

VIBRACORE LOG

Project: <u>REDFISH PASS</u>		Core No: <u>RFP 4</u>	
Coordinates:		Date: <u>12/4/90</u>	Water Depth <u>4.5</u> NGVD
N = <u>807377</u>		Start Time <u>1645</u>	Driller <u>RODNEY MEYER</u>
E = <u>437972</u>		End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-4.5	0				
Length of Barrel <u>20'</u>						
Penetration Depth <u>20'</u>						
Length Recovered <u>17.2'</u>						
Length Retained <u>17.2'</u>						
Remarks:						
Support Vessel <u>DANIELLE MARIE</u>						
Positioning System <u>TRISponder</u>						
Positioning Remarks:						
Weather <u>CLEAR</u>						
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>						
Date: <u>DEC. 20-27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>						

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
	-4.5	0				
	-6.5'	0.623		GREYISH SHELL HASH w/SOME SILT	(1) 2.0'	SP
		3.3		GREY SILTY FINE QUARTZ SAND w/SHELL HASH		
		5				
		5.6				
	-11.5'	7.0		GREY SILTY FINE QUARTZ SANDS w/SHELL HASH & SHELL FRAGMENTS	(2) 7.0'	SM
		10				
		15				
		17.2		GREY VERY SILTY FINE QUARTZ SAND w/LARGE (1/2"-2") SHELL FRAG. & SOME SHELL HASH		
		20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP4
SAMPLE ELEV. (FT. NGVD): -6.5
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 289.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 285.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	34.90	12.05	87.95
7	-1.5	2.800	53.70	18.54	81.46
10	-1.0	2.000	78.80	27.20	72.80
14	-0.5	1.400	98.20	33.90	66.10
18	0.0	1.000	112.00	38.66	61.34
25	0.5	.710	123.60	42.66	57.34
35	1.0	.500	133.10	45.94	54.06
45	1.5	.355	139.90	48.29	51.71
60	2.0	.250	152.70	52.71	47.29
80	2.5	.180	200.50	69.21	30.79
120	3.0	.125	271.20	93.61	6.39
170	3.5	.090	284.40	98.17	1.83
200	3.75	.075	285.60	98.58	1.42
230	4.0	.063	287.55	99.26	.74
PAN			289.60	99.97	.03

SIEVE LOSS(g):	.10		
MEDIAN (mm):	.309	MEAN (mm):	.623
SILT/CLAY:	1.42%	SORTING:	2.249
SKEWNESS:	-2.778	KURTOSIS:	.623

PHI(5): -2.54	PHI(16): -1.70	PHI(25): -1.13
PHI(50): 1.69	PHI(75): 2.62	PHI(84): 2.80
PHI(95): 3.15		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP4A.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP4
SAMPLE ELEV. (FT. NGVD): -11.5
SAMPLE DEPTH (FT.): 7.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

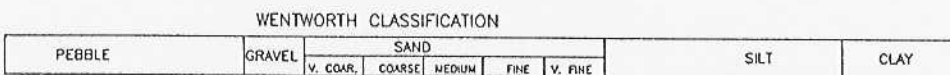
DRY SAMPLE WEIGHT (GRAMS): 313.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 253.90

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	5.50	1.75	98.25
7	-1.5	2.800	9.80	3.12	96.88
10	-1.0	2.000	15.50	4.94	95.06
14	-0.5	1.400	21.60	6.88	93.12
18	0.0	1.000	26.10	8.31	91.69
25	0.5	.710	29.10	9.27	90.73
35	1.0	.500	31.50	10.04	89.96
45	1.5	.355	33.10	10.54	89.46
60	2.0	.250	36.20	11.53	88.47
80	2.5	.180	41.60	13.25	86.75
120	3.0	.125	101.30	32.27	67.73
170	3.5	.090	217.30	69.23	30.77
200	3.75	.075	243.80	77.67	22.33
230	4.0	.063	282.00	89.84	10.16
PAN			313.90	100.00	.00

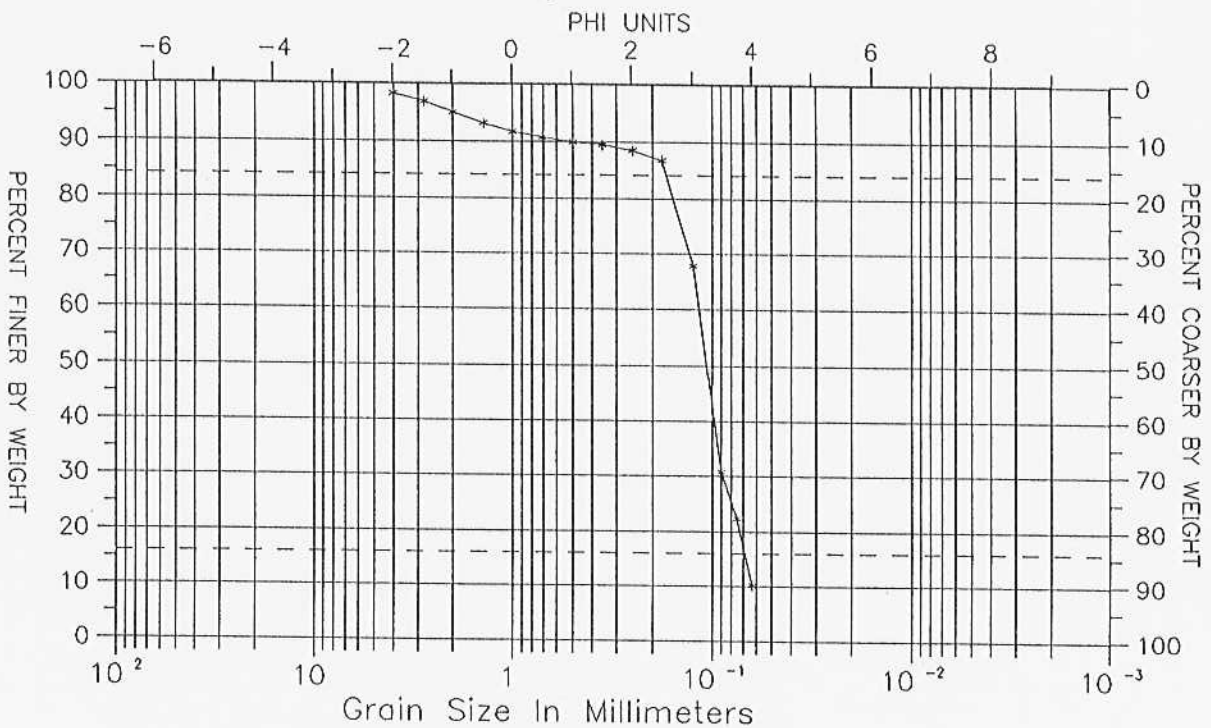
SIEVE LOSS(g):	.00	MEAN (mm):	.169
MEDIAN (mm):	.106	SORTING:	.654
SILT/CLAY:	22.33%	KURTOSIS:	2.420
SKEWNESS:	-3.358		

PHI(5):	-.98	PHI(16):	2.57	PHI(25):	2.81
PHI(50):	3.24	PHI(75):	3.67	PHI(84):	3.88
PHI(95):	4.11				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP4.TAB



SAMPLE NO.		CLASSIFICATION			
RFP4	2.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.623	.309	2.249	SP



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

SAMPLE NO.		CLASSIFICATION			
RFP4	7.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.169	.106	.654	SM

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