

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-12</u>	
Coordinates:	Date: <u>12/2/90</u>	Water Depth <u>28'</u>	NGVD
N = <u>780400</u>	Start Time <u>1142</u>	Driller <u>RODNEY MEYER</u>	
E = <u>414682</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-28'	0		LIGHT GREY		
Length of Barrel <u>20'</u>				MED. FINE		
Penetration Depth <u>6'</u>				QUARTZ SAND	(1)	SP
Length Recovered <u>5'</u>				W/SOME	2.0	
Length Retained <u>5'</u>				SHELL HASH	(-30)	
Remarks:				WELL-GRADED		
LARGE PIECE OF CORAL IN BIT	-32'	4.0		SHELL HASH	(2)	
	-32.2'	4.2		LIGHT GREY MED.	4.6	SP
	-33'	5		FINE QUARTZ SAND	(-32.6)	
				- W/SHELL HASH		
				& SOME FRAG.		
Support Vessel <u>DANIELLE MARIE</u>		10				
Positioning System <u>TRISPONDER</u>						
Positioning Remarks:						
Weather <u>CLEAR</u>		15				
Wind Dir: <u>NE</u>						
Est. Speed <u>10-15 KTS.</u>						
Waves Dir: <u>NE</u>						
Height <u>1-2' CALM-CHOP</u>						
Current Dir: <u>SOUTH</u>						
Est. Speed: <u>N/A</u>						
Analysis By: <u>KEN JACKSON</u>		20				
Date: <u>DEC. 20-27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-12
SAMPLE ELEV. (FT. NGVD): -30
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 297.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 292.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	2.00	.67	99.33
7	-1.5	2.800	3.80	1.28	98.72
10	-1.0	2.000	10.50	3.53	96.47
14	-0.5	1.400	20.10	6.75	93.25
18	0.0	1.000	33.30	11.18	88.82
25	0.5	.710	51.20	17.19	82.81
35	1.0	.500	76.10	25.55	74.45
45	1.5	.355	107.00	35.93	64.07
60	2.0	.250	166.90	56.04	43.96
80	2.5	.180	243.10	81.63	18.37
120	3.0	.125	287.10	96.41	3.59
170	3.5	.090	291.90	98.02	1.98
200	3.75	.075	292.20	98.12	1.88
230	4.0	.063	294.95	99.04	.96
PAN			297.70	99.97	.03

SIEVE LOSS(g):	.10	MEAN (mm):	.378
MEDIAN (mm):	.277	SORTING:	1.090
SILT/CLAY:	1.88%	KURTOSIS:	1.087
SKEWNESS:	-1.518		

PHI(5):	-.77	PHI(16):	.40	PHI(25):	.97
PHI(50):	1.85	PHI(75):	2.37	PHI(84):	2.58
PHI(95):	2.95				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC12.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-12
SAMPLE ELEV. (FT. NGVD): -32.6
SAMPLE DEPTH (FT.): 4.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 281.35
SAMPLE WEIGHT AFTER WASH (GRAMS): 270.90

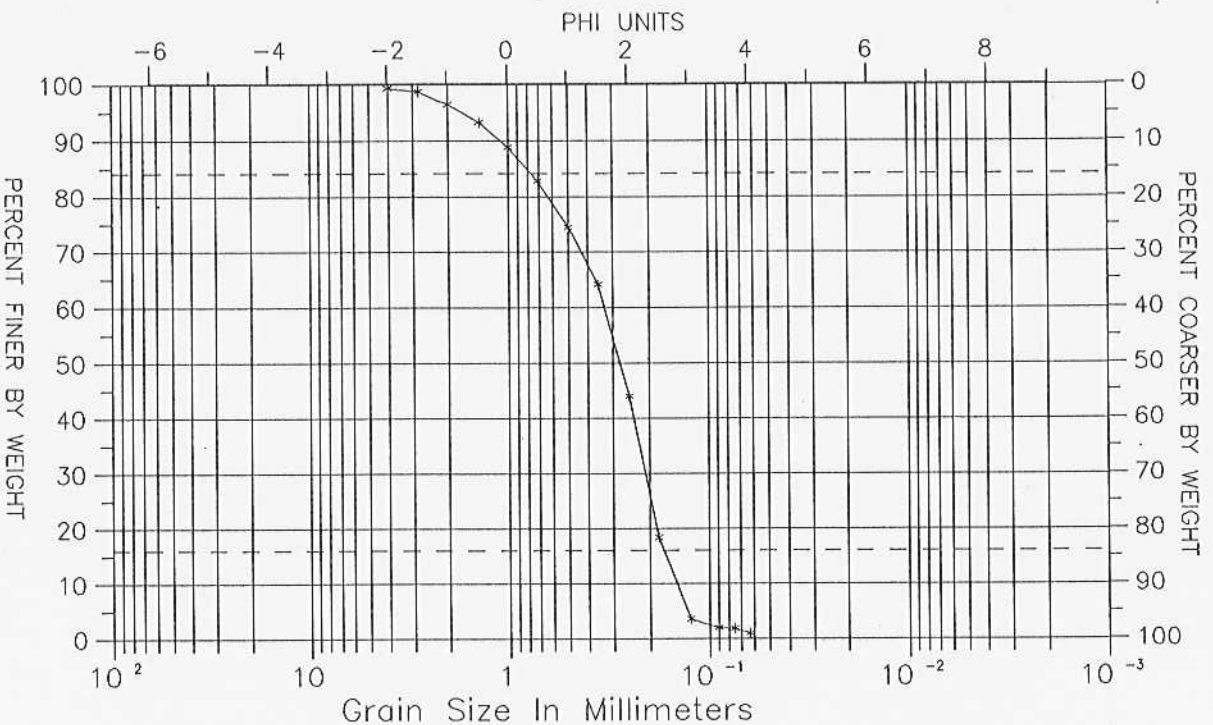
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	30.20	10.73	89.27
7	-1.5	2.800	38.20	13.58	86.42
10	-1.0	2.000	46.50	16.53	83.47
14	-0.5	1.400	52.10	18.52	81.48
18	0.0	1.000	56.20	19.98	80.02
25	0.5	.710	60.30	21.43	78.57
35	1.0	.500	65.50	23.28	76.72
45	1.5	.355	71.54	25.43	74.57
60	2.0	.250	91.60	32.56	67.44
80	2.5	.180	150.90	53.63	46.37
120	3.0	.125	244.90	87.04	12.96
170	3.5	.090	267.60	95.11	4.89
200	3.75	.075	270.30	96.07	3.93
230	4.0	.063	275.93	98.07	1.93
PAN			281.35	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.517
MEDIAN (mm):	.188	SORTING:	2.022
SILT/CLAY:	3.93%	KURTOSIS:	1.877
SKEWNESS:	-4.343		

PHI(5): -3.01	PHI(16): -1.09	PHI(25): 1.40
PHI(50): 2.41	PHI(75): 2.82	PHI(84): 2.95
PHI(95): 3.49		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC12A.TAB

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



WENTWORTH CLASSIFICATION

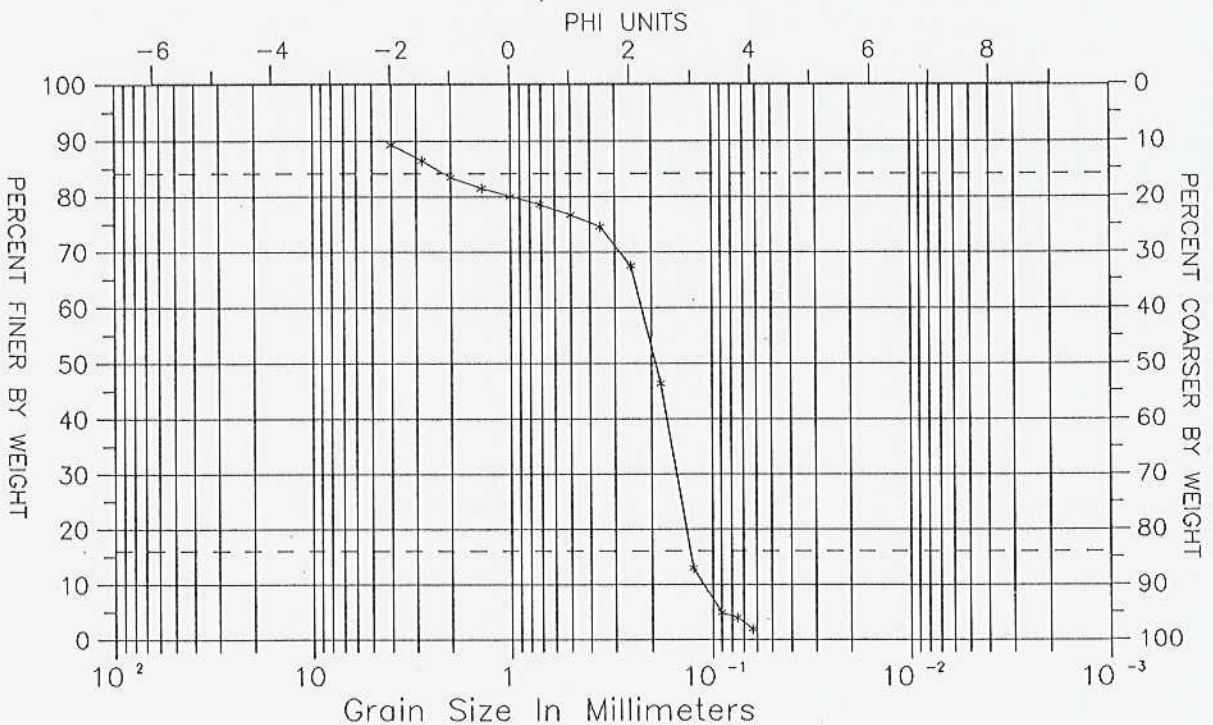
PEBBLE	GRAVEL	SAND					SILT	CLAY
		V. COAR.	COARSE	MEDIUM	FINE	V. FINE		

SAMPLE NO.

CLASSIFICATION

C-12	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.378	.277	1.090	SP

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-12	4.6	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.517	.188	2.022	SP