

VIBRACORE LOG

Project: <u>REDFISH PASS</u>		Core No: <u>RFP5</u>	
Coordinates:	Date: <u>12/4/90</u>	Water Depth <u>5.0'</u> NGVD	
N = <u>806337</u>	Start Time <u>1614</u>	Driller <u>RODNEY MEYER</u>	
E = <u>436613</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-5	0				
Length of Barrel <u>20'</u>		0.76		GREYISH SHELL HASH w/SOME SHELL FRAG.	(1)	SP
Penetration Depth <u>20'</u>		2.5		GREY SILTY SHELL HASH AND FRAG. w/SOME SAND	(-7)	
Length Recovered <u>9.9'</u>		5.47		GREY SILTY FINE QUARTZ SAND w/SHELL HASH FRAG.	(2)	SM
Length Retained <u>9.9'</u>		6.0		GREY SILTY FINE SAND - QUARTZ	6.0	
Remarks:		6.6		GREY SILTY FINE SANDS w/SHELL HASH FRAG.	(-11)	
Support Vessel <u>DANIELLE MARIE</u>		10.9				
Positioning System <u>TRISPONDER</u>						
Positioning Remarks:						
Weather <u>CLEAR</u>	-14.9	15				
Wind Dir: <u>SE</u>						
Est. Speed <u>0-5 KTS.</u>						
Waves Dir: <u>NW</u>						
Height <u>1-2'</u>						
Current Dir: <u>SOUTH</u>						
Est. Speed: <u>N/A</u>						
Analysis By: <u>KEN JACKSON</u>		20				
Date: <u>DEC. 20-27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>						

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP5
SAMPLE ELEV. (FT. NGVD): -7.0
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 281.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 274.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	43.50	15.44	84.56
7	-1.5	2.800	57.70	20.48	79.52
10	-1.0	2.000	76.70	27.23	72.77
14	-0.5	1.400	94.90	33.69	66.31
18	0.0	1.000	112.30	39.87	60.13
25	0.5	.710	128.90	45.76	54.24
35	1.0	.500	148.20	52.61	47.39
45	1.5	.355	166.90	59.25	40.75
60	2.0	.250	213.20	75.68	24.32
80	2.5	.180	257.30	91.34	8.66
120	3.0	.125	271.50	96.38	3.62
170	3.5	.090	274.10	97.30	2.70
200	3.75	.075	274.40	97.41	2.59
230	4.0	.063	278.05	98.70	1.30
PAN			281.70	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.876
MEDIAN (mm):	.571	SORTING:	2.105
SILT/CLAY:	2.59%	KURTOSIS:	.769
SKEWNESS:	-1.792		

PHI(5): -3.04	PHI(16): -1.94	PHI(25): -1.17
PHI(50): .81	PHI(75): 1.98	PHI(84): 2.27
PHI(95): 2.86		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP5.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP5
SAMPLE ELEV. (FT. NGVD): -11.0
SAMPLE DEPTH (FT.): 6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 347.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 313.20

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	30.50	8.78	91.22
7	-1.5	2.800	36.60	10.54	89.46
10	-1.0	2.000	43.30	12.47	87.53
14	-0.5	1.400	49.00	14.11	85.89
18	0.0	1.000	53.60	15.43	84.57
25	0.5	.710	62.40	17.97	82.03
35	1.0	.500	70.10	20.18	79.82
45	1.5	.355	74.50	21.45	78.55
60	2.0	.250	82.50	23.75	76.25
80	2.5	.180	113.90	32.80	67.20
120	3.0	.125	219.20	63.12	36.88
170	3.5	.090	276.10	79.50	20.50
200	3.75	.075	289.60	83.39	16.61
230	4.0	.063	313.05	90.14	9.86
PAN			346.20	99.68	.32

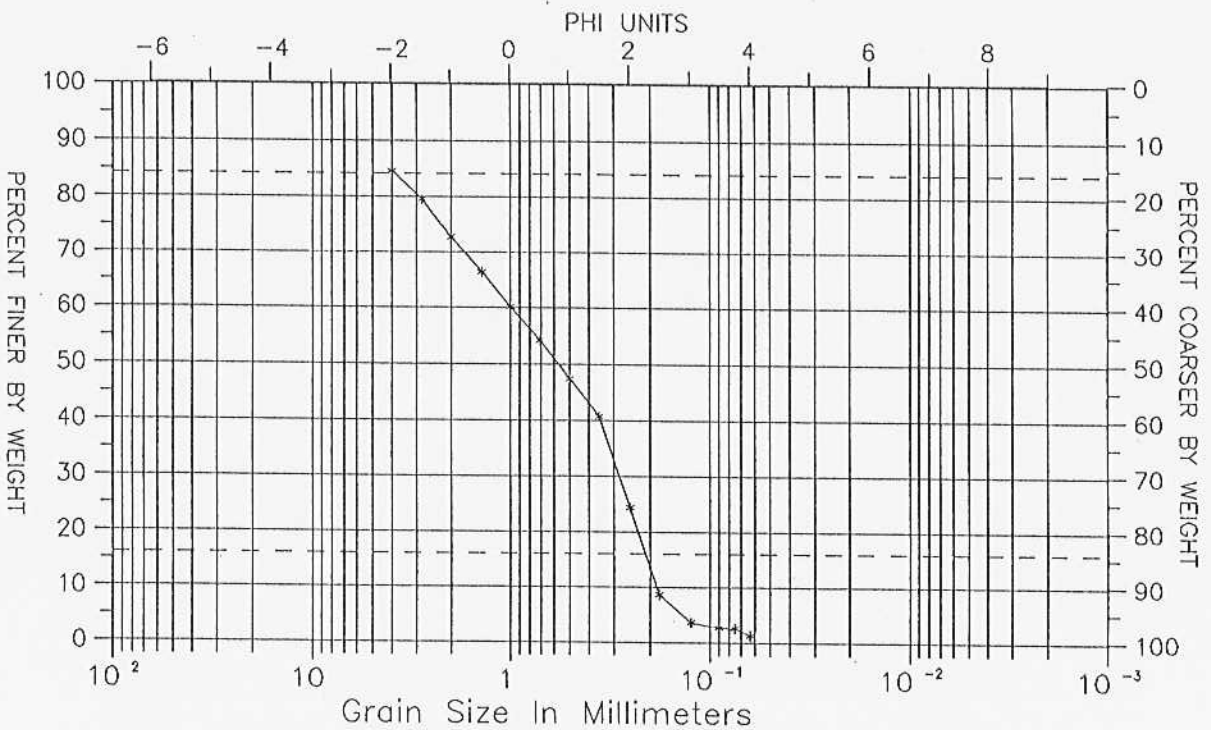
SIEVE LOSS(g): 1.10
MEDIAN (mm): .145
SILT/CLAY: 16.61%
SKEWNESS: -4.464

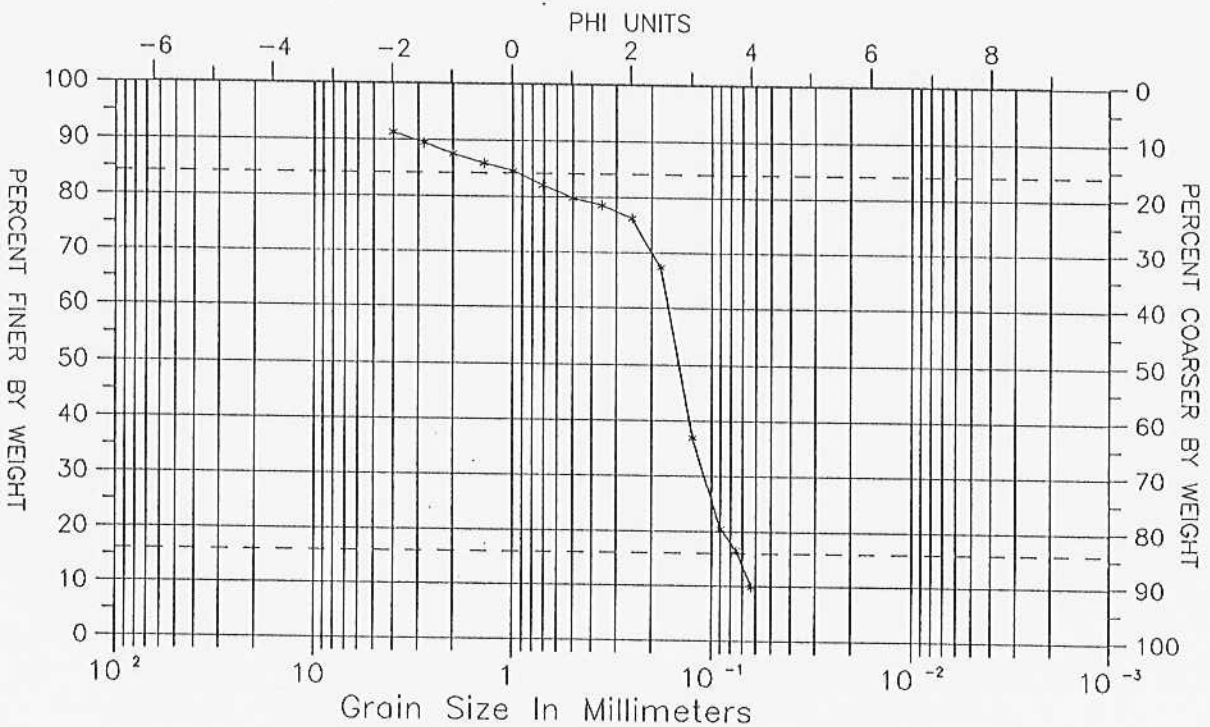
MEAN (mm): .340
SORTING: 1.830
KURTOSIS: 2.299

PHI(5): -3.08 PHI(16): .11 PHI(25): 2.07
PHI(50): 2.78 PHI(75): 3.36 PHI(84): 3.77
PHI(95): 4.18

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP5A.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			
RFP5	6.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.340	.145	1.830	SM

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