

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-45

Coordinates:

N = 780401.5E = 414920.2Date: 12-6-90Start Time 0958

End Time _____

Water Depth 26 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

Core Diam. 3"
 Length of Barrel 20'
 Penetration Depth 5.5
 Length Recovered 3.8'
 Length Retained 3.8'
 Remarks:

Support Vessel DANIELLE MARIE
 Positioning
 System TRIPUNDER
 Positioning Remarks:

Weather CLEAR
 Wind
 Dir: NE
 Est. Speed 10-15 KTS
 Waves
 Dir: WNW
 Height 2'-4'
 Current
 Dir: SOUTH
 Est. Speed: N/A

Analysis By: KEN JACKSON
 Date: DEC. 20-27, 1990
 Analysis Method:
VISUAL LOG
MECHANICAL SIEVE

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-26	0				
	1.3		GREY MED-COARSE QUARTZ SAND w/SOME SHELL HASH	(1) 1.0 (-27)	SP
	3.5		LIGHT GREY MED-FINE QUARTZ SAND w/SOME SHELL HASH	(2) 2.5 (-28.5)	SP
-29.8	3.8		DARK GREY CONSOLIDATED SHELL ROCK		
	5				
	10				
	15				
	20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.6,1990

SAMPLE NO.: C-45
SAMPLE ELEV. (FT. NGVD): -27.0
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 259.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 253.00

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.50	.19	99.81
7	-1.5	2.800	2.00	.77	99.23
10	-1.0	2.000	4.60	1.77	98.23
14	-0.5	1.400	9.40	3.62	96.38
18	0.0	1.000	14.80	5.71	94.29
25	0.5	.710	22.90	8.83	91.17
35	1.0	.500	34.30	13.22	86.78
45	1.5	.355	48.30	18.62	81.38
60	2.0	.250	86.60	33.38	66.62
80	2.5	.180	183.00	70.55	29.45
120	3.0	.125	243.70	93.95	6.05
170	3.5	.090	252.00	97.15	2.85
200	3.7	.075	252.80	97.46	2.54
230	4.0	.063	256.10	98.73	1.27
PAN			259.40	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.277
MEDIAN (mm):	.214	SORTING:	.765
SILT/CLAY:	2.54%	KURTOSIS:	1.554
SKEWNESS:	-1.452		

PHI(5):	-.17	PHI(16):	1.26	PHI(25):	1.72
PHI(50):	2.22	PHI(75):	2.60	PHI(84):	2.79
PHI(95):	3.16				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC451.TAB

GRADATION ANALYSIS REPORT
CAPTIVA SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC. 6, 1990

SAMPLE NO.: C-45
SAMPLE ELEV. (FT. NGVD): -28.5 NGVD
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 255.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 247.90

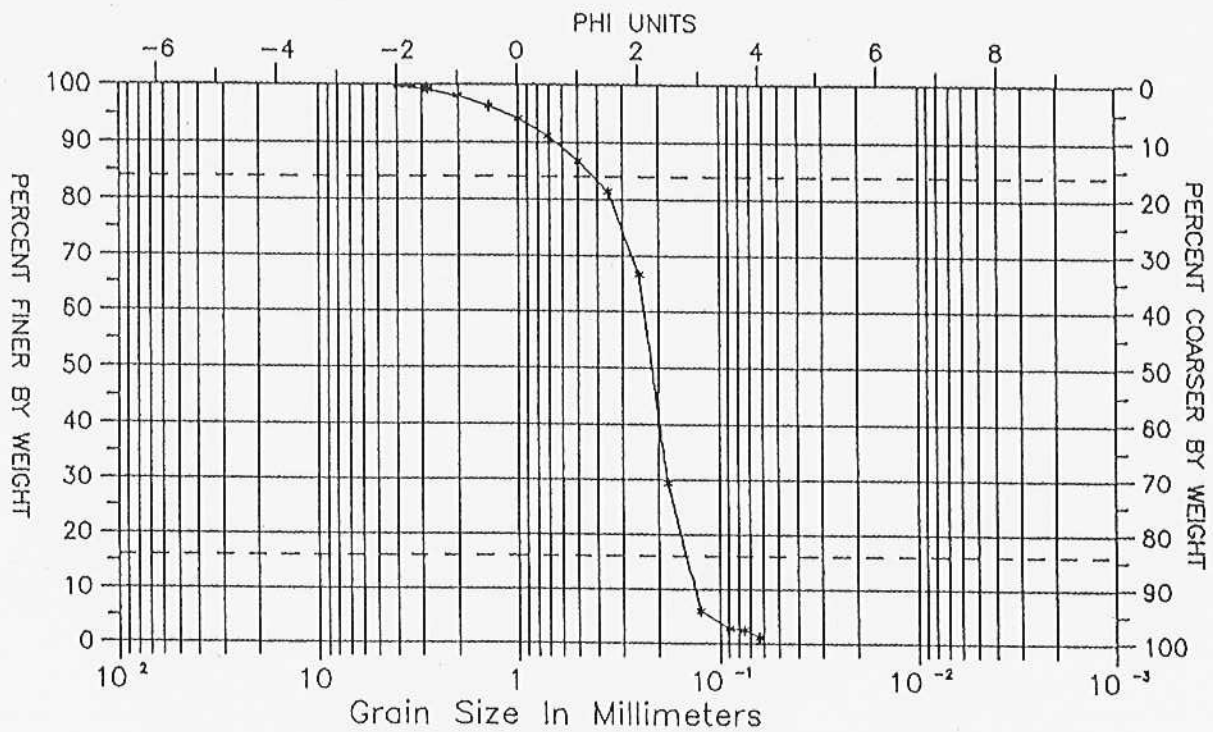
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.00	.00	100.00
10	-1.0	2.000	1.50	.59	99.41
14	-0.5	1.400	2.50	.98	99.02
18	0.0	1.000	3.20	1.25	98.75
25	0.5	.710	3.50	1.37	98.63
35	1.0	.500	6.30	2.47	97.53
45	1.5	.355	9.30	3.64	96.36
60	2.0	.250	21.10	8.26	91.74
80	2.5	.180	83.80	32.82	67.18
120	3.0	.125	222.30	87.07	12.93
170	3.5	.090	244.50	95.77	4.23
200	3.75	.075	246.70	96.63	3.37
230	4.0	.063	251.30	98.43	1.57
PAN			255.30	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.167
MEDIAN (mm):	.158	SORTING:	.407
SILT/CLAY:	3.37%	KURTOSIS:	1.353
SKEWNESS:	-.214		

PHI(5): 1.65	PHI(16): 2.16	PHI(25): 2.34
PHI(50): 2.66	PHI(75): 2.89	PHI(84): 2.97
PHI(95): 3.46		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC4525.TAB

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



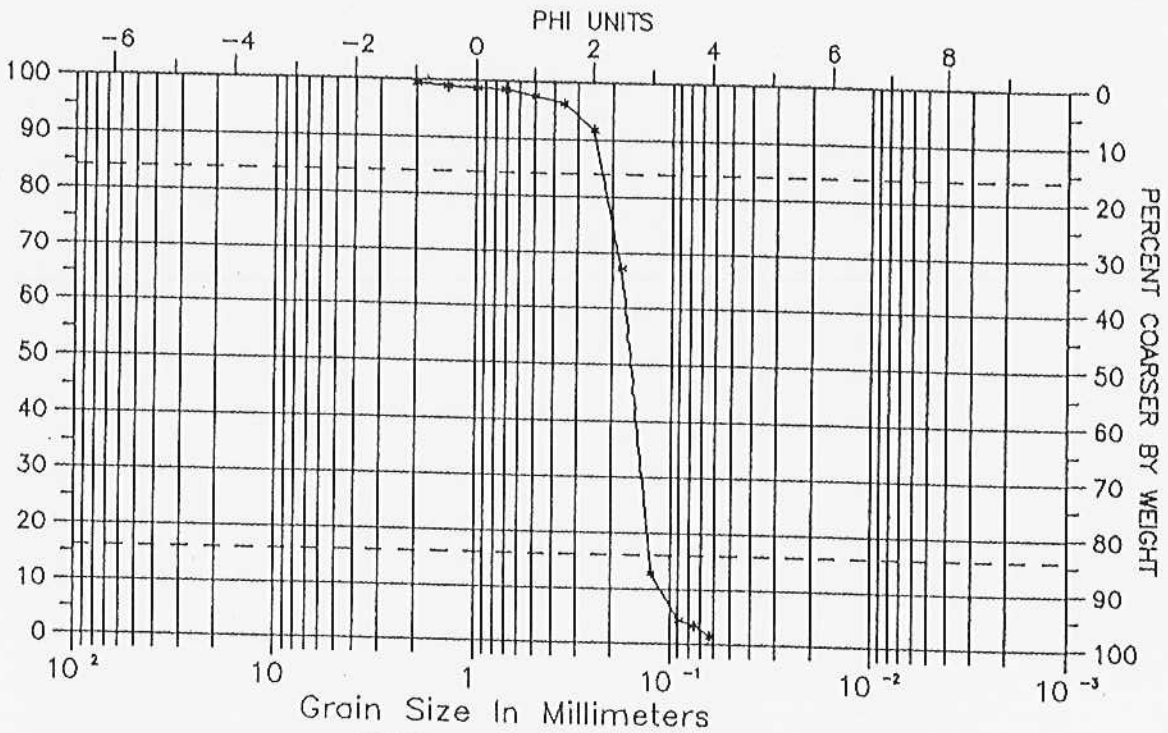
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-45	1.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.277	.214	.765	SP



WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-45 2.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.167	.158	.407	SP

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