

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-30</u>	
Coordinates:	Date: <u>12.3.90</u>	Water Depth <u>11</u> NGVD	
N = <u>804852</u>	Start Time <u>1217</u>	Driller <u>RODNEY MEYER</u>	
E = <u>430153</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-11	0		LIGHT TAN MED-FINE QUARTZ SAND W/SHELL HASH	(1) 2.0 (-13)	SP
Length of Barrel <u>20'</u>						
Penetration Depth <u>13'</u>						
Length Recovered <u>12.1'</u>						
Length Retained <u>12.1'</u>						
Remarks:						
Support Vessel <u>DANIELLE MARIE</u>	-16	5		WHITE FINE QUARTZ SAND	(2) 6.0 (-17)	SP
Positioning System <u>TRISPOUNDER</u>						
Positioning Remarks:						
		7.2		GREY SILT LAYER		
		7.3				
		7.6		WHITE FINE QUARTZ SAND		
				DARK GREY SILTY FINE QUARTZ SAND W/SHELL HASH & FRAG.		
Weather <u>CLEAR</u>	-21	10				
Wind						
Dir: <u>SE</u>						
Est. Speed <u>10-15 KTS.</u>	-23.1	11.4		GREY-WHITE CONSOLIDATED SHELL ROCK		
Waves		12.1				
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: KCJ ON: DEC.1990

SAMPLE NO.: C-30
SAMPLE ELEV. (FT. NGVD): -13.0
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 272.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 270.10

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	.40	.15	99.85
10	-1.0	2.000	1.40	.51	99.49
14	-0.5	1.400	4.00	1.47	98.53
18	0.0	1.000	9.50	3.48	96.52
25	0.5	.710	21.40	7.85	92.15
35	1.0	.500	45.10	16.54	83.46
45	1.5	.355	72.10	26.45	73.55
60	2.0	.250	134.10	49.19	50.81
80	2.5	.180	217.90	79.93	20.07
120	3.0	.125	263.90	96.81	3.19
170	3.5	.090	269.70	98.94	1.06
200	3.75	.075	269.90	99.01	.99
230	4.0	.063	271.25	99.50	.50
PAN			272.60	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.298
MEDIAN (mm):	.248	SORTING:	.826
SILT/CLAY:	.99%	KURTOSIS:	1.145
SKENNESS:	-.906		

PHI(5):	.17	PHI(16):	.97	PHI(25):	1.43
PHI(50):	2.01	PHI(75):	2.42	PHI(84):	2.62
PHI(95):	2.95				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C302.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-30
SAMPLE ELEV. (FT. NGVD): -17
SAMPLE DEPTH (FT.): 6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

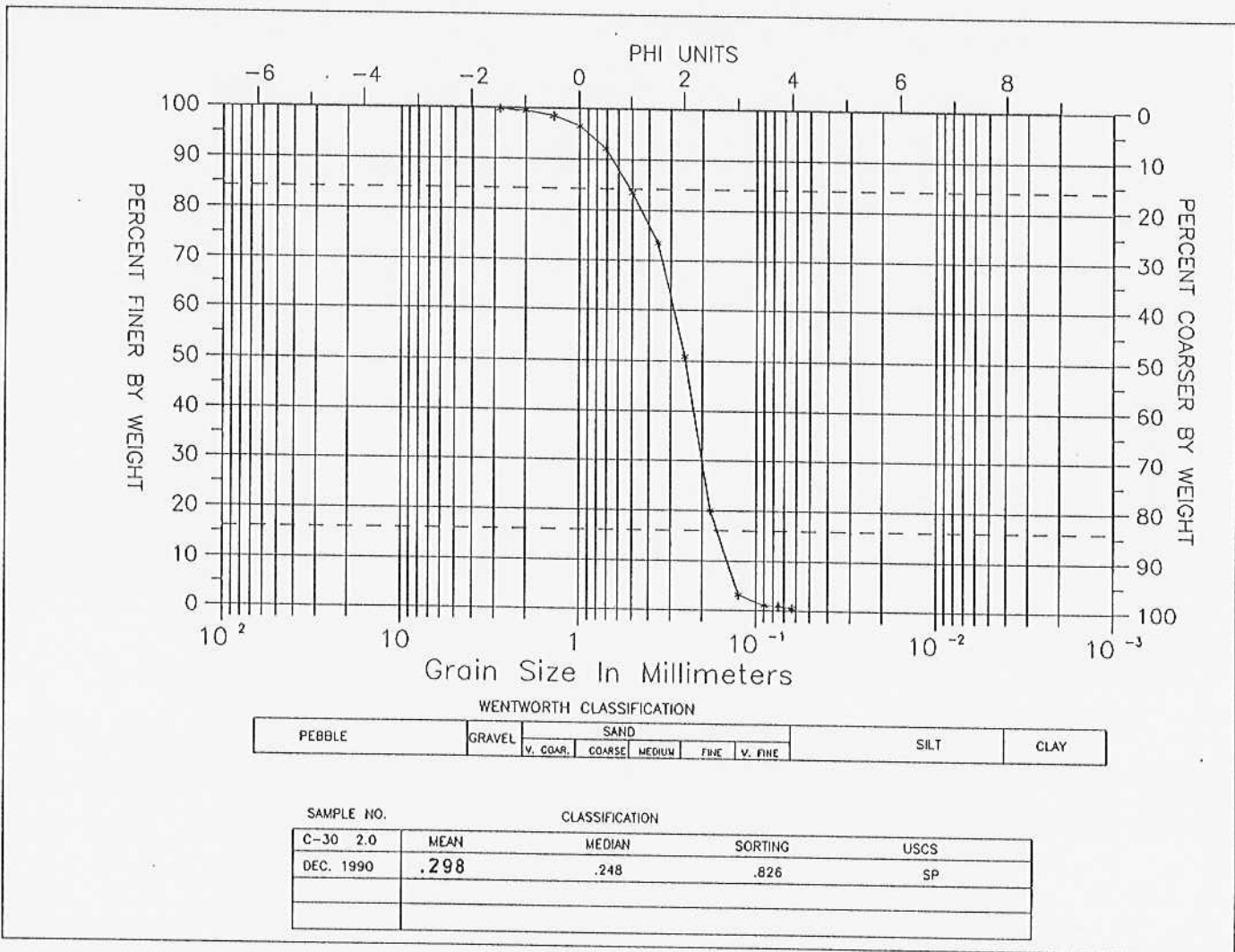
DRY SAMPLE WEIGHT (GRAMS): 295.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 290.10

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	.80	.27	99.73
18	0.0	1.000	1.10	.37	99.63
25	0.5	.710	1.70	.58	99.42
35	1.0	.500	2.50	.85	99.15
45	1.5	.355	3.60	1.22	98.78
60	2.0	.250	8.60	2.91	97.09
80	2.5	.180	73.00	24.70	75.30
120	3.0	.125	254.30	86.03	13.97
170	3.5	.090	283.50	95.91	4.09
200	3.75	.075	289.10	97.80	2.20
230	4.0	.063	292.65	99.00	1.00
PAN			295.60	100.00	.00

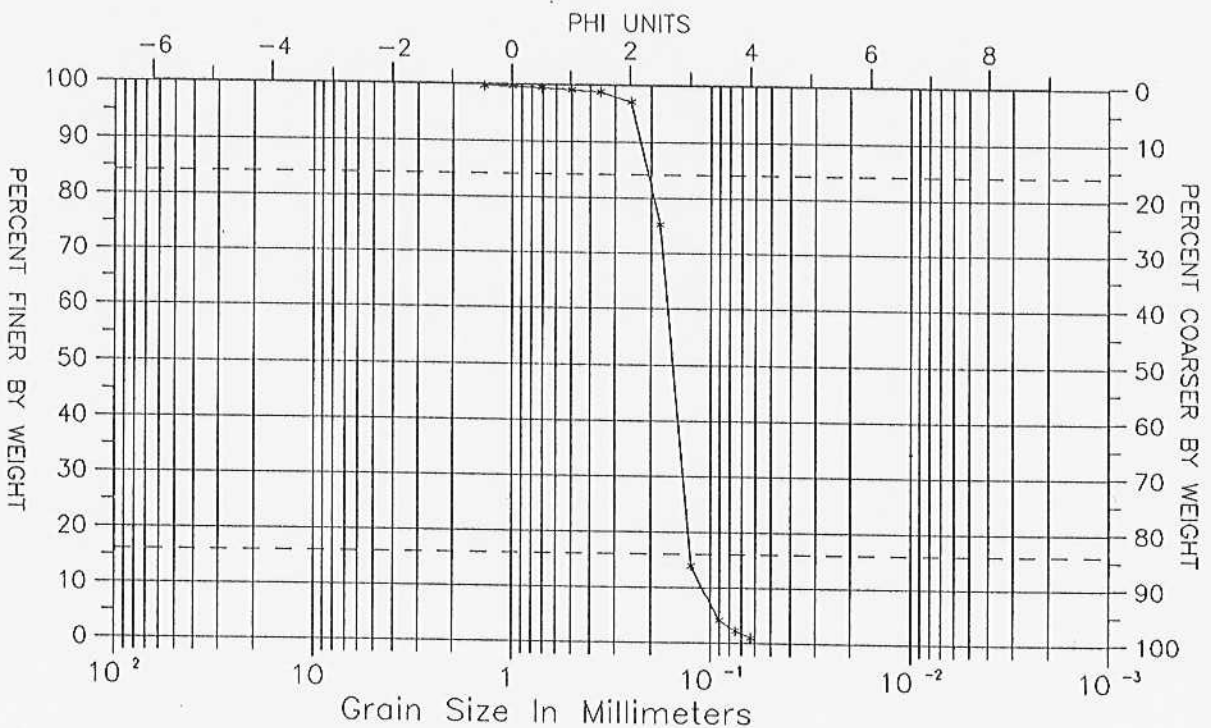
SIEVE LOSS(g):	.00	MEAN (mm):	.154
MEDIAN (mm):	.153	SORTING:	.342
SILT/CLAY:	2.20%	KURTOSIS:	1.414
SKEWNESS:	.090		

PHI(5): 2.05	PHI(16): 2.30	PHI(25): 2.50
PHI(50): 2.71	PHI(75): 2.91	PHI(84): 2.98
PHI(95): 3.45		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC306.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-30	6.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.154	.153	.342	SP