

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

SAMPLE NO.: DB99-29#1
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 1.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 100.45
 SAMPLE WEIGHT AFTER WASH (GRAMS): 99.04

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	0.14	99.86
7	-1.50	2.800	0.38	0.38	99.62
10	-1.00	2.000	0.58	0.58	99.42
14	-0.50	1.400	1.07	1.07	98.93
18	0.00	1.000	1.68	1.67	98.33
25	0.50	0.710	2.55	2.54	97.46
35	1.00	0.500	4.41	4.39	95.61
45	1.50	0.355	7.29	7.26	92.74
60	2.00	0.250	15.92	15.85	84.15
80	2.50	0.180	45.96	45.75	54.25
120	3.00	0.125	90.81	90.40	9.60
170	3.50	0.090	98.90	98.46	1.54
200	3.75	0.075	99.01	98.57	1.43
230	4.00	0.063	99.71	99.27	0.73
PAN			100.42	99.97	0.03

PHI(5): 1.11 PHI(16): 2.00 PHI(25): 2.15
 PHI(50): 2.55 PHI(75): 2.83 PHI(84): 2.93
 PHI(95): 3.29

SIEVE LOSS(g): 0.03 SILT/CLAY: 1.43%
 SKEWNESS: -0.760 KURTOSIS: 1.324

GRAPHIC METHOD
 MEAN (PHI): 2.37 SORTING: 0.46
 MEAN (mm) : 0.19 MEDIAN (mm): 0.17
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.40 SORTING: 0.70
 MEAN (mm) : 0.19

DATA FILE NAME: DB99-29#1.TAB

GRADATION ANALYSIS REPORT
 DELRAY BEACH VIBRACORES 1999
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SAMPLE NO.: DB99-29#2
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 104.79
 SAMPLE WEIGHT AFTER WASH (GRAMS): 103.33

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	0.15	0.14	99.86
7	-1.50	2.800	0.19	0.18	99.82
10	-1.00	2.000	0.62	0.59	99.41
14	-0.50	1.400	2.48	2.37	97.63
18	0.00	1.000	5.98	5.71	94.29
25	0.50	0.710	16.33	15.58	84.42
35	1.00	0.500	33.51	31.98	68.02
45	1.50	0.355	66.08	63.06	36.94
60	2.00	0.250	90.30	86.17	13.83
80	2.50	0.180	101.27	96.64	3.36
120	3.00	0.125	103.23	98.51	1.49
170	3.50	0.090	103.29	98.57	1.43
200	3.75	0.075	103.31	98.59	1.41
230	4.00	0.063	104.05	99.29	0.71
PAN			104.79	100.00	0.00

PHI(5): -0.11 PHI(16): 0.51 PHI(25): 0.79
 PHI(50): 1.29 PHI(75): 1.76 PHI(84): 1.95
 PHI(95): 2.42

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.41%
 SKEWNESS: -0.183 KURTOSIS: 1.067

GRAPHIC METHOD

MEAN (PHI): 1.21 SORTING: 0.72
 MEAN (mm) : 0.43 MEDIAN (mm): 0.41

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.24 SORTING: 0.77
 MEAN (mm) : 0.42

DATA FILE NAME: DB99-29#2.TAB

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

SAMPLE NO.: DB99-29#3
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 10.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 103.89
 SAMPLE WEIGHT AFTER WASH (GRAMS): 102.35

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	0.18	0.17	99.83
10	-1.00	2.000	0.30	0.29	99.71
14	-0.50	1.400	0.49	0.47	99.53
18	0.00	1.000	2.02	1.94	98.06
25	0.50	0.710	2.53	2.44	97.56
35	1.00	0.500	4.93	4.75	95.25
45	1.50	0.355	11.81	11.37	88.63
60	2.00	0.250	30.01	28.89	71.11
80	2.50	0.180	63.25	60.88	39.12
120	3.00	0.125	98.14	94.47	5.53
170	3.50	0.090	102.14	98.32	1.68
200	3.75	0.075	102.23	98.40	1.60
230	4.00	0.063	103.05	99.19	0.81
PAN			103.87	99.98	0.02

PHI(5): 1.02 PHI(16): 1.63 PHI(25): 1.89
 PHI(50): 2.33 PHI(75): 2.71 PHI(84): 2.84
 PHI(95): 3.07

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.60%
 SKEWNESS: -0.471 KURTOSIS: 1.023

GRAPHIC METHOD
 MEAN (PHI): 2.18 SORTING: 0.61
 MEAN (mm) : 0.22 MEDIAN (mm): 0.20
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.22 SORTING: 0.69
 MEAN (mm) : 0.21

DATA FILE NAME: DB99-29#3.TAB

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

SAMPLE NO.: DB99-29#4
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 16.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 105.48
 SAMPLE WEIGHT AFTER WASH (GRAMS): 103.41

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	0.13	99.87
7	-1.50	2.800	0.44	0.42	99.58
10	-1.00	2.000	0.94	0.89	99.11
14	-0.50	1.400	1.76	1.67	98.33
18	0.00	1.000	1.78	1.69	98.31
25	0.50	0.710	6.29	5.96	94.04
35	1.00	0.500	13.87	13.15	86.85
45	1.50	0.355	28.68	27.19	72.81
60	2.00	0.250	56.96	54.00	46.00
80	2.50	0.180	101.69	96.41	3.59
120	3.00	0.125	103.29	97.92	2.08
170	3.50	0.090	103.37	98.00	2.00
200	3.75	0.075	103.39	98.02	1.98
230	4.00	0.063	104.43	99.01	0.99
PAN			105.48	100.00	0.00

PHI (5): 0.39 PHI (16): 1.10 PHI (25): 1.42
 PHI (50): 1.93 PHI (75): 2.25 PHI (84): 2.35
 PHI (95): 2.48

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.98%
 SKEWNESS: -0.783 KURTOSIS: 1.041

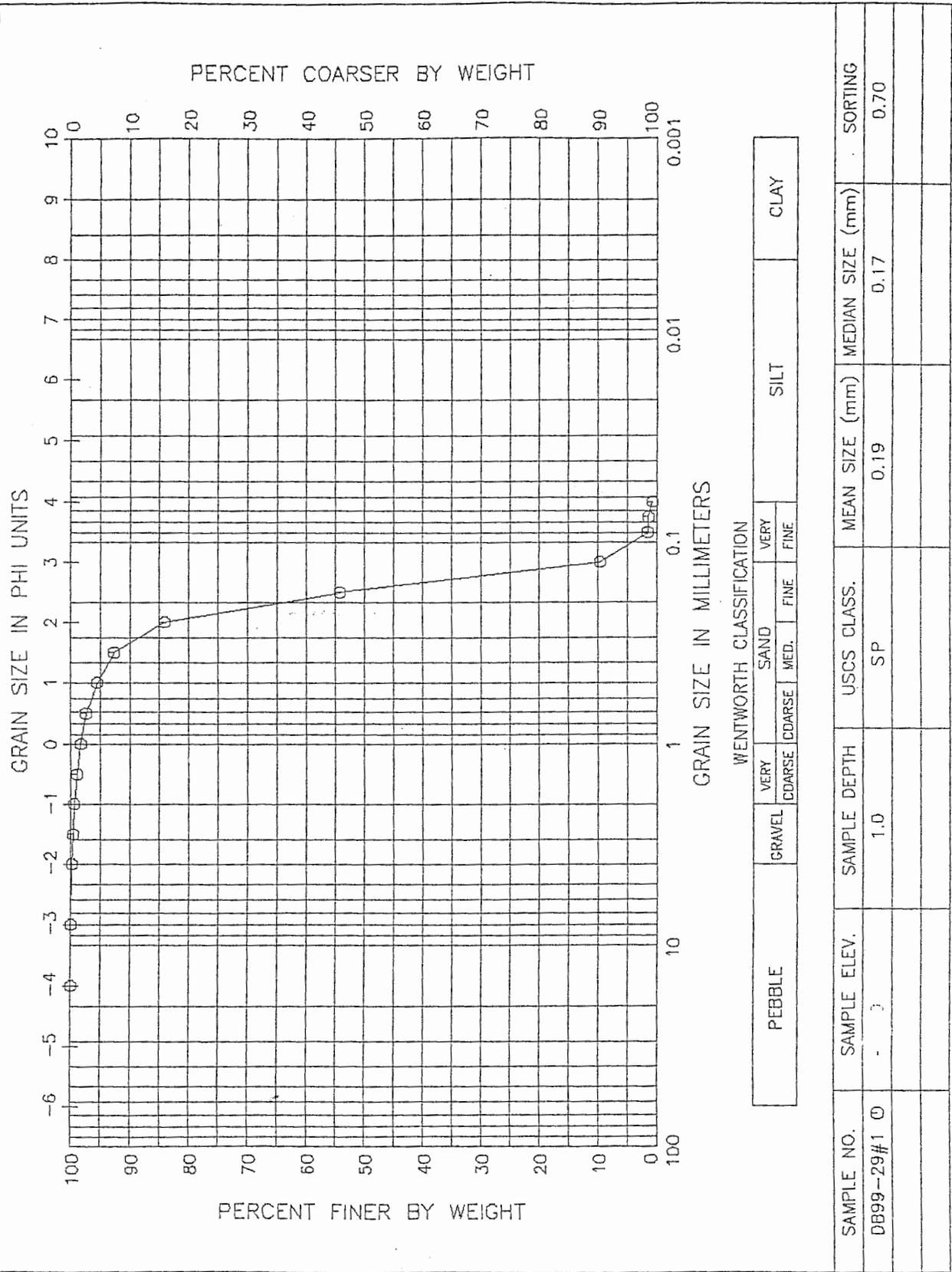
GRAPHIC METHOD

MEAN (PHI): 1.65 SORTING: 0.63
 MEAN (mm) : 0.32 MEDIAN (mm): 0.26
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

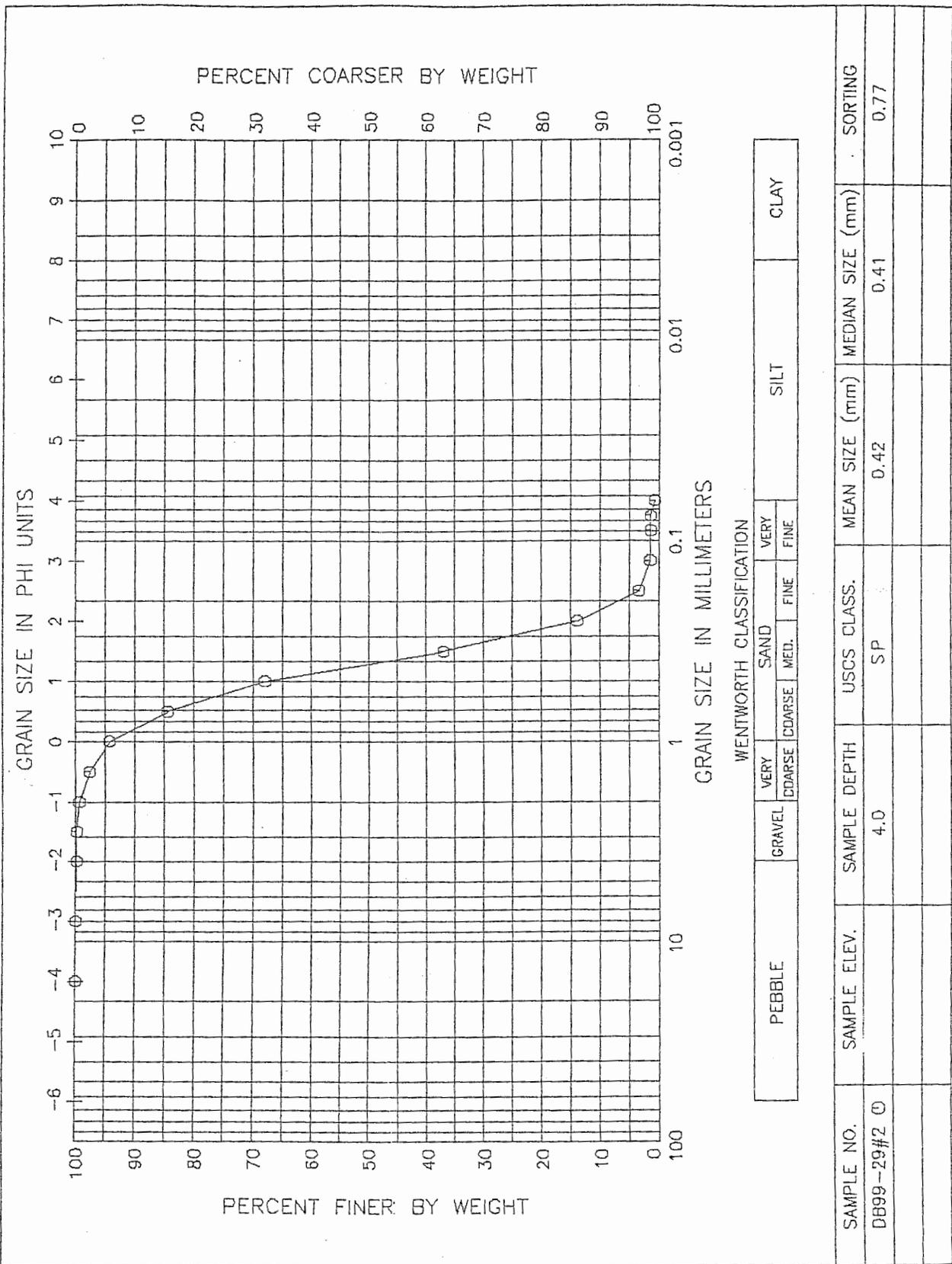
MOMENT METHOD

MEAN (PHI): 1.74 SORTING: 0.73
 MEAN (mm) : 0.30

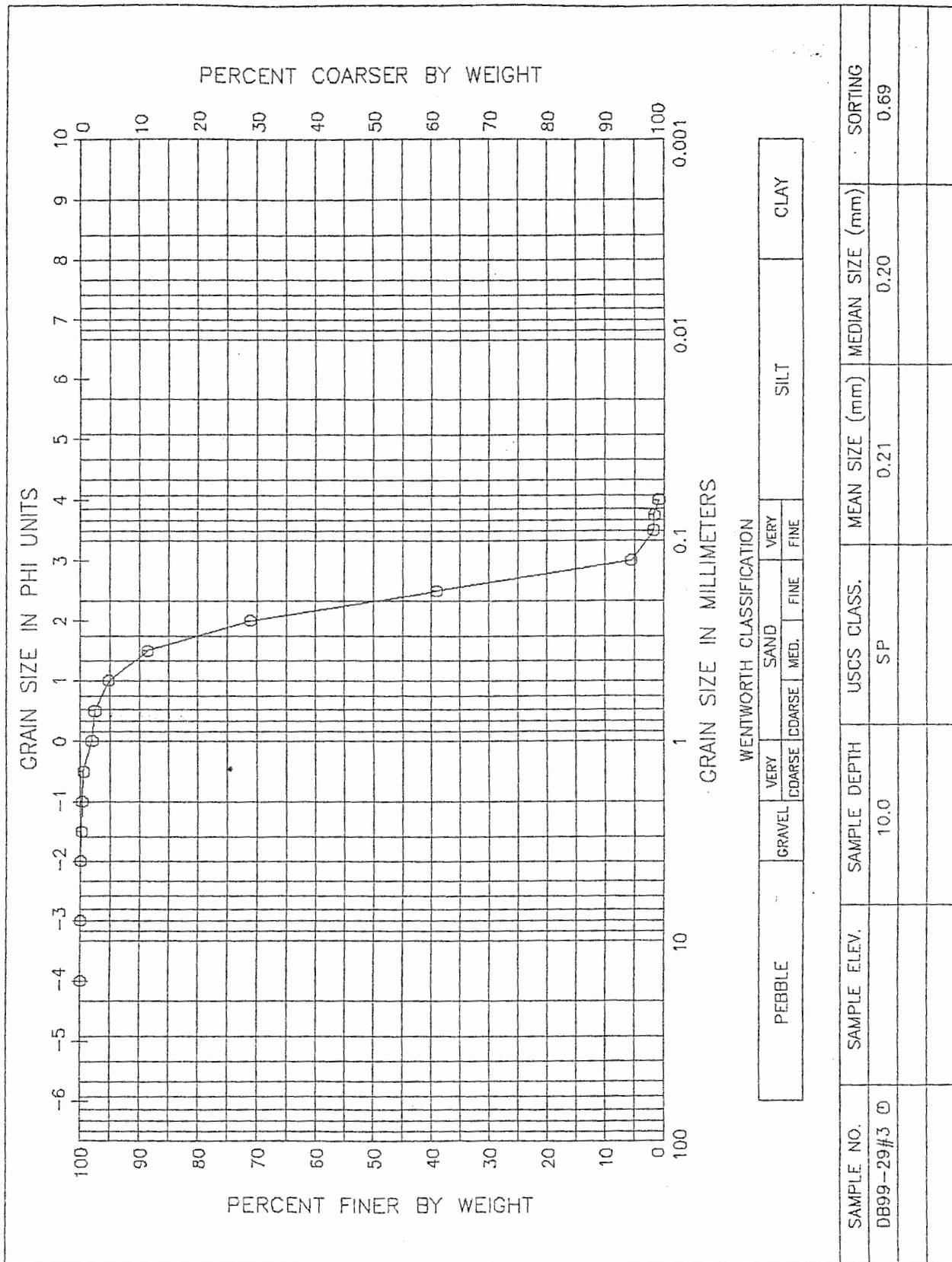
DATA FILE NAME: DB99-29#4.TAB



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

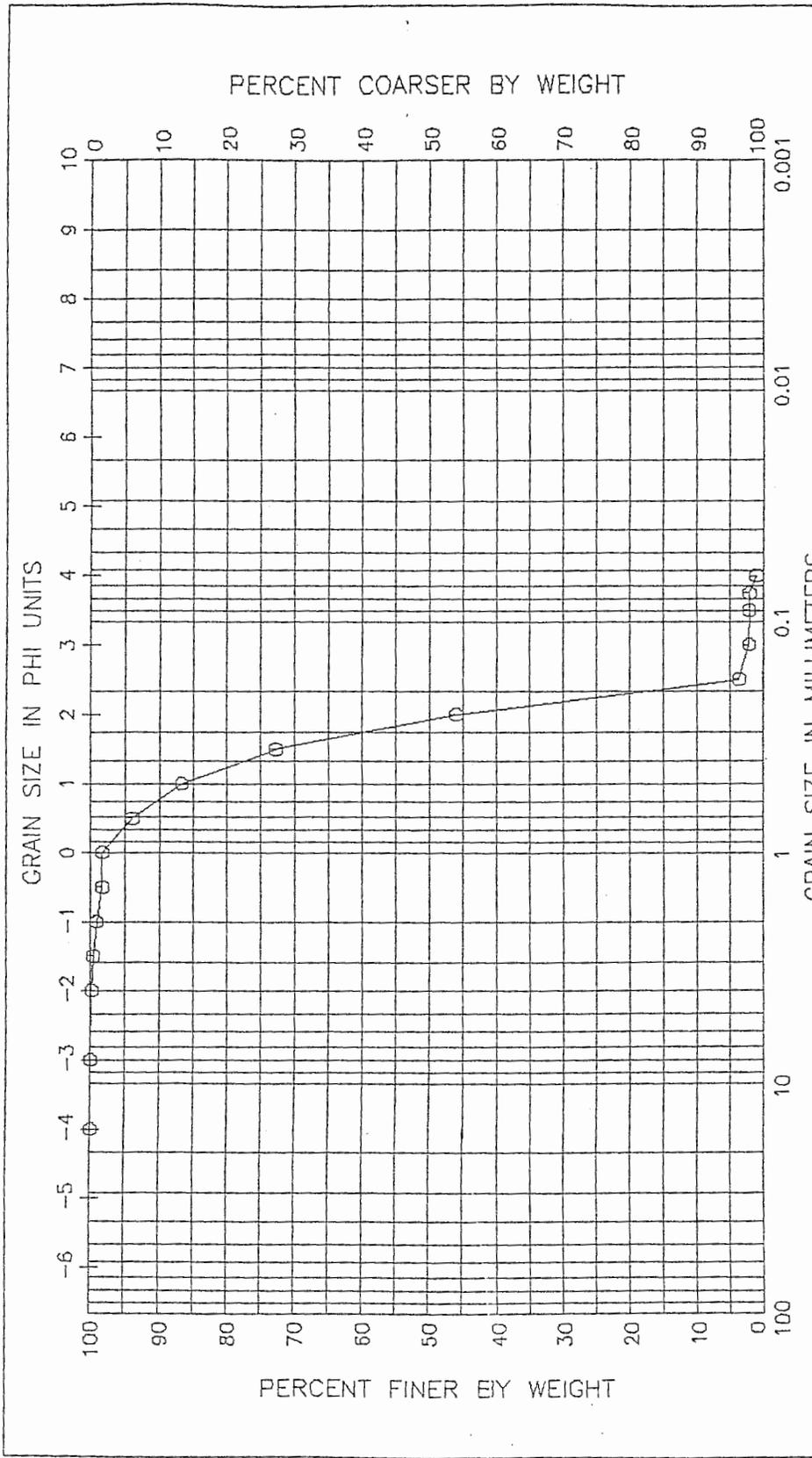


GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

3/2/99



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
D899-29#4	15.0		SP	0.30	0.26	0.73

GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999