

VIBRACORE LOG

Project: <u>TOWN OF PALM BEACH - LAKE NORTH INLET</u> Core No: <u>6</u>						
Coordinates:		Date: <u>9-21-88</u>	Water Depth <u>24'</u> NGVD			
N = <u>881406.9</u>		Start Time <u>1430</u>	Driller <u>RODNEY MEYER</u>			
E = <u>816505.0</u>		End Time <u>1500</u>	Client Rep. <u>JEFF ANDELYS</u>			

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u> Length of Barrel <u>22'</u> Penetration Depth <u>17.6'</u> Length Recovered <u>15.8'</u> Length Retained <u>15.8'</u> Remarks: <u>PENETRATION TIME 12 MIN</u>		0				
				GREY SAND (104R711)		
				↓	2.0'	(SP)
		5				
Support Vessel <u>M-3</u> Positioning System <u>TRIPOUNDER</u> Positioning Remarks:						
					7.2'	(SP)
Weather <u>WARP</u> Wind Dir: <u>SE</u> Est. Speed <u>5-10 knots</u> Waves Dir: <u>SE</u> Height <u>0-2'</u> Current Dir: <u>NORTH</u> Est. Speed: <u>1-2 knots</u>		10		COARSE SAND & SHELL GREY SAND (104R711)		
					12.0'	(SP)
				SILT LAYER		
		15		CORAL & SHELL GREY SAND (104R711)		
Analysis By: <u>FK</u> Date: <u>9/25/88</u> Analysis Method: <u>VISUAL LOG</u> <u>MECHANICAL SIEVE</u>						
		20				

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES
NAME: FGK
DATE: OCT. 3, 1988

LINE NO. CORE #6
SAMPLE ELEVATION 2'

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 592.64
SAMPLE WEIGHT AFTER WASH 585.18

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.70 0.04	.12	99.88
7	-1.50	2.8	1.79 .16	.30	99.70
10	-1.00	2.0	4.19 .23	.71	99.29
14	-0.50	1.4	9.68 .51	1.63	98.37
18	0.00	1.0	20.47 1.14	3.45	96.55
25	0.50	0.71	35.72 1.02	6.03	93.97
35	1.00	0.5	70.00 2.91	11.81	88.19
45	1.50	0.355	174.51 9.74	29.45	70.55
60	2.00	0.25	258.50 14.43	43.62	56.38
80	2.50	0.18	438.89 24.80	74.06	25.94
120	3.00	0.125	566.21 31.61	95.54	4.46
170	3.50	0.09	583.44 32.57	98.45	1.55
200	3.75	0.075	583.94 32.60	98.53	1.47
230	4.00	0.063	584.13 32.61	99.19	.81
PAN			584.26 32.62	99.22	.78

SIEVE LOSS .92 MEDIAN (mm) .235
WT. AVE. (mm) .282 MEAN (mm) .268
SILT/CLAY % 1.31 SORTING .795
PHI(16) 1.103 PHI(84) 2.694

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES
NAME: FGK
DATE: OCT. 3, 1988

LINE NO. CORE #6
SAMPLE ELEVATION 7.2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 507.31
SAMPLE WEIGHT AFTER WASH 499.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	1.60	.32	99.68
7	-1.50	2.8	2.64	.52	99.48
10	-1.00	2.0	5.15	1.02	98.98
14	-0.50	1.4	10.40	2.05	97.95
18	0.00	1.0	19.72	3.89	96.11
25	0.50	0.71	34.11	6.72	93.28
35	1.00	0.5	70.09	13.82	86.18
45	1.50	0.355	151.00	29.76	70.24
60	2.00	0.25	209.72	41.34	58.66
80	2.50	0.18	354.22	69.82	30.18
120	3.00	0.125	471.04	92.85	7.15
170	3.50	0.09	497.96	98.16	1.84
200	3.75	0.075	498.57	98.28	1.72
230	4.00	0.063	499.02	99.11	.89
PAN			499.52	99.20	.80

SIEVE LOSS .28 MEDIAN (mm) .229
WT. AVE. (mm) .292 MEAN (mm) .265
SILT/CLAY % 1.67 SORTING .858
PHI(16) 1.058 PHI(84) 2.775

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

SAMPLE TYPE: CORE SAMPLES

NAME: FGK

DATE: OCT. 3, 1988

LINE NO. CORE #6
SAMPLE ELEVATION 12' DEEP

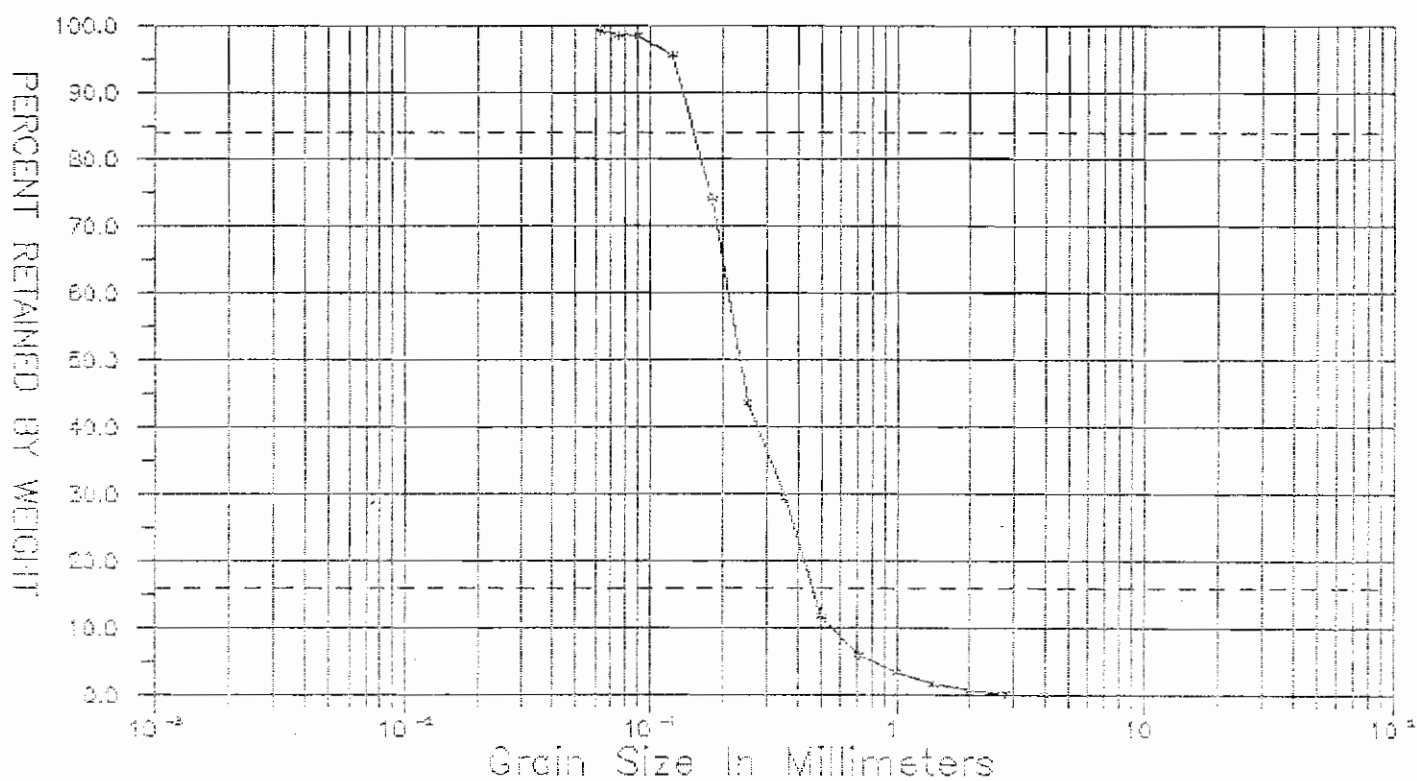
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 598.63
SAMPLE WEIGHT AFTER WASH 592.93

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.54	.09	99.91
7	-1.50	2.8	1.36	.23	99.77
10	-1.00	2.0	5.67	.95	99.05
14	-0.50	1.4	10.86	1.81	98.19
18	0.00	1.0	22.45	3.75	96.25
25	0.50	0.71	46.57	7.78	92.22
35	1.00	0.5	84.01	14.03	85.97
45	1.50	0.355	182.67	30.51	69.49
60	2.00	0.25	267.45	44.68	55.32
80	2.50	0.18	458.91	76.66	23.34
120	3.00	0.125	574.25	95.93	4.07
170	3.50	0.09	591.26	98.77	1.23
200	3.75	0.075	592.21	98.93	1.07
230	4.00	0.063	592.57	99.46	.54
PAN			592.63	99.47	.53

SIEVE LOSS .30 MEDIAN (mm) .238
WT. AVE. (mm) .294 MEAN (mm) .277
SILT/CLAY % 1.02 SORTING .801
PHI(16) 1.051 PHI(84) 2.652

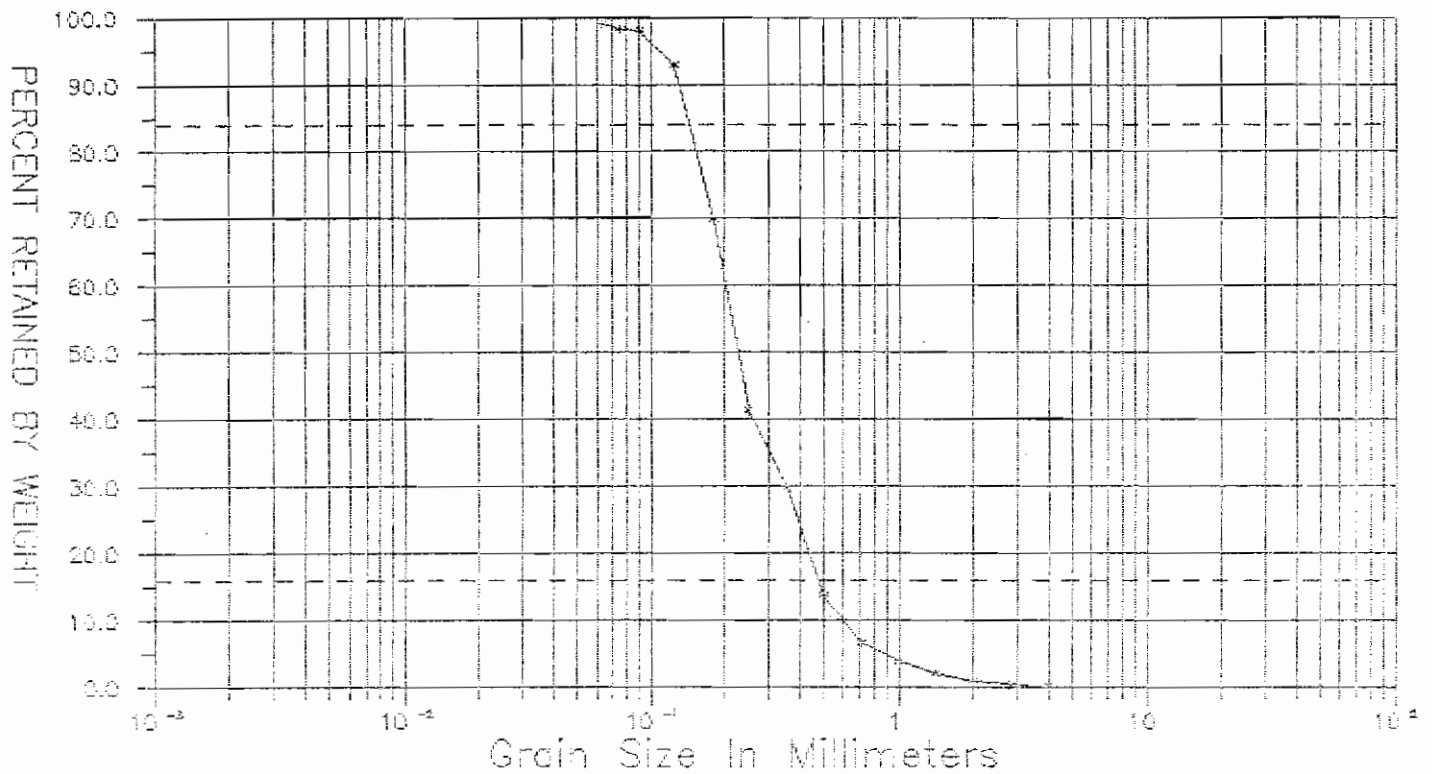
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #	DATE	MEAN	MEDIAN	USCS
98-20	8/21/98	.268	.236	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #2 7.2'	MEAN	MEDIAN	SORTING	USCS
5/21/92	.235	.229	.659	SP

TOWN OF PALM BEACH VIBRACORES. MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #	DATE	MEAN	MEDIAN	USCS
12.01	8/21/88	.277	.236	SP