

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-29

Coordinates:

N = 804047E = 430765Date: 12-3-90Start Time 1247End Time Water Depth 8' NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-8	0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>15'</u>						
Length Recovered <u>14.2'</u>						
Length Retained <u>14.2'</u>						
Remarks: <u>CONSOLIDATED SHELL ROCK IN BIT.</u>	-11	3.0	mm mm mm mm mm mm mm mm mm mm mm mm mm mm	SHELL HASH w/ SOME TAN FINE QUARTZ SAND	(1) 2.5 (-10.5)	SP
Support Vessel <u>DANIELLE MARIE</u>		5	mm mm mm mm mm mm mm mm mm mm mm mm mm mm	GREY FINE QUARTZ SAND w/ SOME SHELL HASH	(2) 7.0 (-15)	SP
Positioning System <u>TRISPOUNDER</u>		10	mm mm mm mm mm mm mm mm mm mm mm mm mm mm	DARK GREY SILTY FINE QUARTZ SAND w/ SHELL HASH AND FRAGMENTS (3/4" MAX)		
Positioning Remarks:	-18	14.2				
Weather <u>CLEAR</u>	-22.2	15				
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>						
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-29
SAMPLE ELEV. (FT. NGVD): -10.5
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 251.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 248.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.10	.44	99.56
7	-1.5	2.800	1.80	.72	99.28
10	-1.0	2.000	4.00	1.59	98.41
14	-0.5	1.400	7.90	3.15	96.85
18	0.0	1.000	13.60	5.42	94.58
25	0.5	.710	21.90	8.73	91.27
35	1.0	.500	34.60	13.78	86.22
45	1.5	.355	48.40	19.28	80.72
60	2.0	.250	83.10	33.11	66.89
80	2.5	.180	166.70	66.41	33.59
120	3.0	.125	239.70	95.50	4.50
170	3.5	.090	248.10	98.84	1.16
200	3.75	.075	248.40	98.96	1.04
230	4.0	.063	249.70	99.48	.52
PAN			251.00	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.281
MEDIAN (mm):	.210	SORTING:	.800
SILT/CLAY:	1.04%	KURTOSIS:	1.343
SKEWNESS:	-1.608		

PHI(5):	-.09	PHI(16):	1.20	PHI(25):	1.71
PHI(50):	2.25	PHI(75):	2.65	PHI(84):	2.80
PHI(95):	2.99				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC2925.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-29
SAMPLE ELEV. (FT. NGVD): -15
SAMPLE DEPTH (FT.): 7.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 239.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 233.40

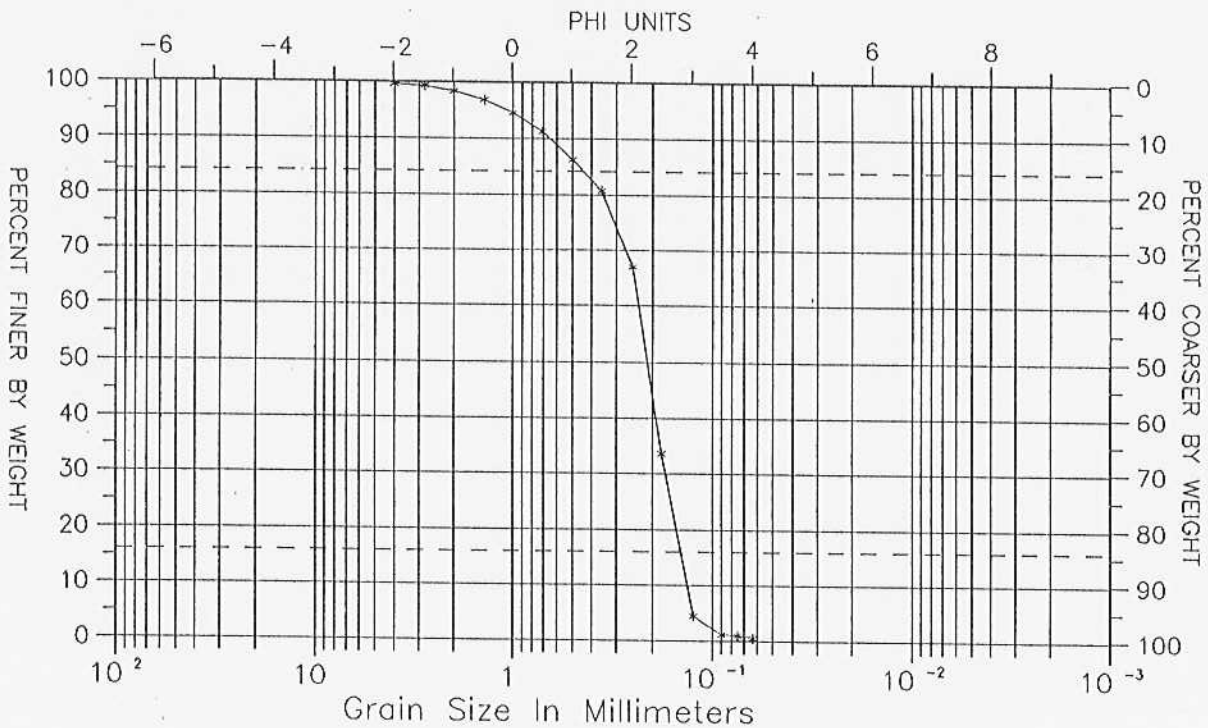
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.70	.29	99.71
10	-1.0	2.000	1.30	.54	99.46
14	-0.5	1.400	1.80	.75	99.25
18	0.0	1.000	2.00	.84	99.16
25	0.5	.710	2.50	1.05	98.95
35	1.0	.500	3.20	1.34	98.66
45	1.5	.355	3.60	1.51	98.49
60	2.0	.250	6.10	2.55	97.45
80	2.5	.180	42.60	17.82	82.18
120	3.0	.125	196.40	82.14	17.86
170	3.5	.090	228.60	95.61	4.39
200	3.75	.075	232.40	97.20	2.80
230	4.0	.063	236.05	98.72	1.28
PAN			239.10	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.147
MEDIAN (mm):	.149	SORTING:	.314
SILT/CLAY:	2.80%	KURTOSIS:	1.473
SKEWNESS:	.057		

PHI(5):	2.08	PHI(16):	2.44	PHI(25):	2.56
PHI(50):	2.75	PHI(75):	2.94	PHI(84):	3.07
PHI(95):	3.48				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC297.TAB

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



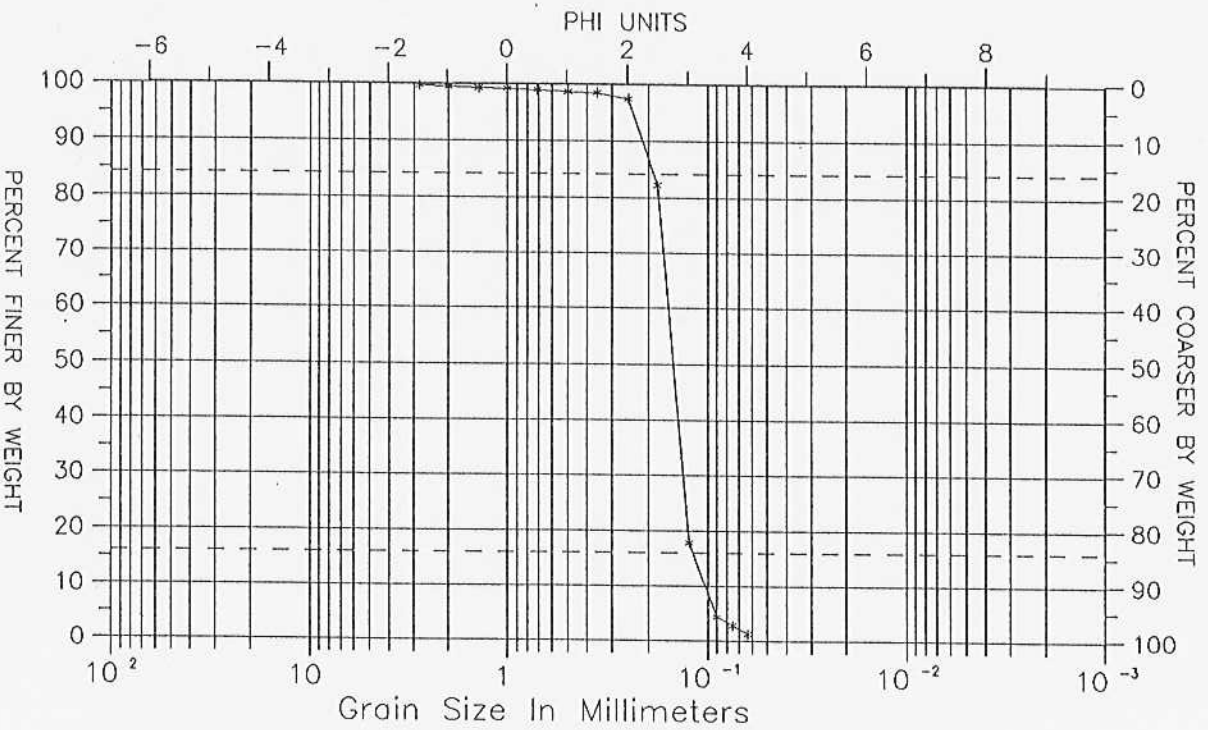
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-29 2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.281	.210	.800	SP



WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-29	7.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.147	.149	.314	SP

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