

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

SAMPLE NO.: DB99-24 S#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 105.84
SAMPLE WEIGHT AFTER WASH (GRAMS): 104.56

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	0.10	0.09	99.91
7	-1.50	2.800	0.28	0.26	99.74
10	-1.00	2.000	0.46	0.43	99.57
14	-0.50	1.400	0.78	0.74	99.26
18	0.00	1.000	1.25	1.18	98.82
25	0.50	0.710	2.05	1.94	98.06
35	1.00	0.500	4.46	4.21	95.79
45	1.50	0.355	10.42	9.85	90.15
60	2.00	0.250	27.21	25.71	74.29
80	2.50	0.180	61.34	57.96	42.04
120	3.00	0.125	98.35	92.92	7.08
170	3.50	0.090	104.40	98.64	1.36
200	3.75	0.075	104.50	98.73	1.27
230	4.00	0.063	105.17	99.37	0.63
PAN			105.84	100.00	0.00

PHI(5): 1.07 PHI(16): 1.69 PHI(25): 1.98
PHI(50): 2.38 PHI(75): 2.74 PHI(84): 2.87
PHI(95): 3.18

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.27%
SKEWNESS: -0.426 KURTOSIS: 1.130

GRAPHIC METHOD

MEAN (PHI): 2.24 SORTING: 0.59
MEAN (mm) : 0.21 MEDIAN (mm): 0.19
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.27 SORTING: 0.68
MEAN (mm) : 0.21

DATA FILE NAME: DB99-24#1.TAB

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

SAMPLE NO.: DB99-24 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.39
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.73

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	0.87	0.88	99.12
7	-1.50	2.800	1.51	1.53	98.47
10	-1.00	2.000	2.54	2.58	97.42
14	-0.50	1.400	3.43	3.49	96.51
18	0.00	1.000	3.98	4.05	95.95
25	0.50	0.710	4.72	4.80	95.20
35	1.00	0.500	6.06	6.16	93.84
45	1.50	0.355	8.73	8.87	91.13
60	2.00	0.250	19.92	20.25	79.75
80	2.50	0.180	48.92	49.72	50.28
120	3.00	0.125	87.62	89.05	10.95
170	3.50	0.090	96.33	97.91	2.09
200	3.75	0.075	96.52	98.10	1.90
230	4.00	0.063	97.48	99.08	0.92
PAN			98.37	99.98	0.02

PHI(5): 0.57 PHI(16): 1.81 PHI(25): 2.08
PHI(50): 2.50 PHI(75): 2.82 PHI(84): 2.94
PHI(95): 3.34

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.90%
SKEWNESS: -0.977 KURTOSIS: 1.528

GRAPHIC METHOD

MEAN (PHI): 2.23 SORTING: 0.56
MEAN (mm): 0.21 MEDIAN (mm): 0.18

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.29 SORTING: 0.94
MEAN (mm): 0.20

DATA FILE NAME: DB99-24#2.TAB

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

SAMPLE NO.: DB99-24 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 102.29
SAMPLE WEIGHT AFTER WASH (GRAMS): 100.68

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	0.22	0.22	99.78
7	-1.50	2.800	0.23	0.22	99.78
10	-1.00	2.000	0.37	0.36	99.64
14	-0.50	1.400	0.66	0.65	99.35
18	0.00	1.000	1.08	1.06	98.94
25	0.50	0.710	2.05	2.00	98.00
35	1.00	0.500	4.34	4.24	95.76
45	1.50	0.355	9.22	9.01	90.99
60	2.00	0.250	27.29	26.68	73.32
80	2.50	0.180	62.95	61.54	38.46
120	3.00	0.125	95.04	92.91	7.09
170	3.50	0.090	100.47	98.22	1.78
200	3.75	0.075	100.63	98.38	1.62
230	4.00	0.063	101.47	99.19	0.81
PAN			102.28	99.99	0.01

PHI(5): 1.08 PHI(16): 1.70 PHI(25): 1.95
PHI(50): 2.33 PHI(75): 2.71 PHI(84): 2.86
PHI(95): 3.20

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.62%
SKEWNESS: -0.339 KURTOSIS: 1.139

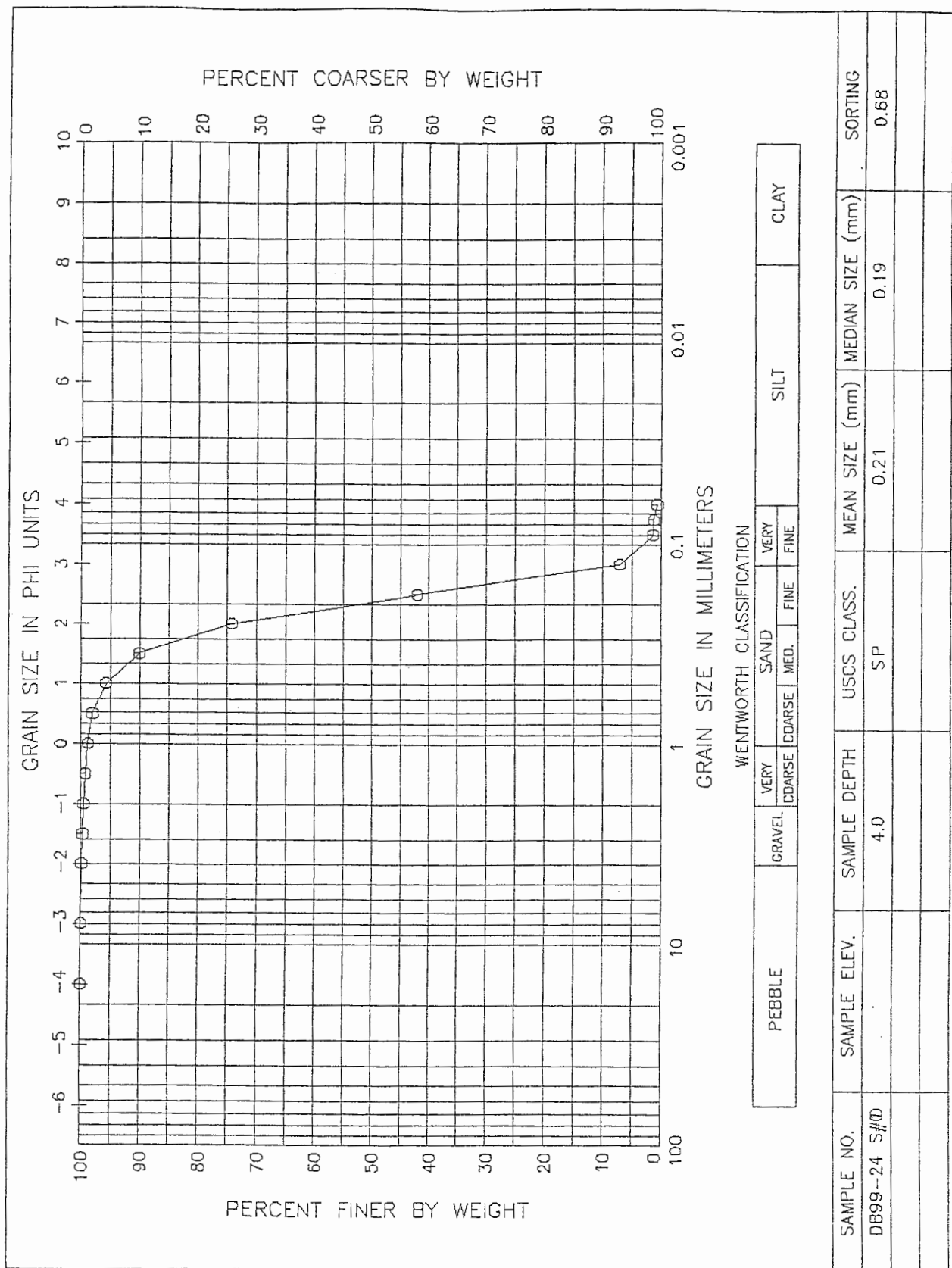
GRAPHIC METHOD

MEAN (PHI): 2.23 SORTING: 0.58
MEAN (mm) : 0.21 MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

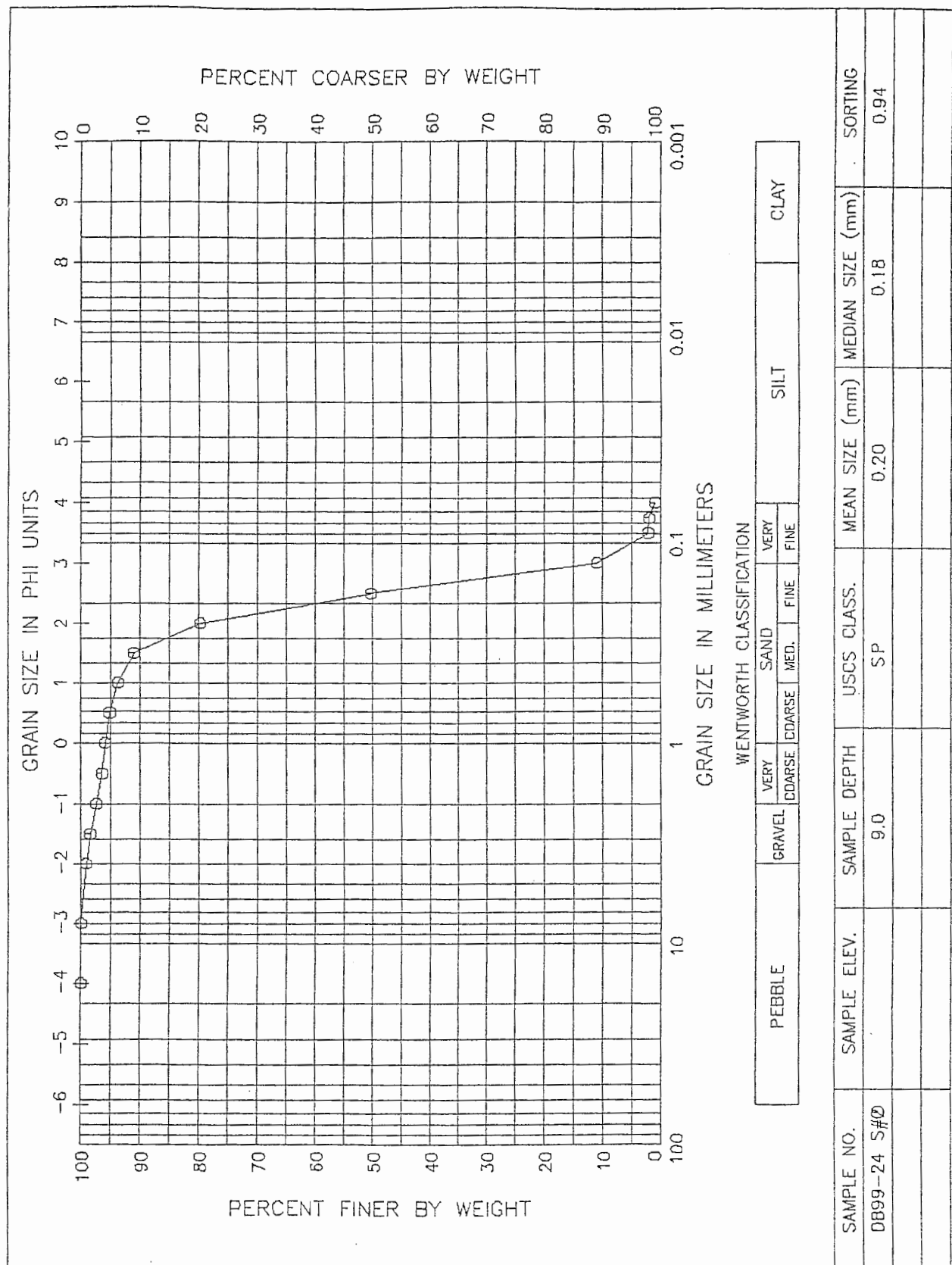
MOMENT METHOD

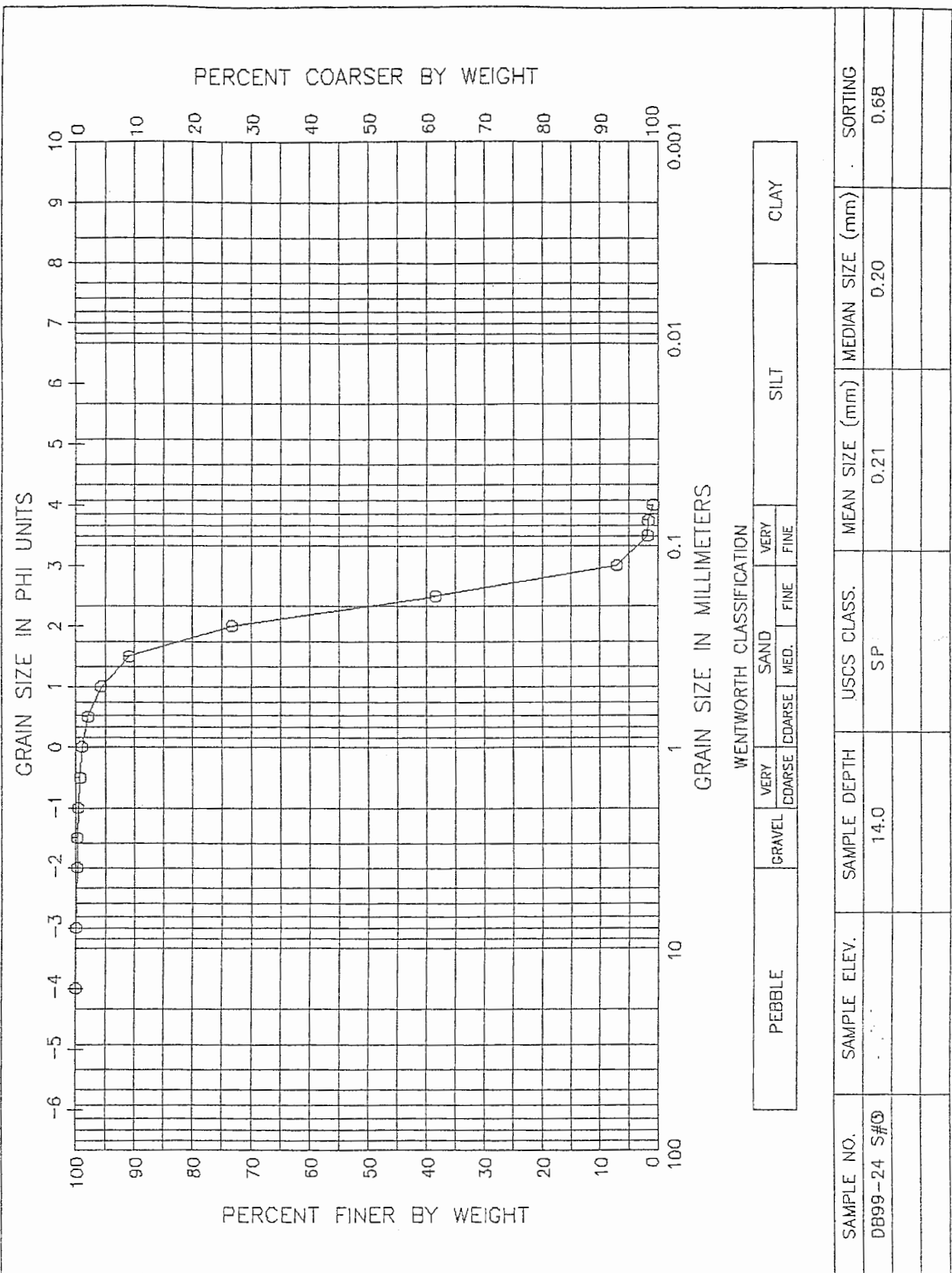
MEAN (PHI): 2.25 SORTING: 0.68
MEAN (mm) : 0.21

DATA FILE NAME: DB99-24#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999





GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999