

| | | | | |
|---|--|---|--|---------------------|
| DRILLING LOG | | DIVISION: South Atlantic | INSTALLATION: Jacksonville District | SHEET 1 of 1 |
| 1. PROJECT DELRAY BEACH | | 10. SIZE AND TYPE OF BIT 3" | | |
| 2. LOCATION (Coordinates or Station) X=966,433 Y= 771,941 | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD | | |
| 3. DRILLING AGENCY: ALPINE SEISMIC | | 12. MANUFACTURER'S DESIGNATION OF DRILL ALPINE PNEUMATIC | | |
| 4. HOLE NO. (As shown on drawing title and file number) DB-99-9 | | 13. TOT NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0.0 undisturbed: 0.0 | | |
| 5. NAME OF DRILLER ROB SUSKO | | 14. TOTAL NO. OF CORE BOXES 1 | | |
| 6. DIRECTION OF HOLE VERTICAL | | 15. ELEVATION GROUND WATER | | |
| 7. THICKNESS OF BURDEN 0.0 FT | | 16. DATE HOLE Started Completed 4/20/99 4/20/99 | | |
| 8. DEPTH DRILLED INTO ROCK 0.0 FT | | 17. ELEVATION TOP OF HOLE -35.4 ft. | | |
| 9. TOTAL DEPTH OF HOLE 19.2' FT | | 18. TOTAL CORE RECOVERY FOR BORING 97% | | |
| 19. SIGNATURE OF GEOLOGIST IBRAHIM DREMLI | | | | |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS |
|-------|-------|--------|---|------------------|------------------|--|
| -35.4 | 0 | | | | | |
| -36.4 | 1 | | SAND, fine-grained, little shell hash, Gray (5Y-6/1) (SP) | | 1 | SP Sample #1, Depth = 0.5' 0.25 mm, 0.90 phi sorting 1.16% silt |
| -36.9 | 2 | | medium-grained, little shell hash, Gray (5Y-6/1) (SP) from -36.4' to -36.9' | | 2 | Sample #2, Depth = 1.2' 0.47 mm, 1.35 phi sorting 1.54% silt |
| | 3 | | | | 3 | |
| | 4 | | fine-grained, little shell hash, Gray (5Y-6/1) (SP) from -36.9' to -42.4' | | 4 | Sample #3, Depth = 2.5' 0.28 mm, 0.88 phi sorting 0.92% silt Sample #4, Depth = 4.0' 0.31 mm, 0.84 phi sorting 0.86% silt |
| -42.4 | 7 | | | | | |
| | 8 | | | | | |
| | 9 | | fine-grained, trace shell hash, (5Y-6/1) (SP) from -42.4 to -46.9' | | 5 | Sample #5, Depth = 9.0' 0.20 mm, 0.64 phi sorting 4.13% silt |
| -46.9 | 11 | | | | | |
| | 12 | | | | | |
| | 13 | | fine-grained, trace shell hash, Gray (5Y-6/1) (SP) from -46.9 to -50.9 | | 6 | Sample #6, Depth = 13.0' 0.35 mm, 0.88 phi sorting 0.85% silt |
| -50.9 | 15 | | | | | |
| | 16 | | | | | |
| | 17 | | fine-grained, little shell hash, Gray (5Y-6/1) (SP) from -50.9' to -54.6' | | 7 | Sample #7, Depth = 16.5' 0.23 mm, 0.73 phi sorting 1.32% silt |
| -54.6 | 19 | | | | | |
| | 20 | | End of Boring | | | |
| | 21 | | | | | |
| | 22 | | | | | |
| | 23 | | | | | |
| | 24 | | | | | Note: Soils are classified in accordance with the Unified Soils Classification System. |

PROJECT: Delray Beach

HOLE NUMBER:

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 0.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 170.55
SAMPLE WEIGHT AFTER WASH (GRAMS): 168.62

| 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 | 0.25 | 0.15 | 99.85 |
| 7 | -1.50 | 2.800 | 0.80 | 0.47 | 99.53 |
| 10 | -1.00 | 2.000 | 2.05 | 1.20 | 98.80 |
| 14 | -0.50 | 1.400 | 3.73 | 2.19 | 97.81 |
| 18 | 0.00 | 1.000 | 6.18 | 3.62 | 96.38 |
| 25 | 0.50 | 0.710 | 11.69 | 6.85 | 93.15 |
| 35 | 1.00 | 0.500 | 22.36 | 13.11 | 86.89 |
| 45 | 1.50 | 0.355 | 35.03 | 20.54 | 79.46 |
| 60 | 2.00 | 0.250 | 63.77 | 37.39 | 62.61 |
| 80 | 2.50 | 0.180 | 115.25 | 67.58 | 32.42 |
| 120 | 3.00 | 0.125 | 160.87 | 94.32 | 5.68 |
| 170 | 3.50 | 0.090 | 168.55 | 98.83 | 1.17 |
| 200 | 3.75 | 0.075 | 168.58 | 98.84 | 1.16 |
| 230 | 4.00 | 0.063 | 169.58 | 99.43 | 0.57 |
| PAN | | | 170.55 | 100.00 | 0.00 |

PHI(5): 0.21 PHI(16): 1.19 PHI(25): 1.63
PHI(50): 2.21 PHI(75): 2.64 PHI(84): 2.81
PHI(95): 3.08

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.16%
SKEWNESS: -0.701 KURTOSIS: 1.165

GRAPHIC METHOD

MEAN (PHI): 1.90 SORTING: 0.81
MEAN (mm) : 0.27 MEDIAN (mm): 0.22
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.01 SORTING: 0.90
MEAN (mm) : 0.25

DATA FILE NAME: DB99-9#1.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 1.2
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 160.52
SAMPLE WEIGHT AFTER WASH (GRAMS): 158.15

| 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 | 3.59 | 2.24 | 97.76 |
| 5 | -2.00 | 4.000 | 4.30 | 2.68 | 97.32 |
| 7 | -1.50 | 2.800 | 5.57 | 3.47 | 96.53 |
| 10 | -1.00 | 2.000 | 9.36 | 5.83 | 94.17 |
| 14 | -0.50 | 1.400 | 17.10 | 10.65 | 89.35 |
| 18 | 0.00 | 1.000 | 28.63 | 17.84 | 82.16 |
| 25 | 0.50 | 0.710 | 45.65 | 28.44 | 71.56 |
| 35 | 1.00 | 0.500 | 71.89 | 44.79 | 55.21 |
| 45 | 1.50 | 0.355 | 93.39 | 58.18 | 41.82 |
| 60 | 2.00 | 0.250 | 113.41 | 70.65 | 29.35 |
| 80 | 2.50 | 0.180 | 136.94 | 85.31 | 14.69 |
| 120 | 3.00 | 0.125 | 155.57 | 96.92 | 3.08 |
| 170 | 3.50 | 0.090 | 157.90 | 98.37 | 1.63 |
| 200 | 3.75 | 0.075 | 158.04 | 98.46 | 1.54 |
| 230 | 4.00 | 0.063 | 159.33 | 99.26 | 0.74 |
| PAN | | | 160.52 | 100.00 | 0.00 |

PHI(5): -1.18 PHI(16): -0.13 PHI(25): 0.34
PHI(50): 1.19 PHI(75): 2.15 PHI(84): 2.46
PHI(95): 2.92

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.54%
SKEWNESS: -0.251 KURTOSIS: 0.927

GRAPHIC METHOD

MEAN (PHI): 1.05 SORTING: 1.29
MEAN (mm): 0.48 MEDIAN (mm): 0.44
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.09 SORTING: 1.35
MEAN (mm): 0.47

DATA FILE NAME: DB99-9#2.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 153.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 152.43

| 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 | 0.18 | 0.12 | 99.88 |
| 7 | -1.50 | 2.800 | 0.61 | 0.40 | 99.60 |
| 10 | -1.00 | 2.000 | 1.61 | 1.05 | 98.95 |
| 14 | -0.50 | 1.400 | 3.53 | 2.30 | 97.70 |
| 18 | 0.00 | 1.000 | 6.40 | 4.16 | 95.84 |
| 25 | 0.50 | 0.710 | 12.13 | 7.89 | 92.11 |
| 35 | 1.00 | 0.500 | 23.16 | 15.06 | 84.94 |
| 45 | 1.50 | 0.355 | 39.06 | 25.40 | 74.60 |
| 60 | 2.00 | 0.250 | 74.74 | 48.60 | 51.40 |
| 80 | 2.50 | 0.180 | 121.81 | 79.20 | 20.80 |
| 120 | 3.00 | 0.125 | 148.51 | 96.56 | 3.44 |
| 170 | 3.50 | 0.090 | 152.32 | 99.04 | 0.96 |
| 200 | 3.75 | 0.075 | 152.39 | 99.08 | 0.92 |
| 230 | 4.00 | 0.063 | 153.08 | 99.53 | 0.47 |
| PAN | | | 153.78 | 99.99 | 0.01 |

PHI(5): 0.11 PHI(16): 1.05 PHI(25): 1.48
PHI(50): 2.02 PHI(75): 2.43 PHI(84): 2.64
PHI(95): 2.96

SIEVE LOSS(g): 0.02 SILT/CLAY: 0.92%
SKEWNESS: -0.614 KURTOSIS: 1.226

GRAPHIC METHOD

MEAN (PHI): 1.75 SORTING: 0.80
MEAN (mm): 0.30 MEDIAN (mm): 0.25
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.84 SORTING: 0.88
MEAN (mm): 0.28

DATA FILE NAME: DB99-9#3.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#4
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 150.38
SAMPLE WEIGHT AFTER WASH (GRAMS): 149.13

| 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 | 0.09 | 99.91 |
| 7 | -1.50 | 2.800 | 0.72 | 0.48 | 99.52 |
| 10 | -1.00 | 2.000 | 1.51 | 1.00 | 99.00 |
| 14 | -0.50 | 1.400 | 3.10 | 2.06 | 97.94 |
| 18 | 0.00 | 1.000 | 6.13 | 4.08 | 95.92 |
| 25 | 0.50 | 0.710 | 11.66 | 7.75 | 92.25 |
| 35 | 1.00 | 0.500 | 26.47 | 17.60 | 82.40 |
| 45 | 1.50 | 0.355 | 53.17 | 35.36 | 64.64 |
| 60 | 2.00 | 0.250 | 92.54 | 61.54 | 38.46 |
| 80 | 2.50 | 0.180 | 128.96 | 85.76 | 14.24 |
| 120 | 3.00 | 0.125 | 147.26 | 97.93 | 2.07 |
| 170 | 3.50 | 0.090 | 149.05 | 99.12 | 0.88 |
| 200 | 3.75 | 0.075 | 149.09 | 99.14 | 0.86 |
| 230 | 4.00 | 0.063 | 149.74 | 99.58 | 0.42 |
| PAN | | | 150.37 | 99.99 | 0.01 |

PHI(5): 0.13 PHI(16): 0.92 PHI(25): 1.21
PHI(50): 1.78 PHI(75): 2.28 PHI(84): 2.46
PHI(95): 2.88

SIEVE LOSS(g): 0.01 SILT/CLAY: 0.86%
SKEWNESS: -0.359 KURTOSIS: 1.055

GRAPHIC METHOD

MEAN (PHI): 1.63 SORTING: 0.77
MEAN (mm): 0.32 MEDIAN (mm): 0.29
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.68 SORTING: 0.84
MEAN (mm): 0.31

DATA FILE NAME: DB99-9#4.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#5
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 163.72
SAMPLE WEIGHT AFTER WASH (GRAMS): 157.00

| 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 | 0.03 | 0.02 | 99.98 |
| 10 | -1.00 | 2.000 | 0.18 | 0.11 | 99.89 |
| 14 | -0.50 | 1.400 | 0.48 | 0.29 | 99.71 |
| 18 | 0.00 | 1.000 | 0.87 | 0.53 | 99.47 |
| 25 | 0.50 | 0.710 | 2.00 | 1.22 | 98.78 |
| 35 | 1.00 | 0.500 | 5.22 | 3.19 | 96.81 |
| 45 | 1.50 | 0.355 | 12.89 | 7.87 | 92.13 |
| 60 | 2.00 | 0.250 | 42.82 | 26.15 | 73.85 |
| 80 | 2.50 | 0.180 | 99.80 | 60.96 | 39.04 |
| 120 | 3.00 | 0.125 | 146.71 | 89.61 | 10.39 |
| 170 | 3.50 | 0.090 | 156.79 | 95.77 | 4.23 |
| 200 | 3.75 | 0.075 | 156.96 | 95.87 | 4.13 |
| 230 | 4.00 | 0.063 | 160.34 | 97.94 | 2.06 |
| PAN | | | 163.71 | 99.99 | 0.01 |

PHI(5): 1.19 PHI(16): 1.72 PHI(25): 1.97
PHI(50): 2.34 PHI(75): 2.75 PHI(84): 2.90
PHI(95): 3.44

SIEVE LOSS(g): 0.01 SILT/CLAY: 4.13%
SKEWNESS: -0.046 KURTOSIS: 1.184

GRAPHIC METHOD

MEAN (PHI): 2.32 SORTING: 0.59
MEAN (mm) : 0.20 MEDIAN (mm): 0.20

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.29 SORTING: 0.64
MEAN (mm) : 0.20

DATA FILE NAME: DB99-9#5.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#6
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 182.47
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.93

| 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 | 0.35 | 0.19 | 99.81 |
| 5 | -2.00 | 4.000 | 0.71 | 0.39 | 99.61 |
| 7 | -1.50 | 2.800 | 1.08 | 0.59 | 99.41 |
| 10 | -1.00 | 2.000 | 2.75 | 1.51 | 98.49 |
| 14 | -0.50 | 1.400 | 5.74 | 3.15 | 96.85 |
| 18 | 0.00 | 1.000 | 10.51 | 5.76 | 94.24 |
| 25 | 0.50 | 0.710 | 19.38 | 10.62 | 89.38 |
| 35 | 1.00 | 0.500 | 41.01 | 22.47 | 77.53 |
| 45 | 1.50 | 0.355 | 77.31 | 42.37 | 57.63 |
| 60 | 2.00 | 0.250 | 130.49 | 71.51 | 28.49 |
| 80 | 2.50 | 0.180 | 168.21 | 92.19 | 7.81 |
| 120 | 3.00 | 0.125 | 179.97 | 98.63 | 1.37 |
| 170 | 3.50 | 0.090 | 180.90 | 99.14 | 0.86 |
| 200 | 3.75 | 0.075 | 180.91 | 99.15 | 0.85 |
| 230 | 4.00 | 0.063 | 181.69 | 99.57 | 0.43 |
| PAN | | | 182.47 | 100.00 | 0.00 |

PHI(5): -0.15 PHI(16): 0.73 PHI(25): 1.06
PHI(50): 1.63 PHI(75): 2.08 PHI(84): 2.30
PHI(95): 2.72

SIEVE LOSS(g): 0.00 SILT/CLAY: 0.85%
SKEWNESS: -0.437 KURTOSIS: 1.150

GRAPHIC METHOD

MEAN (PHI): 1.45 SORTING: 0.79
MEAN (mm): 0.37 MEDIAN (mm): 0.32
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.50 SORTING: 0.88
MEAN (mm): 0.35

DATA FILE NAME: DB99-9#6.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-9 S#7
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 16.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 194.76
SAMPLE WEIGHT AFTER WASH (GRAMS): 192.21

| 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 | 0.49 | 0.25 | 99.75 |
| 7 | -1.50 | 2.800 | 0.59 | 0.30 | 99.70 |
| 10 | -1.00 | 2.000 | 1.59 | 0.82 | 99.18 |
| 14 | -0.50 | 1.400 | 2.48 | 1.27 | 98.73 |
| 18 | 0.00 | 1.000 | 3.67 | 1.88 | 98.12 |
| 25 | 0.50 | 0.710 | 6.02 | 3.09 | 96.91 |
| 35 | 1.00 | 0.500 | 11.49 | 5.90 | 94.10 |
| 45 | 1.50 | 0.355 | 22.60 | 11.60 | 88.40 |
| 60 | 2.00 | 0.250 | 64.74 | 33.24 | 66.76 |
| 80 | 2.50 | 0.180 | 138.64 | 71.19 | 28.81 |
| 120 | 3.00 | 0.125 | 186.19 | 95.60 | 4.40 |
| 170 | 3.50 | 0.090 | 192.15 | 98.66 | 1.34 |
| 200 | 3.75 | 0.075 | 192.18 | 98.68 | 1.32 |
| 230 | 4.00 | 0.063 | 193.49 | 99.35 | 0.65 |
| PAN | | | 194.76 | 100.00 | 0.00 |

PHI(5): 0.84 PHI(16): 1.60 PHI(25): 1.81
PHI(50): 2.22 PHI(75): 2.58 PHI(84): 2.76
PHI(95): 2.99

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.32%
SKEWNESS: -0.529 KURTOSIS: 1.145

GRAPHIC METHOD

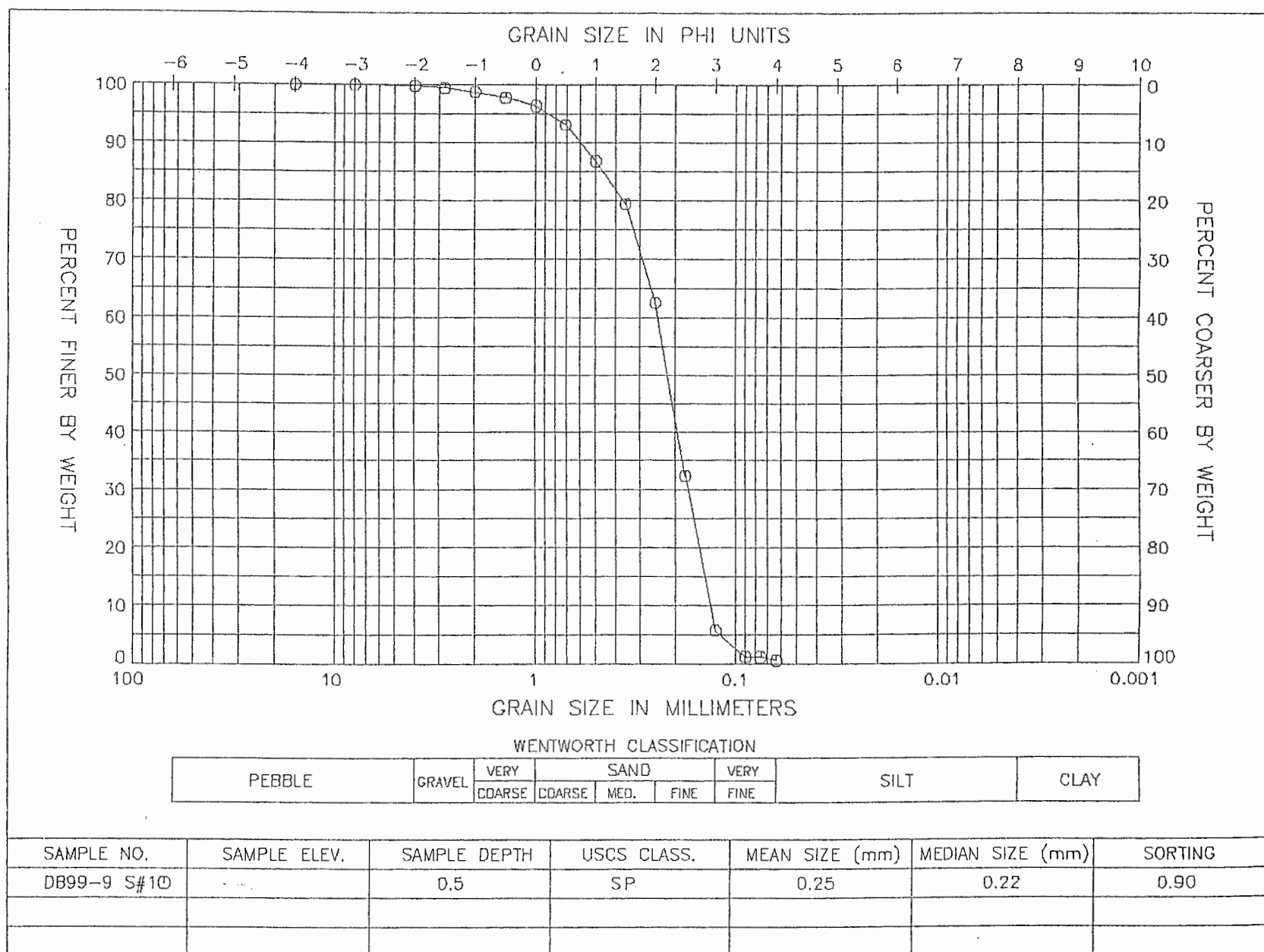
MEAN (PHI): 2.08 SORTING: 0.58
MEAN (mm) : 0.24 MEDIAN (mm): 0.21
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

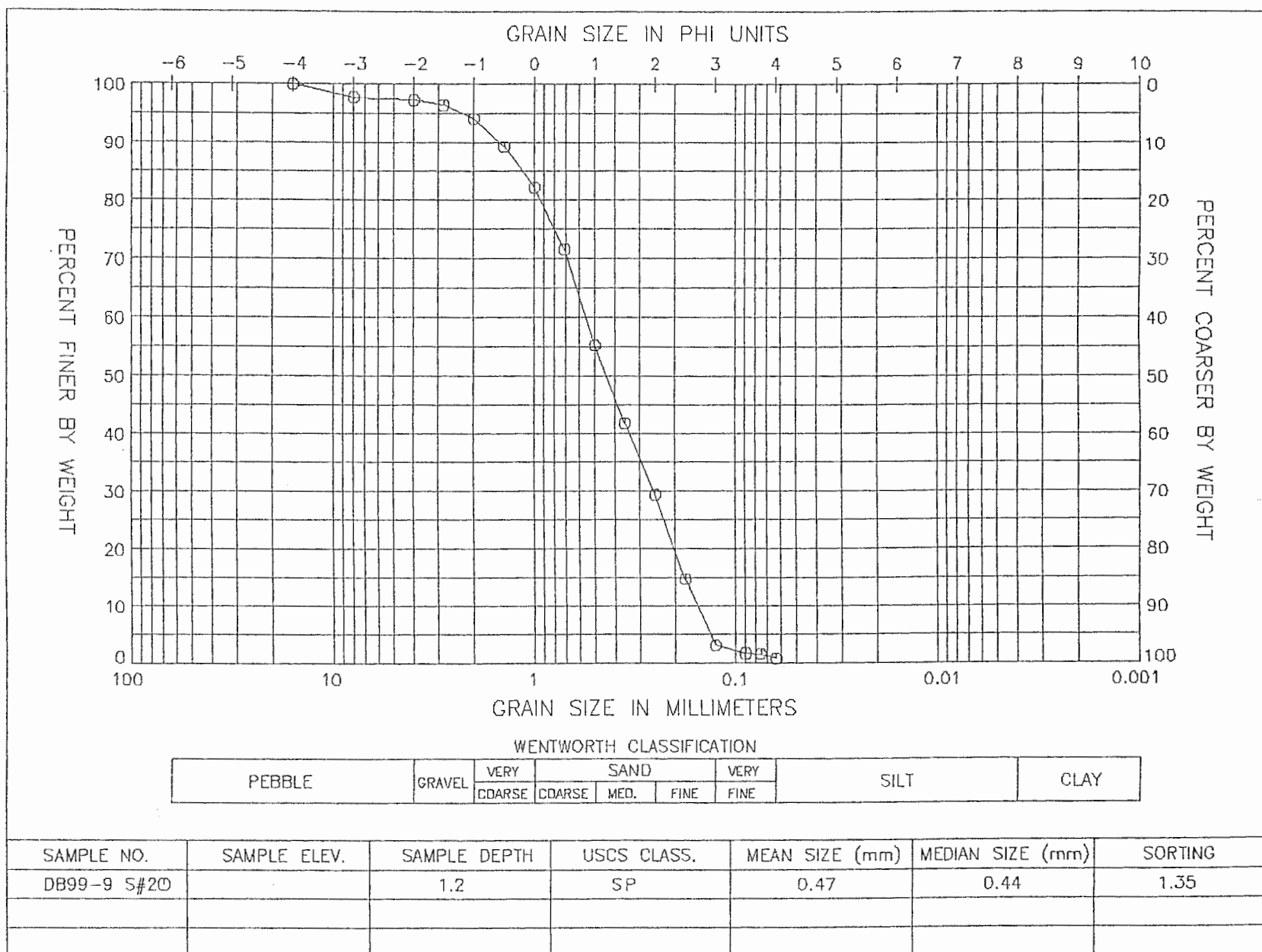
MEAN (PHI): 2.12 SORTING: 0.73
MEAN (mm) : 0.23

DATA FILE NAME: DB99-9#7.TAB

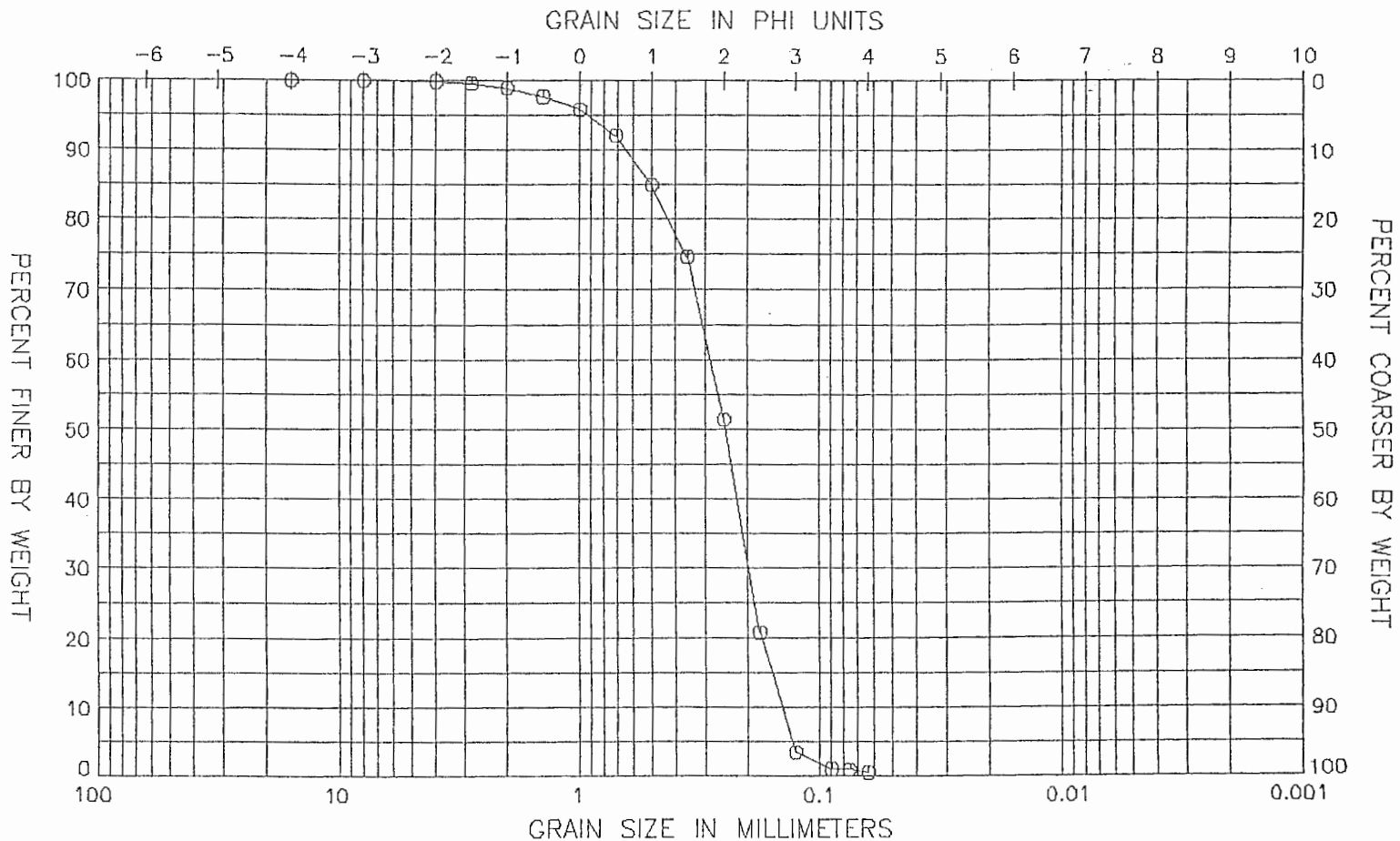
GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

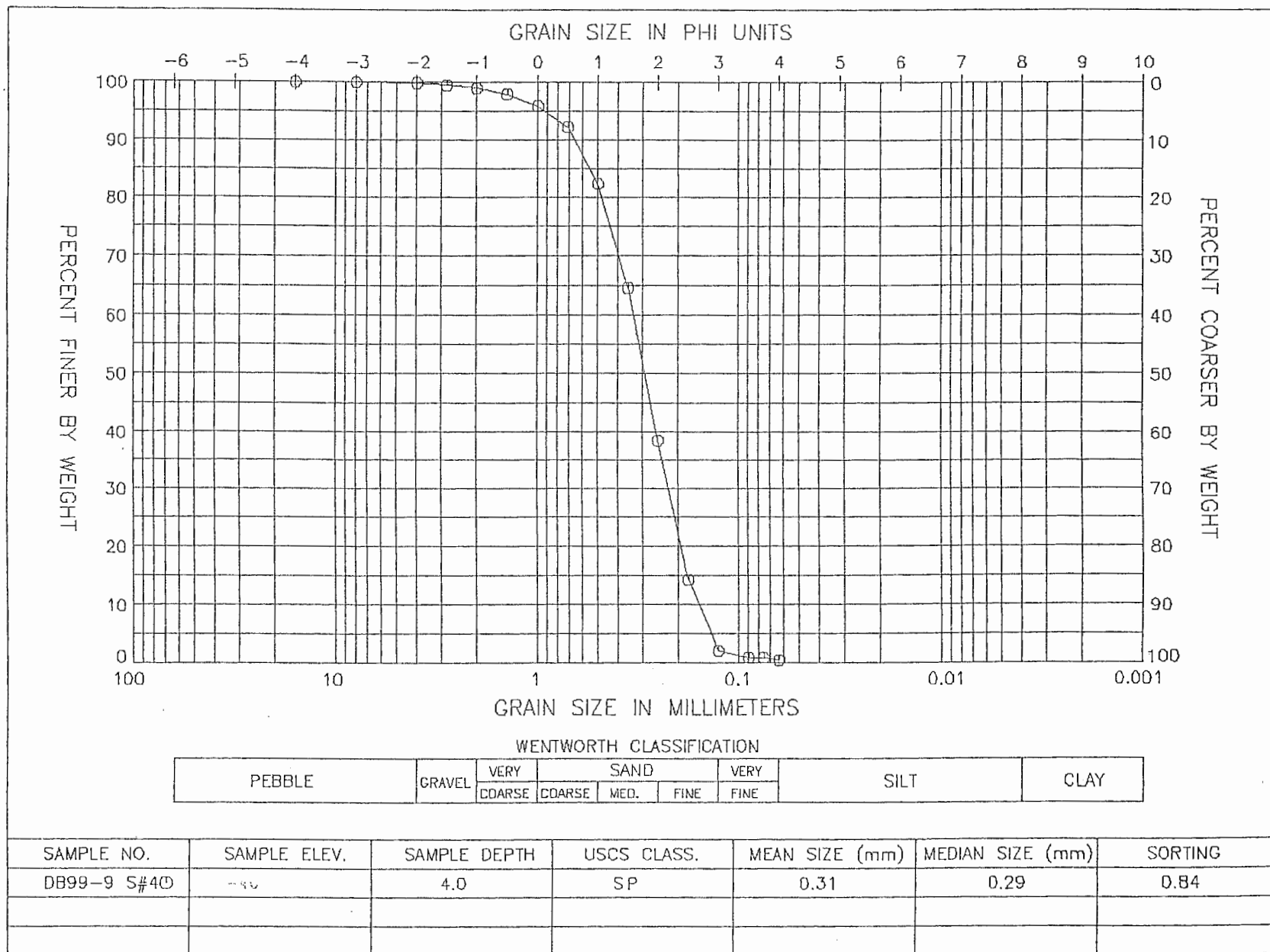


WENTWORTH CLASSIFICATION

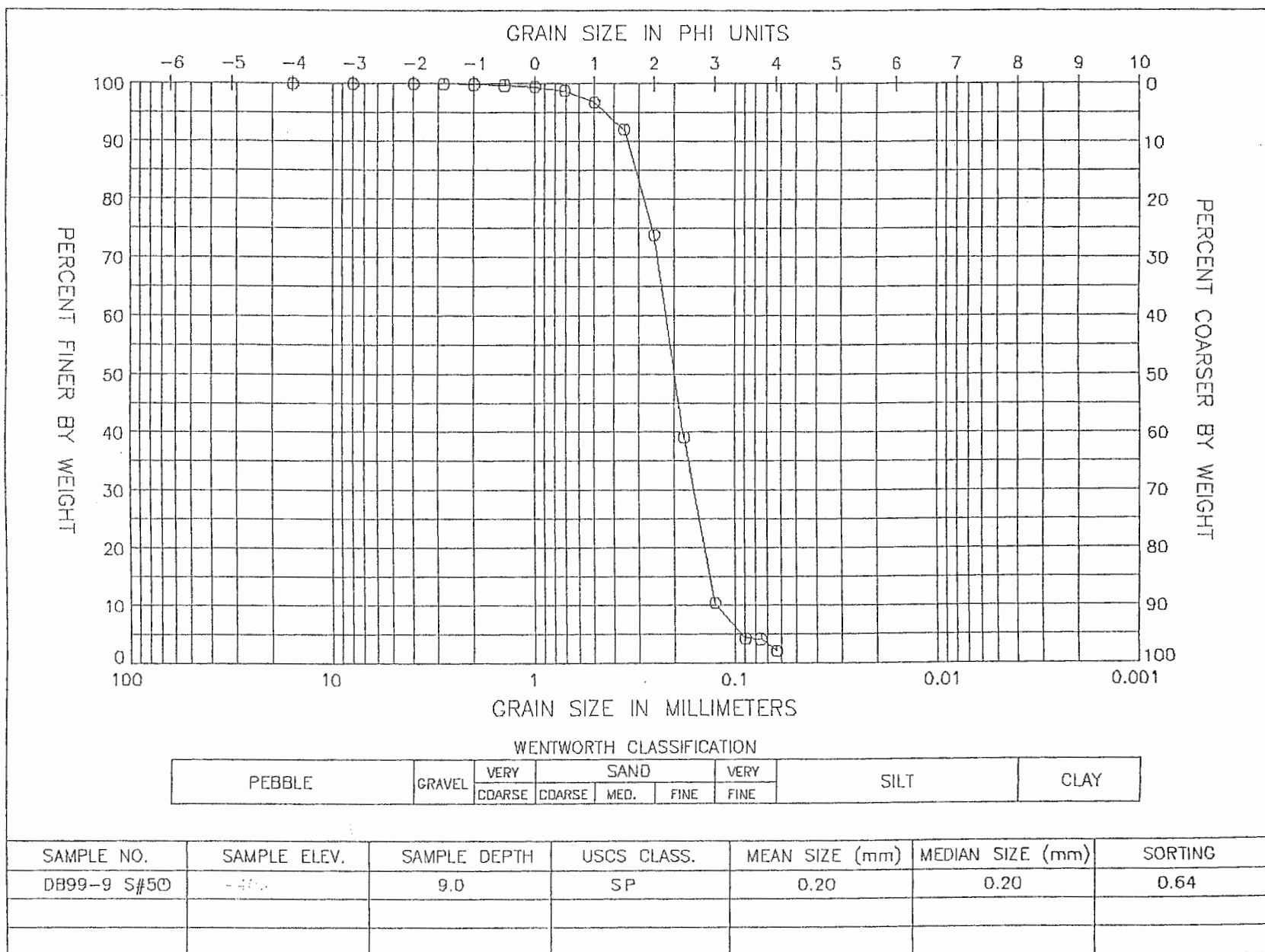
| | | | | | | | | |
|--------|--------|--------|--------|------|------|------|------|------|
| PEBBLE | GRAVEL | VERY | SAND | | | VERY | SILT | CLAY |
| | | COARSE | COARSE | MED. | FINE | FINE | | |

| SAMPLE NO. | SAMPLE ELEV. | SAMPLE DEPTH | USCS CLASS. | MEAN SIZE (mm) | MEDIAN SIZE (mm) | SORTING |
|-------------|--------------|--------------|-------------|----------------|------------------|---------|
| DB99-9 S#30 | | 2.5 | SP | 0.28 | 0.25 | 0.88 |
| | | | | | | |
| | | | | | | |

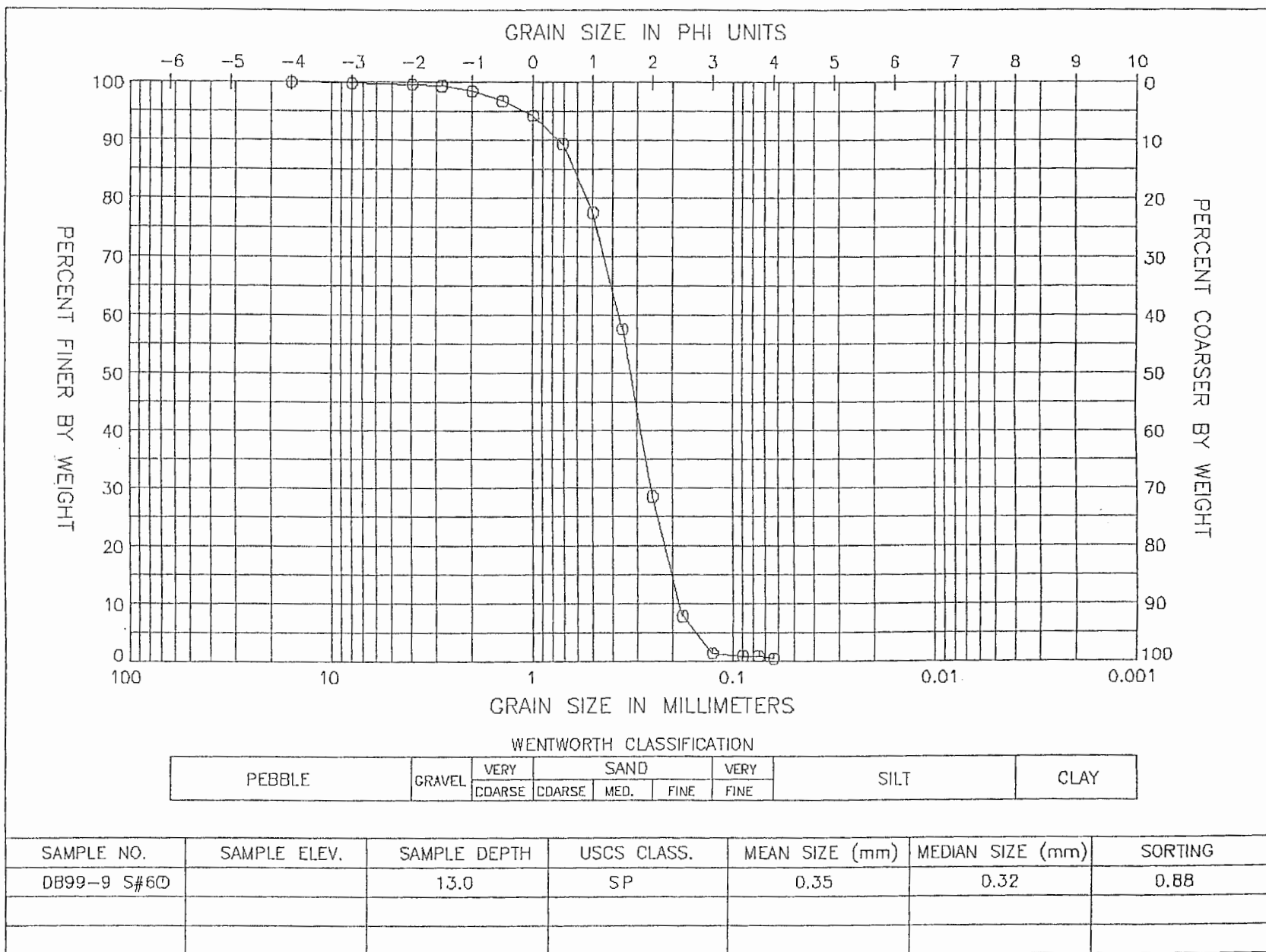
GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

