

VTBRACORE LOG

Project: <u>REDFISH PASS</u>		Core No.: <u>RFP-3</u>	
Coordinates:	Date: <u>12/4/90</u>	Water Depth <u>6.0</u> NGVD	
N = <u>807524.22</u>	Start Time <u>1712</u>	Driller <u>RODNEY MEYER</u>	
E = <u>438912.0</u>	End Time _____	Client Rep. <u>JEFF L. ANDREWS</u>	

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-6	0				
Core Diam. <u>3"</u> Length of Barrel <u>20'</u> Penetration Depth <u>20'</u> Length Recovered <u>18.3'</u> Length Retained <u>18.3'</u> Remarks: _____					
7.0	5	[Symbol]	LIGHT TAN FINE SANDS QUARTZ w/ SHELL HASH	(1) 3.0 (-9)	SP-SM
	7.8	[Symbol]	LIGHT TAN SILTY FINE QUARTZ SAND w/ SHELL HASH & SOME FRG.	(2) 9 (-15)	SM
	8.4	[Symbol]	GREYISH-TAN SILTY FINE SANDS w/SHELL HASH AND SOME LARGE SHELL FRAG.		
	10	[Symbol]	SAME AS ABOVE CHANGED TO A GREY COLOR		
	-24.3	15	[Symbol]		
15.5		[Symbol]			
18.3		[Symbol]			
	20				

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>	

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KCJ ON: DEC.1990

SAMPLE NO.: RFP3
SAMPLE ELEV. (FT. NGVD): -9.0
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 281.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 267.00

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	.40	.14	99.86
14	-0.5	1.400	.80	.28	99.72
18	0.0	1.000	1.40	.50	99.50
25	0.5	.710	2.60	.92	99.08
35	1.0	.500	3.70	1.31	98.69
45	1.5	.355	4.80	1.71	98.29
60	2.0	.250	8.10	2.88	97.12
80	2.5	.180	28.10	9.99	90.01
120	3.0	.125	177.60	63.11	36.89
170	3.5	.090	248.00	88.13	11.87
200	3.75	.075	261.30	92.86	7.14
230	4.0	.063	272.70	96.91	3.09
PAN			281.40	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.127
MEDIAN (mm):	.136	SORTING:	.430
SILT/CLAY:	7.14%	KURTOSIS:	1.191
SKEWNESS:	.278		

PHI(5):	2.15	PHI(16):	2.56	PHI(25):	2.64
PHI(50):	2.88	PHI(75):	3.24	PHI(84):	3.42
PHI(95):	3.88				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP3A.TAB

GRADATION ANALYSIS REPORT
CAPTIVA ISLAND, SAND SEARCH, 8401.65

TESTED BY: KDJ ON: DEC.1990

SAMPLE NO.: RFP3
SAMPLE ELEV. (FT. NGVD): -15.0
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

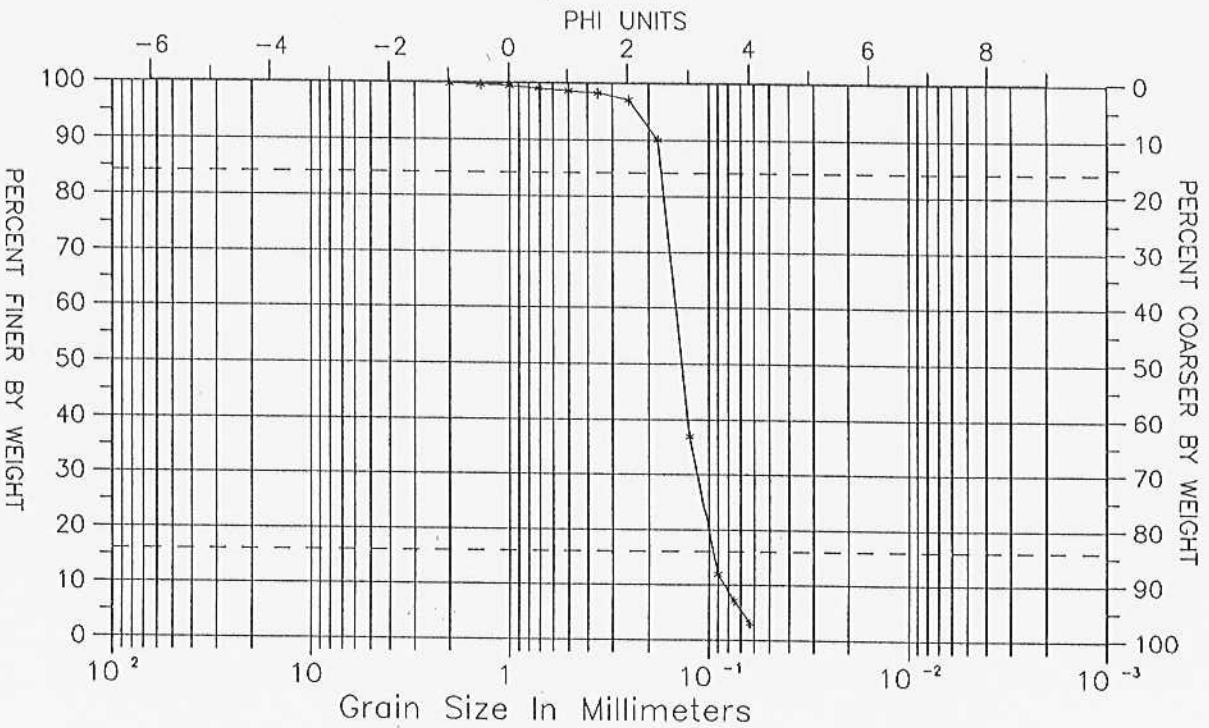
DRY SAMPLE WEIGHT (GRAMS): 280.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 230.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5	-2.0	4.000	4.75	1.69	98.31
7	-1.5	2.800	9.40	3.35	96.65
10	-1.0	2.000	16.90	6.03	93.97
14	-0.5	1.400	25.80	9.20	90.80
18	0.0	1.000	31.80	11.34	88.66
25	0.5	.710	35.50	12.67	87.33
35	1.0	.500	38.10	13.59	86.41
45	1.5	.355	40.00	14.27	85.73
60	2.0	.250	43.80	15.63	84.37
80	2.5	.180	52.70	18.80	81.20
120	3.0	.125	117.80	42.03	57.97
170	3.5	.090	200.80	71.64	28.36
200	3.75	.075	222.20	79.27	20.73
230	4.0	.063	253.50	90.44	9.56
PAN			280.30	100.00	.00

SIEVE LOSS(g):	.00	MEAN (mm):	.191
MEDIAN (mm):	.114	SORTING:	.898
SILT/CLAY:	20.73%	KURTOSIS:	2.222
SKEWNESS:	-3.359		

PHI(5): -1.19	PHI(16): 2.06	PHI(25): 2.63
PHI(50): 3.13	PHI(75): 3.61	PHI(84): 3.86
PHI(95): 4.10		

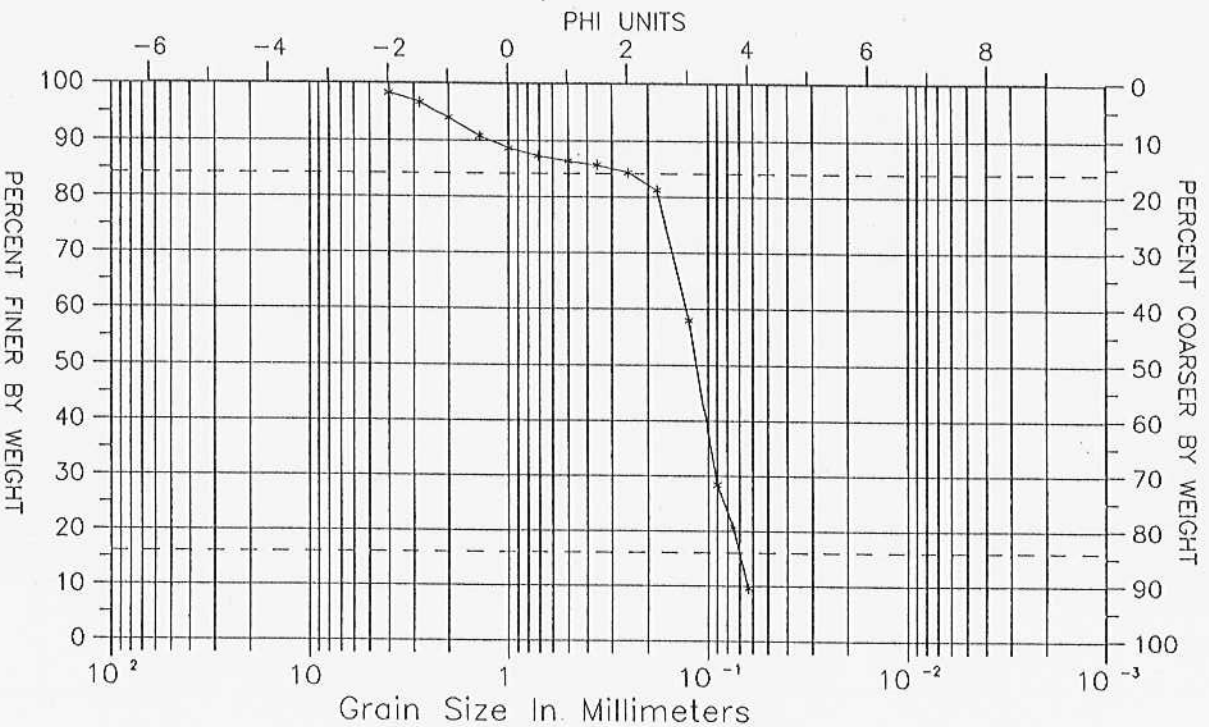
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:RFP3.TAB



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

SAMPLE NO.		CLASSIFICATION			
RFP3	3.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.127	.136	.430	SP-SM

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			
RFP3	9.0	MEAN	MEDIAN	SORTING	USCS
DEC. 1990		.191	.114	.898	SM

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