

GRADATION ANALYSIS REPORT
BOCA INLET EBB SHOAL 02-18-93

TESTED BY: MDA ON: 03-09-93

SAMPLE NO.: CORE #5
SAMPLE ELEV. (FT. NGVD): -15.10
SAMPLE DEPTH (FT.): 0.9
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 202.65
SAMPLE WEIGHT AFTER WASH (GRAMS): 202.45

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | 3.15 | 1.55 | 98.45 |
| 5 | -2.0 | 4.000 | 10.50 | 5.18 | 94.82 |
| 7 | -1.5 | 2.800 | 14.30 | 7.06 | 92.94 |
| 10 | -1.0 | 2.000 | 17.40 | 8.59 | 91.41 |
| 14 | -0.5 | 1.400 | 22.20 | 10.95 | 89.05 |
| 18 | 0.0 | 1.000 | 28.80 | 14.21 | 85.79 |
| 25 | 0.5 | .710 | 46.25 | 22.82 | 77.18 |
| 35 | 1.0 | .500 | 101.90 | 50.28 | 49.72 |
| 45 | 1.5 | .355 | 151.20 | 74.61 | 25.39 |
| 60 | 2.0 | .250 | 199.25 | 98.32 | 1.68 |
| 80 | 2.5 | .180 | 201.10 | 99.24 | .76 |
| 120 | 3.0 | .125 | 202.20 | 99.78 | .22 |
| 170 | 3.5 | .090 | 202.20 | 99.78 | .22 |
| 200 | 3.75 | .075 | 202.20 | 99.78 | .22 |
| 230 | 4.0 | .063 | 202.30 | 99.83 | .17 |
| PAN | | | 202.40 | 99.88 | .12 |

| | | | |
|-----------------|--------|------------|-------|
| SIEVE LOSS (g): | .25 | MEAN (mm): | .690 |
| MEDIAN (mm): | .502 | SORTING: | .797 |
| SILT/CLAY: | .22% | KURTOSIS: | 1.684 |
| SKEWNESS: | -2.110 | | |

| | | |
|----------------------------|---------------|---------------|
| PHI(5): -2.05 | PHI(16): .10 | PHI(25): .54 |
| PHI(50): .99 | PHI(75): 1.51 | PHI(84): 1.70 |
| PHI(95): 1.93 | | |
| COEFFICIENT OF CURVATURE : | .887 | |
| COEFFICIENT OF UNIFORMITY: | 2.016 | |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#5-#10.TAB

GRADATION ANALYSIS REPORT
BOCA INLET EBB SHOAL 02-18-93

TESTED BY: MDA ON: 03-09-93

SAMPLE NO.: CORE #5
SAMPLE ELEV. (FT. NGVD): -21.8
SAMPLE DEPTH (FT.): 7.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

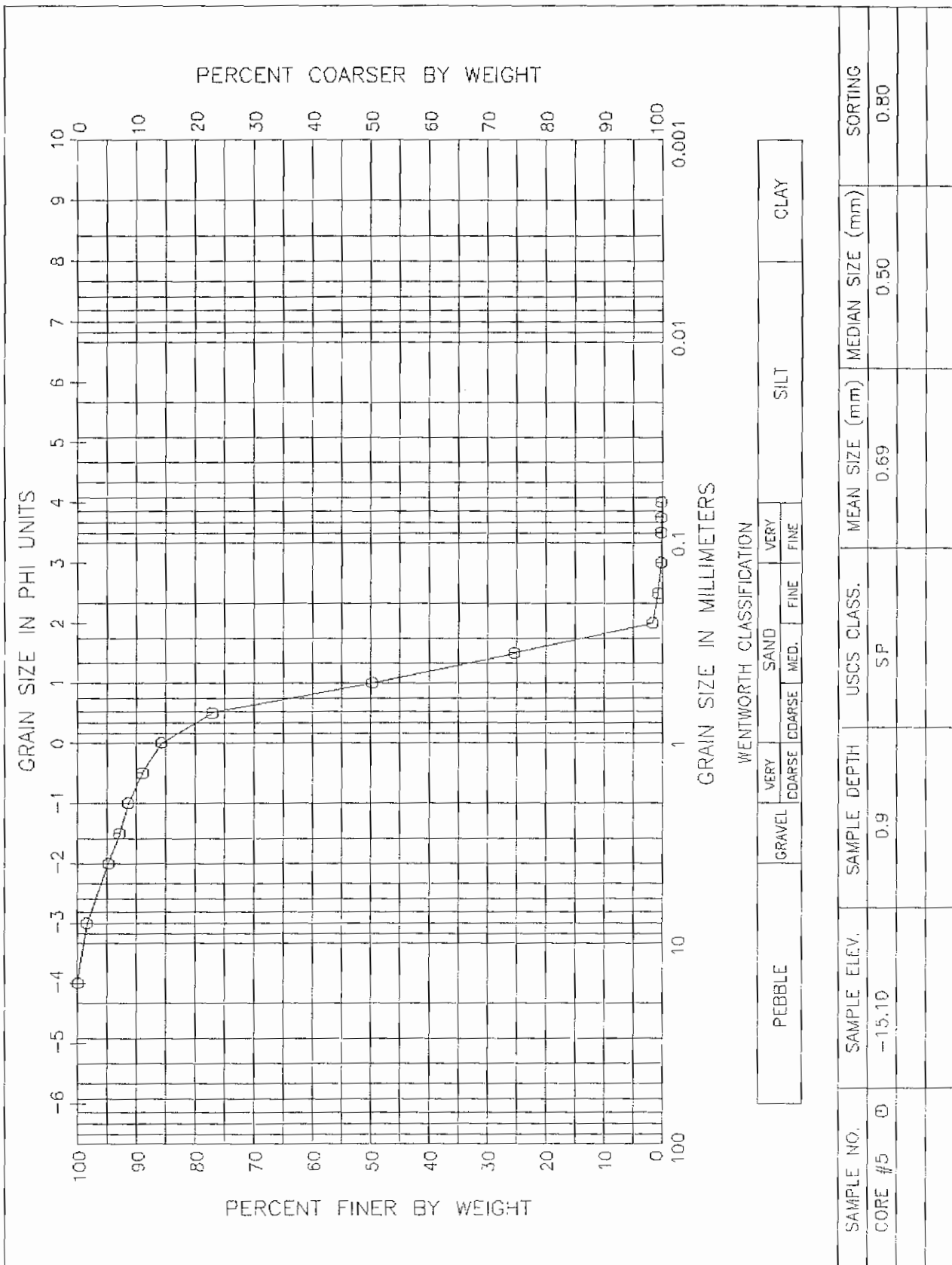
DRY SAMPLE WEIGHT (GRAMS): 196.85
SAMPLE WEIGHT AFTER WASH (GRAMS): 195.05

| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 5 | -2.0 | 4.000 | .15 | .08 | 99.92 |
| 7 | -1.5 | 2.800 | .55 | .28 | 99.72 |
| 10 | -1.0 | 2.000 | 1.15 | .58 | 99.42 |
| 14 | -0.5 | 1.400 | 2.95 | 1.50 | 98.50 |
| 18 | 0.0 | 1.000 | 6.60 | 3.35 | 96.65 |
| 25 | 0.5 | .710 | 16.95 | 8.61 | 91.39 |
| 35 | 1.0 | .500 | 47.45 | 24.10 | 75.90 |
| 45 | 1.5 | .355 | 81.55 | 41.43 | 58.57 |
| 60 | 2.0 | .250 | 142.05 | 72.16 | 27.84 |
| 80 | 2.5 | .180 | 183.70 | 93.32 | 6.68 |
| 120 | 3.0 | .125 | 194.25 | 98.68 | 1.32 |
| 170 | 3.5 | .090 | 194.75 | 98.93 | 1.07 |
| 200 | 3.75 | .075 | 194.80 | 98.96 | 1.04 |
| 230 | 4.0 | .063 | 195.75 | 99.44 | .56 |
| PAN | | | 196.65 | 99.90 | .10 |

| | | | |
|----------------|-------|------------|------|
| SIEVE LOSS(g): | .20 | MEAN (mm): | .355 |
| MEDIAN (mm): | .321 | SORTING: | .771 |
| SILT/CLAY: | 1.04% | KURTOSIS: | .984 |
| SKEWNESS: | -.466 | | |

| | | | | | |
|----------------------------|-------|----------|------|----------|------|
| PHI(5): | .16 | PHI(16): | .74 | PHI(25): | 1.03 |
| PHI(50): | 1.64 | PHI(75): | 2.07 | PHI(84): | 2.28 |
| PHI(95): | 2.66 | | | | |
| COEFFICIENT OF CURVATURE : | .966 | | | | |
| COEFFICIENT OF UNIFORMITY: | 1.949 | | | | |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#5-#11.TAB



GRAIN SIZE DISTRIBUTION CURVE
BOCA INLET EBB SHOAL 2/18/93

