

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

SAMPLE TYPE: CORE SAMPLES

NAME: FGK

DATE: OCT. 3, 1988

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LINE NO. CORE #2  
SAMPLE ELEVATION 2' DEEP  
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USCS  
DESCRIPTION  
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DRY SAMPLE WT. (GRAMS) 532.95  
SAMPLE WEIGHT AFTER WASH 526.81  
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SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	1.71 <sup>1.71</sup>	.32	99.68
7	-1.50	2.8	1.96 <sup>1.96</sup>	.37	99.63
10	-1.00	2.0	2.34 <sup>2.34</sup>	.44	99.56
14	-0.50	1.4	3.52 <sup>3.52</sup>	.66	99.34
18	0.00	1.0	6.02 <sup>6.02</sup>	1.13	98.87
25	0.50	0.71	9.87 <sup>9.87</sup>	1.85	98.15
35	1.00	0.5	23.57 <sup>23.57</sup>	4.42	95.58
45	1.50	0.355	153.56 <sup>153.56</sup>	28.81	71.19
60	2.00	0.25	294.21 <sup>294.21</sup>	55.20	44.80
80	2.50	0.18	405.20 <sup>405.20</sup>	76.03	23.97
120	3.00	0.125	504.20 <sup>504.20</sup>	94.61	5.39
170	3.50	0.09	525.69 <sup>525.69</sup>	98.64	1.36
200	3.75	0.075	526.25 <sup>526.25</sup>	98.74	1.26
230	4.00	0.063	526.55 <sup>526.55</sup>	99.38	.62
PAN			526.64 <sup>526.64</sup>	99.39	.61

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SIEVE LOSS .17 MEDIAN (mm) .271  
WT. AVE. (mm) .261 MEAN (mm) .260  
SILT/CLAY % 1.23 SORTING .732  
PHI(16) 1.214 PHI(84) 2.677  
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SAMPLE TYPE: CORE SAMPLES  
NAME: FGK  
DATE: OCT. 3, 1988

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LINE NO. CORE #2  
SAMPLE ELEVATION 7' DEEP  
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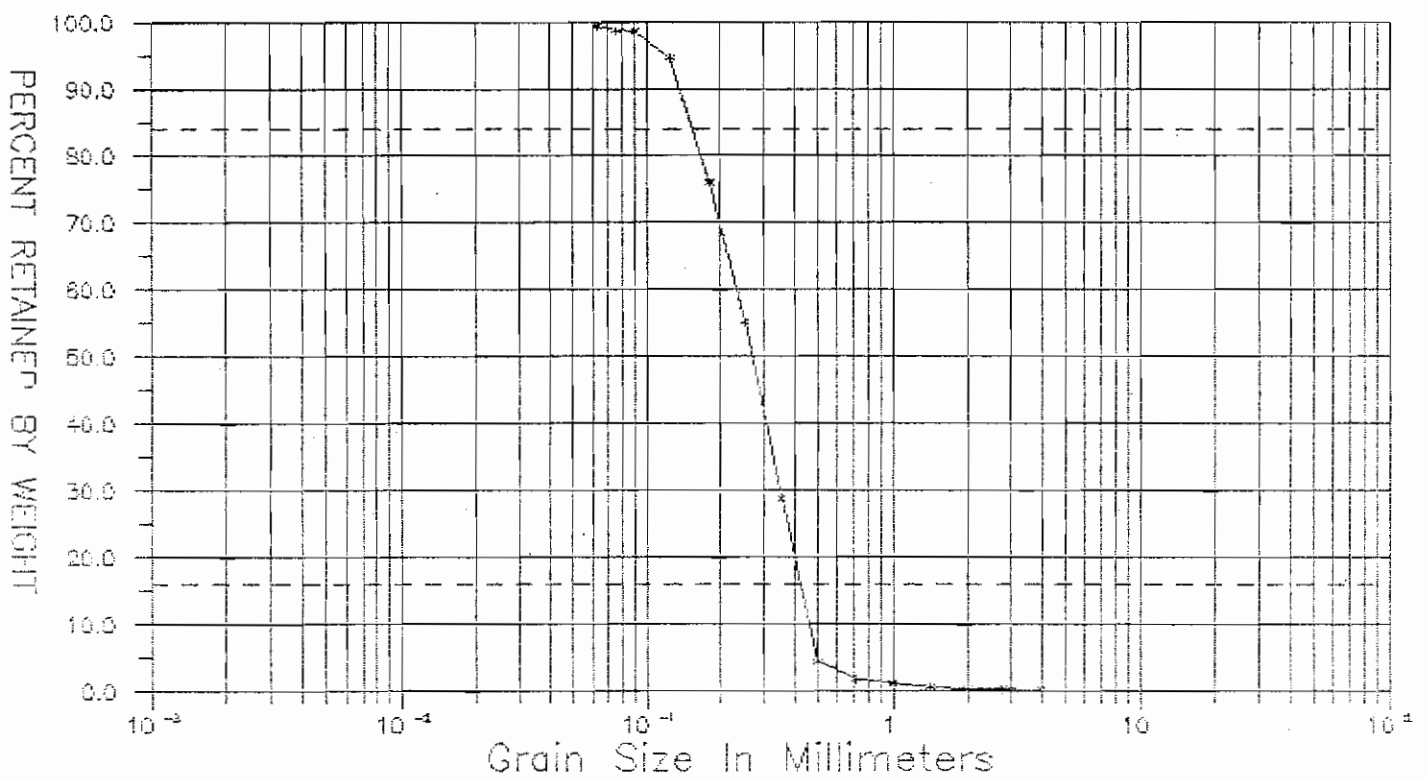
USCS  
DESCRIPTION  
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DRY SAMPLE WT. (GRAMS) 596.27  
SAMPLE WEIGHT AFTER WASH 588.95  
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SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	%RET.	%PASS
5	-2.00	4.0	19.02	3.19	96.81
7	-1.50	2.8	20.45	3.43	96.57
10	-1.00	2.0	22.62	3.79	96.21
14	-0.50	1.4	25.76	4.32	95.68
18	0.00	1.0	30.75	5.16	94.84
25	0.50	0.71	41.21	6.91	93.09
35	1.00	0.5	70.20	11.77	88.23
45	1.50	0.355	144.30	24.20	75.80
60	2.00	0.25	246.95	41.42	58.58
80	2.50	0.18	408.05	68.43	31.57
120	3.00	0.125	557.20	93.45	6.55
170	3.50	0.09	585.52	98.20	1.80
200	3.75	0.075	586.65	98.39	1.61
230	4.00	0.063	587.00	99.06	.94
PAN			587.37	99.12	.88

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SIEVE LOSS 1.58 MEDIAN (mm) .228  
WT. AVE. (mm) .370 MEAN (mm) .256  
SILT/CLAY % 1.35 SORTING .814  
PHI(16) 1.150 PHI(84) 2.778  
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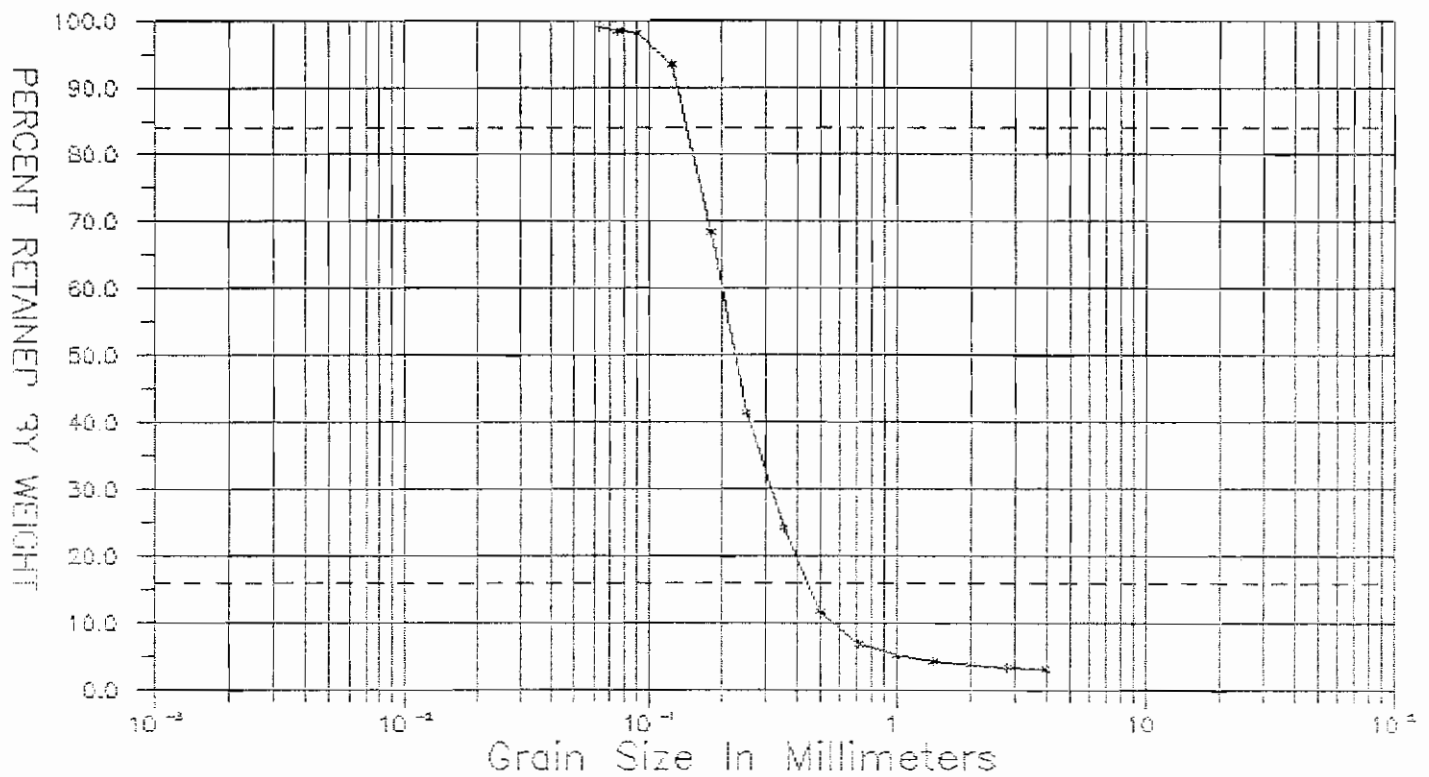
# TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.		CLASSIFICATION			
CORE #	DATE	MEAN	MEDIAN	SORTING	USCS
9/20/98		.260	.271	.732	SP

# TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.	CLASSIFICATION			
CORE #2 7.0'	MEAN	MEDIAN	SORTING	USCS
9/20/98	253	228	.814	SP