

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-37

Coordinates:

N = 807405.8E = 429467Date: 12-4-90Start Time 1506

End Time _____

Water Depth 17 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

Core Diam. Length of Barrel Penetration Depth Length Recovered Length Retained Remarks: Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISponder</u> Positioning Remarks:	Elev.	Depth	Legend	Description	Samp. No.	Remarks
	-17	0				
				TAN MED-FINE QUARTZ SAND SOME SHELL HASH	(1) 0.7 (-17.7)	SP
		1.3		GREY SILTY FINE SAND	(2)	SP-SM
		1.5		GREY FINE QUARTZ SAND SOME SHELL HASH	2.0 (-19)	
		2.4		GREY SILTY FINE SAND	(3)	SP
		2.6		WHITE-GREY FINE QUARTZ SAND SOME SHELL HASH	3.5 (-20.5)	
		4.0		DARK GREY SILTY FINE QUARTZ SAND SOME SHELL HASH		
		5		DARK GREY SILTY FINE QUARTZ SAND SOME SHELL HASH		
		5.1		DARK GREY SILTY FINE QUARTZ SAND SOME SHELL HASH		
		6.2		WHITE GREY LIMEY CONSOLIDATED SHELL ROCK		
	-29.4	7.4				
		10				
		15				
		20				

Weather CLEAR

Wind

Dir: SEEst. Speed 0-5 KTS

Waves

Dir: NWHeight 1'-2'

Current

Dir: SOUTHEst. Speed: N/AAnalysis By: KEN JACKSONDate: DEC. 20-27, 1990

Analysis Method:

VISUAL LOGMECHANICAL SIEVE

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: C-37
SAMPLE ELEV. (FT. NGVD): -17.7
SAMPLE DEPTH (FT.): 0.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 157.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 155.30

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	7.30	4.63	95.37
7	-1.5	2.800	10.40	6.59	93.41
10	-1.0	2.000	14.60	9.26	90.74
14	-0.5	1.400	19.80	12.56	87.44
18	0.0	1.000	24.40	15.47	84.53
25	0.5	.710	29.90	18.96	81.04
35	1.0	.500	36.40	23.08	76.92
45	1.5	.355	42.10	26.70	73.30
60	2.0	.250	54.50	34.56	65.44
80	2.5	.180	84.60	53.65	46.35
120	3.0	.125	136.40	86.49	13.51
170	3.5	.090	153.30	97.21	2.79
200	3.75	.075	155.00	98.29	1.71
230	4.0	.063	156.40	99.18	.82
PAN			157.70	100.00	.00

SIEVE LOSS(g):	.00	
MEDIAN (mm):	.189	MEAN (mm): .382
SILT/CLAY:	1.71%	SORTING: 1.443
SKEWNESS:	-3.318	KURTOSIS: 1.393

PHI(5): -1.91	PHI(16): .08	PHI(25): 1.27
PHI(50): 2.40	PHI(75): 2.83	PHI(84): 2.96
PHI(95): 3.40		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:37A07.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: C-37
SAMPLE ELEV. (FT. NGVD): -20.5
SAMPLE DEPTH (FT.): 3.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 200.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 194.00

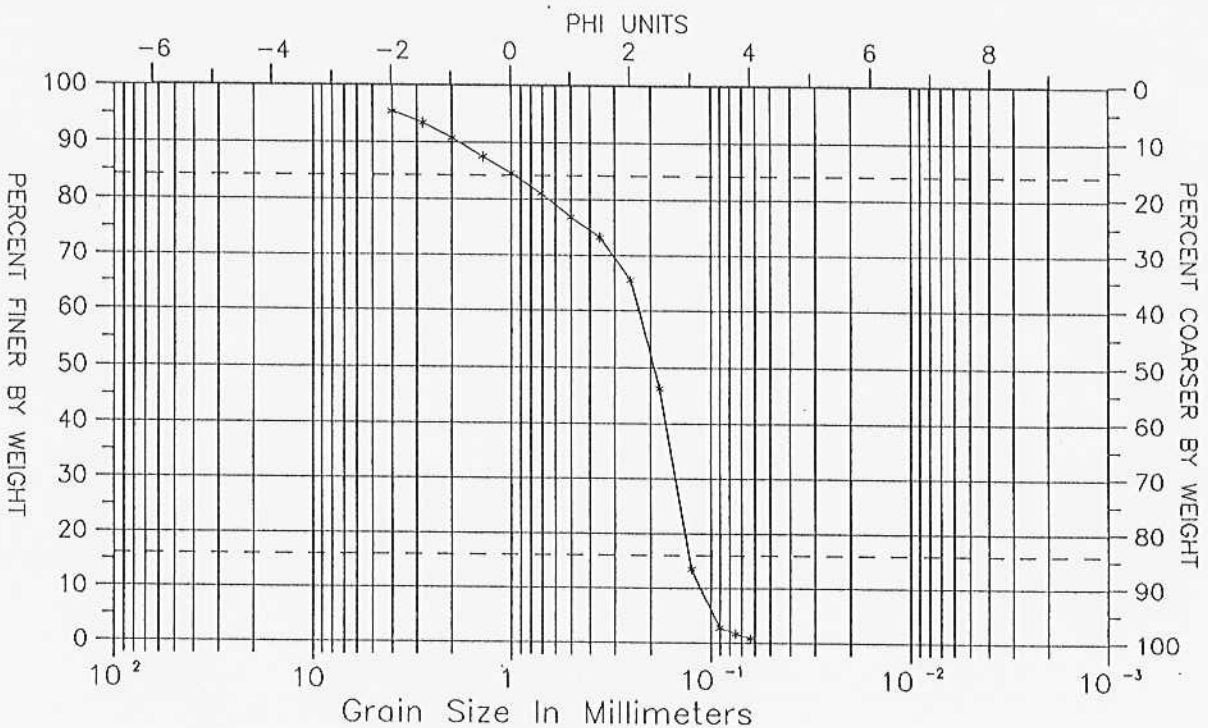
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	1.60	.80	99.20
7	-1.5	2.800	2.40	1.20	98.80
10	-1.0	2.000	3.60	1.79	98.21
14	-0.5	1.400	4.80	2.39	97.61
18	0.0	1.000	6.20	3.09	96.91
25	0.5	.710	8.30	4.14	95.86
35	1.0	.500	12.50	6.23	93.77
45	1.5	.355	16.40	8.17	91.83
60	2.0	.250	27.70	13.80	86.20
80	2.5	.180	63.70	31.74	68.26
120	3.0	.125	165.60	82.51	17.49
170	3.5	.090	191.40	95.37	4.63
200	3.75	.075	193.60	96.46	3.54
230	4.0	.063	197.15	98.23	1.77
PAN			200.70	100.00	.00

SIEVE LOSS(g):	.00		
MEDIAN (mm):	.156	MEAN (mm):	.190
SILT/CLAY:	3.54%	SORTING:	.498
SKEWNESS:	-1.167	KURTOSIS:	1.855

PHI(5):	.71	PHI(16):	2.06	PHI(25):	2.31
PHI(50):	2.68	PHI(75):	2.93	PHI(84):	3.06
PHI(95):	3.49				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC3735A.TAB

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



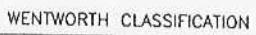
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

C-37	0.7	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.382	.189	1.443	SP



SAMPLE NO.

CLASSIFICATION

C-37 2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990	.178	.143	.592	SP-SM

