

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 #5
SAMPLE ELEVATION 2.2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 512.42
SAMPLE WEIGHT AFTER WASH 508.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	2.26	.44	99.56
7	-1.50	2.8	4.03	.79	99.21
10	-1.00	2.0	8.06	1.57	98.43
14	-0.50	1.4	17.51	3.42	96.58
18	0.00	1.0	36.11	7.05	92.95
25	0.50	0.71	64.35	12.56	87.44
35	1.00	0.5	136.74	26.69	73.31
45	1.50	0.355	297.70	58.10	41.90
60	2.00	0.25	388.78	75.87	24.13
80	2.50	0.18	432.96	84.49	15.51
120	3.00	0.125	498.55	97.29	2.71
170	3.50	0.09	507.75	99.09	.91
200	3.75	0.075	507.77	99.09	.91
230	4.00	0.063	507.82	99.46	.54
PAN			507.84	99.46	.54

SIEVE LOSS .96 MEDIAN (mm) .392
WT. AVE. (mm) .407 MEAN (mm) .348
SILT/CLAY % .72 SORTING .920
PHI(16) .602 PHI(84) 2.442

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

LINE NO. CORE #5
SAMPLE ELEVATION 5.8' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 488.47
SAMPLE WEIGHT AFTER WASH 480.94

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.21	.04	99.96
7	-1.50	2.8	.62	.13	99.87
10	-1.00	2.0	1.30	.27	99.73
14	-0.50	1.4	3.45	.71	99.29
18	0.00	1.0	8.59	1.76	98.24
25	0.50	0.71	21.17	4.33	95.67
35	1.00	0.5	55.45	11.35	88.65
45	1.50	0.355	124.72	25.53	74.47
60	2.00	0.25	234.90	48.09	51.91
80	2.50	0.18	285.16	58.38	41.62
120	3.00	0.125	441.12	90.31	9.69
170	3.50	0.09	478.14	97.89	2.11
200	3.75	0.075	479.37	98.14	1.86
230	4.00	0.063	479.88	99.01	.99
PAN			480.50	99.14	.86

SIEVE LOSS .44 MEDIAN (mm) .237
WT. AVE. (mm) .253 MEAN (mm) .248
SILT/CLAY % 1.77 SORTING .868
PHI(16) 1.144 PHI(84) 2.880

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TOWN OF PALM BEACH VIBRACORES 9/20 & 9/21/88

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

LINE NO. CORE #5
SAMPLE ELEVATION 10.5' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 517.41
SAMPLE WEIGHT AFTER WASH 510.57

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	4.45	.86	99.14
7	-1.50	2.8	5.31	1.03	98.97
10	-1.00	2.0	6.55	1.27	98.73
14	-0.50	1.4	8.17	1.58	98.42
18	0.00	1.0	13.36	2.58	97.42
25	0.50	0.71	24.50	4.74	95.26
35	1.00	0.5	60.57	11.71	88.29
45	1.50	0.355	197.53	38.18	61.82
60	2.00	0.25	299.20	57.83	42.17
80	2.50	0.18	388.71	75.13	24.87
120	3.00	0.125	489.21	94.55	5.45
170	3.50	0.09	508.87	98.35	1.65
200	3.75	0.075	509.22	98.42	1.58
230	4.00	0.063	509.84	99.20	.80
PAN			510.00	99.23	.77

SIEVE LOSS .57 MEDIAN (mm) .292
WT. AVE. (mm) .315 MEAN (mm) .272
SILT/CLAY % 1.47 SORTING .811
PHI(16) 1.070 PHI(84) 2.691

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

LINE NO. CORE #5
SAMPLE ELEVATION 17.7'

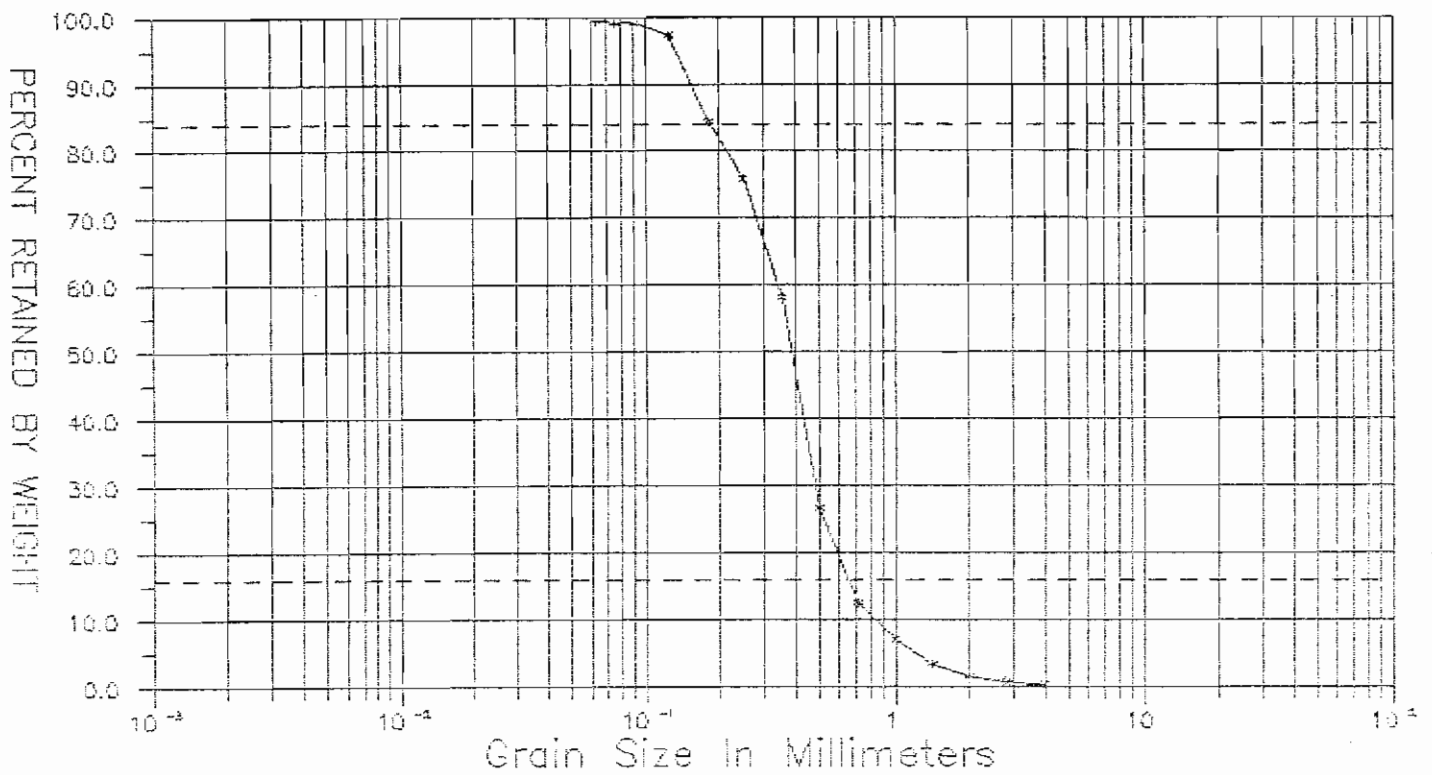
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 459.95
SAMPLE WEIGHT AFTER WASH 447.06

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	.00 0	.00	100.00
7	-1.50	2.8	.60 .03	.13	99.87
10	-1.00	2.0	1.32 .1	.29	99.71
14	-0.50	1.4	2.71 .2	.59	99.41
18	0.00	1.0	5.41 .39	1.18	98.82
25	0.50	0.71	10.49 .76	2.28	97.72
35	1.00	0.5	27.79 2.01	6.04	93.96
45	1.50	0.355	107.28 7.74	23.32	76.68
60	2.00	0.25	214.50 15.42	46.64	53.36
80	2.50	0.18	293.82 21.21	63.88	36.12
120	3.00	0.125	421.55 30.42	91.65	8.35
170	3.50	0.09	444.23 32.06	96.58	3.42
200	3.75	0.075	444.58 32.07	96.66	3.34
230	4.00	0.063	446.21 32.07	98.41	1.59
PAN			446.37 32.02	98.45	1.55

SIEVE LOSS .69 MEDIAN (mm) .236
WT. AVE. (mm) .240 MEAN (mm) .242
SILT/CLAY % 3.19 SORTING .786
PHI(16) 1.264 PHI(84) 2.835

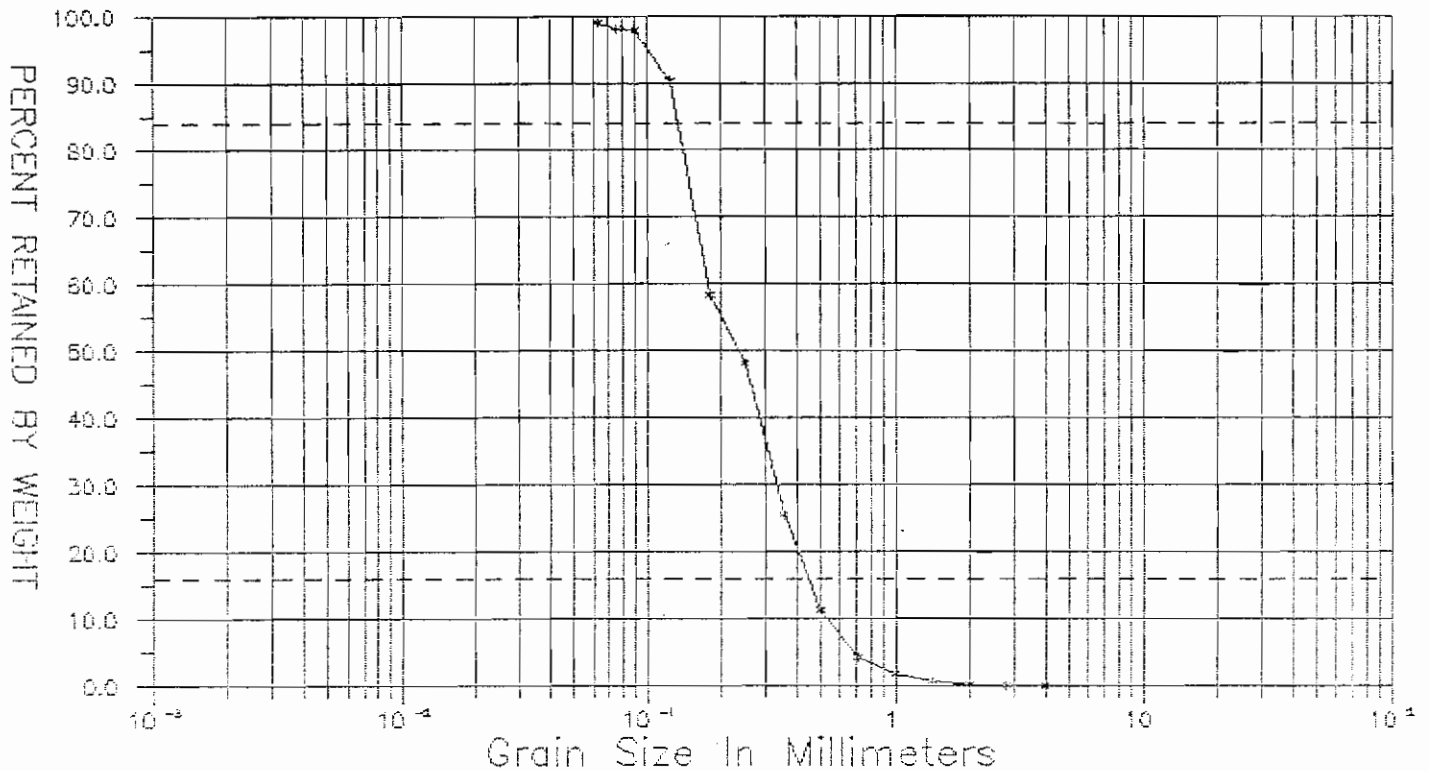
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE # & D.	MEAN	MEDIAN	SORTING	USCS
9/20/88	.348	.392	.920	SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #/S	MEAN	MEDIAN	SORTING	USCS
9/20/98	.248	.237	.969	SP

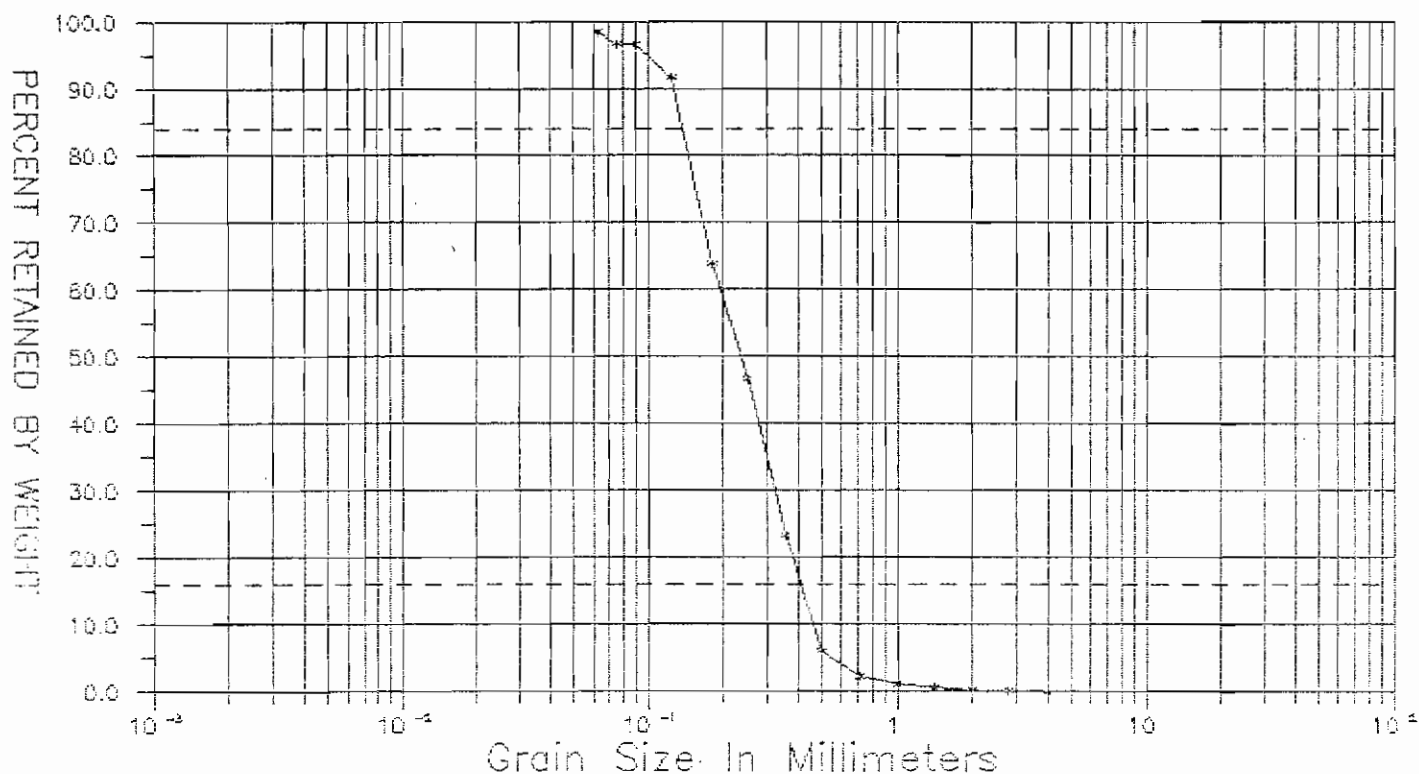
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION		
CORE #	DATE	MEAN	MEDIAN	USCS
10.5	9/20/88	.272	.292	.811
				SP

TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #5 17.7'	MEAN	MEDIAN	SORTING	USCS
5/20/88	.242	.236	.788	SP