

VIBRACORE LOG

Project: <u>REDFISH PASS</u>		Core No: <u>RFP 2</u>	
Coordinates:	Date: <u>12/6/90</u>	Water Depth <u>4.0</u> NGVD	
N = <u>809050.0</u>	Start Time <u>0828</u>	Driller <u>RODNEY MEYER</u>	
E = <u>437550.0</u>	End Time _____	Client Rep. <u>JEFF ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>20'</u> Length Recovered <u>18.9'</u> Length Retained <u>18.9'</u> Remarks:	-4	0		GREY SILTY FINE SANDS QUARTZ		SP-SM
		0.7		GREY SILTY		
		1.5		SHELL HASH		
		2.0		LIGHT TAN FINE SAND QUARTZ	(1)	
		2.6		GREY SILTY FINE SANDS, QUARTZ	2.6 (-6.6)	
	-6.6	3.0		GREY SILTY SANDS w/ SHELL HASH		
		5				
Support Vessel <u>DANIELLE MARIE</u> Positioning System <u>TRISPOUNDER</u> Positioning Remarks:		6.2		GREY SILTY FINE SAND w/ SHELL FRAGMENTS		SM
		7.2			(2)	
	-12	10			8.0 (-12)	
Weather <u>CLEAR</u> Wind Dir: <u>NE</u> Est. Speed <u>10-15 KTS.</u> Waves Dir: <u>WNW</u> Height <u>2-4'</u> Current Dir: <u>SOUTH</u> Est. Speed: <u>N/A</u>		15		GREY SILTY SANDS, QUARTZ w/ SHELL HASH & SOME SHELL FRAG.		
		17.6				
		18.9			GREY, VERY SILTY FINE QUARTZ SANDS w/ SHELL FRAG.	
Analysis By: <u>KEN JACKSON</u> Date: <u>12-27-90</u> Analysis Method: <u>VISUAL LOG</u> <u>MECHANICAL SIEVE</u>	-22.9	20				

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ DN: DEC.1990

SAMPLE NO.: RFP2
SAMPLE ELEV. (FT. NGVD): -6.6
SAMPLE DEPTH (FT.): 2.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 345.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 326.40

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	6.20	1.79	98.21
7	-1.5	2.800	14.70	4.25	95.75
10	-1.0	2.000	31.40	9.09	90.91
14	-0.5	1.400	51.10	14.79	85.21
18	0.0	1.000	65.80	19.04	80.96
25	0.5	.710	78.80	22.80	77.20
35	1.0	.500	87.70	25.38	74.62
45	1.5	.355	91.70	26.53	73.47
60	2.0	.250	97.60	28.24	71.76
80	2.5	.180	118.00	34.14	65.86
120	3.0	.125	231.00	66.84	33.16
170	3.5	.090	305.50	88.40	11.60
200	3.75	.075	319.80	92.53	7.47
230	4.0	.063	334.10	96.67	3.33
PAN			345.60	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.318
MEDIAN (mm):	.149	SORTING:	1.878
SILT/CLAY:	7.47%	KURTOSIS:	.964
SKEWNESS:	-3.009		

PHI(5): -1.42	PHI(16): -.36	PHI(25): .93
PHI(50): 2.74	PHI(75): 3.19	PHI(84): 3.40
PHI(95): 3.90		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP2.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP2
SAMPLE ELEV. (FT. NGVD): -12.0
SAMPLE DEPTH (FT.): 8.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 333.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 297.20

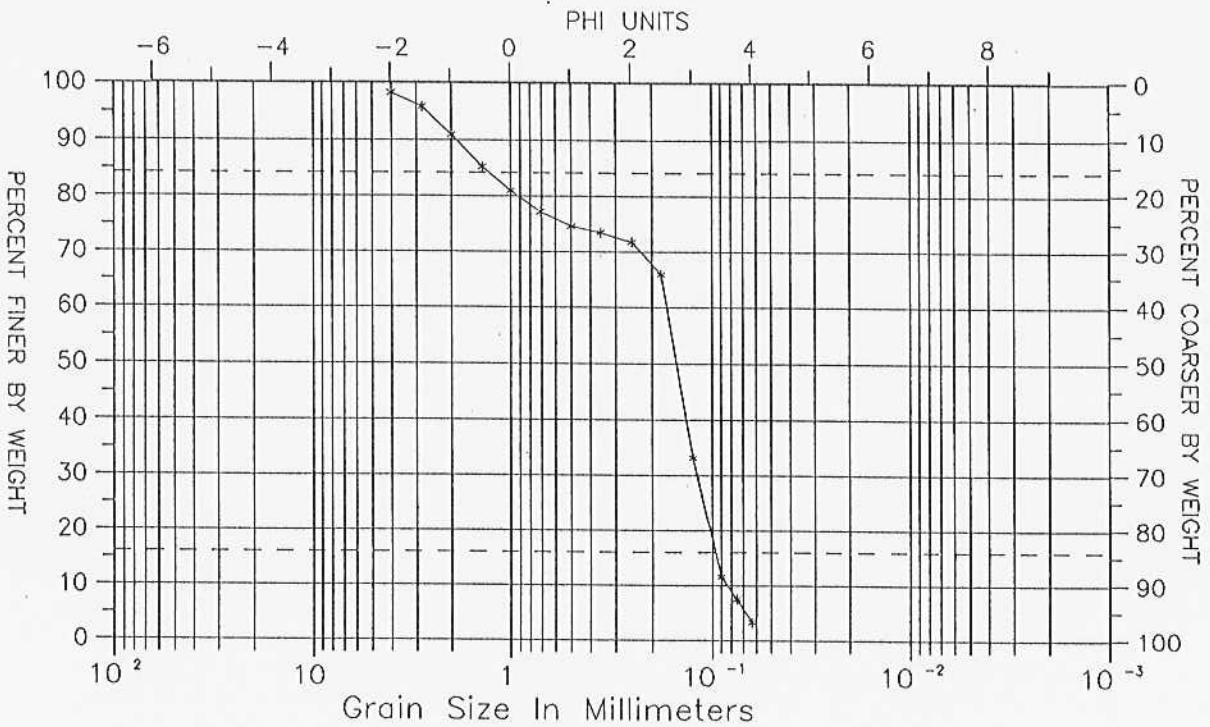
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	9.00	2.70	97.30
7	-1.5	2.800	16.30	4.89	95.11
10	-1.0	2.000	29.20	8.76	91.24
14	-0.5	1.400	43.50	13.05	86.95
18	0.0	1.000	55.60	16.68	83.32
25	0.5	.710	64.50	19.35	80.65
35	1.0	.500	70.90	21.27	78.73
45	1.5	.355	74.00	22.20	77.80
60	2.0	.250	78.20	23.46	76.54
80	2.5	.180	87.30	26.19	73.81
120	3.0	.125	190.10	57.04	42.96
170	3.5	.090	270.20	81.07	18.93
200	3.75	.075	289.70	86.92	13.08
230	4.0	.063	313.95	94.19	5.81
PAN			333.30	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.289
MEDIAN (mm):	.135	SORTING:	1.860
SILT/CLAY:	13.08%	KURTOSIS:	2.069
SKEWNESS:	-3.230		

PHI(5): -1.49	PHI(16): -.09	PHI(25): 2.28
PHI(50): 2.89	PHI(75): 3.37	PHI(84): 3.63
PHI(95): 4.03		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP2A.TAB

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



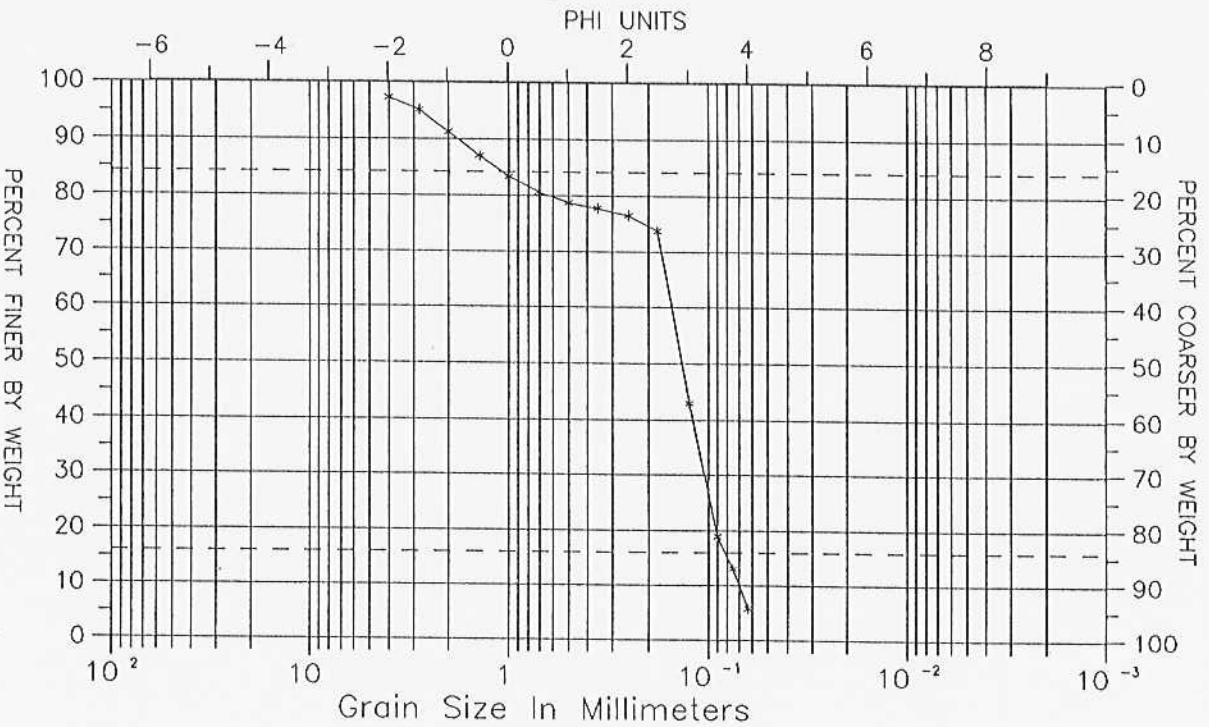
WENTWORTH CLASSIFICATION

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

SAMPLE NO.

CLASSIFICATION

RFP2	2.6	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.318	.149	1.878	SP-SM



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

SAMPLE NO.

CLASSIFICATION

RFP2	8.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.289	.135	1.860	SM

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