

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

SAMPLE NO.: SB13 S#1  
SAMPLE ELEV. (FT. NGVD): -36.2  
SAMPLE DEPTH (FT.): -2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 130.70  
SAMPLE WEIGHT AFTER WASH (GRAMS): 126.40

| SIEVE<br>SIZE | PHI<br>SIZE | MESH SIZE<br>(mm) | RETAINED<br>(GRAMS) | RETAINED<br>(%) | PASSED<br>(%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 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             | .70                 | .54             | 99.46         |
| 7             | -1.5        | 2.800             | 1.10                | .84             | 99.16         |
| 10            | -1.0        | 2.000             | 1.70                | 1.30            | 98.70         |
| 14            | -0.5        | 1.400             | 3.20                | 2.45            | 97.55         |
| 18            | 0.0         | 1.000             | 5.10                | 3.90            | 96.10         |
| 25            | 0.5         | .710              | 11.30               | 8.65            | 91.35         |
| 35            | 1.0         | .500              | 28.30               | 21.65           | 78.35         |
| 45            | 1.5         | .355              | 53.60               | 41.01           | 58.99         |
| 60            | 2.0         | .250              | 100.00              | 76.51           | 23.49         |
| 80            | 2.5         | .180              | 118.90              | 90.97           | 9.03          |
| 120           | 3.0         | .125              | 124.10              | 94.95           | 5.05          |
| 170           | 3.5         | .090              | 125.70              | 96.17           | 3.83          |
| 200           | 3.75        | .075              | 126.10              | 96.48           | 3.52          |
| 230           | 4.0         | .063              | 128.35              | 98.20           | 1.80          |
| PAN           |             |                   | 130.55              | 99.89           | .11           |

|               |               |               |
|---------------|---------------|---------------|
| PHI(5): .12   | PHI(16): .78  | PHI(25): 1.09 |
| PHI(50): 1.63 | PHI(75): 1.98 | PHI(84): 2.26 |
| PHI(95): 3.02 |               |               |

|                    |                  |
|--------------------|------------------|
| SIEVE LOSS(g): .15 | MEAN (PHI): 1.56 |
| MEDIAN (mm): .324  | MEAN (mm): .339  |
| SILT/CLAY: 3.52%   | SORTING: .738    |
| SKEWNESS: -.117    | KURTOSIS: 1.334  |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB13S1.TAB

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

SAMPLE NO.: SB13 S#2  
SAMPLE ELEV. (FT. NGVD): -38.2  
SAMPLE DEPTH (FT.): -4.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 139.70  
SAMPLE WEIGHT AFTER WASH (GRAMS): 123.80

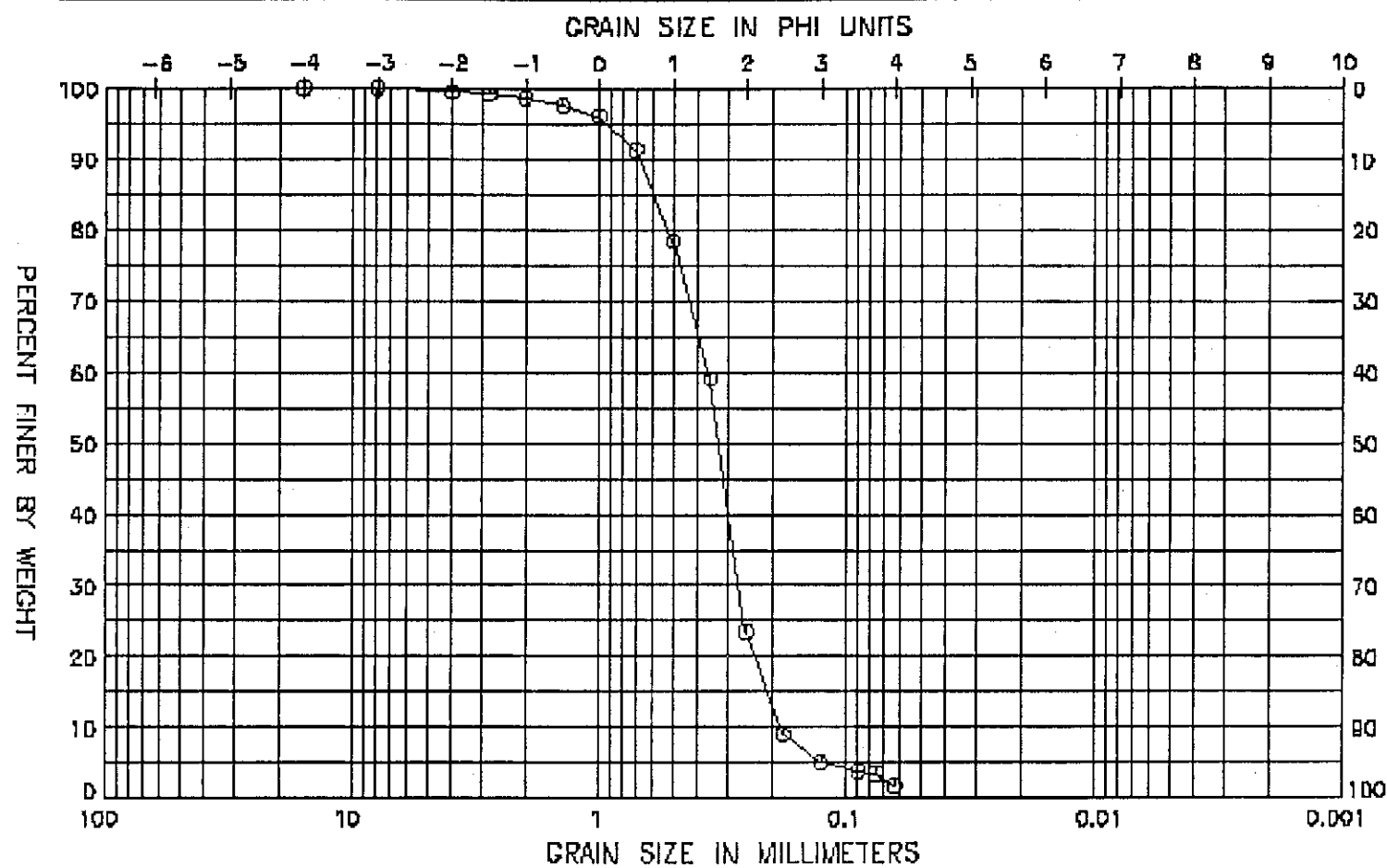
| SIEVE<br>SIZE | PHI<br>SIZE | MESH SIZE<br>(mm) | RETAINED<br>(GRAMS) | RETAINED<br>(%) | PASSED<br>(%) |
|---------------|-------------|-------------------|---------------------|-----------------|---------------|
| 5/8           | -4.0        | 16.000            | .00                 | .00             | 100.00        |
| 5/16          | -3.0        | 8.000             | .00                 | .00             | 100.00        |
| 5             | -2.0        | 4.000             | .40                 | .29             | 99.71         |
| 7             | -1.5        | 2.800             | .60                 | .43             | 99.57         |
| 10            | -1.0        | 2.000             | .90                 | .64             | 99.36         |
| 14            | -0.5        | 1.400             | 1.60                | 1.15            | 98.85         |
| 18            | 0.0         | 1.000             | 2.50                | 1.79            | 98.21         |
| 25            | 0.5         | .710              | 4.10                | 2.93            | 97.07         |
| 35            | 1.0         | .500              | 7.80                | 5.58            | 94.42         |
| 45            | 1.5         | .355              | 13.00               | 9.31            | 90.69         |
| 60            | 2.0         | .250              | 27.90               | 19.97           | 80.03         |
| 80            | 2.5         | .180              | 57.40               | 41.09           | 58.91         |
| 120           | 3.0         | .125              | 94.50               | 67.64           | 32.36         |
| 170           | 3.5         | .090              | 118.00              | 84.47           | 15.53         |
| 200           | 3.75        | .075              | 122.70              | 87.83           | 12.17         |
| 230           | 4.0         | .063              | 131.55              | 94.17           | 5.83          |
| PAN           |             |                   | 139.70              | 100.00          | .00           |

|               |               |               |
|---------------|---------------|---------------|
| PHI(5): .89   | PHI(16): 1.81 | PHI(25): 2.12 |
| PHI(50): 2.67 | PHI(75): 3.22 | PHI(84): 3.49 |
| PHI(95): 4.03 |               |               |

|                    |                  |
|--------------------|------------------|
| SIEVE LOSS(g): .00 | MEAN (PHI): 2.58 |
| MEDIAN (mm): .157  | MEAN (mm): .167  |
| SILT/CLAY: 12.17%  | SORTING: .836    |
| SKEWNESS: -.413    | KURTOSIS: 1.172  |

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB13S2.TAB

PERCENT COARSER BY WEIGHT



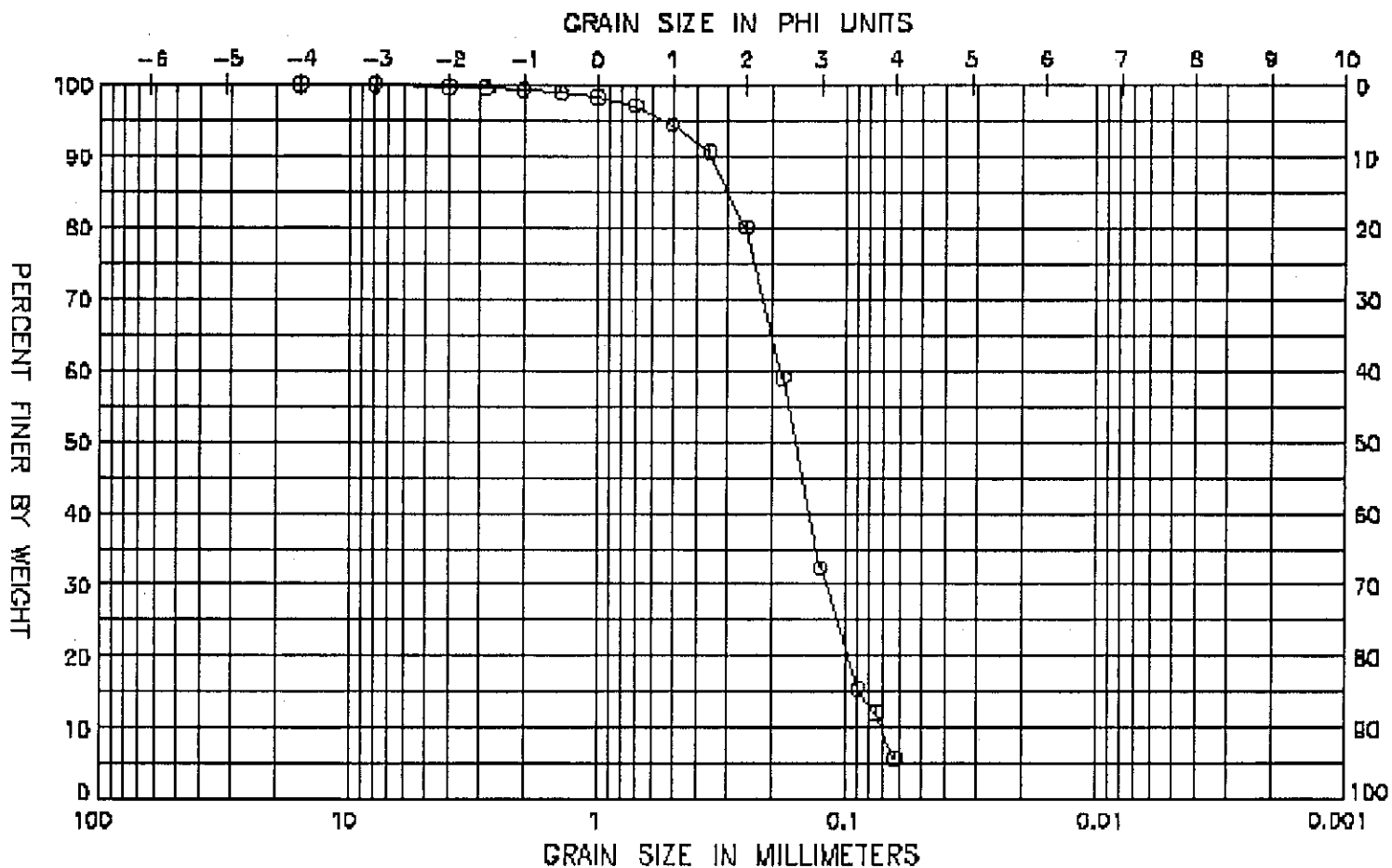
WENTWORTH CLASSIFICATION

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

| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| SB13 S#1 0 | -38.2        | -2.0         | SP          | 0.34           | 0.32             | 0.74    |
|            |              |              |             |                |                  |         |
|            |              |              |             |                |                  |         |

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 |
|------------|--------------|--------------|-------------|----------------|------------------|---------|
| SB13 S#2 ① | -38.2        | -4.0         | SM          | 0.17           | 0.18             | 0.84    |
|            |              |              |             |                |                  |         |
|            |              |              |             |                |                  |         |

GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994