

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 #3
SAMPLE ELEVATION 2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 570.00
SAMPLE WEIGHT AFTER WASH 563.34

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.30 .02	.05	99.95
7	-1.50	2.8	.91 .05	.16	99.84
10	-1.00	2.0	2.45 .12	.43	99.57
14	-0.50	1.4	5.21 .26	.91	99.09
18	0.00	1.0	11.03 .51	1.94	98.06
25	0.50	0.71	24.00	4.21	95.79
35	1.00	0.5	76.69	13.45	86.55
45	1.50	0.355	279.58	49.05	50.95
60	2.00	0.25	384.49	67.45	32.55
80	2.50	0.18	478.95	84.03	15.97
120	3.00	0.125	554.11	97.21	2.79
170	3.50	0.09	561.32	98.48	1.52
200	3.75	0.075	562.10	98.61	1.39
230	4.00	0.063	562.60	99.29	.71
PAN.			562.70	99.30	.70

SIEVE LOSS .64 MEDIAN (mm) .350
WT. AVE. (mm) .314 MEAN (mm) .297
SILT/CLAY % 1.27 SORTING .721
PHI(16) 1.030 PHI(84) 2.473

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

LINE NO. CORE #3
SAMPLE ELEVATION 6.3' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 541.81
SAMPLE WEIGHT AFTER WASH 530.01

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.43	.08	99.92
7	-1.50	2.8	1.40	.26	99.74
10	-1.00	2.0	2.83	.52	99.48
14	-0.50	1.4	6.42	1.18	98.82
18	0.00	1.0	15.00	2.77	97.23
25	0.50	0.71	26.65	4.92	95.08
35	1.00	0.5	82.47	15.22	84.78
45	1.50	0.355	229.87	42.43	57.57
60	2.00	0.25	336.95	62.19	37.81
80	2.50	0.18	416.78	76.92	23.08
120	3.00	0.125	512.04	94.51	5.49
170	3.50	0.09	526.47	97.17	2.83
200	3.75	0.075	529.36	97.70	2.30
230	4.00	0.063	529.71	98.86	1.14
PAN			529.82	98.88	1.12

SIEVE LOSS .19 MEDIAN (mm) .315
WT. AVE. (mm) .309 MEAN (mm) .280
SILT/CLAY % 2.26 SORTING .826
PHI(16) 1.012 PHI(84) 2.663

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

LINE NO. CORE #3
SAMPLE ELEVATION 12' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 488.32
SAMPLE WEIGHT AFTER WASH 481.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.00	.00	100.00
7	-1.50	2.8	.22	.05	99.95
10	-1.00	2.0	.55	.11	99.89
14	-0.50	1.4	1.15	.24	99.76
18	0.00	1.0	1.50	.31	99.69
25	0.50	0.71	2.50	.51	99.49
35	1.00	0.5	6.00	1.23	98.77
45	1.50	0.355	39.62	8.11	91.89
60	2.00	0.25	136.97	28.05	71.95
80	2.50	0.18	275.61	56.44	43.56
120	3.00	0.125	452.34	92.63	7.37
170	3.50	0.09	479.29	98.15	1.85
200	3.75	0.075	480.00	98.30	1.70
230	4.00	0.063	480.89	99.18	.82
PAN			481.03	99.21	.79

SIEVE LOSS .47 MEDIAN (mm) .196
WT. AVE. (mm) .189 MEAN (mm) .208
SILT/CLAY % 1.61 SORTING .591
PHI(16) 1.674 PHI(84) 2.856

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 #3
SAMPLE ELEVATION 17' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 465.22
SAMPLE WEIGHT AFTER WASH 462.29

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.11	.02	99.98
7	-1.50	2.8	.20	.04	99.96
10	-1.00	2.0	.25	.05	99.95
14	-0.50	1.4	.60	.13	99.87
18	0.00	1.0	1.25	.27	99.73
25	0.50	0.71	2.21	.48	99.52
35	1.00	0.5	9.55	2.05	97.95
45	1.50	0.355	104.90	22.55	77.45
60	2.00	0.25	240.00	51.59	48.41
80	2.50	0.18	340.21	73.13	26.87
120	3.00	0.125	443.70	95.37	4.63
170	3.50	0.09	459.93	98.86	1.14
200	3.75	0.075	460.50	98.99	1.01
230	4.00	0.063	461.11	99.43	.57
PAN			461.52	99.52	.48

SIEVE LOSS .77 MEDIAN (mm) .256
WT. AVE. (mm) .230 MEAN (mm) .248
SILT/CLAY % .85 SORTING .695
PHI(16) 1.317 PHI(84) 2.707

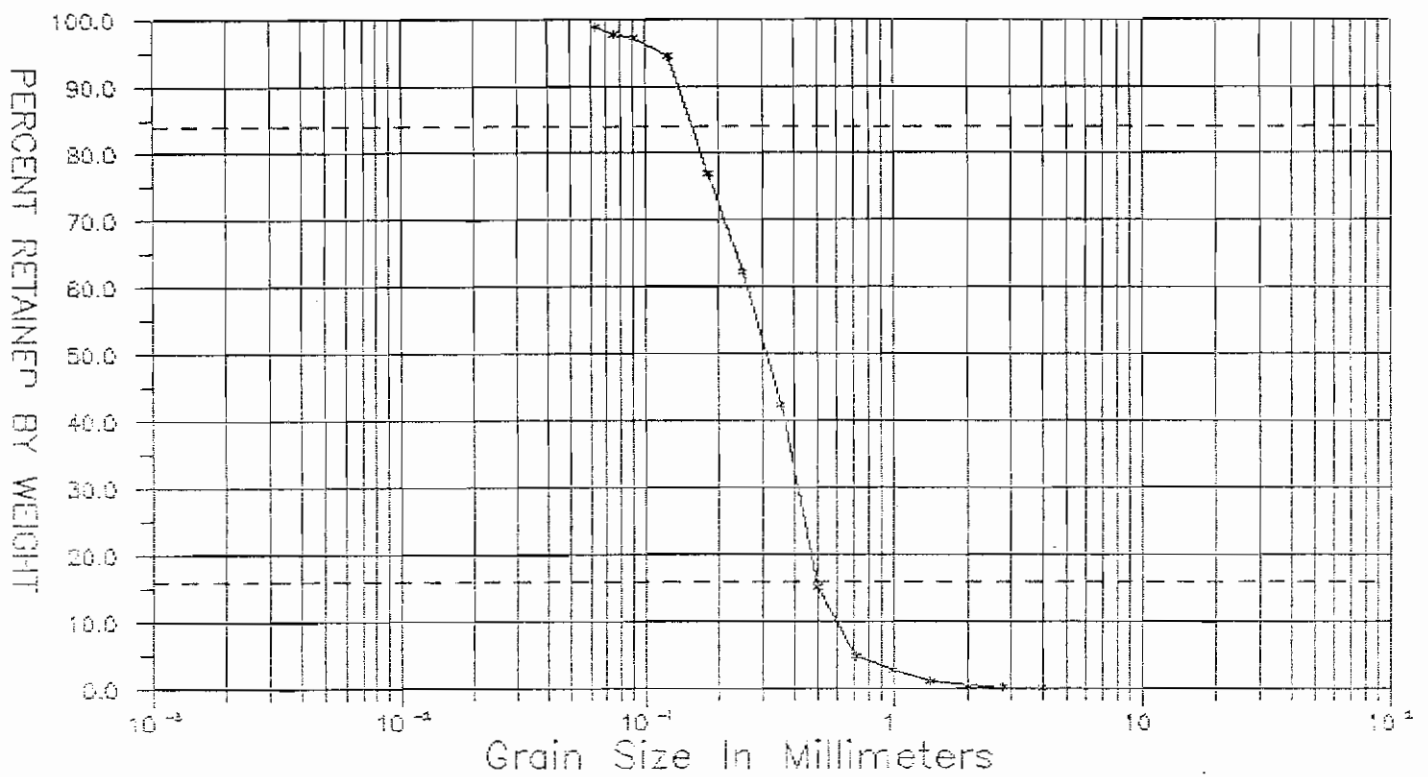
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #	DEPTH	MEAN	MEDIAN	USCS
9/20/98	2.0'	.297	.360	.721
				SP

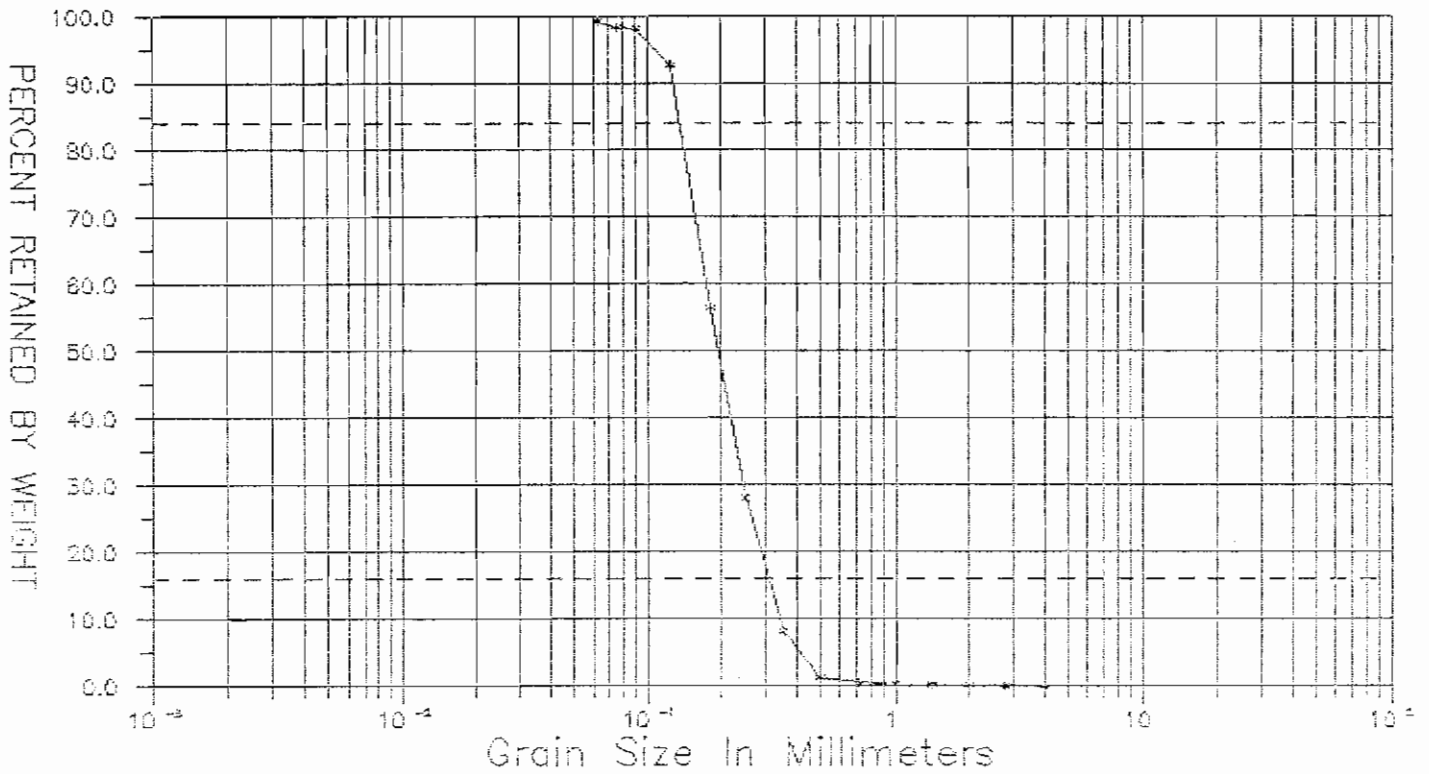
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #3 6.3'	MEAN	MEDIAN	SORTING	USCS
9/20/98	.250	.315	.826	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #3 12.0'	MEAN	MEDIAN	SORTING	USCS
9/20/98	209	.196	.691	SP

PERCENT RETAINED BY WEIGHT



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #5 17.0'	MEAN	MEDIAN	SORTING	USCS
9/20/98	.249	.256	.605	SP