

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 #2
SAMPLE ELEVATION 2' DEEP

USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 532.95
SAMPLE WEIGHT AFTER WASH 526.81

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | GRAMS | %RET. | %PASS |
|---------------|-------------|-------------------|--------------------------|-------|-------|
| 5 | -2.00 | 4.0 | 1.71 ^{1.71} | .32 | 99.68 |
| 7 | -1.50 | 2.8 | 1.96 ^{1.96} | .37 | 99.63 |
| 10 | -1.00 | 2.0 | 2.34 ^{2.34} | .44 | 99.56 |
| 14 | -0.50 | 1.4 | 3.52 ^{3.52} | .66 | 99.34 |
| 18 | 0.00 | 1.0 | 6.02 ^{6.02} | 1.13 | 98.87 |
| 25 | 0.50 | 0.71 | 9.87 ^{9.87} | 1.85 | 98.15 |
| 35 | 1.00 | 0.5 | 23.57 ^{23.57} | 4.42 | 95.58 |
| 45 | 1.50 | 0.355 | 153.56 ^{153.56} | 28.81 | 71.19 |
| 60 | 2.00 | 0.25 | 294.21 ^{294.21} | 55.20 | 44.80 |
| 80 | 2.50 | 0.18 | 405.20 ^{405.20} | 76.03 | 23.97 |
| 120 | 3.00 | 0.125 | 504.20 ^{504.20} | 94.61 | 5.39 |
| 170 | 3.50 | 0.09 | 525.69 ^{525.69} | 98.64 | 1.36 |
| 200 | 3.75 | 0.075 | 526.25 ^{526.25} | 98.74 | 1.26 |
| 230 | 4.00 | 0.063 | 526.55 ^{526.55} | 99.38 | .62 |
| PAN | | | 526.64 ^{526.64} | 99.39 | .61 |

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

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 #2
SAMPLE ELEVATION 7' DEEP

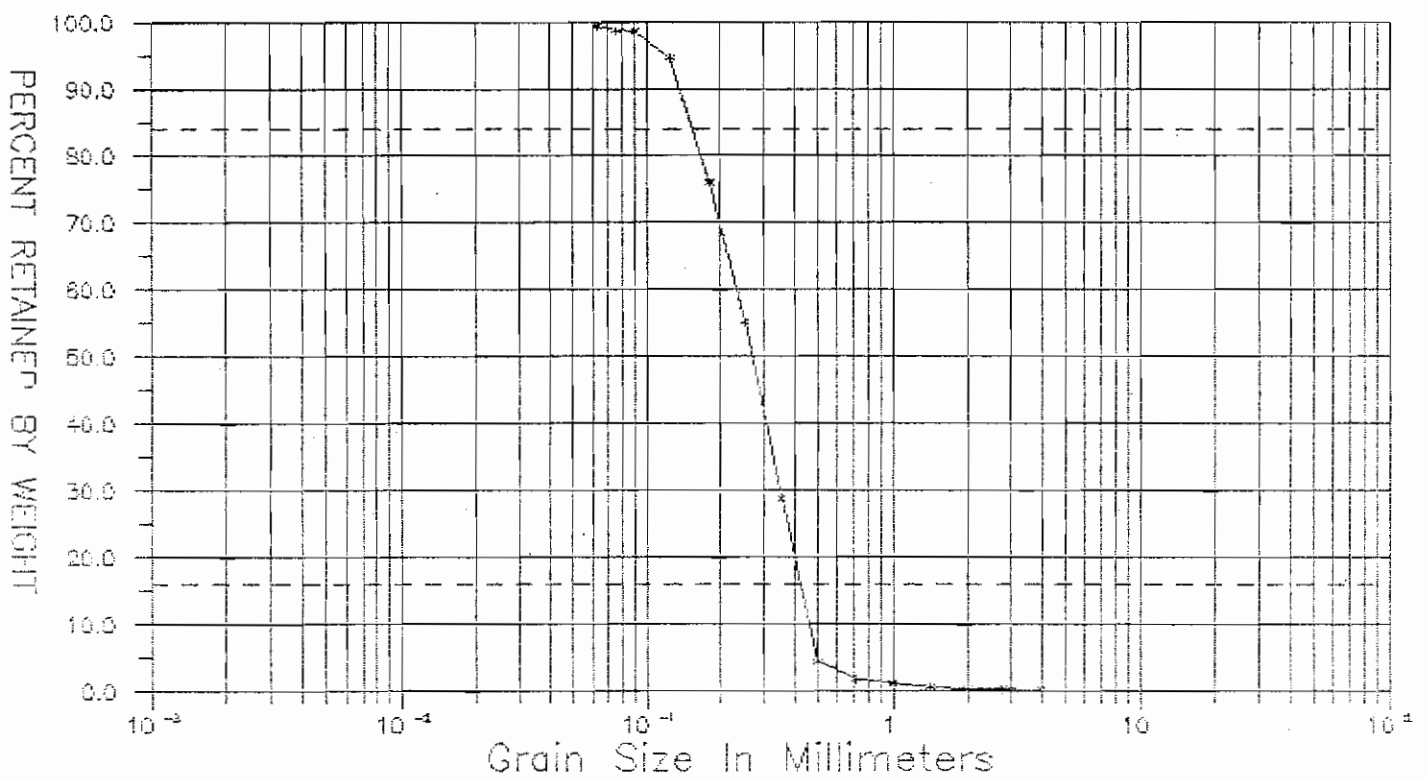
USCS
DESCRIPTION

DRY SAMPLE WT. (GRAMS) 596.27
SAMPLE WEIGHT AFTER WASH 588.95

| 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 |

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

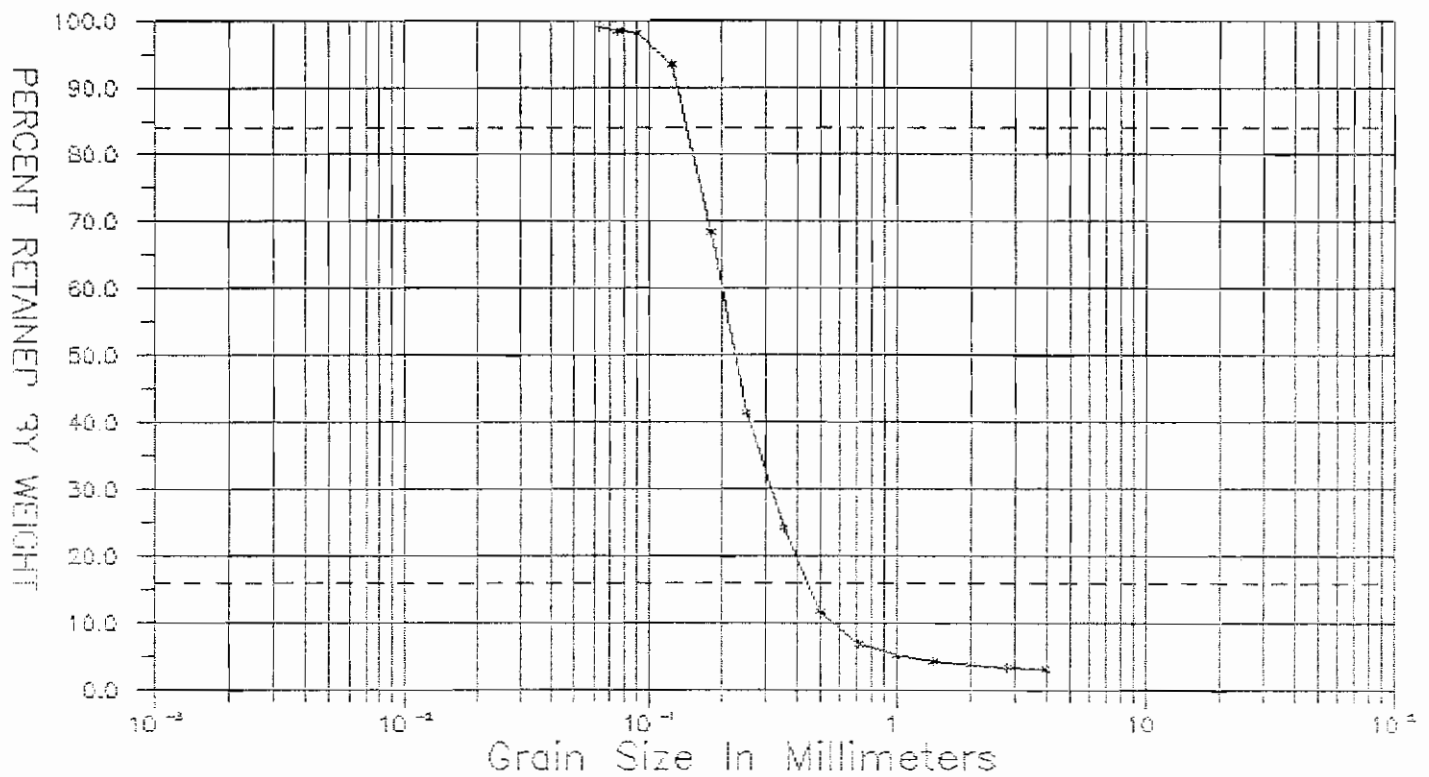
TOWN OF PALM BEACH VIBRACORES MECHANICAL ANALYSIS CHART



| 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 |
| | | | | |
| | | | | |