

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

SAMPLE NO.: DB99-10 S#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 190.22
SAMPLE WEIGHT AFTER WASH (GRAMS): 185.81

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	0.09	0.05	99.95
7	-1.50	2.800	0.36	0.19	99.81
10	-1.00	2.000	0.80	0.42	99.58
14	-0.50	1.400	1.59	0.84	99.16
18	0.00	1.000	2.92	1.54	98.46
25	0.50	0.710	5.38	2.83	97.17
35	1.00	0.500	11.54	6.07	93.93
45	1.50	0.355	22.18	11.66	88.34
60	2.00	0.250	45.03	23.67	76.33
80	2.50	0.180	96.45	50.70	49.30
120	3.00	0.125	172.00	90.42	9.58
170	3.50	0.090	185.47	97.50	2.50
200	3.75	0.075	185.66	97.60	2.40
230	4.00	0.063	187.99	98.83	1.17
PAN			190.19	99.98	0.02

PHI(5): 0.84 PHI(16): 1.68 PHI(25): 2.02
PHI(50): 2.49 PHI(75): 2.81 PHI(84): 2.92
PHI(95): 3.32

SIEVE LOSS(g): 0.03 SILT/CLAY: 2.40%
SKEWNESS: -0.658 KURTOSIS: 1.305

GRAPHIC METHOD

MEAN (PHI): 2.25 SORTING: 0.62
MEAN (mm): 0.21 MEDIAN (mm): 0.18
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.30 SORTING: 0.75
MEAN (mm): 0.20

DATA FILE NAME: DB99-10#1.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: DB99-10 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 174.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 167.28

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	0.00	0.00	100.00
5	-2.00	4.000	0.06	0.03	99.97
7	-1.50	2.800	0.34	0.19	99.81
10	-1.00	2.000	1.15	0.66	99.34
14	-0.50	1.400	2.88	1.65	98.35
18	0.00	1.000	5.08	2.91	97.09
25	0.50	0.710	11.07	6.34	93.66
35	1.00	0.500	28.53	16.35	83.65
45	1.50	0.355	50.92	29.18	70.82
60	2.00	0.250	84.33	48.33	51.67
80	2.50	0.180	127.67	73.16	26.84
120	3.00	0.125	162.24	92.97	7.03
170	3.50	0.090	168.05	96.30	3.70
200	3.75	0.075	167.19	95.81	4.19
230	4.00	0.063	170.86	97.91	2.09
PAN			174.48	99.99	0.01

PHI(5): 0.30 PHI(16): 0.98 PHI(25): 1.34
PHI(50): 2.03 PHI(75): 2.55 PHI(84): 2.77
PHI(95): 3.30

SIEVE LOSS(g): 0.02 SILT/CLAY: 4.19%
SKEWNESS: -0.256 KURTOSIS: 1.017

GRAPHIC METHOD

MEAN (PHI): 1.88 SORTING: 0.90
MEAN (mm) : 0.27 MEDIAN (mm): 0.24
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.87 SORTING: 0.90
MEAN (mm) : 0.27

DATA FILE NAME: DB99-10#2.TAB

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

SAMPLE NO.: DB99-10 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 6.1
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 243.27
SAMPLE WEIGHT AFTER WASH (GRAMS): 239.73

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	0.25	0.10	99.90
5	-2.00	4.000	1.32	0.54	99.46
7	-1.50	2.800	3.50	1.44	98.56
10	-1.00	2.000	4.57	1.88	98.12
14	-0.50	1.400	8.94	3.67	96.33
18	0.00	1.000	17.35	7.13	92.87
25	0.50	0.710	30.81	12.66	87.34
35	1.00	0.500	57.13	23.48	76.52
45	1.50	0.355	89.68	36.86	63.14
60	2.00	0.250	133.53	54.89	45.11
80	2.50	0.180	185.68	76.33	23.67
120	3.00	0.125	233.10	95.82	4.18
170	3.50	0.090	239.41	98.41	1.59
200	3.75	0.075	239.65	98.51	1.49
230	4.00	0.063	241.47	99.26	0.74
PAN			243.26	100.00	0.00

PHI(5): -0.31 PHI(16): 0.65 PHI(25): 1.06
PHI(50): 1.86 PHI(75): 2.47 PHI(84): 2.70
PHI(95): 2.98

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.49%
SKEWNESS: -0.518 KURTOSIS: 0.954

GRAPHIC METHOD

MEAN (PHI): 1.58 SORTING: 1.02
MEAN (mm): 0.34 MEDIAN (mm): 0.27
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.67 SORTING: 1.06
MEAN (mm): 0.31

DATA FILE NAME: DB99-10#3.TAB

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

SAMPLE NO.: DB99-10 S#5
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 15.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 191.15
SAMPLE WEIGHT AFTER WASH (GRAMS): 188.42

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	0.24	0.13	99.87
7	-1.50	2.800	0.50	0.26	99.74
10	-1.00	2.000	0.94	0.49	99.51
14	-0.50	1.400	1.53	0.80	99.20
18	0.00	1.000	2.23	1.17	98.83
25	0.50	0.710	3.82	2.00	98.00
35	1.00	0.500	9.28	4.85	95.15
45	1.50	0.355	20.09	10.51	89.49
60	2.00	0.250	54.60	28.56	71.44
80	2.50	0.180	122.66	64.17	35.83
120	3.00	0.125	179.26	93.78	6.22
170	3.50	0.090	188.23	98.47	1.53
200	3.75	0.075	188.32	98.52	1.48
230	4.00	0.063	189.73	99.26	0.74
PAN			191.13	99.99	0.01

PHI(5): 1.01	PHI(16): 1.65	PHI(25): 1.90
PHI(50): 2.30	PHI(75): 2.68	PHI(84): 2.83
PHI(95): 3.13		

SIEVE LOSS(g): 0.02	SILT/CLAY: 1.48%
SKEWNESS: -0.388	KURTOSIS: 1.110

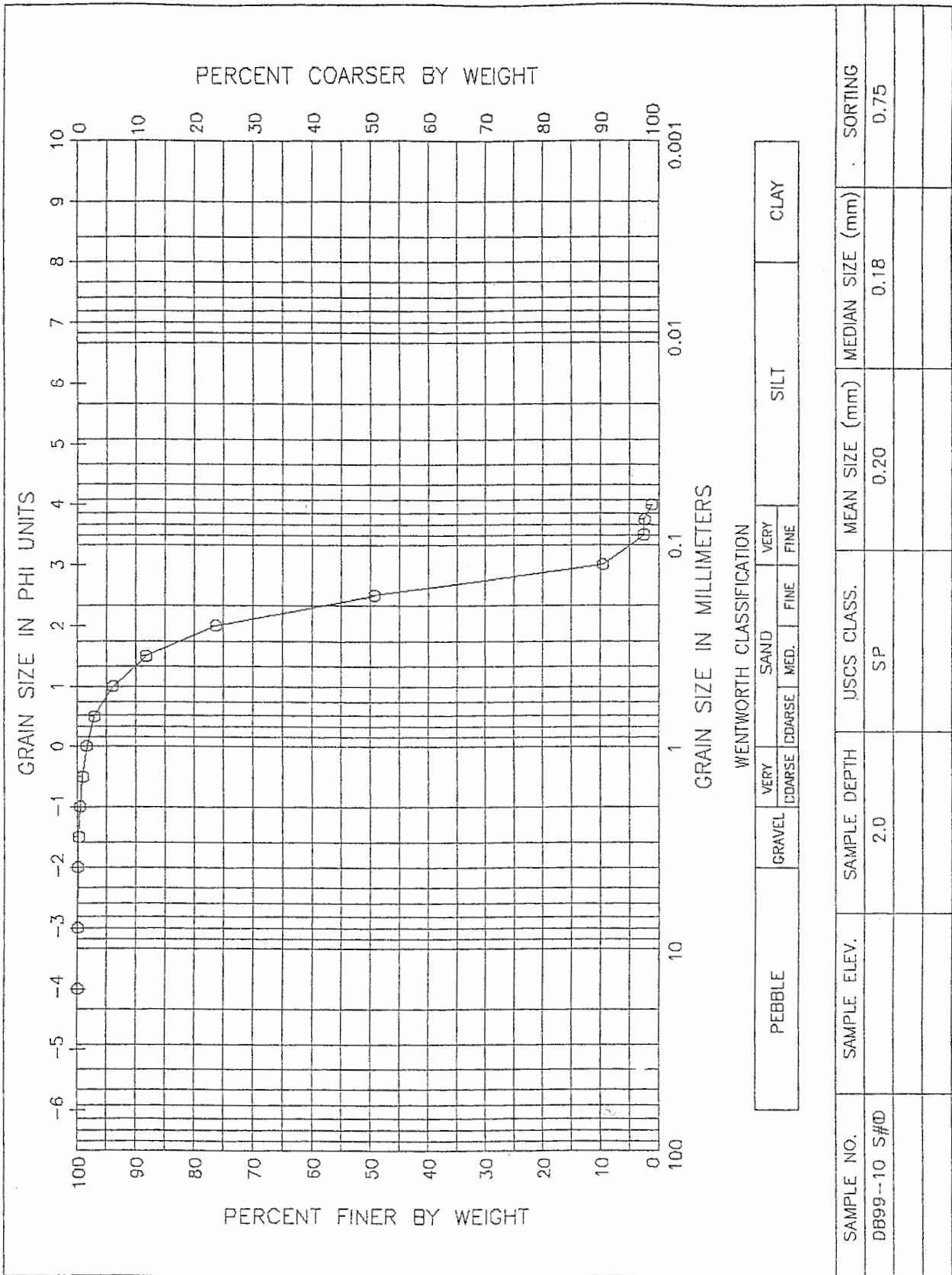
GRAPHIC METHOD

MEAN (PHI): 2.19	SORTING: 0.59
MEAN (mm): 0.22	MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

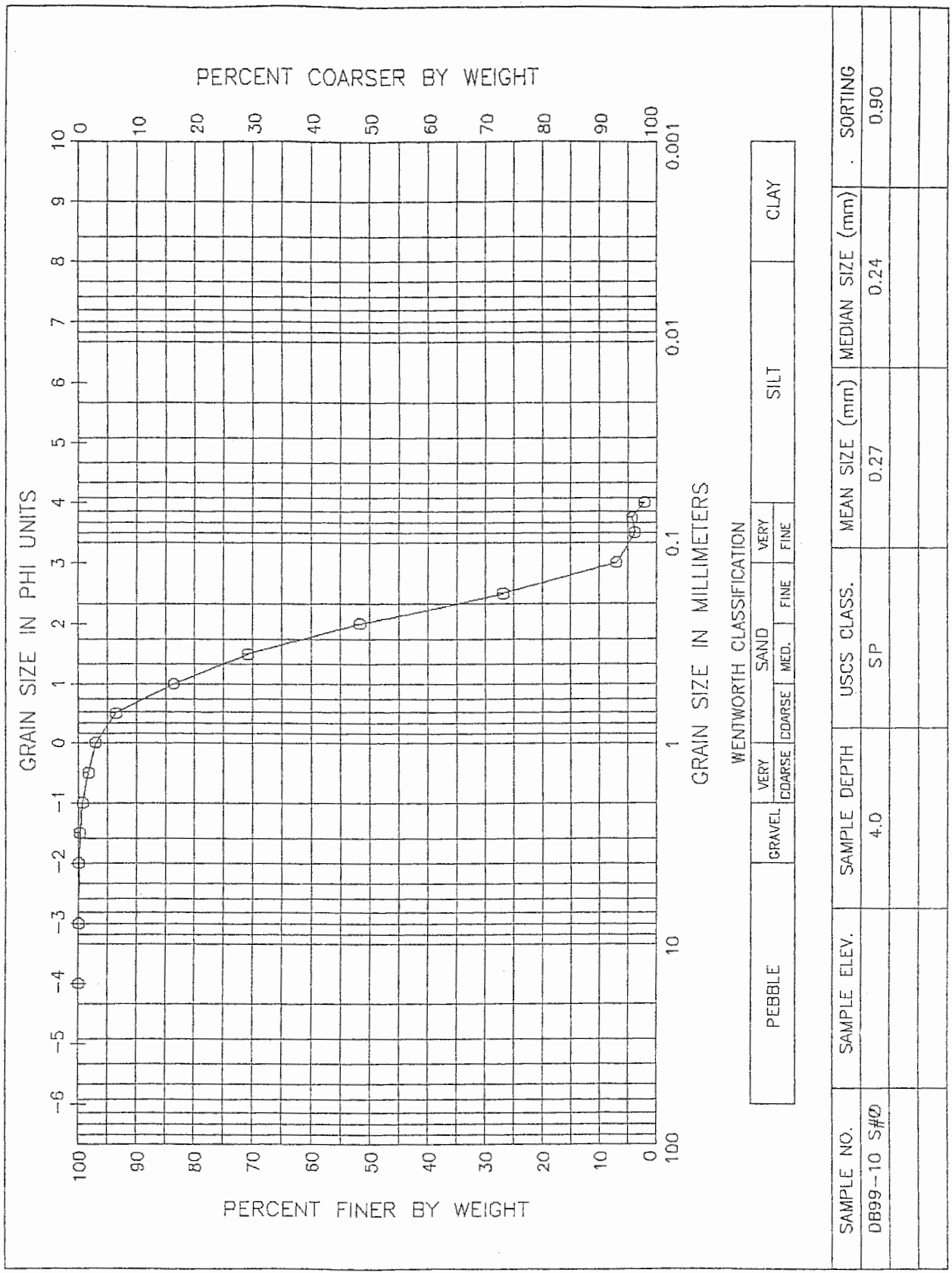
MOMENT METHOD

MEAN (PHI): 2.21	SORTING: 0.69
MEAN (mm): 0.22	

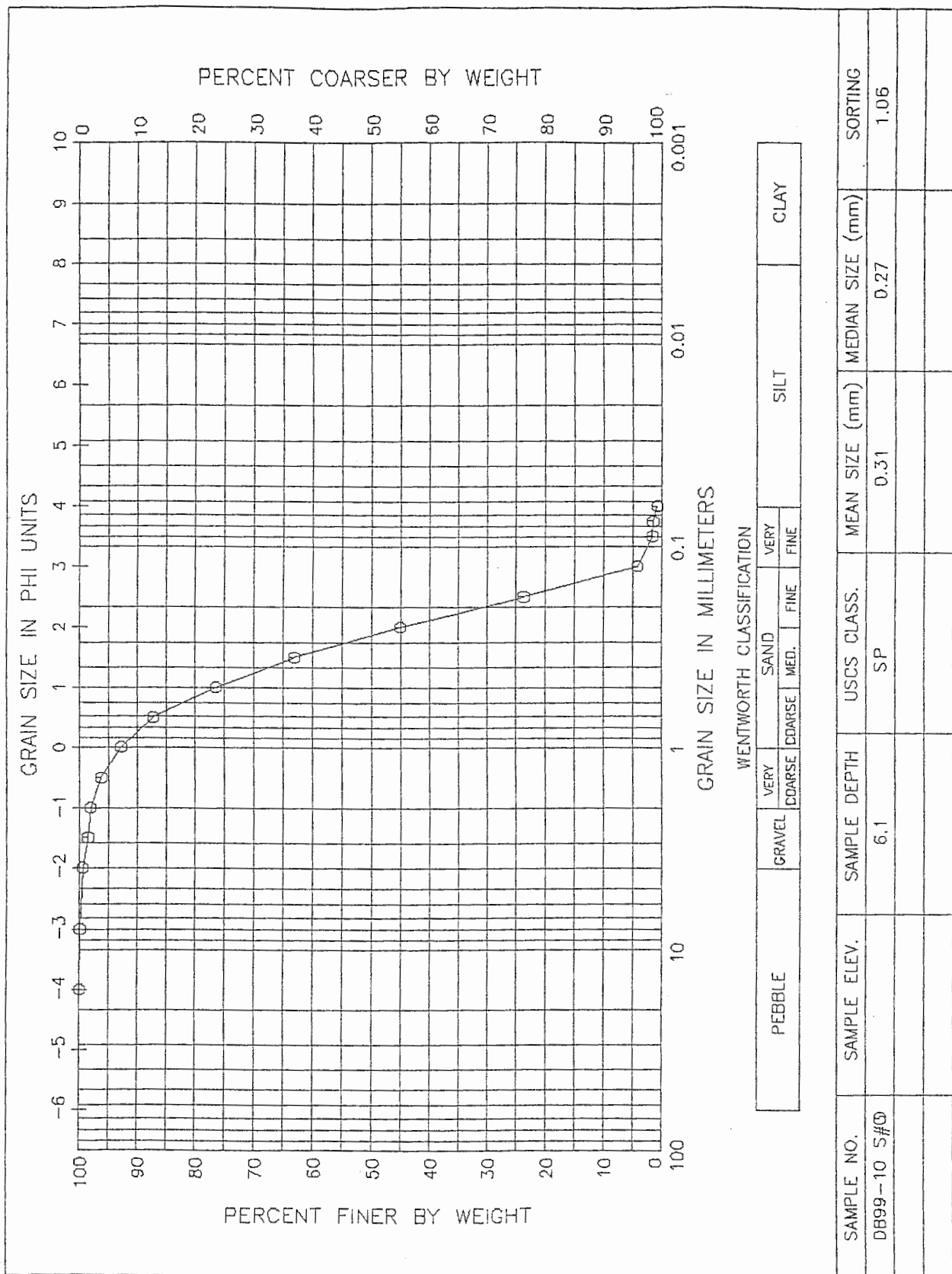
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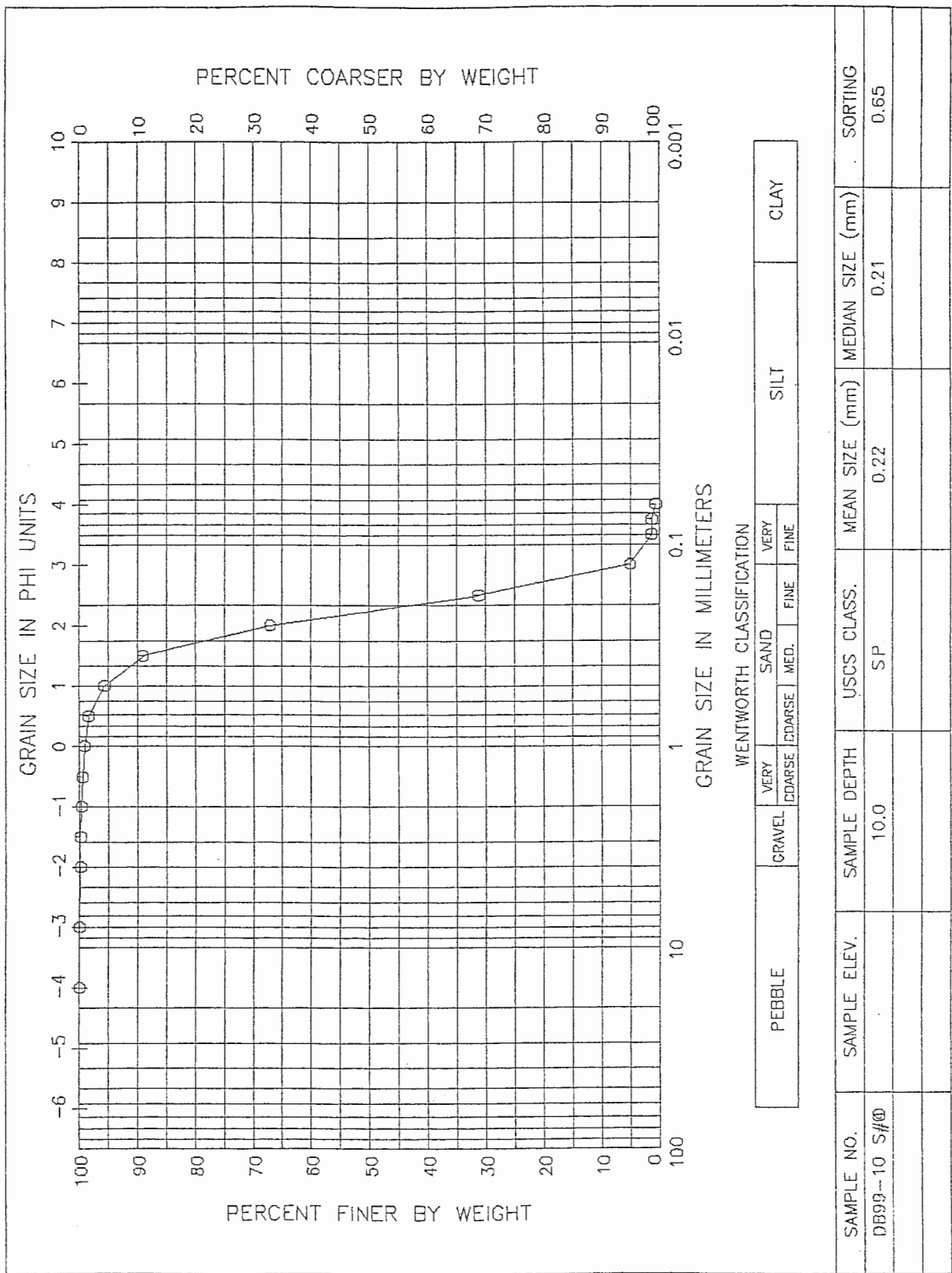


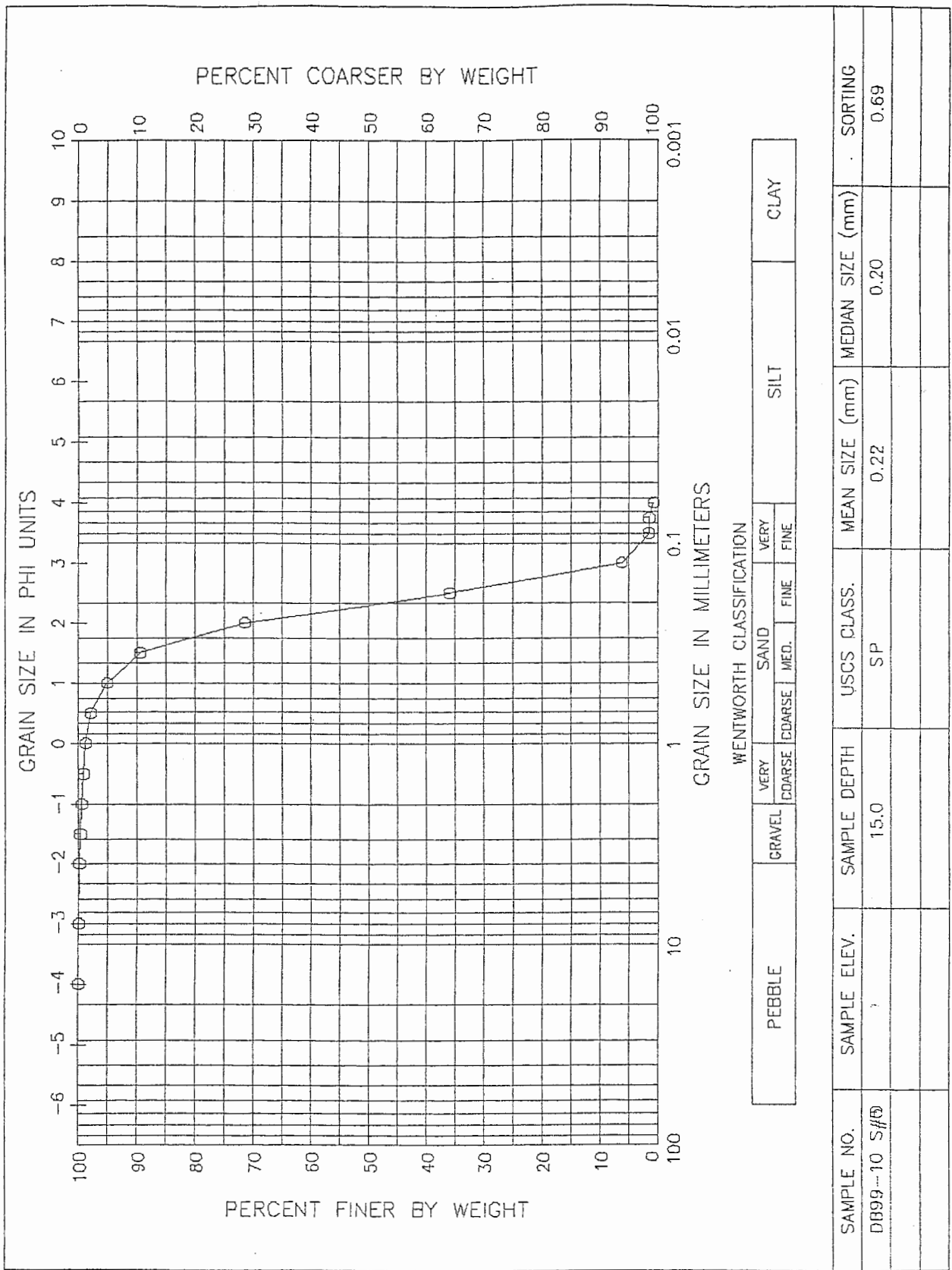
GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
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