

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE IICore No: C-49

Coordinates:

N = 782607.1E = 412284.6Date: 12-6-90Start Time 1126

End Time

Water Depth 30 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-30	0				
Length of Barrel <u>20'</u>			m m m m	SHELL HASH MT	(1)	
Penetration Depth <u>4'</u>			m m m m	SOME QUARTZ	0.8	SP
Length Recovered <u>2.9'</u>			m m m m	FINE SAND, DARK	(-30.8)	
Length Retained <u>2.9'</u>			m m m m	GREY		
Remarks:		1.7		TAN FINE QUARTZ	(2)	
		2.2		SAND SOME SHELL	2.0	SP
		2.4		SHELL HASH	(-32)	
		2.9				
Remarks:	-32.9			TAN FINE		
				QUARTZ SAND		
Support Vessel <u>DANIELLE MARIE</u>		5				
Positioning						
System <u>TRIPUNDER</u>						
Positioning Remarks:						
		10				
Weather <u>CLEAR</u>						
Wind						
Dir: <u>NE</u>						
Est. Speed <u>10-15 KTS</u>						
Waves						
Dir: <u>W N W</u>						
Height <u>2' - 4'</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-49
SAMPLE ELEV. (FT. NGVD): -30.8
SAMPLE DEPTH (FT.): 0.8
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 310.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 305.40

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.10	.35	99.65
7	-1.5	2.800	2.80	.90	99.10
10	-1.0	2.000	5.40	1.74	98.26
14	-0.5	1.400	9.60	3.09	96.91
18	0.0	1.000	15.10	4.86	95.14
25	0.5	.710	26.20	8.43	91.57
35	1.0	.500	47.40	15.25	84.75
45	1.5	.355	73.00	23.49	76.51
60	2.0	.250	121.00	38.93	61.07
80	2.5	.180	227.80	73.29	26.71
120	3.0	.125	294.40	94.72	5.28
170	3.5	.090	303.30	97.59	2.41
200	3.75	.075	304.60	98.01	1.99
230	4.0	.063	307.90	99.07	.93
PAN			310.80	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.286
MEDIAN (mm):	.224	SORTING:	.852
SILT/CLAY:	1.99%	KURTOSIS:	1.253
SKEWNESS:	-1.254		

PHI(5):	.02	PHI(16):	1.05	PHI(25):	1.55
PHI(50):	2.16	PHI(75):	2.54	PHI(84):	2.75
PHI(95):	3.05				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC4908.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-49
SAMPLE ELEV. (FT. NGVD): -32.0
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 252.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 246.60

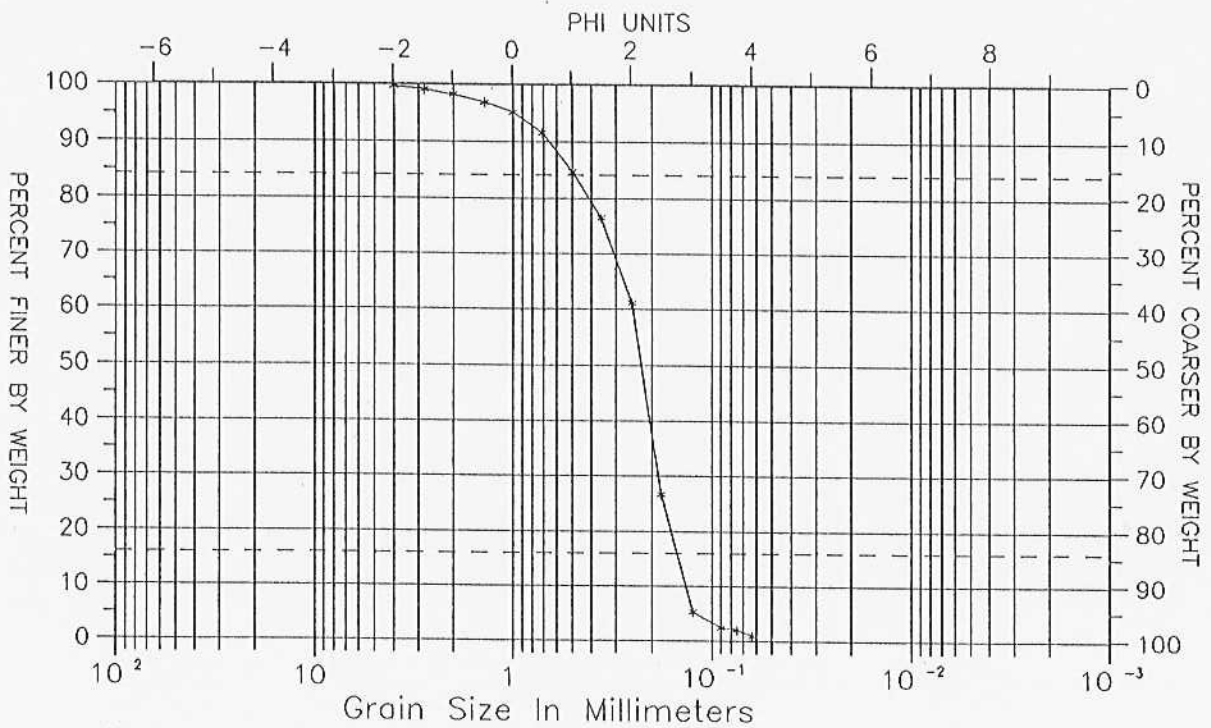
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	3.10	1.23	98.77
10	-1.0	2.000	4.90	1.94	98.06
14	-0.5	1.400	8.00	3.17	96.83
18	0.0	1.000	11.80	4.68	95.32
25	0.5	.710	17.60	6.98	93.02
35	1.0	.500	26.40	10.47	89.53
45	1.5	.355	35.00	13.88	86.12
60	2.0	.250	55.10	21.85	78.15
80	2.5	.180	138.60	54.96	45.04
120	3.0	.125	231.10	91.63	8.37
170	3.5	.090	244.50	96.95	3.05
200	3.75	.075	246.30	97.66	2.34
230	4.0	.063	249.30	98.85	1.15
PAN			252.20	100.00	.00

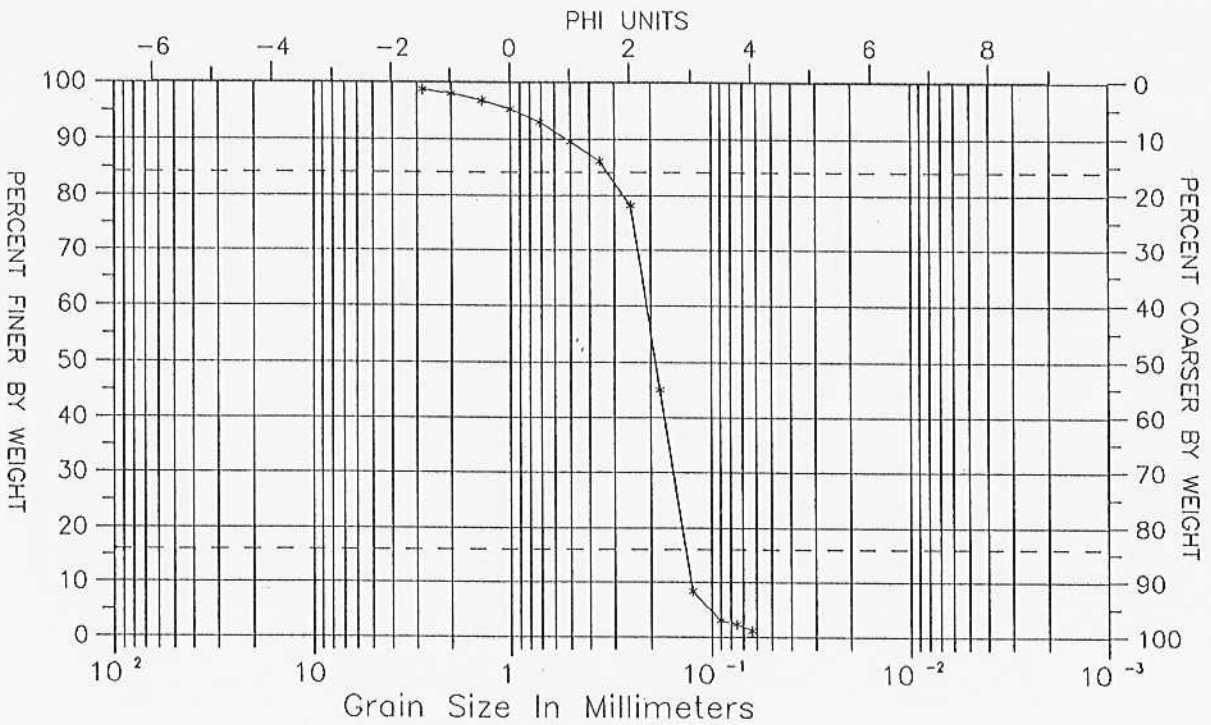
SIEVE LOSS(g):	.00		
MEDIAN (mm):	.186	MEAN (mm):	.238
SILT/CLAY:	2.34%	SORTING:	.631
SKEWNESS:	-1.464	KURTOSIS:	1.834

PHI(5):	.07	PHI(16):	1.63	PHI(25):	2.05
PHI(50):	2.43	PHI(75):	2.77	PHI(84):	2.90
PHI(95):	3.32				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC49.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-49	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.238	.186	.631	SP

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