

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

SAMPLE NO.: DB99-15 S#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 0.3
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 164.51
SAMPLE WEIGHT AFTER WASH (GRAMS): 162.57

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	0.37	0.22	99.78
7	-1.50	2.800	1.10	0.67	99.33
10	-1.00	2.000	2.65	1.61	98.39
14	-0.50	1.400	5.83	3.54	96.46
18	0.00	1.000	11.21	6.81	93.19
25	0.50	0.710	20.81	12.65	87.35
35	1.00	0.500	36.92	22.44	77.56
45	1.50	0.355	49.47	30.07	69.93
60	2.00	0.250	75.84	46.10	53.90
80	2.50	0.180	122.03	74.18	25.82
120	3.00	0.125	155.38	94.45	5.55
170	3.50	0.090	162.39	98.71	1.29
200	3.75	0.075	162.50	98.78	1.22
230	4.00	0.063	163.49	99.38	0.62
PAN			164.48	99.98	0.02

PHI(5): -0.28 PHI(16): 0.67 PHI(25): 1.17
PHI(50): 2.07 PHI(75): 2.52 PHI(84): 2.74
PHI(95): 3.06

SIEVE LOSS(g): 0.03 SILT/CLAY: 1.22%
SKEWNESS: -0.653 KURTOSIS: 1.013

GRAPHIC METHOD

MEAN (PHI): 1.65 SORTING: 1.04
MEAN (mm) : 0.32 MEDIAN (mm): 0.24
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.78 SORTING: 1.04
MEAN (mm) : 0.29

DATA FILE NAME: DB99-15#1.TAB

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

SAMPLE NO.: DB99-15 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 0.9
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 227.72
SAMPLE WEIGHT AFTER WASH (GRAMS): 225.30

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	1.87	0.82	99.18
5	-2.00	4.000	4.14	1.82	98.18
7	-1.50	2.800	5.71	2.51	97.49
10	-1.00	2.000	11.41	5.01	94.99
14	-0.50	1.400	21.81	9.58	90.42
18	0.00	1.000	34.15	15.00	85.00
25	0.50	0.710	57.07	25.06	74.94
35	1.00	0.500	88.33	38.79	61.21
45	1.50	0.355	108.37	47.59	52.41
60	2.00	0.250	134.78	59.19	40.81
80	2.50	0.180	175.39	77.02	22.98
120	3.00	0.125	213.42	93.72	6.28
170	3.50	0.090	225.06	98.83	1.17
200	3.75	0.075	225.14	98.87	1.13
230	4.00	0.063	226.37	99.41	0.59
PAN			227.72	100.00	0.00

PHI(5): -1.00 PHI(16): 0.05 PHI(25): 0.50
PHI(50): 1.60 PHI(75): 2.44 PHI(84): 2.71
PHI(95): 3.13

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.13%
SKEWNESS: -0.408 KURTOSIS: 0.869

GRAPHIC METHOD

MEAN (PHI): 1.30 SORTING: 1.33
MEAN (mm): 0.41 MEDIAN (mm): 0.33
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.35 SORTING: 1.35
MEAN (mm): 0.39

DATA FILE NAME: DB99-15#2.TAB

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

SAMPLE NO.: DB99-15 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 193.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 190.73

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	0.16	0.08	99.92
7	-1.50	2.800	0.29	0.15	99.85
10	-1.00	2.000	0.80	0.41	99.59
14	-0.50	1.400	1.40	0.72	99.28
18	0.00	1.000	2.39	1.23	98.77
25	0.50	0.710	4.09	2.11	97.89
35	1.00	0.500	7.80	4.03	95.97
45	1.50	0.355	13.08	6.75	93.25
60	2.00	0.250	30.49	15.75	84.25
80	2.50	0.180	92.30	47.67	52.33
120	3.00	0.125	171.42	88.53	11.47
170	3.50	0.090	190.33	98.29	1.71
200	3.75	0.075	190.53	98.39	1.61
230	4.00	0.063	192.04	99.18	0.82
PAN			193.62	99.99	0.01

PHI(5): 1.18 PHI(16): 2.00 PHI(25): 2.14
PHI(50): 2.53 PHI(75): 2.83 PHI(84): 2.94
PHI(95): 3.33

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.61%
SKEWNESS: -0.582 KURTOSIS: 1.280

GRAPHIC METHOD

MEAN (PHI): 2.40 SORTING: 0.47
MEAN (mm): 0.19 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.41 SORTING: 0.67
MEAN (mm): 0.19

DATA FILE NAME: DB99-15#3.TAB

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

SAMPLE NO.: DB99-15 S#4
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 12.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 174.18
SAMPLE WEIGHT AFTER WASH (GRAMS): 171.28

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	0.57	0.33	99.67
5	-2.00	4.000	0.74	0.42	99.58
7	-1.50	2.800	0.95	0.55	99.45
10	-1.00	2.000	1.28	0.73	99.27
14	-0.50	1.400	1.67	0.96	99.04
18	0.00	1.000	2.21	1.27	98.73
25	0.50	0.710	3.26	1.87	98.13
35	1.00	0.500	5.78	3.32	96.68
45	1.50	0.355	9.99	5.74	94.26
60	2.00	0.250	23.96	13.76	86.24
80	2.50	0.180	71.53	41.07	58.93
120	3.00	0.125	149.00	85.54	14.46
170	3.50	0.090	170.46	97.86	2.14
200	3.75	0.075	170.92	98.13	1.87
230	4.00	0.063	172.56	99.07	0.93
PAN			174.18	100.00	0.00

PHI(5): 1.35 PHI(16): 2.04 PHI(25): 2.21
PHI(50): 2.60 PHI(75): 2.88 PHI(84): 2.98
PHI(95): 3.38

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.87%
SKEWNESS: -0.498 KURTOSIS: 1.235

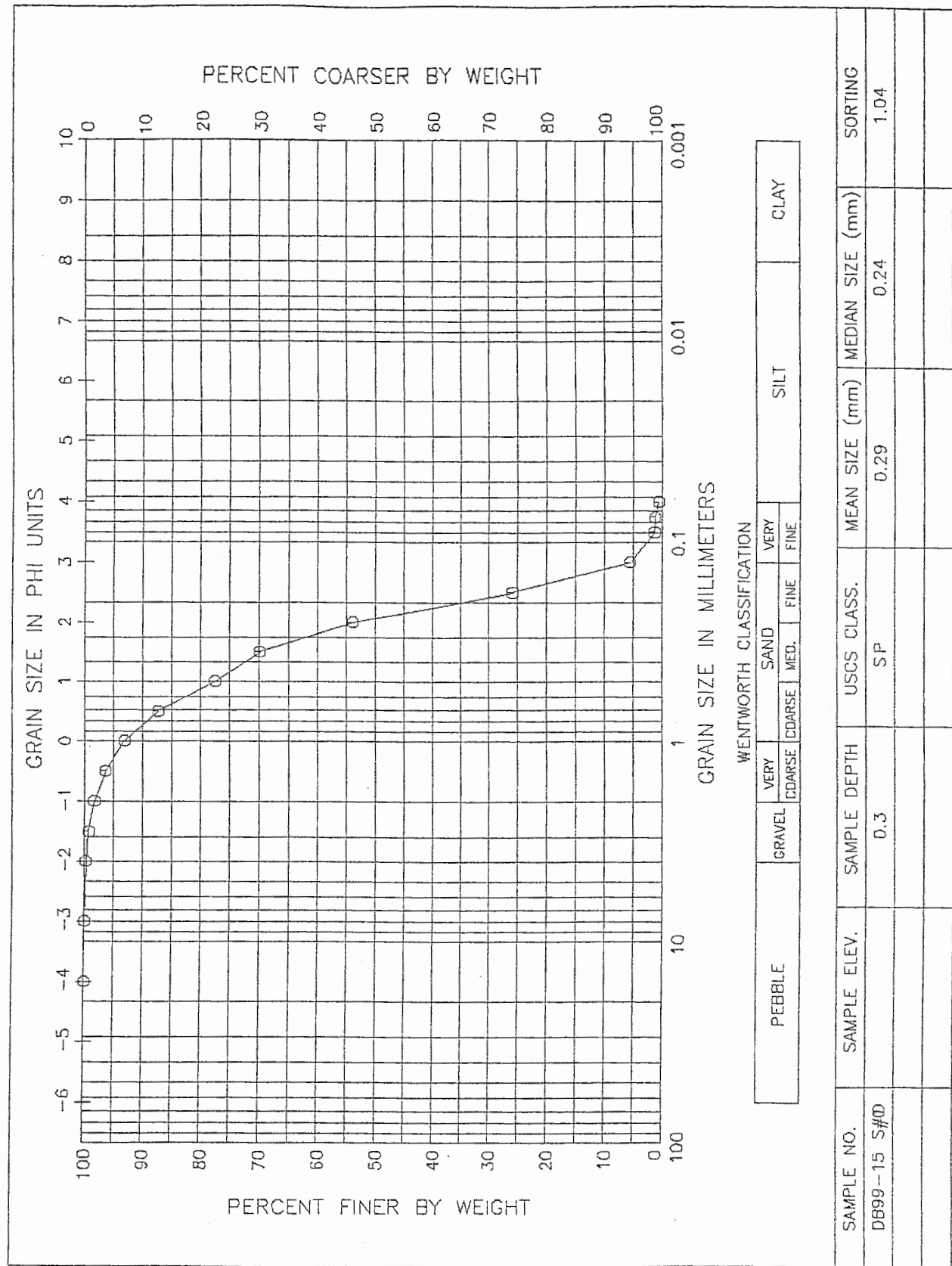
GRAPHIC METHOD

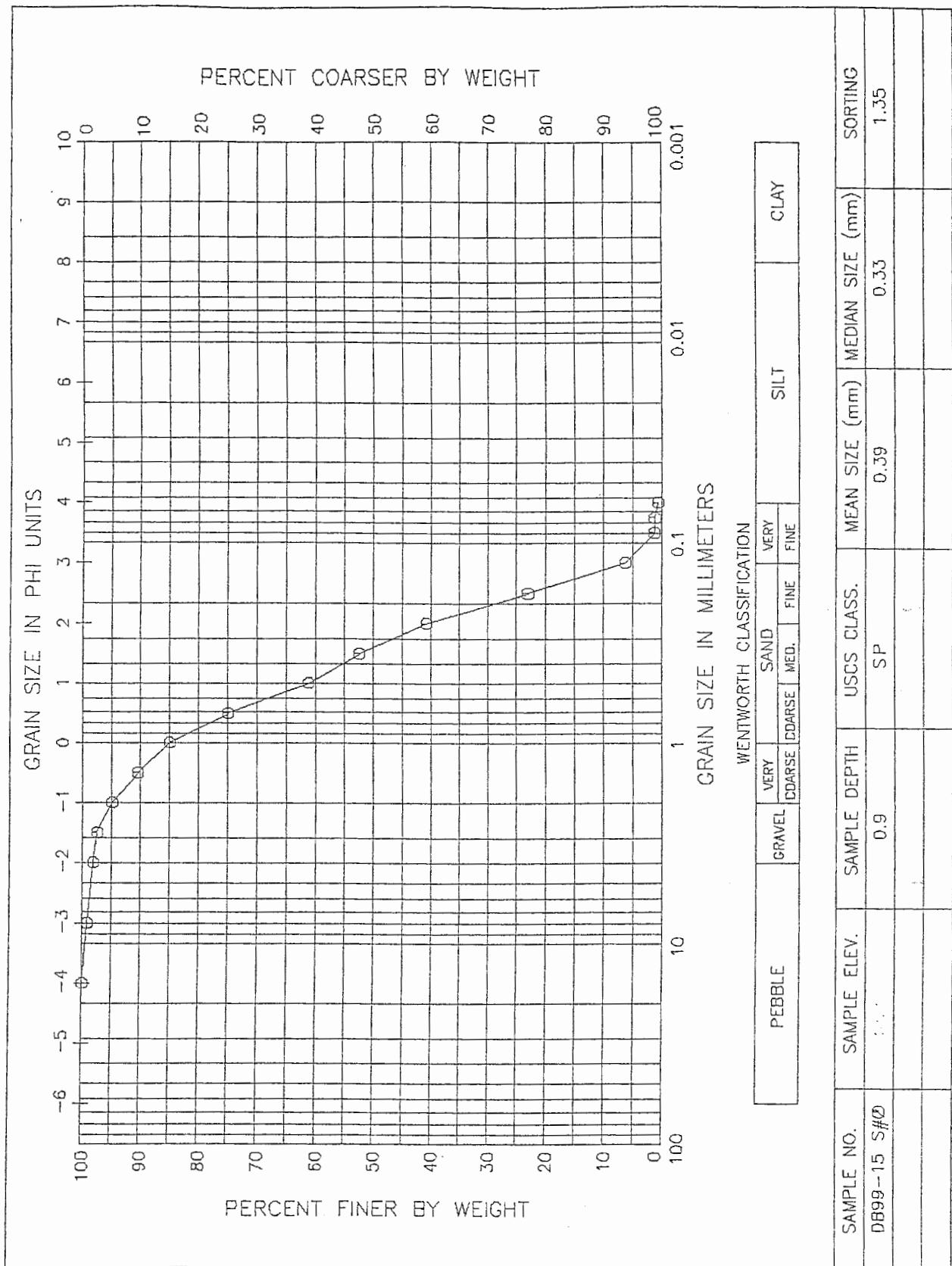
MEAN (PHI): 2.47 SORTING: 0.47
MEAN (mm): 0.18 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

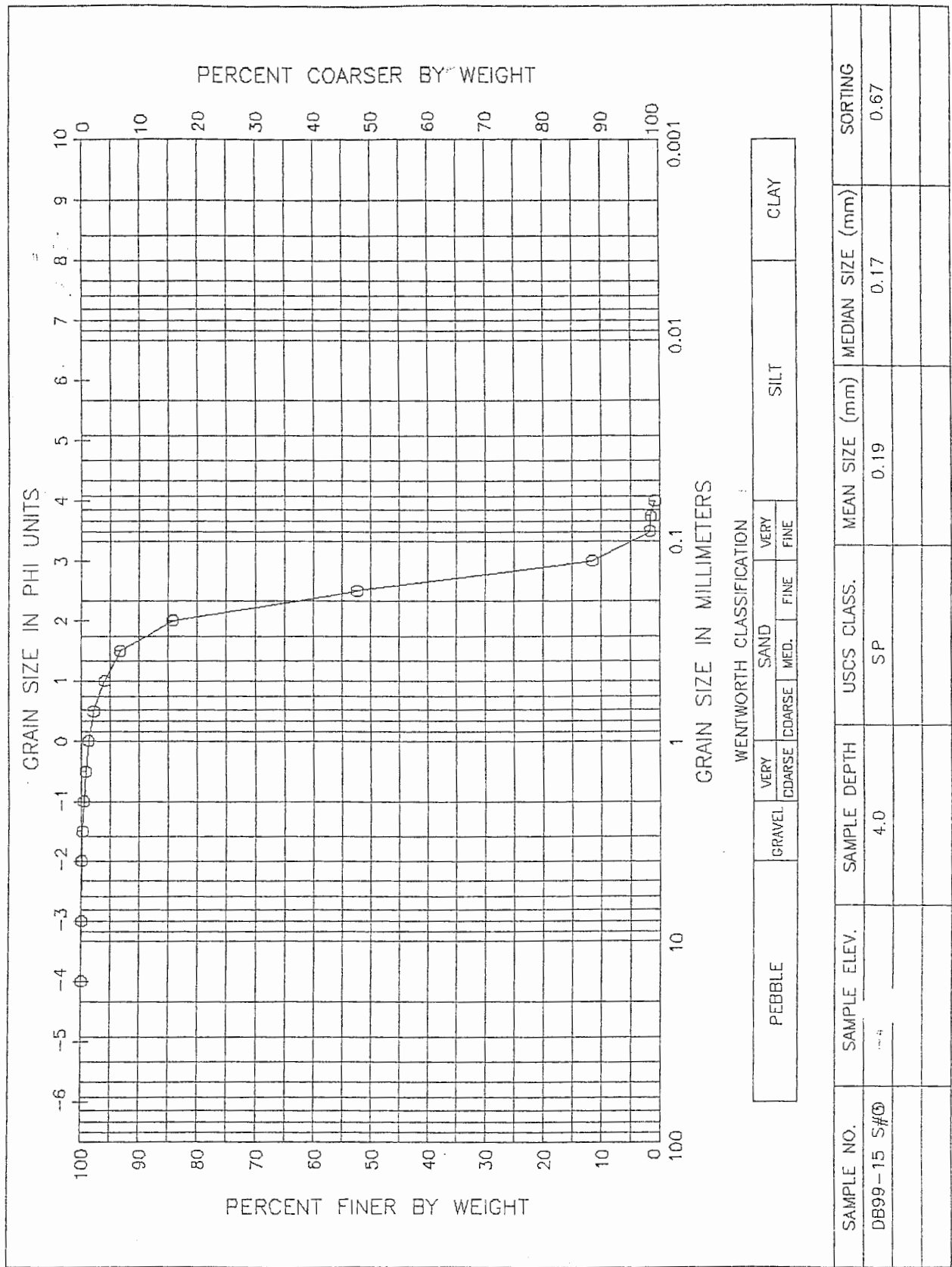
MOMENT METHOD

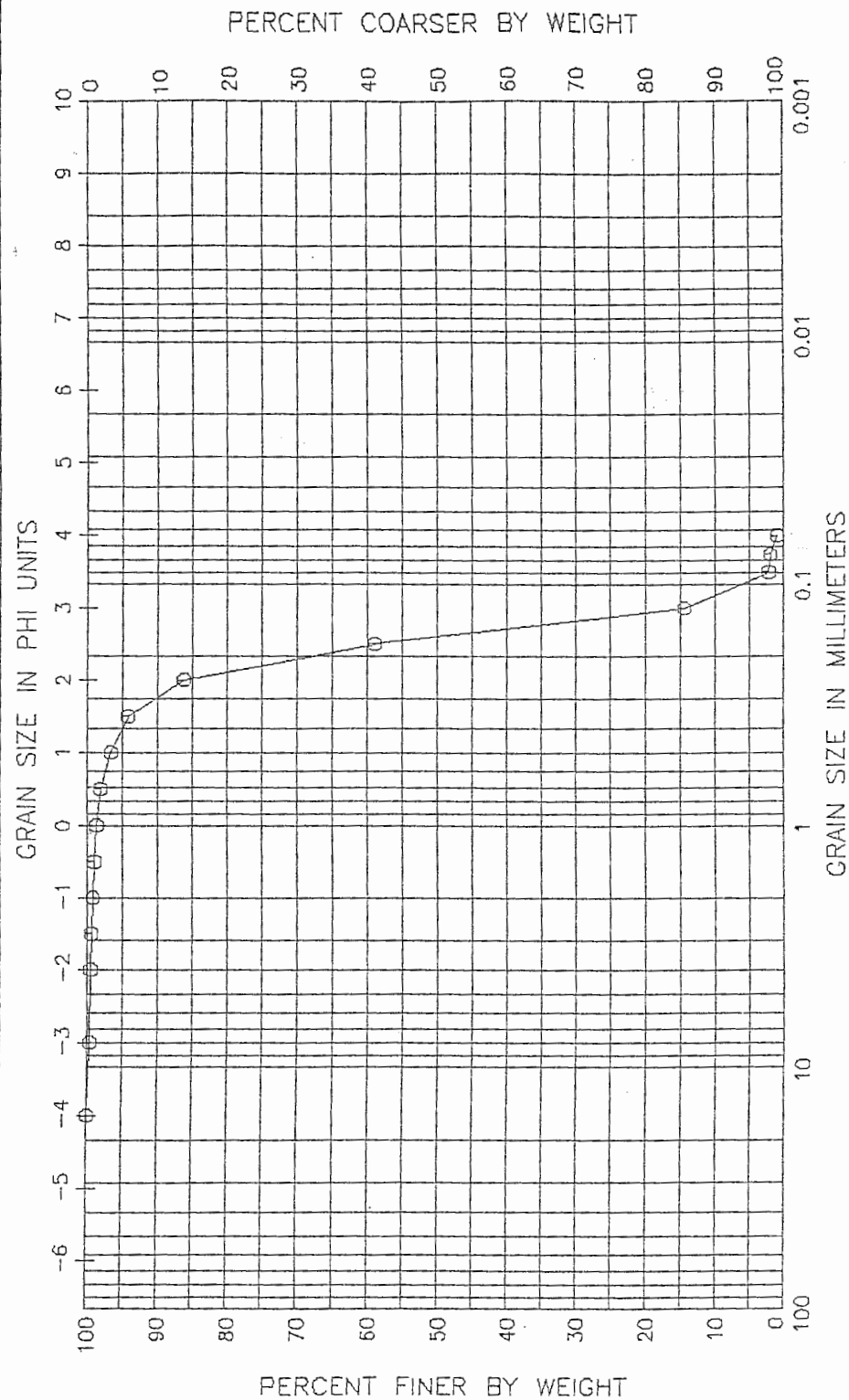
MEAN (PHI): 2.47 SORTING: 0.73
MEAN (mm): 0.18

DATA FILE NAME: DB99-15#4.TAB









SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99-15 S#		12.0	SP	0.18	0.16	0.73

GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999