

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 21#1

SAMPLE ELEV. (FT. NGVD): -59.9

SAMPLE DEPTH (FT.): 4.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 79.53

SAMPLE WEIGHT AFTER WASH (GRAMS): 78.51

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.00 | 16.000 | 0.00 | 0.00 | 100.00 |
| 5/16 | -3.00 | 8.000 | 0.16 | 0.20 | 99.80 |
| 5 | -2.00 | 4.000 | 0.18 | 0.23 | 99.77 |
| 7 | -1.50 | 2.800 | 0.18 | 0.23 | 99.77 |
| 10 | -1.00 | 2.000 | 0.25 | 0.31 | 99.69 |
| 14 | -0.50 | 1.400 | 0.34 | 0.43 | 99.57 |
| 18 | 0.00 | 1.000 | 0.44 | 0.55 | 99.45 |
| 25 | 0.50 | 0.710 | 0.57 | 0.72 | 99.28 |
| 35 | 1.00 | 0.500 | 0.80 | 1.01 | 98.99 |
| 45 | 1.50 | 0.355 | 1.07 | 1.35 | 98.65 |
| 60 | 2.00 | 0.250 | 1.95 | 2.45 | 97.55 |
| 80 | 2.50 | 0.180 | 6.66 | 8.37 | 91.63 |
| 120 | 3.00 | 0.125 | 47.86 | 60.18 | 39.82 |
| 170 | 3.50 | 0.090 | 77.83 | 97.86 | 2.14 |
| 200 | 3.75 | 0.075 | 78.35 | 98.52 | 1.48 |
| 230 | 4.00 | 0.063 | 78.92 | 99.23 | 0.77 |
| PAN | | | 79.49 | 99.95 | 0.05 |

PHI(5): 2.22

PHI(16): 2.57

PHI(25): 2.66

PHI(50): 2.90

PHI(75): 3.20

PHI(84): 3.32

PHI(95): 3.46

SIEVE LOSS(g): 0.04

SILT/CLAY: 1.48%

SKEWNESS: -0.170

KURTOSIS: 0.953

GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87

SORTING: 0.52

MEAN (mm): 0.14

DATA FILE NAME: VC99-21#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 21#2
SAMPLE ELEV. (FT. NGVD): -63.9
SAMPLE DEPTH (FT.): 8.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.92
SAMPLE WEIGHT AFTER WASH (GRAMS): 86.48

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.00 | 16.000 | 0.00 | 0.00 | 100.00 |
| 5/16 | -3.00 | 8.000 | 0.00 | 0.00 | 100.00 |
| 5 | -2.00 | 4.000 | 0.00 | 0.00 | 100.00 |
| 7 | -1.50 | 2.800 | 0.01 | 0.01 | 99.99 |
| 10 | -1.00 | 2.000 | 0.07 | 0.08 | 99.92 |
| 14 | -0.50 | 1.400 | 0.15 | 0.17 | 99.83 |
| 18 | 0.00 | 1.000 | 0.20 | 0.23 | 99.77 |
| 25 | 0.50 | 0.710 | 0.30 | 0.34 | 99.66 |
| 35 | 1.00 | 0.500 | 0.53 | 0.60 | 99.40 |
| 45 | 1.50 | 0.355 | 0.95 | 1.08 | 98.92 |
| 60 | 2.00 | 0.250 | 1.99 | 2.26 | 97.74 |
| 80 | 2.50 | 0.180 | 7.38 | 8.39 | 91.61 |
| 120 | 3.00 | 0.125 | 57.48 | 65.38 | 34.62 |
| 170 | 3.50 | 0.090 | 84.73 | 96.37 | 3.63 |
| 200 | 3.75 | 0.075 | 86.22 | 98.07 | 1.93 |
| 230 | 4.00 | 0.063 | 87.03 | 98.99 | 1.01 |
| PAN | | | 87.90 | 99.98 | 0.02 |

| | | |
|---------------|---------------|---------------|
| PHI(5): 2.22 | PHI(16): 2.57 | PHI(25): 2.65 |
| PHI(50): 2.87 | PHI(75): 3.16 | PHI(84): 3.30 |
| PHI(95): 3.48 | | |

| | |
|---------------------|------------------|
| SIEVE LOSS(g): 0.02 | SILT/CLAY: 1.93% |
| SKEWNESS: -0.040 | KURTOSIS: 1.009 |

GRAPHIC METHOD

| | |
|------------------|-------------------|
| MEAN (PHI): 2.89 | SORTING: 0.37 |
| MEAN (mm): 0.14 | MEDIAN (mm): 0.14 |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

| | |
|------------------|---------------|
| MEAN (PHI): 2.87 | SORTING: 0.42 |
| MEAN (mm): 0.14 | |

DATA FILE NAME: VC99-21#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 21#3
SAMPLE ELEV. (FT. NGVD): -70.1
SAMPLE DEPTH (FT.): 14.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.07
SAMPLE WEIGHT AFTER WASH (GRAMS): 85.30

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.00 | 16.000 | 0.00 | 0.00 | 100.00 |
| 5/16 | -3.00 | 8.000 | 0.00 | 0.00 | 100.00 |
| 5 | -2.00 | 4.000 | 0.14 | 0.16 | 99.84 |
| 7 | -1.50 | 2.800 | 0.30 | 0.34 | 99.66 |
| 10 | -1.00 | 2.000 | 0.42 | 0.48 | 99.52 |
| 14 | -0.50 | 1.400 | 0.58 | 0.67 | 99.33 |
| 18 | 0.00 | 1.000 | 0.75 | 0.86 | 99.14 |
| 25 | 0.50 | 0.710 | 1.06 | 1.22 | 98.78 |
| 35 | 1.00 | 0.500 | 1.69 | 1.94 | 98.06 |
| 45 | 1.50 | 0.355 | 2.57 | 2.95 | 97.05 |
| 60 | 2.00 | 0.250 | 5.15 | 5.91 | 94.09 |
| 80 | 2.50 | 0.180 | 15.24 | 17.50 | 82.50 |
| 120 | 3.00 | 0.125 | 60.95 | 70.00 | 30.00 |
| 170 | 3.50 | 0.090 | 84.25 | 96.76 | 3.24 |
| 200 | 3.75 | 0.075 | 83.90 | 96.36 | 3.64 |
| 230 | 4.00 | 0.063 | 86.04 | 98.82 | 1.18 |
| PAN | | | 87.05 | 99.98 | 0.02 |

PHI(5): 1.85 PHI(16): 2.44 PHI(25): 2.57
PHI(50): 2.81 PHI(75): 3.09 PHI(84): 3.26
PHI(95): 3.47

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.64%
SKEWNESS: -0.371 KURTOSIS: 1.273

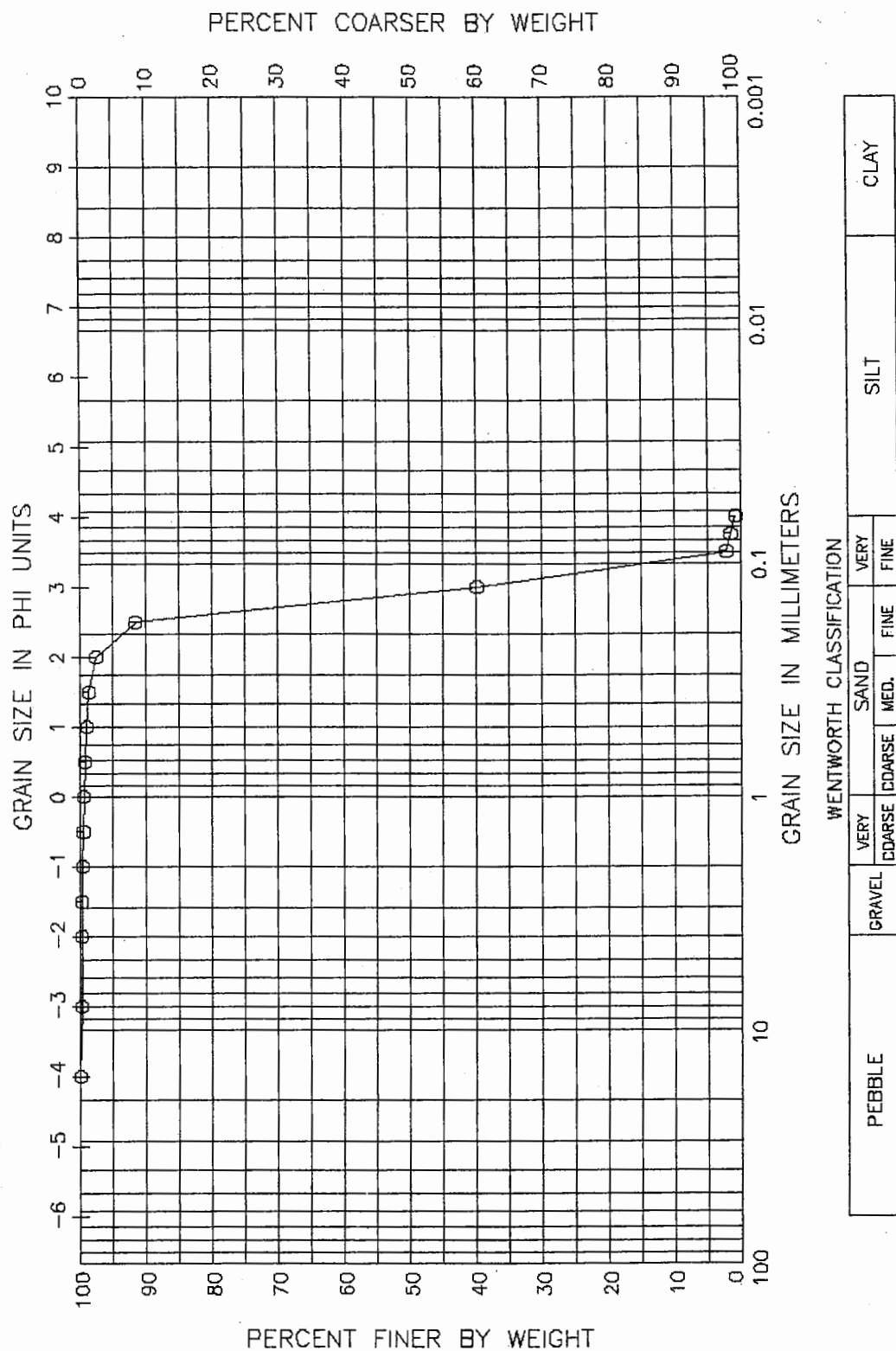
GRAPHIC METHOD

MEAN (PHI): 2.76 SORTING: 0.41
MEAN (mm): 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.75 SORTING: 0.61
MEAN (mm): 0.15

DATA FILE NAME: VC99-21#3.TAB



| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| VC99 21#1 | -59.9 | 4.5 | SP | 0.14 | 0.13 | 0.52 |
| | | | | | | |
| | | | | | | |

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

