

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE IICore No: C-46

Coordinates:

N = 779895.5E = 413640.9Date: 12-6-90Start Time 1034

End Time _____

Water Depth 24 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

Core Diam. 3"
 Length of Barrel 20'
 Penetration Depth 8.4'
 Length Recovered 6.7
 Length Retained 6.7
 Remarks:

Support Vessel DANIELLE MARIE
 Positioning System TRISPANDER
 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
-24	0				
	1.2		SHELL HASH w/ LIGHT GREY FINE QUARTZ SAND	(1) 0.6 (-24.6)	SP
	5		GREY FINE QUARTZ SAND w/SHELL HASH AND FRAGMENTS	(2) 4.0 (-28)	SP
	5.1		DARK GREY SILT		
	6.4		GREY FINE QUARTZ SAND w/SHELL HASH & FRAG		
	6.7		DARK GREY CONSOLIDATED SHELL ROCK		
	10				
	15				
	20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-46
SAMPLE ELEV. (FT. NGVD): -24.6
SAMPLE DEPTH (FT.): 0.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 261.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 258.40

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.80	.69	99.31
7	-1.5	2.800	5.10	1.95	98.05
10	-1.0	2.000	12.00	4.59	95.41
14	-0.5	1.400	21.40	8.18	91.82
18	0.0	1.000	34.60	13.23	86.77
25	0.5	.710	53.70	20.53	79.47
35	1.0	.500	82.10	31.38	68.62
45	1.5	.355	111.80	42.74	57.26
60	2.0	.250	168.70	64.49	35.51
80	2.5	.180	230.90	88.26	11.74
120	3.0	.125	256.40	98.01	1.99
170	3.5	.090	258.20	98.70	1.30
200	3.75	.075	258.30	98.74	1.26
230	4.0	.063	260.00	99.39	.61
PAN			261.60	100.00	.00

SIEVE LOSS(g):		.00			
MEDIAN (mm):		.315	MEAN (mm): .425		
SILT/CLAY:		1.26%	SORTING: 1.110		
SKEWNESS:		-1.431	KURTOSIS: 1.025		

PHI(5): -.94		PHI(16): .19		PHI(25): .71	
PHI(50): 1.67		PHI(75): 2.22		PHI(84): 2.41	
PHI(95): 2.85					

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC4606.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-46
SAMPLE ELEV. (FT. NGVD): -28.0
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 243.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 238.70

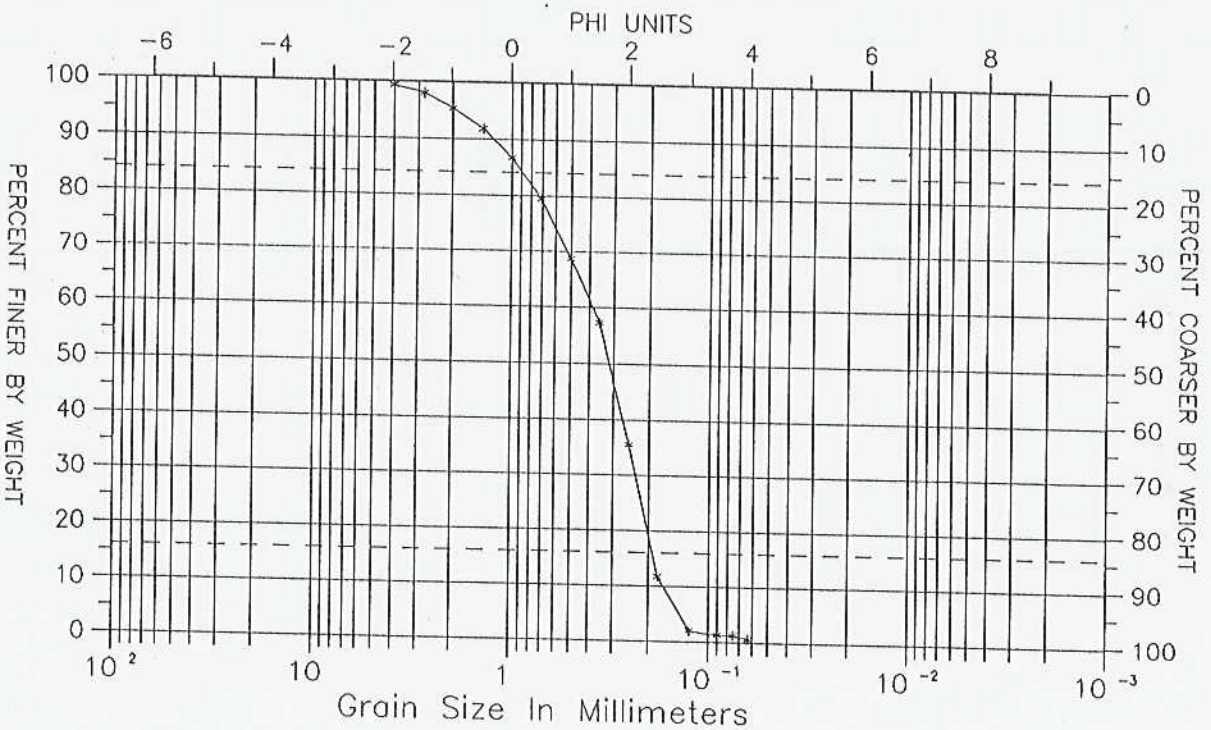
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.80	.74	99.26
7	-1.5	2.800	3.30	1.36	98.64
10	-1.0	2.000	7.70	3.16	96.84
14	-0.5	1.400	14.80	6.08	93.92
18	0.0	1.000	23.30	9.57	90.43
25	0.5	.710	37.60	15.44	84.56
35	1.0	.500	60.10	24.68	75.32
45	1.5	.355	82.80	34.00	66.00
60	2.0	.250	128.70	52.85	47.15
80	2.5	.180	194.40	79.84	20.16
120	3.0	.125	233.20	95.77	4.23
170	3.5	.090	237.10	97.37	2.63
200	3.75	.075	237.60	97.58	2.42
230	4.0	.063	240.40	98.73	1.27
PAN			243.50	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.360
MEDIAN (mm):	.263	SORTING:	1.050
SILT/CLAY:	2.42%	KURTOSIS:	1.077
SKEWNESS:	-1.558		

PHI(5):	-.68	PHI(16):	.53	PHI(25):	1.02
PHI(50):	1.92	PHI(75):	2.41	PHI(84):	2.63
PHI(95):	2.98				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:464.TAB

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



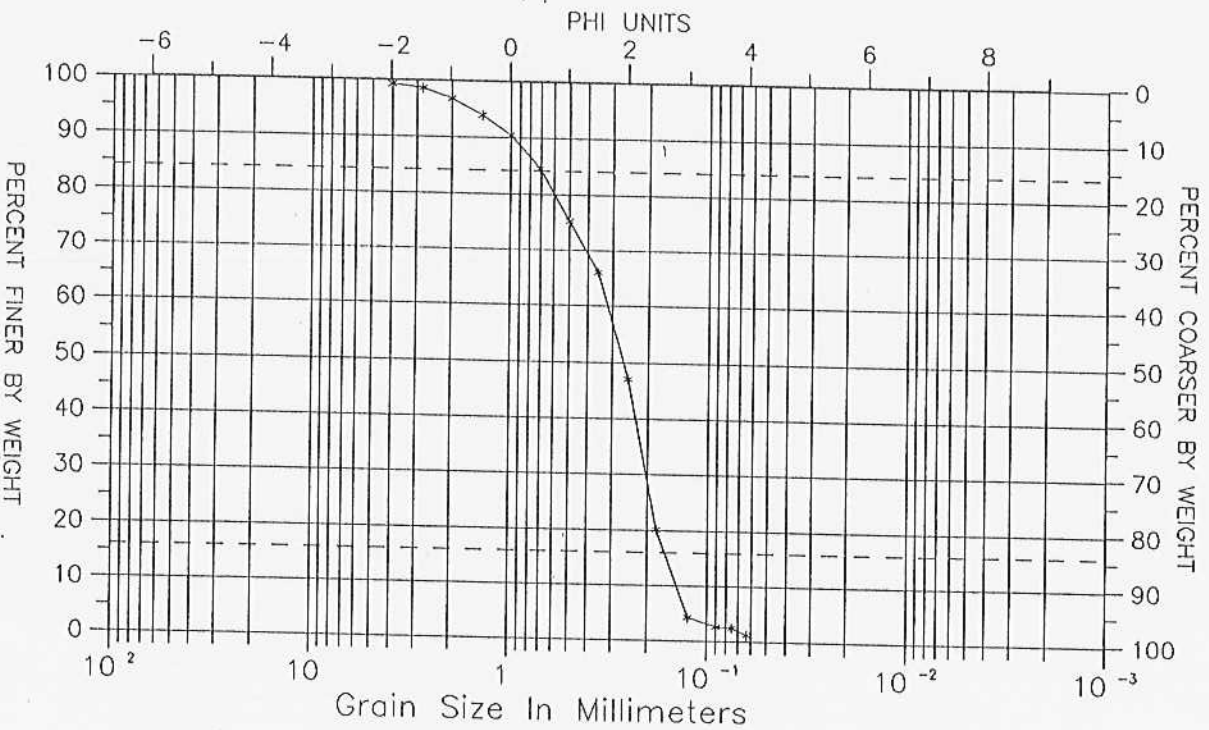
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-46 0.6	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.425	.315	1.110	SP



WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-46	4.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.360	.263	1.060	SP

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