

VIBRACORE LOG

Project: CAPTIVA ISLAND, PHASE II Core No: C-31

Coordinates:

N = 805194E = 429651Date: 12-3-90Start Time 1039

End Time

Water Depth 13 NGVDDriller RODNEY MEYERClient Rep. JEFF L. ANDREWS

Core Diam. 3"
 Length of Barrel 20'
 Penetration Depth 12.5
 Length Recovered 11.7
 Length Retained 11.7

Remarks:

BIT SAMPLE. CONSOLIDATED,
GREY-WHITE, SHELL-ROCK

Support Vessel DANIELLE MARIE
 Positioning
 System TRIPONDER
 Positioning Remarks:

Weather CLEAR
 Wind
 Dir: SE
 Est. Speed 10-15 KTS
 Waves
 Dir: NW
 Height 1'-2' CHOP
 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
-13	0		WHITE MED-FINE QUARTZ SAND W/SOME SHELL HASH	(1) 2.0 (-15)	SP
-16.5	3.5		LIGHT GREY MED-FINE QUARTZ SAND W/SOME SHELL HASH	(2) 5.0 (-18)	SP
-18.7	5.7		DARK GREY SILTY FINE QUARTZ SAND W/SHELL HASH & SOME FRAGMENTS		
-23.5	10.5		DARK GREY SILTY CONSOLIDATED SHELL-ROCK		
-24.1	11.1		WHITE QUARTZ SAND		
-24.7	11.7		CONSOLIDATED SHELL-ROCK		
	15				
	20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: C-31
SAMPLE ELEV. (FT. NGVD): -15.0
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 296.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 292.30

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.50	.17	99.83
7	-1.5	2.800	1.20	.40	99.60
10	-1.0	2.000	2.50	.84	99.16
14	-0.5	1.400	4.80	1.62	98.38
18	0.0	1.000	8.60	2.90	97.10
25	0.5	.710	15.30	5.16	94.84
35	1.0	.500	27.10	9.14	90.86
45	1.5	.355	41.80	14.09	85.91
60	2.0	.250	80.70	27.21	72.79
80	2.5	.180	166.80	56.24	43.76
120	3.0	.125	271.10	91.40	8.60
170	3.5	.090	290.30	97.88	2.12
200	3.75	.075	291.90	98.42	1.58
230	4.0	.063	294.25	99.21	.79
PAN			296.60	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.230
MEDIAN (mm):	.190	SORTING:	.661
SILT/CLAY:	1.58%	KURTOSIS:	1.355
SKEWNESS:	-1.042		

PHI(5):	.46	PHI(16):	1.57	PHI(25):	1.92
PHI(50):	2.39	PHI(75):	2.77	PHI(84):	2.89
PHI(95):	3.28				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC312.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH. 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: C-31
SAMPLE ELEV. (FT. NGVD): -18.0
SAMPLE DEPTH (FT.): 5.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 250.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 242.10

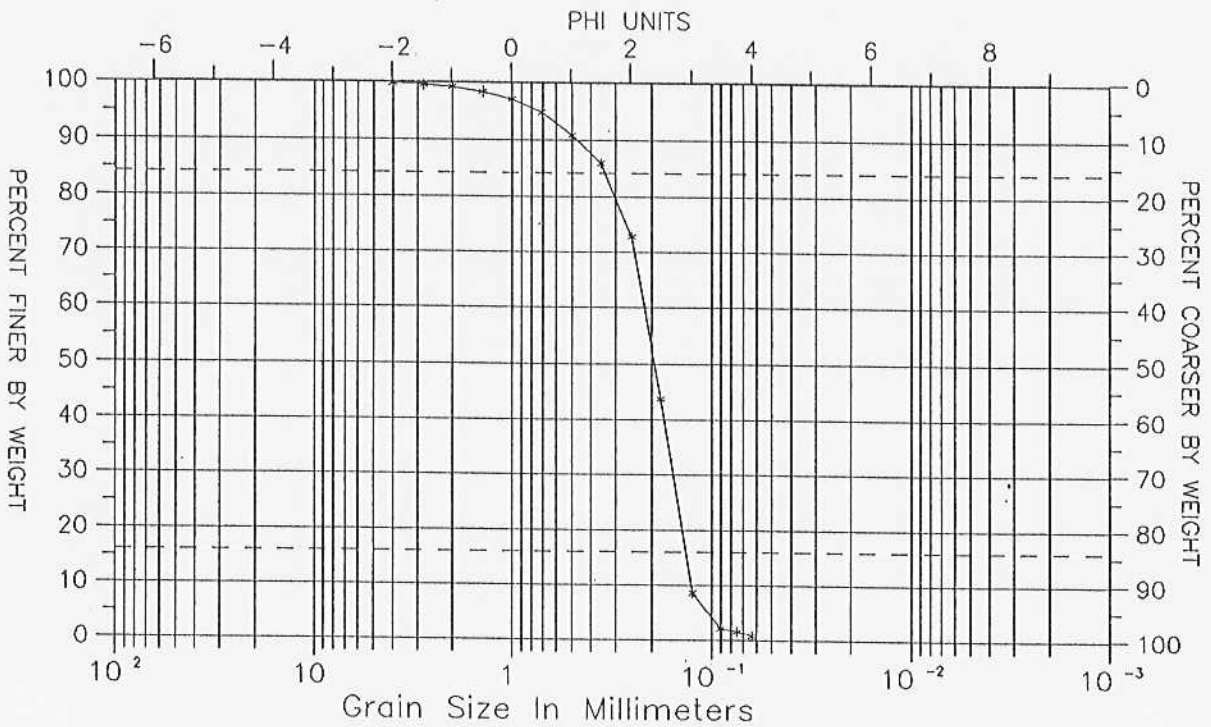
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.85	.34	99.66
10	-1.0	2.000	1.30	.52	99.48
14	-0.5	1.400	.50	.20	99.80
18	0.0	1.000	1.00	.40	99.60
25	0.5	.710	1.50	.60	99.40
35	1.0	.500	2.00	.80	99.20
45	1.5	.355	2.90	1.16	98.84
60	2.0	.250	4.90	1.95	98.05
80	2.5	.180	45.60	18.19	81.81
120	3.0	.125	213.10	85.00	15.00
170	3.5	.090	237.10	94.58	5.42
200	3.75	.075	240.40	95.89	4.11
230	4.0	.063	246.10	98.17	1.83
PAN			250.70	100.00	.00

SIEVE LOSS(g): .00
MEDIAN (mm): .150 MEAN (mm): .147
SILT/CLAY: 4.11% SORTING: .280
SKEWNESS: .198 KURTOSIS: 1.629

PHI(5): 2.09 PHI(16): 2.43 PHI(25): 2.55
PHI(50): 2.74 PHI(75): 2.93 PHI(84): 2.99
PHI(95): 3.58

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:CIC315.TAB

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



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

