

VIBRACORE LOG

Project: <u>CAPTIVA ISLAND, PHASE II</u>		Core No: <u>C-26</u>	
Coordinates:	Date: <u>12-3-90</u>	Water Depth <u>9</u> NGVD	
N = <u>806275</u>	Start Time <u>0944</u>	Driller <u>RODNEY MEYER</u>	
E = <u>429680</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	<u>-9</u>	<u>0</u>			(1) 0.4 (-9.4)	SP
Length of Barrel <u>20'</u>						
Penetration Depth <u>15'</u>						
Length Recovered <u>12.7'</u>						
Length Retained <u>12.7'</u>						
Remarks:						
		5		LIGHT GREY MED.-FINE QUARTZ SAND	(2) 4.5 (-13.5)	SP
Support Vessel <u>DANIELLE MARIE</u>		6.0		LIGHT GREY MED. QUARTZ SAND w/ SHELL HASH	(3) 6.8 (-15.8)	SP
Positioning System <u>TRISPOUNDER</u>		7.0		LIGHT GREY FINE QUARTZ SAND		
Positioning Remarks:		9.0		LIGHT GREY SILTY FINE SAND w/ SHELL FRAG.		
		10				
Weather <u>CLEAR</u>		11.0		GREY SILTY FINE QUARTZ SAND		
Wind _____		11.4				
Dir: <u>SE</u>		12.7		LIGHT GREY SILTY FINE QUARTZ SAND *CONSOLIDATED SHELL ROCK		
Est. Speed <u>10-15 KTS.</u>						
Waves _____						
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 DN: DEC.1990

SAMPLE NO.: C-26
SAMPLE ELEV. (FT. NGVD): -9.4
SAMPLE DEPTH (FT.): 0.4
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 202.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.45

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	1.20	.59	99.41
18	0.0	1.000	3.20	1.58	98.42
25	0.5	.710	9.40	4.64	95.36
35	1.0	.500	26.30	12.99	87.01
45	1.5	.355	53.80	26.57	73.43
60	2.0	.250	131.90	65.14	34.86
80	2.5	.180	185.50	91.60	8.40
120	3.0	.125	199.20	98.37	1.63
170	3.5	.090	200.10	98.81	1.19
200	3.75	.075	200.15	98.84	1.16
230	4.0	.063	201.17	99.35	.65
PAN			202.25	99.88	.12

SIEVE LOSS(g):	.25	MEAN (mm):	.306
MEDIAN (mm):	.286	SORTING:	.623
SILT/CLAY:	1.16%	KURTOSIS:	1.228
SKEWNESS:	-.335		

PHI(5):	.52	PHI(16):	1.11	PHI(25):	1.44
PHI(50):	1.80	PHI(75):	2.19	PHI(84):	2.36
PHI(95):	2.75				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC26.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-26
SAMPLE ELEV. (FT. NGVD): -13.5
SAMPLE DEPTH (FT.): 4.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 164.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 162.30

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	.60	.36	99.64
18	0.0	1.000	1.10	.67	99.33
25	0.5	.710	1.85	1.12	98.88
35	1.0	.500	3.40	2.06	97.94
45	1.5	.355	5.90	3.58	96.42
60	2.0	.250	18.27	11.09	88.91
80	2.5	.180	70.90	43.05	56.95
120	3.0	.125	147.95	89.83	10.17
170	3.5	.090	161.40	98.00	2.00
200	3.75	.075	161.95	98.33	1.67
230	4.0	.063	163.25	99.12	.88
PAN			164.55	99.91	.09

SIEVE LOSS(g):	.15	MEAN (mm):	.177
MEDIAN (mm):	.168	SORTING:	.430
SILT/CLAY:	1.67%	KURTOSIS:	1.131
SKEWNESS:	-.238		

PHI(5):	1.59	PHI(16):	2.08	PHI(25):	2.22
PHI(50):	2.57	PHI(75):	2.84	PHI(84):	2.94
PHI(95):	3.32				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC26A.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-26
SAMPLE ELEV. (FT. NGVD): -15.8
SAMPLE DEPTH (FT.): 6.8
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 252.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 249.60

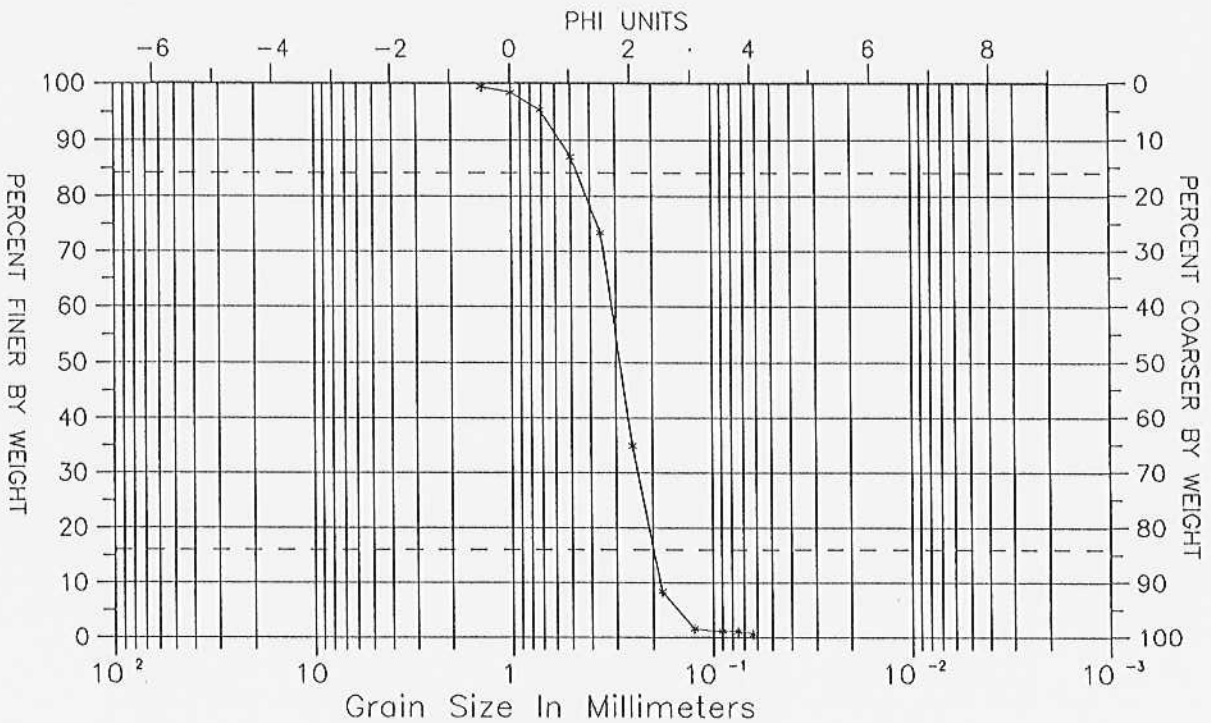
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	2.60	1.03	98.97
7	-1.5	2.800	7.70	3.04	96.96
10	-1.0	2.000	16.00	6.33	93.67
14	-0.5	1.400	32.60	12.89	87.11
18	0.0	1.000	51.30	20.28	79.72
25	0.5	.710	77.70	30.72	69.28
35	1.0	.500	107.80	42.63	57.37
45	1.5	.355	131.70	52.08	47.92
60	2.0	.250	179.50	70.98	29.02
80	2.5	.180	223.20	88.26	11.74
120	3.0	.125	245.20	96.96	3.04
170	3.5	.090	248.90	98.42	1.58
200	3.75	.075	249.20	98.54	1.46
230	4.0	.063	251.05	99.27	.73
PAN			252.90	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.489
MEDIAN (mm):	.382	SORTING:	1.333
SILT/CLAY:	1.46%	KURTOSIS:	.887
SKEWNESS:	-1.095		

PHI(5): -1.20	PHI(16): -.29	PHI(25): .23
PHI(50): 1.39	PHI(75): 2.12	PHI(84): 2.38
PHI(95): 2.69		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC26B.TAB

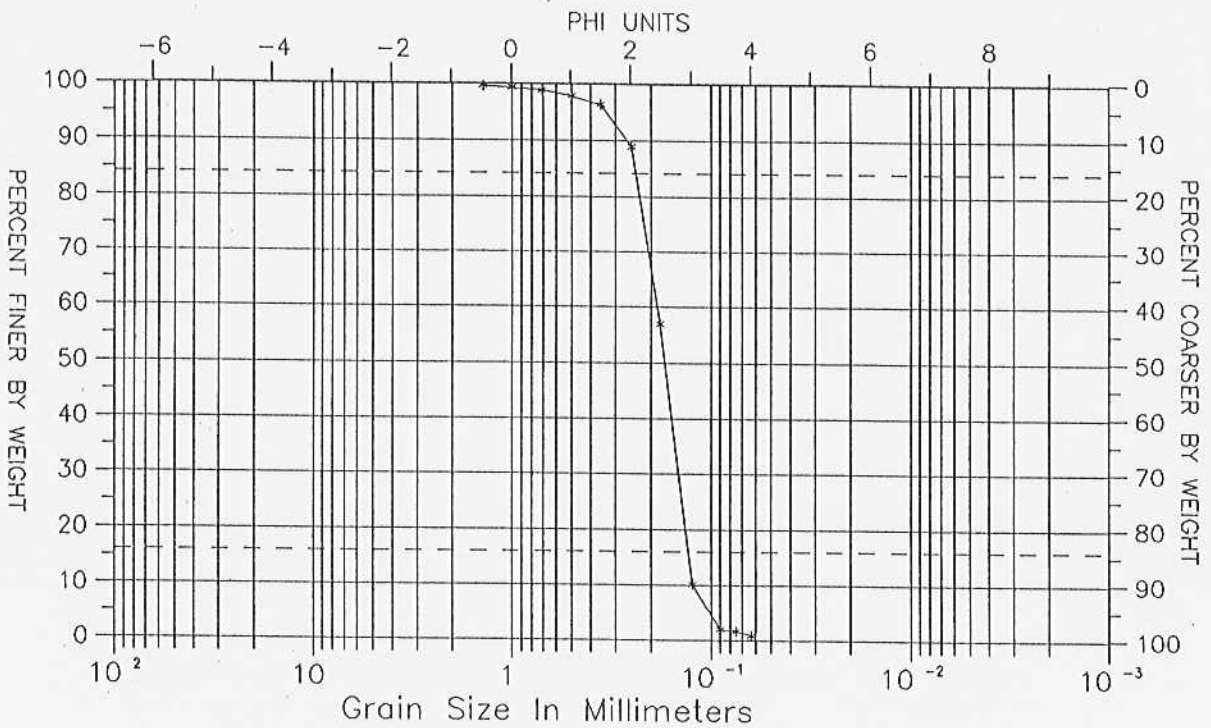
CAPTIVA ISLAND
SAND SEARCH, PHASE 2
GRAIN SIZE DISTRIBUTION CURVE
CORE SAMPLE



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

SAMPLE NO.		CLASSIFICATION			
C-26	0.4	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.306	.286	.623	SP

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



WENTWORTH CLASSIFICATION

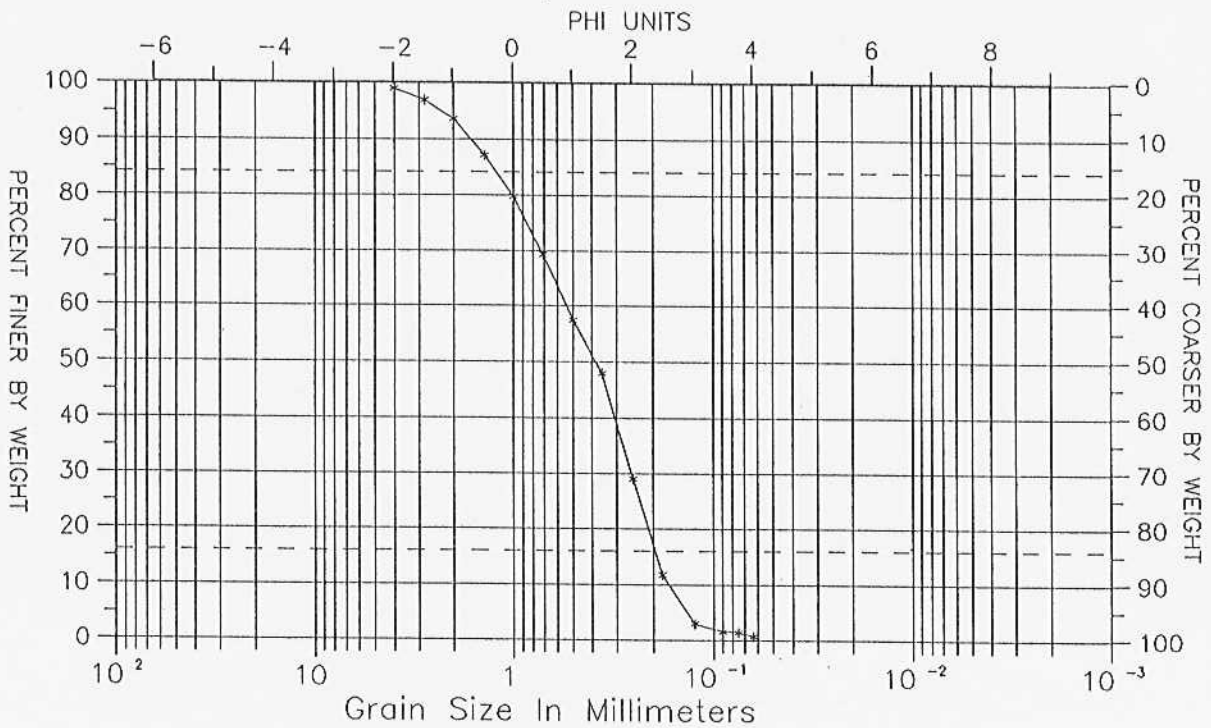
PEBBLE	GRAVEL	SAND					SILT	CLAY
		V. COAR.	COARSE	MEDIUM	FINE	V. FINE		

SAMPLE NO.

CLASSIFICATION

SAMPLE NO.	MEAN	MEDIAN	SORTING	USCS
C-26 4.5				
DEC. 1990	.177	.168	.430	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-26	6.8	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.489		.382	1.333	SP