823
SKEWNESS:	-2.540	KURTOSIS: .813

PHI(5): -2.17	PHI(16): -.82	PHI(25): -.12
PHI(50): 1.82	PHI(75): 2.63	PHI(84): 2.82
PHI(95): 3.28		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC4006.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: C-40
SAMPLE ELEV. (FT. NGVD): -28
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

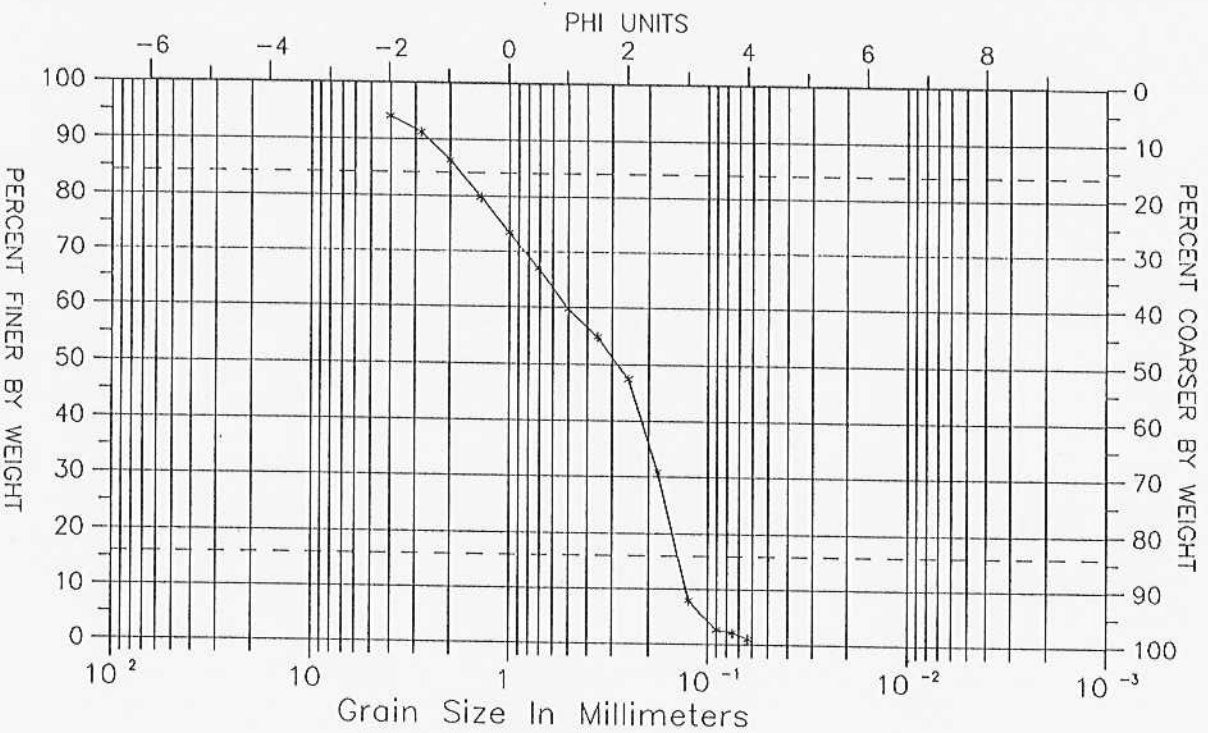
DRY SAMPLE WEIGHT (GRAMS): 300.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 276.70

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	.80	.27	99.73
10	-1.0	2.000	1.90	.63	99.37
14	-0.5	1.400	3.40	1.13	98.87
18	0.0	1.000	5.30	1.76	98.24
25	0.5	.710	7.60	2.53	97.47
35	1.0	.500	10.30	3.43	96.57
45	1.5	.355	13.10	4.36	95.64
60	2.0	.250	20.10	6.69	93.31
80	2.5	.180	36.00	11.98	88.02
120	3.0	.125	164.60	54.79	45.21
170	3.5	.090	251.40	83.69	16.31
200	3.75	.075	266.80	88.81	11.19
230	4.0	.063	284.85	94.82	5.18
PAN			300.40	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.131
MEDIAN (mm):	.130	SORTING:	.484
SILT/CLAY:	11.19%	KURTOSIS:	1.392
SKEWNESS:	-.244		

PHI(5): 1.64	PHI(16): 2.55	PHI(25): 2.65
PHI(50): 2.94	PHI(75): 3.35	PHI(84): 3.52
PHI(95): 4.01		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC403.TAB

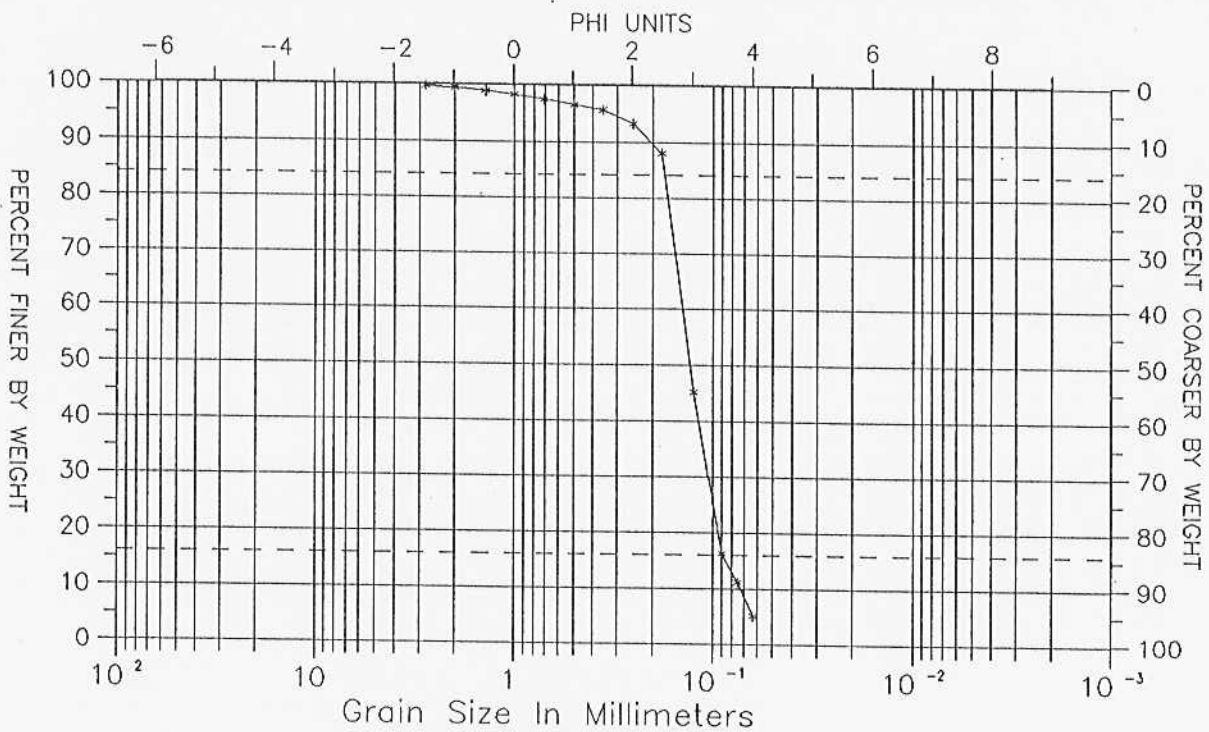


WENTWORTH CLASSIFICATION								
PEBBLE	GRAVEL	SAND					SILT	CLAY
		V. COAR.	COARSE	MEDIUM	FINE	V. FINE		

SAMPLE NO.		CLASSIFICATION			
C-40	0.6	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.504	.282	1.823	SP

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-40	3.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.131	.130	.484	SP-SM