

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
TESTED BY: MDA ON: 03-01-94

SAMPLE NO.: SB11 S#1
SAMPLE ELEV. (FT. NGVD): -35.0
SAMPLE DEPTH (FT.): -1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 156.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 151.80

| 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 | 2.40 | 1.53 | 98.47 |
| 7 | -1.5 | 2.800 | 4.10 | 2.62 | 97.38 |
| 10 | -1.0 | 2.000 | 6.30 | 4.03 | 95.97 |
| 14 | -0.5 | 1.400 | 10.90 | 6.96 | 93.04 |
| 18 | 0.0 | 1.000 | 19.50 | 12.46 | 87.54 |
| 25 | 0.5 | .710 | 39.85 | 25.46 | 74.54 |
| 35 | 1.0 | .500 | 76.10 | 48.63 | 51.37 |
| 45 | 1.5 | .355 | 106.25 | 67.89 | 32.11 |
| 60 | 2.0 | .250 | 135.50 | 86.58 | 13.42 |
| 80 | 2.5 | .180 | 146.50 | 93.61 | 6.39 |
| 120 | 3.0 | .125 | 149.90 | 95.78 | 4.22 |
| 170 | 3.5 | .090 | 151.10 | 96.55 | 3.45 |
| 200 | 3.75 | .075 | 151.50 | 96.81 | 3.19 |
| 230 | 4.0 | .063 | 153.95 | 98.37 | 1.63 |
| PAN | | | 156.40 | 99.94 | .06 |

PHI(5): -.83 PHI(16): .14 PHI(25): .48
PHI(50): 1.04 PHI(75): 1.69 PHI(84): 1.93
PHI(95): 2.82

SIEVE LOSS(g): .10 MEAN (PHI): 1.02
MEDIAN (mm): .488 MEAN (mm): .494
SILT/CLAY: 3.19% SORTING: .897
SKEWNESS: -.086 KURTOSIS: 1.240

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB11S1.TAB

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
TESTED BY: MDA ON: 03-01-94

SAMPLE NO.: SB11 S#2
SAMPLE ELEV. (FT. NGVD): -36.7
SAMPLE DEPTH (FT.): -2.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 138.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 128.10

| 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 | 2.20 | 1.59 | 98.41 |
| 7 | -1.5 | 2.800 | 3.10 | 2.25 | 97.75 |
| 10 | -1.0 | 2.000 | 4.00 | 2.90 | 97.10 |
| 14 | -0.5 | 1.400 | 5.40 | 3.91 | 96.09 |
| 18 | 0.0 | 1.000 | 7.05 | 5.11 | 94.89 |
| 25 | 0.5 | .710 | 11.10 | 8.04 | 91.96 |
| 35 | 1.0 | .500 | 20.70 | 15.00 | 85.00 |
| 45 | 1.5 | .355 | 35.70 | 25.87 | 74.13 |
| 60 | 2.0 | .250 | 72.40 | 52.46 | 47.54 |
| 80 | 2.5 | .180 | 103.90 | 75.29 | 24.71 |
| 120 | 3.0 | .125 | 119.10 | 86.30 | 13.70 |
| 170 | 3.5 | .090 | 126.15 | 91.41 | 8.59 |
| 200 | 3.75 | .075 | 127.70 | 92.54 | 7.46 |
| 230 | 4.0 | .063 | 132.95 | 96.34 | 3.66 |
| PAN | | | 138.00 | 100.00 | .00 |

PHI(5): -.05 PHI(16): 1.05 PHI(25): 1.46
PHI(50): 1.95 PHI(75): 2.49 PHI(84): 2.90
PHI(95): 3.91

SIEVE LOSS(g): .00 MEAN (PHI): 1.95
MEDIAN (mm): .258 MEAN (mm): .258
SILT/CLAY: 7.46% SORTING: .925
SKEWNESS: -.041 KURTOSIS: 1.569

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB11S2.TAB

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
TESTED BY: MDA ON: 03-01-94

SAMPLE NO.: SB11 S#3
SAMPLE ELEV. (FT. NGVD): -38.0
SAMPLE DEPTH (FT.): -4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SW-SM

DRY SAMPLE WEIGHT (GRAMS): 187.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 169.20

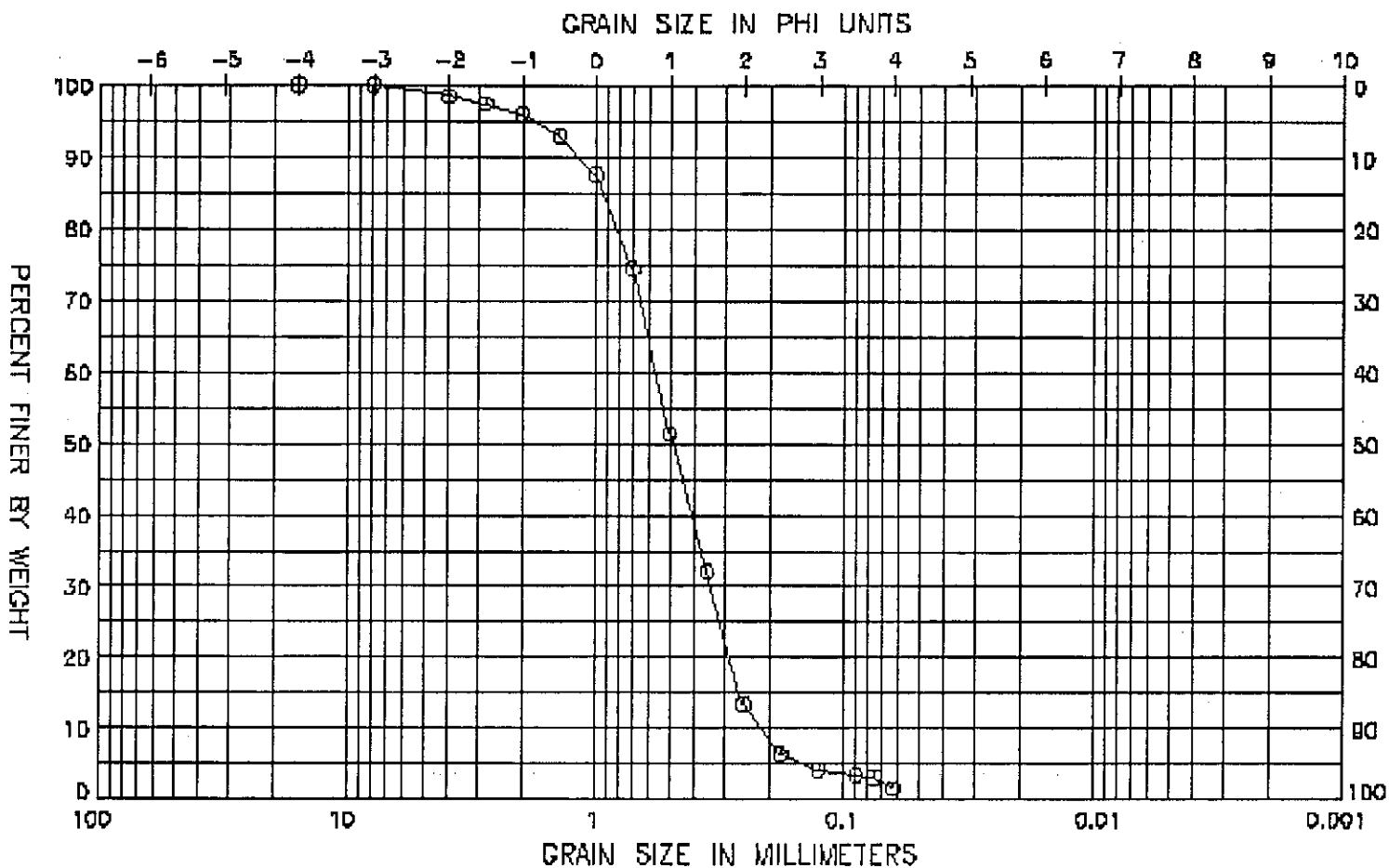
| SIEVE SIZE | PHI SIZE | MESH SIZE (mm) | RETAINED (GRAMS) | RETAINED (%) | PASSED (%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8 | -4.0 | 16.000 | .00 | .00 | 100.00 |
| 5/16 | -3.0 | 8.000 | .00 | .00 | 100.00 |
| 5 | -2.0 | 4.000 | 22.65 | 12.11 | 87.89 |
| 7 | -1.5 | 2.800 | 31.80 | 17.00 | 83.00 |
| 10 | -1.0 | 2.000 | 38.50 | 20.58 | 79.42 |
| 14 | -0.5 | 1.400 | 45.40 | 24.27 | 75.73 |
| 18 | 0.0 | 1.000 | 52.80 | 28.22 | 71.78 |
| 25 | 0.5 | .710 | 65.90 | 35.22 | 64.78 |
| 35 | 1.0 | .500 | 91.40 | 48.85 | 51.15 |
| 45 | 1.5 | .355 | 115.40 | 61.68 | 38.32 |
| 60 | 2.0 | .250 | 142.20 | 76.00 | 24.00 |
| 80 | 2.5 | .180 | 155.30 | 83.00 | 17.00 |
| 120 | 3.0 | .125 | 161.60 | 86.37 | 13.63 |
| 170 | 3.5 | .090 | 166.90 | 89.20 | 10.80 |
| 200 | 3.75 | .075 | 168.70 | 90.17 | 9.83 |
| 230 | 4.0 | .063 | 177.95 | 95.11 | 4.89 |
| PAN | | | 187.00 | 99.95 | .05 |

| | | |
|---------------|----------------|---------------|
| PHI(5): -2.59 | PHI(16): -1.60 | PHI(25): -.41 |
| PHI(50): 1.04 | PHI(75): 1.97 | PHI(84): 2.65 |
| PHI(95): 3.99 | | |

| | |
|--------------------|-----------------|
| SIEVE LOSS(g): .10 | MEAN (PHI): .70 |
| MEDIAN (mm): .485 | MEAN (mm): .616 |
| SILT/CLAY: 9.83% | SORTING: 2.125 |
| SKEWNESS: -.682 | KURTOSIS: 1.137 |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB11S3.TAB

PERCENT COARSER BY WEIGHT



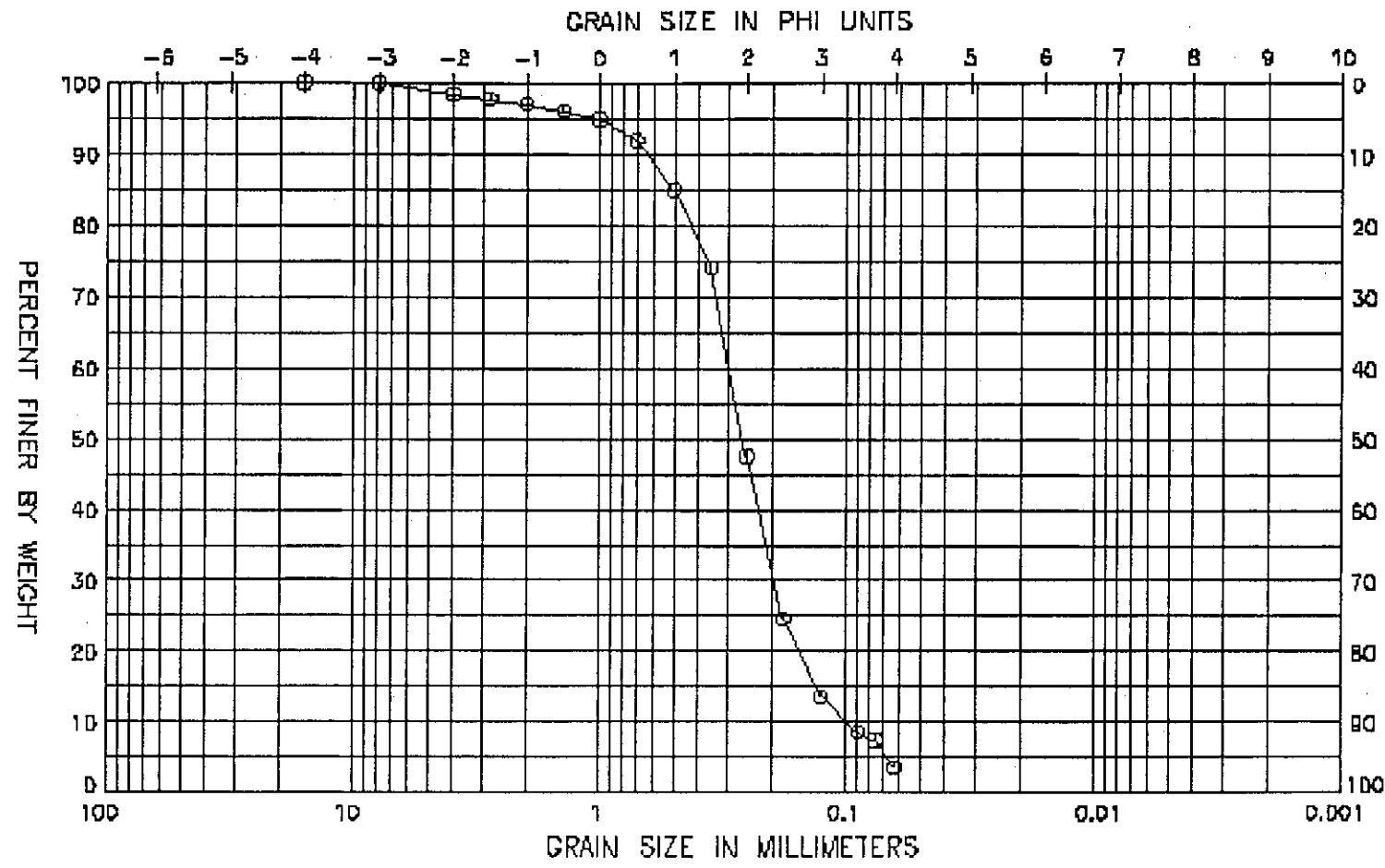
WENTWORTH CLASSIFICATION

| | | | | | | |
|--------|--------|--------|------|------|------|------|
| PEBBLE | GRAVEL | SAND | | | SILT | CLAY |
| | | COARSE | MED. | FINE | | |

| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| SB11 S#1 0 | -35.0 | -1.0 | SP | 0.49 | 0.49 | 0.90 |
| | | | | | | |
| | | | | | | |

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

PERCENT COARSER BY WEIGHT



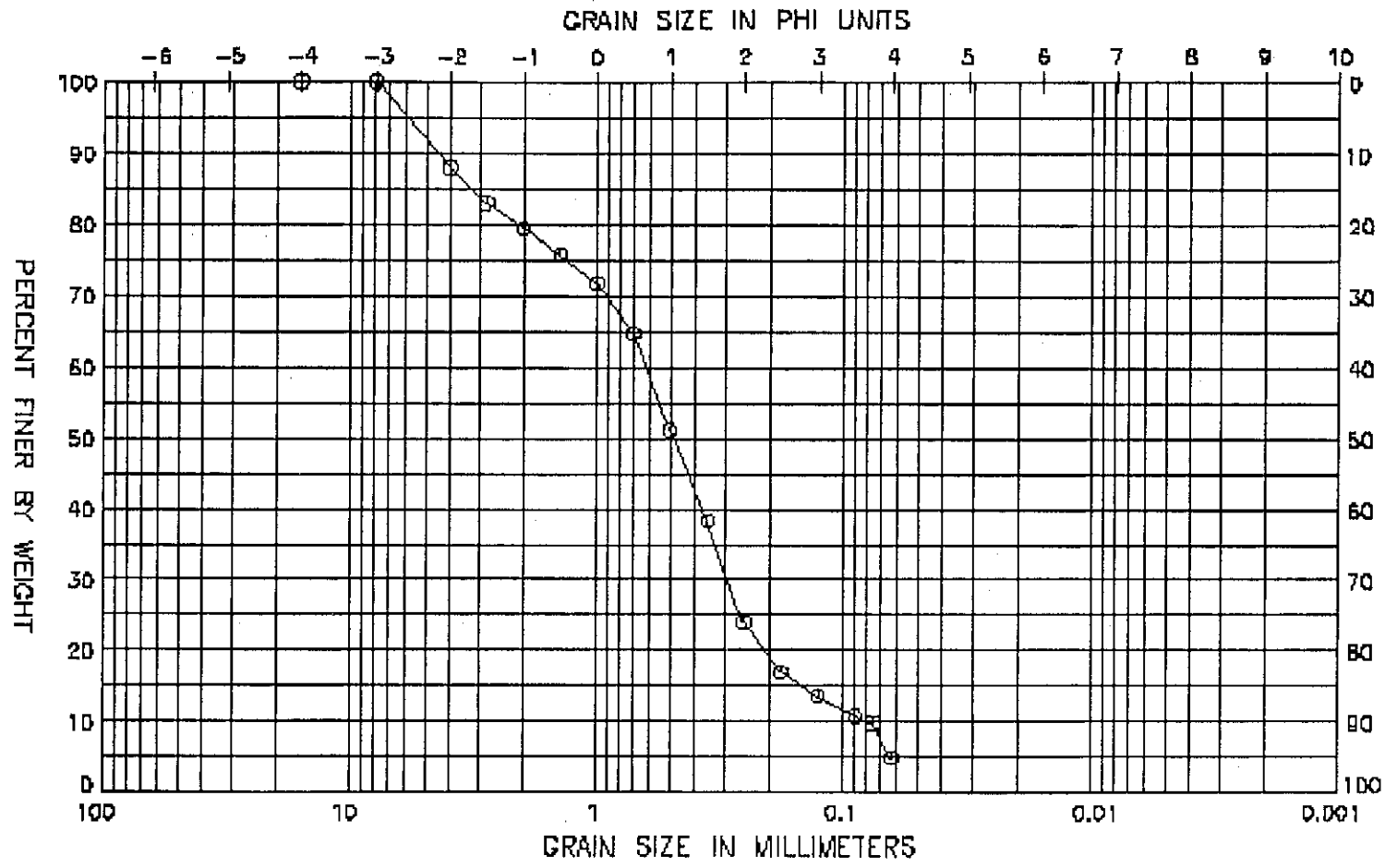
WENTWORTH CLASSIFICATION

| PEBBLE | GRAVEL | SAND | | | SILT | CLAY |
|--------|--------|--------|------|------|------|------|
| | | COARSE | MED. | FINE | | |

| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| SB11 S#2 ① | -36.7 | -2.7 | SP-SM | 0.26 | 0.28 | 0.92 |
| | | | | | | |
| | | | | | | |

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

PERCENT COARSER BY WEIGHT



WENTWORTH CLASSIFICATION

| | | | | | | |
|--------|--------|--------|------|------|------|------|
| PEBBLE | GRAVEL | SAND | | | SILT | CLAY |
| | | COARSE | MED. | FINE | | |

| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| SB11 S#3 0 | -38.0 | -4.0 | SW-SM | 0.62 | 0.48 | 2.12 |
| | | | | | | |
| | | | | | | |

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994