

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

SAMPLE NO.: DB99-25 #1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.43
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.64

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	0.82	0.82	99.18
7	-1.50	2.800	1.13	1.14	98.86
10	-1.00	2.000	1.55	1.56	98.44
14	-0.50	1.400	1.92	1.93	98.07
18	0.00	1.000	2.29	2.30	97.70
25	0.50	0.710	2.90	2.92	97.08
35	1.00	0.500	3.80	3.82	96.18
45	1.50	0.355	5.23	5.26	94.74
60	2.00	0.250	10.53	10.59	89.41
80	2.50	0.180	29.06	29.23	70.77
120	3.00	0.125	76.03	76.47	23.53
170	3.50	0.090	97.14	97.70	2.30
200	3.75	0.075	97.48	98.04	1.96
230	4.00	0.063	98.45	99.01	0.99
PAN			99.41	99.98	0.02

PHI(5): 1.41 PHI(16): 2.15 PHI(25): 2.39
PHI(50): 2.72 PHI(75): 2.98 PHI(84): 3.18
PHI(95): 3.44

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.96%
SKEWNESS: -0.575 KURTOSIS: 1.389

GRAPHIC METHOD

MEAN (PHI): 2.58 SORTING: 0.52
MEAN (mm) : 0.17 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.57 SORTING: 0.83
MEAN (mm) : 0.17

DATA FILE NAME: DB99-25#1.TAB

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

SAMPLE NO.: DB99-25 #2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 95.09
SAMPLE WEIGHT AFTER WASH (GRAMS): 92.92

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	0.08	0.08	99.92
5	-2.00	4.000	0.14	0.15	99.85
7	-1.50	2.800	0.45	0.47	99.53
10	-1.00	2.000	0.90	0.95	99.05
14	-0.50	1.400	1.74	1.83	98.17
18	0.00	1.000	2.91	3.06	96.94
25	0.50	0.710	4.15	4.36	95.64
35	1.00	0.500	5.91	6.22	93.78
45	1.50	0.355	8.49	8.93	91.07
60	2.00	0.250	14.78	15.54	84.46
80	2.50	0.180	33.43	35.16	64.84
120	3.00	0.125	77.14	81.12	18.88
170	3.50	0.090	92.23	96.99	3.01
200	3.75	0.075	92.60	97.38	2.62
230	4.00	0.063	93.82	98.67	1.33
PAN			95.07	99.98	0.02

PHI(5): 0.67 PHI(16): 2.01 PHI(25): 2.24
PHI(50): 2.66 PHI(75): 2.93 PHI(84): 3.09
PHI(95): 3.44

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.62%
SKEWNESS: -1.125 KURTOSIS: 1.637

GRAPHIC METHOD

MEAN (PHI): 2.37 SORTING: 0.54
MEAN (mm): 0.19 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.46 SORTING: 0.85
MEAN (mm): 0.18

DATA FILE NAME: DB99-25#2.TAB

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

SAMPLE NO.: DB99-25 #3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 15.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.33
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.50

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	0.28	0.30	99.70
7	-1.50	2.800	0.42	0.45	99.55
10	-1.00	2.000	0.56	0.61	99.39
14	-0.50	1.400	0.76	0.82	99.18
18	0.00	1.000	1.18	1.28	98.72
25	0.50	0.710	2.15	2.33	97.67
35	1.00	0.500	3.87	4.19	95.81
45	1.50	0.355	6.42	6.95	93.05
60	2.00	0.250	15.44	16.72	83.28
80	2.50	0.180	35.71	38.68	61.32
120	3.00	0.125	74.03	80.18	19.82
170	3.50	0.090	89.79	97.25	2.75
200	3.75	0.075	90.25	97.75	2.25
230	4.00	0.063	91.33	98.92	1.08
PAN			92.33	100.00	0.00

PHI(5): 1.15 PHI(16): 1.96 PHI(25): 2.19
PHI(50): 2.64 PHI(75): 2.94 PHI(84): 3.11
PHI(95): 3.43

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.25%
SKEWNESS: -0.603 KURTOSIS: 1.252

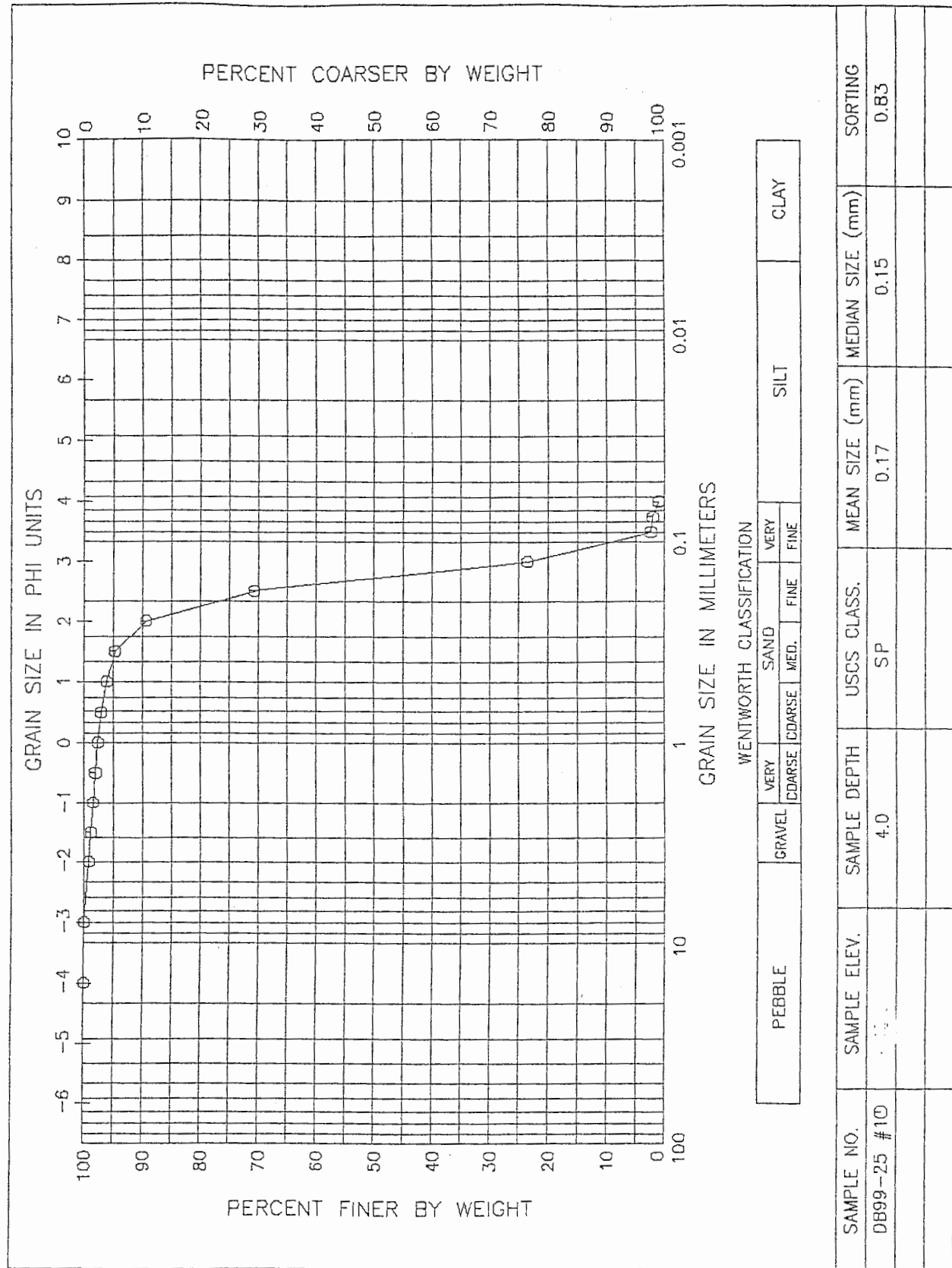
GRAPHIC METHOD

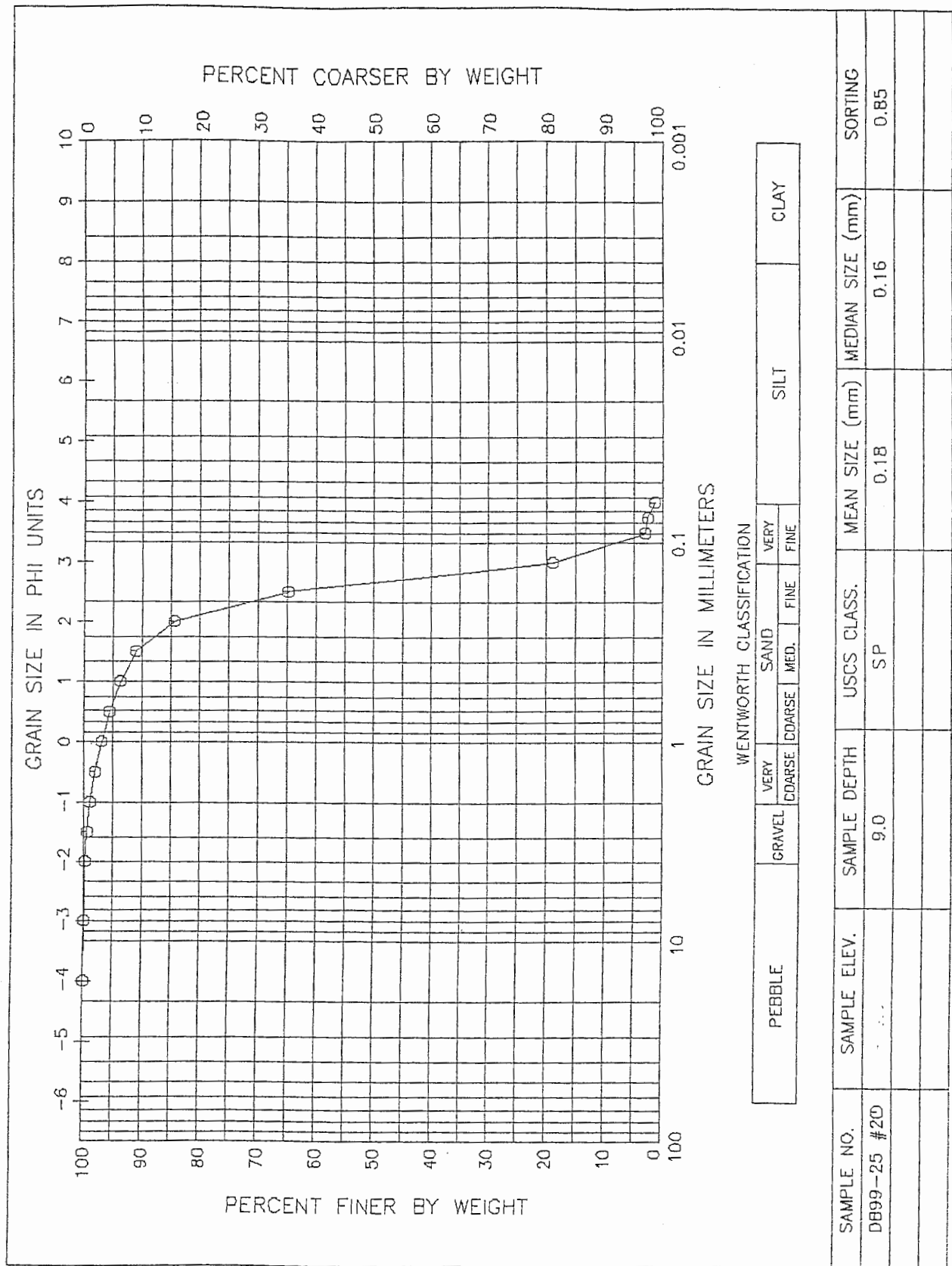
MEAN (PHI): 2.46 SORTING: 0.57
MEAN (mm): 0.18 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.49 SORTING: 0.75
MEAN (mm): 0.18

DATA FILE NAME: DB99-25#3.TAB





GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999

