

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/15/99

SAMPLE NO.: VC99 47#1

SAMPLE ELEV. (FT. NGVD): -41.2

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 169.49

SAMPLE WEIGHT AFTER WASH (GRAMS): 166.82

| 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 | 0.06 | 0.04 | 99.96 |
| 7 | -1.50 | 2.800 | 0.26 | 0.15 | 99.85 |
| 10 | -1.00 | 2.000 | 0.37 | 0.22 | 99.78 |
| 14 | -0.50 | 1.400 | 0.66 | 0.39 | 99.61 |
| 18 | 0.00 | 1.000 | 0.95 | 0.56 | 99.44 |
| 25 | 0.50 | 0.710 | 1.34 | 0.79 | 99.21 |
| 35 | 1.00 | 0.500 | 1.97 | 1.16 | 98.84 |
| 45 | 1.50 | 0.355 | 2.85 | 1.68 | 98.32 |
| 60 | 2.00 | 0.250 | 5.60 | 3.30 | 96.70 |
| 80 | 2.50 | 0.180 | 18.07 | 10.66 | 89.34 |
| 120 | 3.00 | 0.125 | 94.71 | 55.88 | 44.12 |
| 170 | 3.50 | 0.090 | 164.30 | 96.94 | 3.06 |
| 200 | 3.75 | 0.075 | 166.49 | 98.23 | 1.77 |
| 230 | 4.00 | 0.063 | 168.08 | 99.17 | 0.83 |
| PAN | | | 169.49 | 100.00 | 0.00 |

PHI (5): 2.12

PHI (16): 2.56

PHI (25): 2.66

PHI (50): 2.93

PHI (75): 3.23

PHI (84): 3.34

PHI (95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.77%

SKEWNESS: -0.355

KURTOSIS: 0.971

GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.39

MEAN (mm): 0.14

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88

SORTING: 0.51

MEAN (mm): 0.14

DATA FILE NAME: VC99-47#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/15/99

SAMPLE NO.: VC99 47#2
SAMPLE ELEV. (FT. NGVD): -46.2
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 183.67
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.74

| 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 | 0.05 | 0.03 | 99.97 |
| 7 | -1.50 | 2.800 | 0.25 | 0.14 | 99.86 |
| 10 | -1.00 | 2.000 | 0.50 | 0.27 | 99.73 |
| 14 | -0.50 | 1.400 | 0.86 | 0.47 | 99.53 |
| 18 | 0.00 | 1.000 | 1.25 | 0.68 | 99.32 |
| 25 | 0.50 | 0.710 | 1.75 | 0.95 | 99.05 |
| 35 | 1.00 | 0.500 | 2.57 | 1.40 | 98.60 |
| 45 | 1.50 | 0.355 | 3.91 | 2.13 | 97.87 |
| 60 | 2.00 | 0.250 | 7.56 | 4.12 | 95.88 |
| 80 | 2.50 | 0.180 | 26.39 | 14.37 | 85.63 |
| 120 | 3.00 | 0.125 | 130.39 | 70.99 | 29.01 |
| 170 | 3.50 | 0.090 | 179.11 | 97.52 | 2.48 |
| 200 | 3.75 | 0.075 | 180.41 | 98.23 | 1.77 |
| 230 | 4.00 | 0.063 | 182.13 | 99.16 | 0.84 |
| PAN | | | 183.66 | 99.99 | 0.01 |

PHI (5): 2.04 PHI (16): 2.51 PHI (25): 2.59
PHI (50): 2.81 PHI (75): 3.08 PHI (84): 3.25
PHI (95): 3.45

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.77%
SKEWNESS: -0.183 KURTOSIS: 1.199

GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.78 SORTING: 0.53
MEAN (mm): 0.15

DATA FILE NAME: VC99-47#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/15/99

SAMPLE NO.: VC99 47#3
SAMPLE ELEV. (FT. NGVD): -51.2
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 190.85
SAMPLE WEIGHT AFTER WASH (GRAMS): 186.79

| 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 | 0.93 | 0.49 | 99.51 |
| 7 | -1.50 | 2.800 | 2.19 | 1.15 | 98.85 |
| 10 | -1.00 | 2.000 | 4.80 | 2.52 | 97.48 |
| 14 | -0.50 | 1.400 | 7.46 | 3.91 | 96.09 |
| 18 | 0.00 | 1.000 | 8.84 | 4.63 | 95.37 |
| 25 | 0.50 | 0.710 | 10.10 | 5.29 | 94.71 |
| 35 | 1.00 | 0.500 | 11.34 | 5.94 | 94.06 |
| 45 | 1.50 | 0.355 | 12.67 | 6.64 | 93.36 |
| 60 | 2.00 | 0.250 | 16.31 | 8.55 | 91.45 |
| 80 | 2.50 | 0.180 | 31.10 | 16.30 | 83.70 |
| 120 | 3.00 | 0.125 | 118.89 | 62.29 | 37.71 |
| 170 | 3.50 | 0.090 | 184.50 | 96.67 | 3.33 |
| 200 | 3.75 | 0.075 | 186.36 | 97.65 | 2.35 |
| 230 | 4.00 | 0.063 | 188.71 | 98.88 | 1.12 |
| PAN | | | 190.85 | 100.00 | 0.00 |

PHI (5): 0.28 PHI (16): 2.48 PHI (25): 2.59
PHI (50): 2.87 PHI (75): 3.18 PHI (84): 3.32
PHI (95): 3.48

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.35%
SKEWNESS: -2.370 KURTOSIS: 2.220

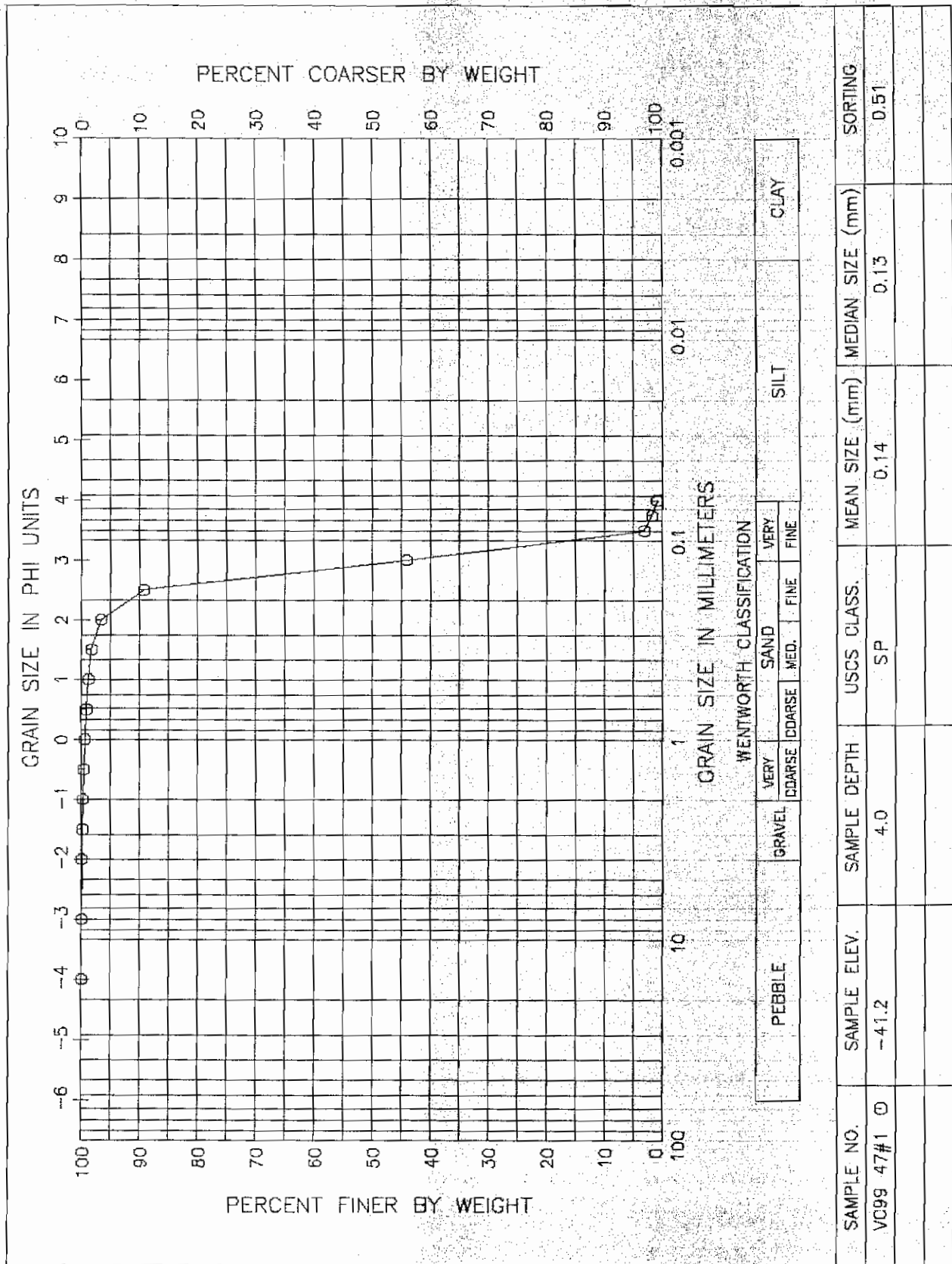
GRAPHIC METHOD

MEAN (PHI): 2.48 SORTING: 0.42
MEAN (mm): 0.18 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

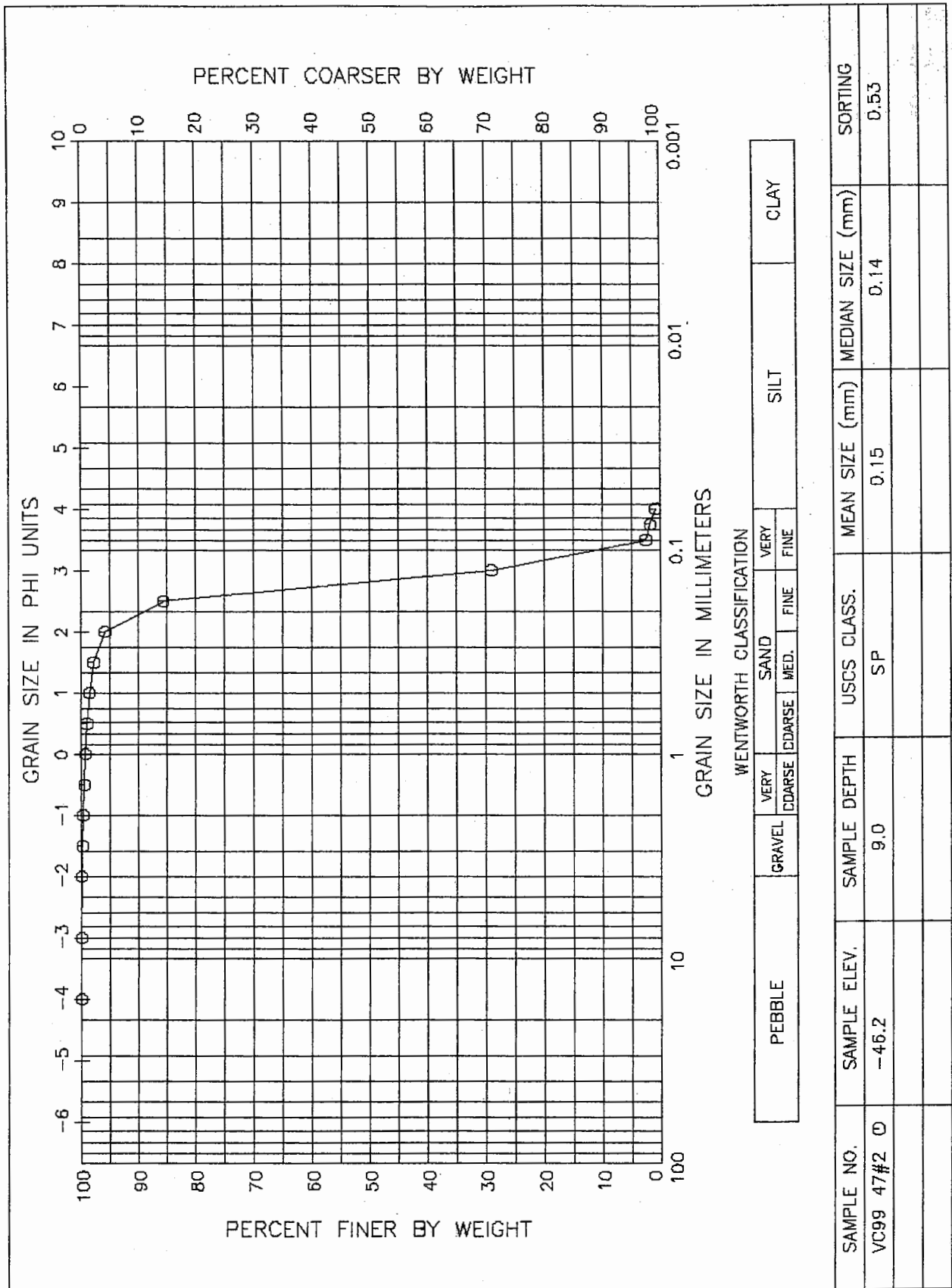
MOMENT METHOD

MEAN (PHI): 2.67 SORTING: 0.98
MEAN (mm): 0.16

DATA FILE NAME: VC99-47#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

