

VIBRACORE LOG

Project: <u>REDFISH PASS</u>		Core No: <u>RFP 1</u>	
Coordinates:	Date: <u>12/4/90</u>	Water Depth <u>4.0</u>	NGVD
N = <u>808577.50</u>	Start Time <u>0828</u>	Driller <u>RODNEY MEYER</u>	
E = <u>438460.06</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	-4.0	0		LIGHT TAN FINE SANDS QUARTZ	(1) 1.0' (-4)	SP
Length of Barrel <u>20'</u>						
Penetration Depth <u>20'</u>						
Length Recovered <u>17.1'</u>	-6	2.0		FINE SAND SHELL HASH		
Length Retained <u>17.1'</u>		2.4		LIGHT GREY FINE QUARTZ SAND		
Remarks:		3.2		GREY FINE QUARTZ SANDS w/SHELL HASH		
	-9	5				
Support Vessel <u>DANIELLE MARIE</u>					(2) 6.5' (-10.5)	SP-SM
Positioning System <u>TRISPOUNDER</u>						
Positioning Remarks:						
		8.0		VERY SILTY FINE GREY SAND w/SHELL FRAG. AND HASH		
		9.0				
	-14	10		GREY SILTY FINE SANDS w/SHELL FRAGMENTS & HASH	(3) 13.0' (-17)	SM
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>		15				
Est. Speed: <u>N/A</u>						
	21.1	17.1				
Analysis By: <u>KEN JACKSON</u>						
Date: <u>DEC 27, 1990</u>						
Analysis Method:						
<u>VISUAL LOG</u>						
<u>MECHANICAL SIEVE</u>		20				

GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      ON: DEC.1990

SAMPLE NO.: RFP1  
SAMPLE ELEV. (FT. NGVD): -5.0  
SAMPLE DEPTH (FT.): 1.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 298.50  
SAMPLE WEIGHT AFTER WASH (GRAMS): 293.30

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	.00	.00	100.00
10	-1.0	2.000	1.30	.44	99.56
14	-0.5	1.400	2.10	.70	99.30
18	0.0	1.000	2.60	.87	99.13
25	0.5	.710	3.40	1.14	98.86
35	1.0	.500	4.00	1.34	98.66
45	1.5	.355	4.60	1.54	98.46
60	2.0	.250	7.30	2.45	97.55
80	2.5	.180	56.30	18.86	81.14
120	3.0	.125	250.70	83.99	16.01
170	3.5	.090	288.70	96.72	3.28
200	3.75	.075	292.00	97.82	2.18
230	4.0	.063	295.80	99.10	.90
PAN			298.50	100.00	.00

SIEVE LOSS(g):	.00		
MEDIAN (mm):	.150	MEAN (mm):	.150
SILT/CLAY:	2.18%	SORTING:	.294
SKEWNESS:	.032	KURTOSIS:	1.446

PHI(5):	2.08	PHI(16):	2.41	PHI(25):	2.55
PHI(50):	2.74	PHI(75):	2.93	PHI(84):	3.00
PHI(95):	3.43				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:RFP11.TAB

GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      ON: DEC.1990

SAMPLE NO.: RFP-1  
SAMPLE ELEV. (FT. NGVD): -10.5  
SAMPLE DEPTH (FT.): 6.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 396.75  
SAMPLE WEIGHT AFTER WASH (GRAMS): 379.10

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	6.90	1.74	98.26
7	-1.5	2.800	19.00	4.79	95.21
10	-1.0	2.000	35.40	8.92	91.08
14	-0.5	1.400	55.30	13.94	86.06
18	0.0	1.000	70.80	17.84	82.16
25	0.5	.710	83.00	20.92	79.08
35	1.0	.500	89.50	22.56	77.44
45	1.5	.355	92.60	23.34	76.66
60	2.0	.250	100.00	25.20	74.80
80	2.5	.180	131.00	33.02	66.98
120	3.0	.125	272.90	68.78	31.22
170	3.5	.090	356.60	89.88	10.12
200	3.75	.075	372.10	93.79	6.21
230	4.0	.063	386.33	97.37	2.63
PAN			396.75	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.320
MEDIAN (mm):	.150	SORTING:	1.798
SILT/CLAY:	6.21%	KURTOSIS:	1.810
SKEWNESS:	-3.115		

PHI(5): -1.47	PHI(16): -.24	PHI(25): 1.95
PHI(50): 2.74	PHI(75): 3.15	PHI(84): 3.36
PHI(95): 3.83		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:RFP165.TAB



GRADATION ANALYSIS REPORT  
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ      ON: DEC.1990

SAMPLE NO.: RFP-1  
SAMPLE ELEV. (FT. NGVD): -17  
SAMPLE DEPTH (FT.): 13.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 294.40  
SAMPLE WEIGHT AFTER WASH (GRAMS): 235.20

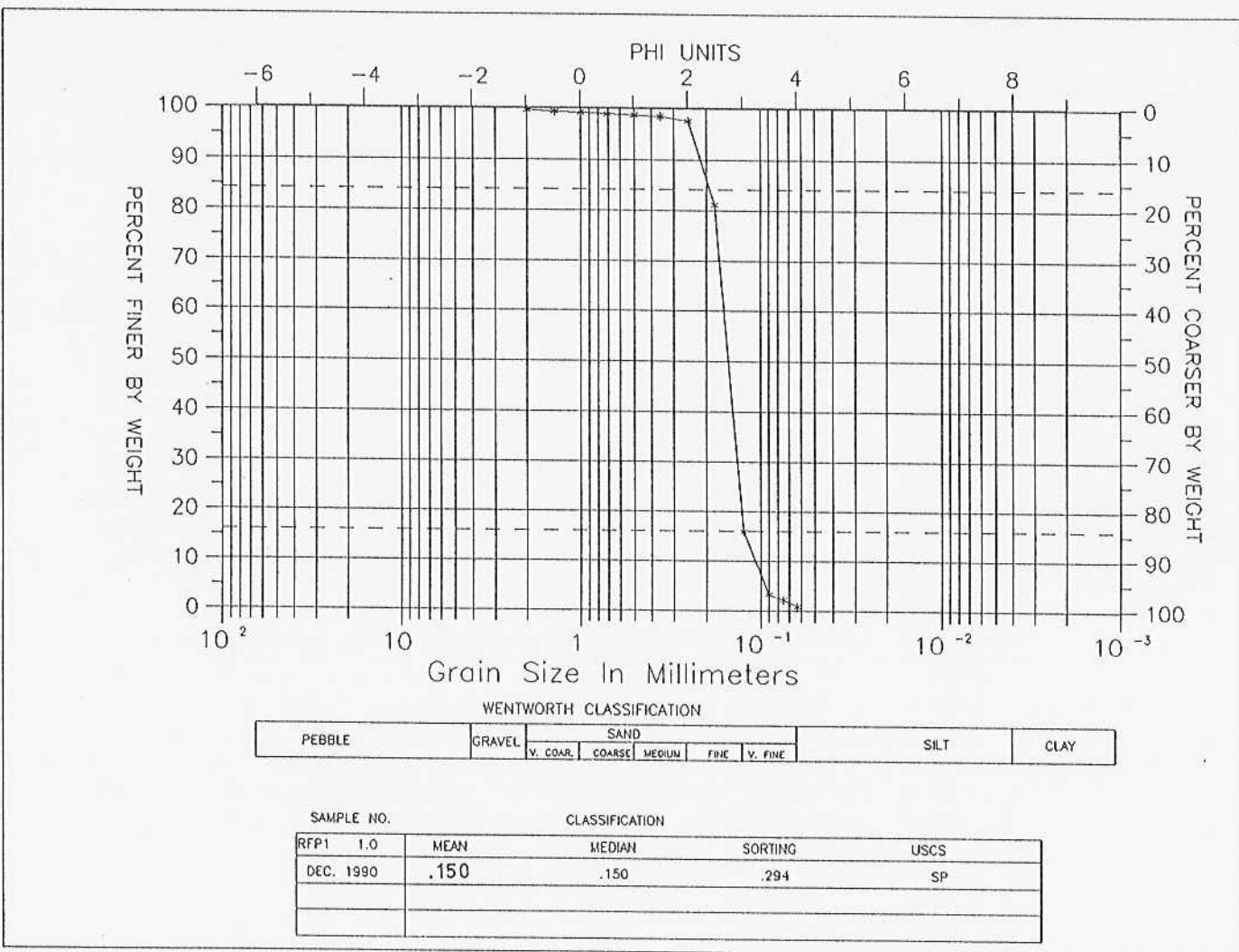
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	4.90	1.66	98.34
7	-1.5	2.800	10.80	3.67	96.33
10	-1.0	2.000	20.90	7.10	92.90
14	-0.5	1.400	29.20	9.92	90.08
18	0.0	1.000	35.40	12.02	87.98
25	0.5	.710	39.00	13.25	86.75
35	1.0	.500	41.50	14.10	85.90
45	1.5	.355	43.10	14.64	85.36
60	2.0	.250	46.80	15.90	84.10
80	2.5	.180	54.70	18.58	81.42
120	3.0	.125	127.70	43.38	56.62
170	3.5	.090	208.80	70.92	29.08
200	3.75	.075	227.70	77.34	22.66
230	4.0	.063	263.30	89.44	10.56
PAN			294.40	100.00	.00

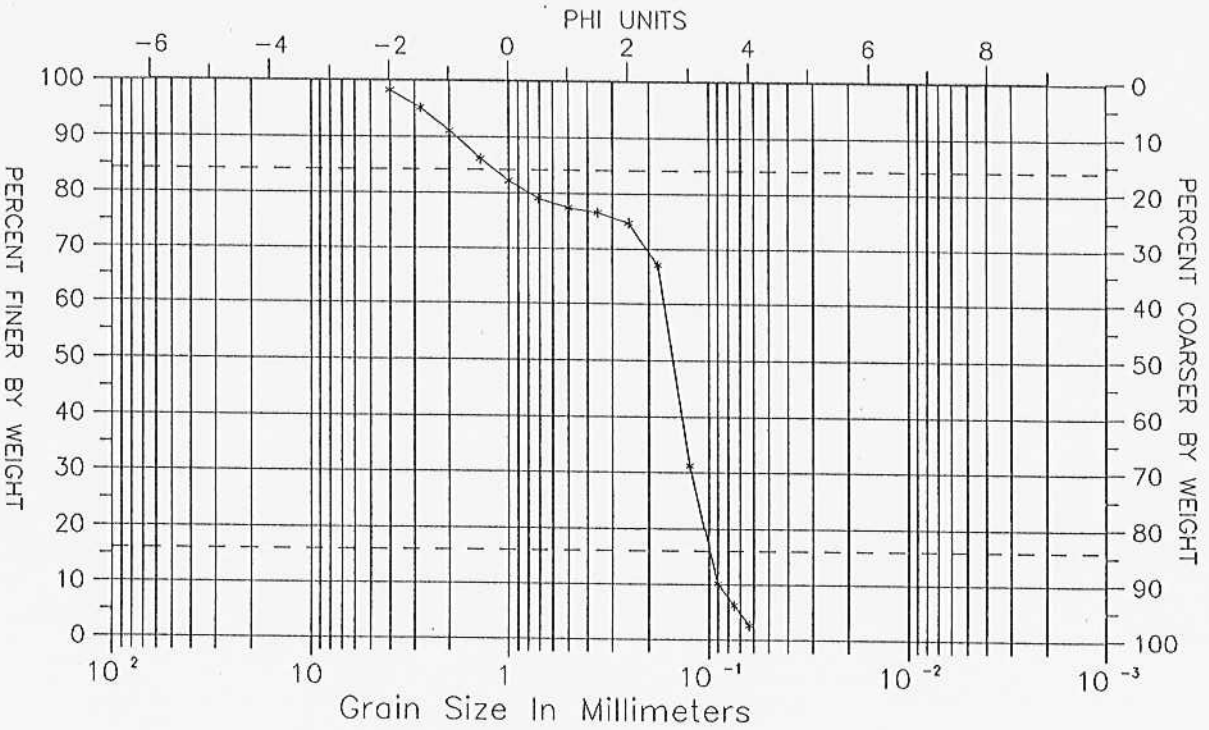
SIEVE LOSS(g):	.00	
MEDIAN (mm):	.115	MEAN (mm): .194
SILT/CLAY:	22.66%	SORTING: .934
SKEWNESS:	-3.431	KURTOSIS: 2.159

PHI(5): -1.31	PHI(16): 2.02	PHI(25): 2.63
PHI(50): 3.12	PHI(75): 3.66	PHI(84): 3.89
PHI(95): 4.12		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:RFP113.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

RFP1	6.5	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.320	.150	1.798	SP-SM

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



