

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-43</u>	
Coordinates:	Date: <u>12-4-90</u>	Water Depth <u>23</u>	NGVD
N = <u>785572.2</u>	Start Time <u>1043</u>	Driller <u>RODNEY MEYER</u>	
E = <u>419415.5</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>9.5'</u> Length Recovered <u>8.8'</u> Length Retained <u>8.8'</u> Remarks: <u>GREY, SILTY, FINE SAND w/ SHELL</u> <u>IN BIT. NO SAMPLE KEPT.</u>	-23	0				
		5		LIGHT GREY MED-FINE QUARTZ SAND	(1) 2.0 (-25)	SP
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRIPUNDER</u> Positioning Remarks:					(2) 6.5 (-29.5)	SP-SM
	-31.8	8.6 8.8		LIGHT GREY FINE SAND w/ SHELL WASH		
		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> Est. Speed: <u>N/A</u>		15				
		20				
Analysis By: <u>KEN JACKSON</u> 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-43
SAMPLE ELEV. (FT. NGVD): -25.0
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 299.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 294.60

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.30	.43	99.57
7	-1.5	2.800	1.90	.63	99.37
10	-1.0	2.000	3.10	1.03	98.97
14	-0.5	1.400	4.90	1.64	98.36
18	0.0	1.000	7.30	2.44	97.56
25	0.5	.710	10.40	3.47	96.53
35	1.0	.500	13.80	4.61	95.39
45	1.5	.355	16.30	5.44	94.56
60	2.0	.250	26.30	8.78	91.22
80	2.5	.180	115.20	38.45	61.55
120	3.0	.125	269.30	89.89	10.11
170	3.5	.090	290.60	97.00	3.00
200	3.75	.075	293.10	97.83	2.17
230	4.0	.063	296.65	99.02	.98
PAN			299.40	99.93	.07

SIEVE LOSS(g):	.20		
MEDIAN (mm):	.164	MEAN (mm):	.182
SILT/CLAY:	2.17%	SORTING:	.411
SKEWNESS:	-.629	KURTOSIS:	1.496

PHI(5):	1.24	PHI(16):	2.12	PHI(25):	2.27
PHI(50):	2.61	PHI(75):	2.86	PHI(84):	2.94
PHI(95):	3.36				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC432.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-43
SAMPLE ELEV. (FT. NGVD): -29.5
SAMPLE DEPTH (FT.): 6.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 210.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 199.90

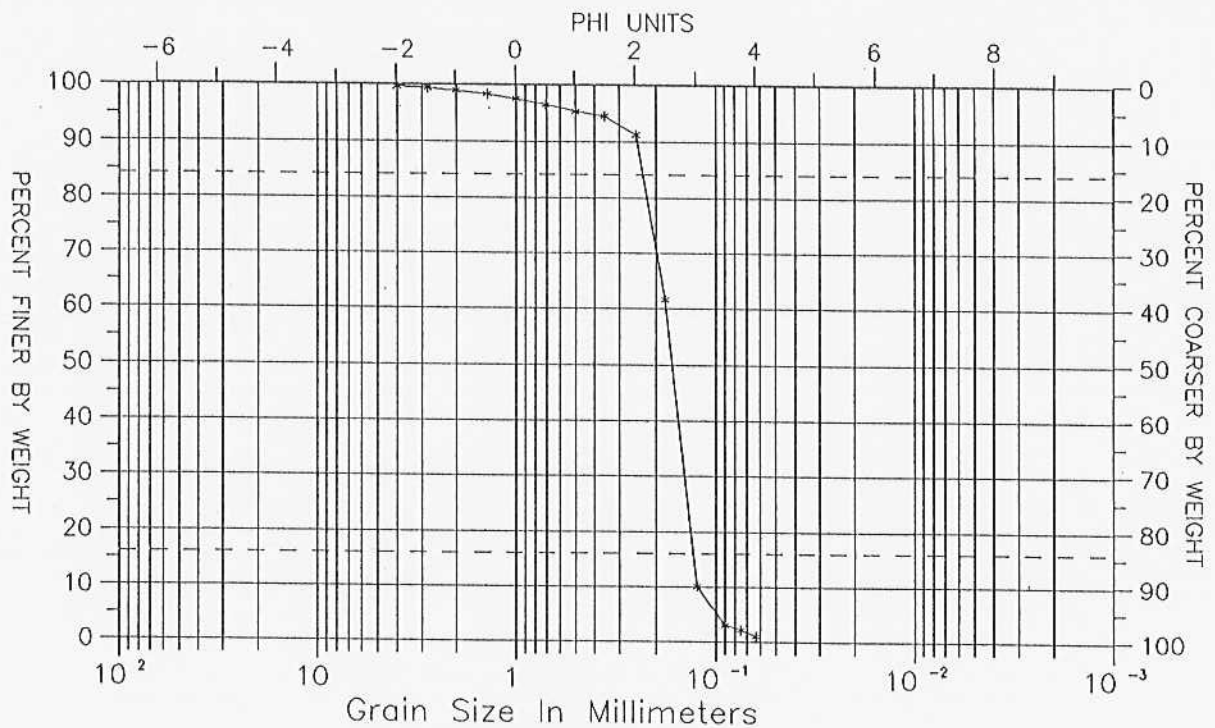
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	1.00	.47	99.53
10	-1.0	2.000	1.40	.66	99.34
14	-0.5	1.400	2.20	1.04	98.96
18	0.0	1.000	2.60	1.23	98.77
25	0.5	.710	3.40	1.61	98.39
35	1.0	.500	4.60	2.18	97.82
45	1.5	.355	6.60	3.13	96.87
60	2.0	.250	12.30	5.83	94.17
80	2.5	.180	31.60	14.98	85.02
120	3.0	.125	140.40	66.57	33.43
170	3.5	.090	189.20	89.71	10.29
200	3.75	.075	196.40	93.12	6.88
230	4.0	.063	204.50	96.97	3.03
PAN			210.90	100.00	.00

SIEVE LOSS(g):	.00	
MEDIAN (mm):	.140	MEAN (mm): .135
SILT/CLAY:	6.88%	SORTING: .433
SKEWNESS:	.039	KURTOSIS: 1.419

PHI(5): 1.85	PHI(16): 2.51	PHI(25): 2.60
PHI(50): 2.84	PHI(75): 3.18	PHI(84): 3.38
PHI(95): 3.87		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC4365.TAB

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



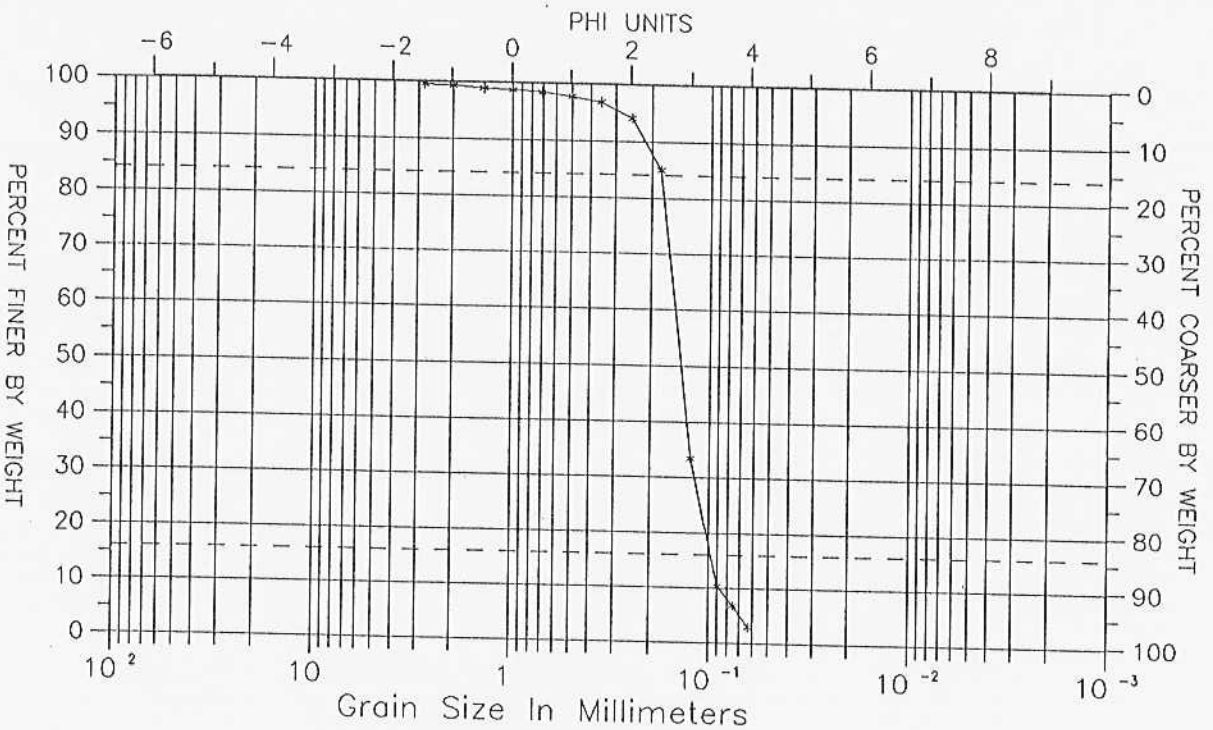
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-43	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.182	.164	.411	SP



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

SAMPLE NO.		CLASSIFICATION			
C-43	6.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.135	.140	.433	SP-SM

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