

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

SAMPLE NO.: DB99-13 S#1
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 2.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 249.16
 SAMPLE WEIGHT AFTER WASH (GRAMS): 240.16

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	0.73	0.29	99.71
5	-2.00	4.000	1.55	0.62	99.38
7	-1.50	2.800	2.61	1.05	98.95
10	-1.00	2.000	5.16	2.07	97.93
14	-0.50	1.400	8.69	3.49	96.51
18	0.00	1.000	13.44	5.39	94.61
25	0.50	0.710	21.56	8.65	91.35
35	1.00	0.500	36.34	14.59	85.41
45	1.50	0.355	50.84	20.40	79.60
60	2.00	0.250	84.80	34.03	65.97
80	2.50	0.180	163.14	65.48	34.52
120	3.00	0.125	228.09	91.54	8.46
170	3.50	0.090	239.98	96.32	3.68
200	3.75	0.075	240.06	96.35	3.65
230	4.00	0.063	244.64	98.19	1.81
PAN			249.16	100.00	0.00

PHI(5): -0.10 PHI(16): 1.12 PHI(25): 1.67
 PHI(50): 2.25 PHI(75): 2.68 PHI(84): 2.86
 PHI(95): 3.36

SIEVE LOSS(g): 0.00 SILT/CLAY: 3.65%
 SKEWNESS: -0.720 KURTOSIS: 1.401

GRAPHIC METHOD
 MEAN (PHI): 1.90 SORTING: 0.87
 MEAN (mm) : 0.27 MEDIAN (mm): 0.21
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.00 SORTING: 1.04
 MEAN (mm) : 0.25

DATA FILE NAME: DB99-13#1.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: DB99-13 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 202.08
SAMPLE WEIGHT AFTER WASH (GRAMS): 199.95

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	1.09	0.54	99.46
7	-1.50	2.800	2.23	1.10	98.90
10	-1.00	2.000	6.57	3.25	96.75
14	-0.50	1.400	10.91	5.40	94.60
18	0.00	1.000	15.92	7.88	92.12
25	0.50	0.710	23.94	11.85	88.15
35	1.00	0.500	37.07	18.34	81.66
45	1.50	0.355	49.95	24.72	75.28
60	2.00	0.250	75.04	37.13	62.87
80	2.50	0.180	128.80	63.74	36.26
120	3.00	0.125	187.08	92.58	7.42
170	3.50	0.090	199.67	98.81	1.19
200	3.75	0.075	199.83	98.89	1.11
230	4.00	0.063	200.96	99.45	0.55
PAN			202.05	99.99	0.01

PHI(5): -0.59 PHI(16): 0.82 PHI(25): 1.51
PHI(50): 2.24 PHI(75): 2.70 PHI(84): 2.85
PHI(95): 3.19

SIEVE LOSS(g): 0.03 SILT/CLAY: 1.11%
SKEWNESS: -0.926 KURTOSIS: 1.311

GRAPHIC METHOD

MEAN (PHI): 1.70 SORTING: 1.02
MEAN (mm): 0.31 MEDIAN (mm): 0.21
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.91 SORTING: 1.13
MEAN (mm): 0.27

DATA FILE NAME: DB99-13#2.TAB

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

SAMPLE NO.: DB99-13 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 180.86
SAMPLE WEIGHT AFTER WASH (GRAMS): 178.33

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	0.06	0.03	99.97
7	-1.50	2.800	0.17	0.09	99.91
10	-1.00	2.000	0.64	0.35	99.65
14	-0.50	1.400	1.18	0.65	99.35
18	0.00	1.000	2.18	1.21	98.79
25	0.50	0.710	4.06	2.24	97.76
35	1.00	0.500	9.16	5.06	94.94
45	1.50	0.355	17.50	9.68	90.32
60	2.00	0.250	44.23	24.46	75.54
80	2.50	0.180	106.88	59.10	40.90
120	3.00	0.125	165.73	91.63	8.37
170	3.50	0.090	178.06	98.45	1.55
200	3.75	0.075	178.22	98.54	1.46
230	4.00	0.063	179.57	99.28	0.72
PAN			180.84	99.99	0.01

PHI(5): 0.99 PHI(16): 1.71 PHI(25): 2.01
PHI(50): 2.37 PHI(75): 2.74 PHI(84): 2.88
PHI(95): 3.25

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.46%
SKEWNESS: -0.430 KURTOSIS: 1.257

GRAPHIC METHOD

MEAN (PHI): 2.24 SORTING: 0.58
MEAN (mm) : 0.21 MEDIAN (mm): 0.19
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.28 SORTING: 0.69
MEAN (mm) : 0.21

DATA FILE NAME: DB99-13#3.TAB

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

SAMPLE NO.: DB99-13 S#4
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 209.77
SAMPLE WEIGHT AFTER WASH (GRAMS): 206.17

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	0.26	0.12	99.88
7	-1.50	2.800	0.57	0.27	99.73
10	-1.00	2.000	1.24	0.59	99.41
14	-0.50	1.400	2.57	1.23	98.77
18	0.00	1.000	4.83	2.30	97.70
25	0.50	0.710	9.55	4.55	95.45
35	1.00	0.500	21.87	10.43	89.57
45	1.50	0.355	41.39	19.73	80.27
60	2.00	0.250	85.96	40.98	59.02
80	2.50	0.180	147.46	70.30	29.70
120	3.00	0.125	197.64	94.22	5.78
170	3.50	0.090	205.97	98.19	1.81
200	3.75	0.075	206.08	98.24	1.76
230	4.00	0.063	207.94	99.13	0.87
PAN			209.76	100.00	0.00

PHI(5): 0.54 PHI(16): 1.30 PHI(25): 1.62
PHI(50): 2.15 PHI(75): 2.60 PHI(84): 2.79
PHI(95): 3.10

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.76%
SKEWNESS: -0.451 KURTOSIS: 1.077

GRAPHIC METHOD

MEAN (PHI): 1.98 SORTING: 0.74
MEAN (mm) : 0.25 MEDIAN (mm): 0.22
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.02 SORTING: 0.81
MEAN (mm) : 0.25

DATA FILE NAME: DB99-13#4.TAB

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

SAMPLE NO.: DB99-13 S#5
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 224.06
SAMPLE WEIGHT AFTER WASH (GRAMS): 220.97

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	0.12	0.05	99.95
7	-1.50	2.800	0.34	0.15	99.85
10	-1.00	2.000	0.70	0.31	99.69
14	-0.50	1.400	1.62	0.72	99.28
18	0.00	1.000	3.07	1.37	98.63
25	0.50	0.710	6.07	2.71	97.29
35	1.00	0.500	13.87	6.19	93.81
45	1.50	0.355	26.11	11.65	88.35
60	2.00	0.250	61.80	27.58	72.42
80	2.50	0.180	133.20	59.45	40.55
120	3.00	0.125	207.67	92.68	7.32
170	3.50	0.090	220.60	98.46	1.54
200	3.75	0.075	220.78	98.54	1.46
230	4.00	0.063	222.43	99.27	0.73
PAN			224.06	100.00	0.00

PHI(5): 0.83 PHI(16): 1.64 PHI(25): 1.92
PHI(50): 2.35 PHI(75): 2.73 PHI(84): 2.87
PHI(95): 3.20

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.46%
SKEWNESS: -0.547 KURTOSIS: 1.193

GRAPHIC METHOD

MEAN (PHI): 2.18 SORTING: 0.62
MEAN (mm) : 0.22 MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.23 SORTING: 0.72
MEAN (mm) : 0.21

DATA FILE NAME: DB99-13#5.TAB

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

SAMPLE NO.: DB99-13 S#6
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 17.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 178.76
 SAMPLE WEIGHT AFTER WASH (GRAMS): 175.94

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	0.38	0.21	99.79
7	-1.50	2.800	1.04	0.58	99.42
10	-1.00	2.000	2.04	1.14	98.86
14	-0.50	1.400	3.29	1.84	98.16
18	0.00	1.000	4.38	2.45	97.55
25	0.50	0.710	5.65	3.16	96.84
35	1.00	0.500	8.78	4.91	95.09
45	1.50	0.355	15.56	8.70	91.30
60	2.00	0.250	36.73	20.55	79.45
80	2.50	0.180	94.40	52.81	47.19
120	3.00	0.125	165.28	92.46	7.54
170	3.50	0.090	175.57	98.22	1.78
200	3.75	0.075	175.74	98.31	1.69
230	4.00	0.063	177.24	99.15	0.85
PAN			178.75	99.99	0.01

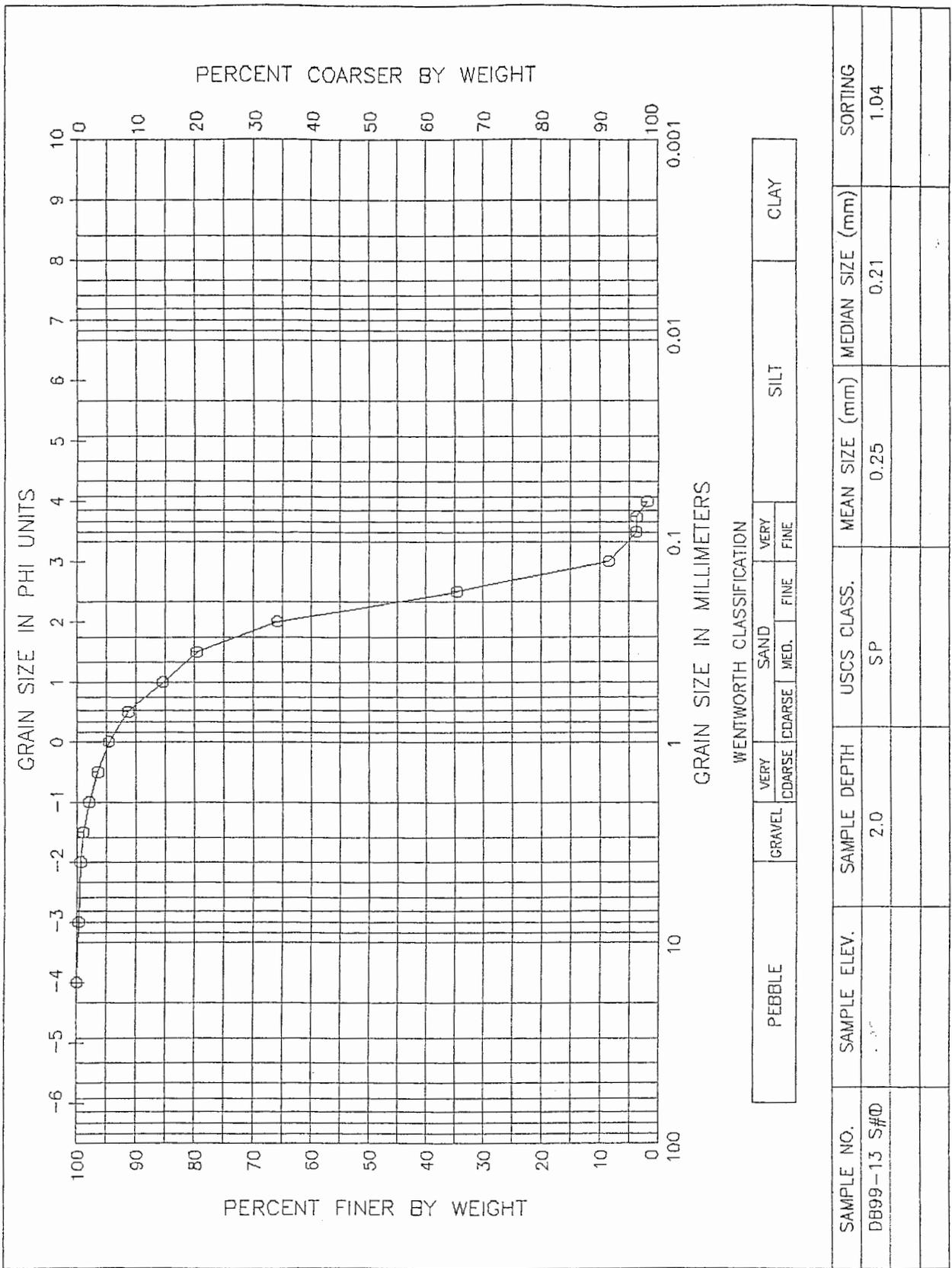
PHI(5): 1.01 PHI(16): 1.81 PHI(25): 2.07
 PHI(50): 2.46 PHI(75): 2.78 PHI(84): 2.89
 PHI(95): 3.22

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.69%
 SKEWNESS: -0.627 KURTOSIS: 1.274

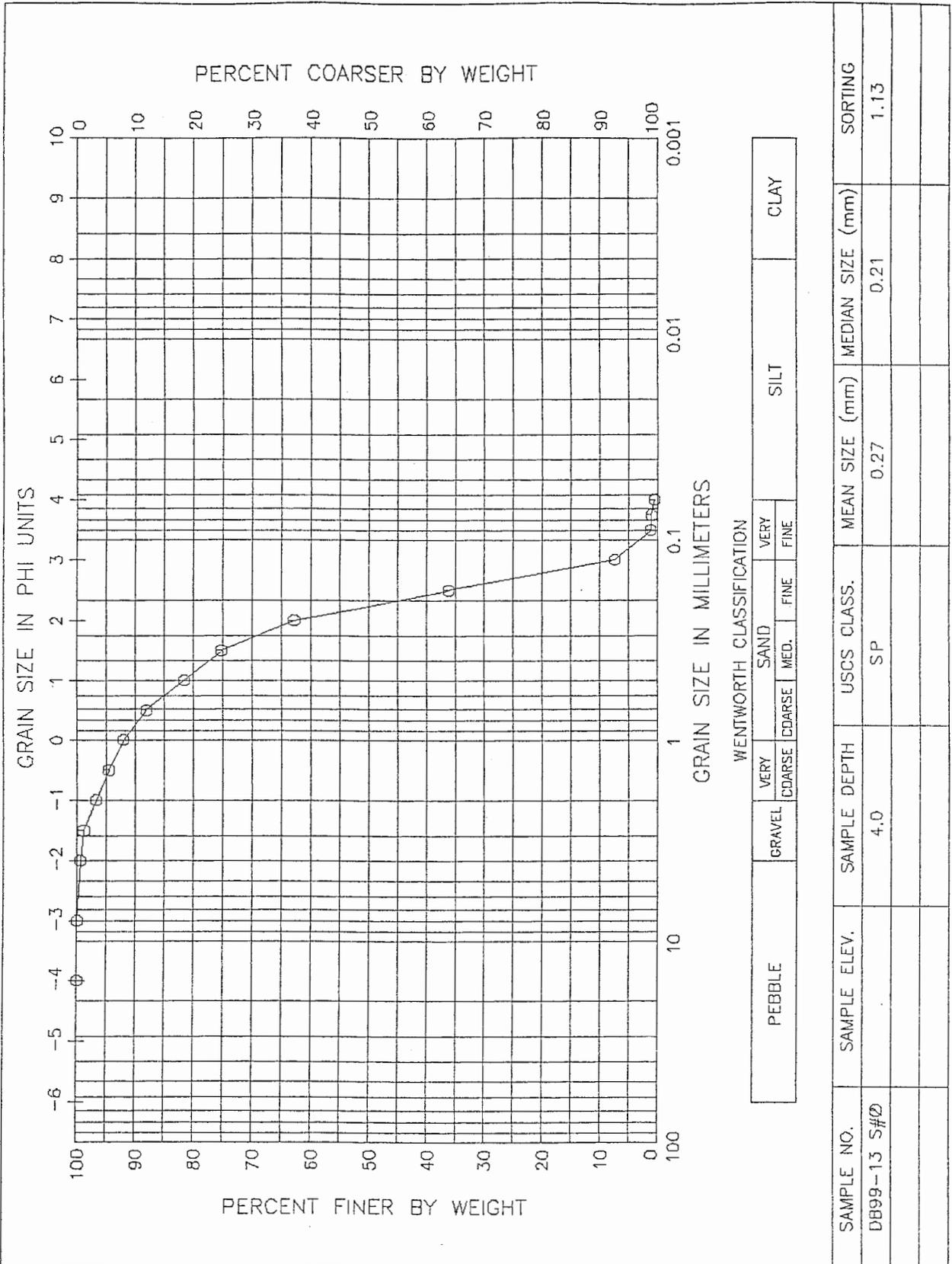
GRAPHIC METHOD
 MEAN (PHI): 2.28 SORTING: 0.54
 MEAN (mm) : 0.21 MEDIAN (mm): 0.18
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.30 SORTING: 0.77
 MEAN (mm) : 0.20

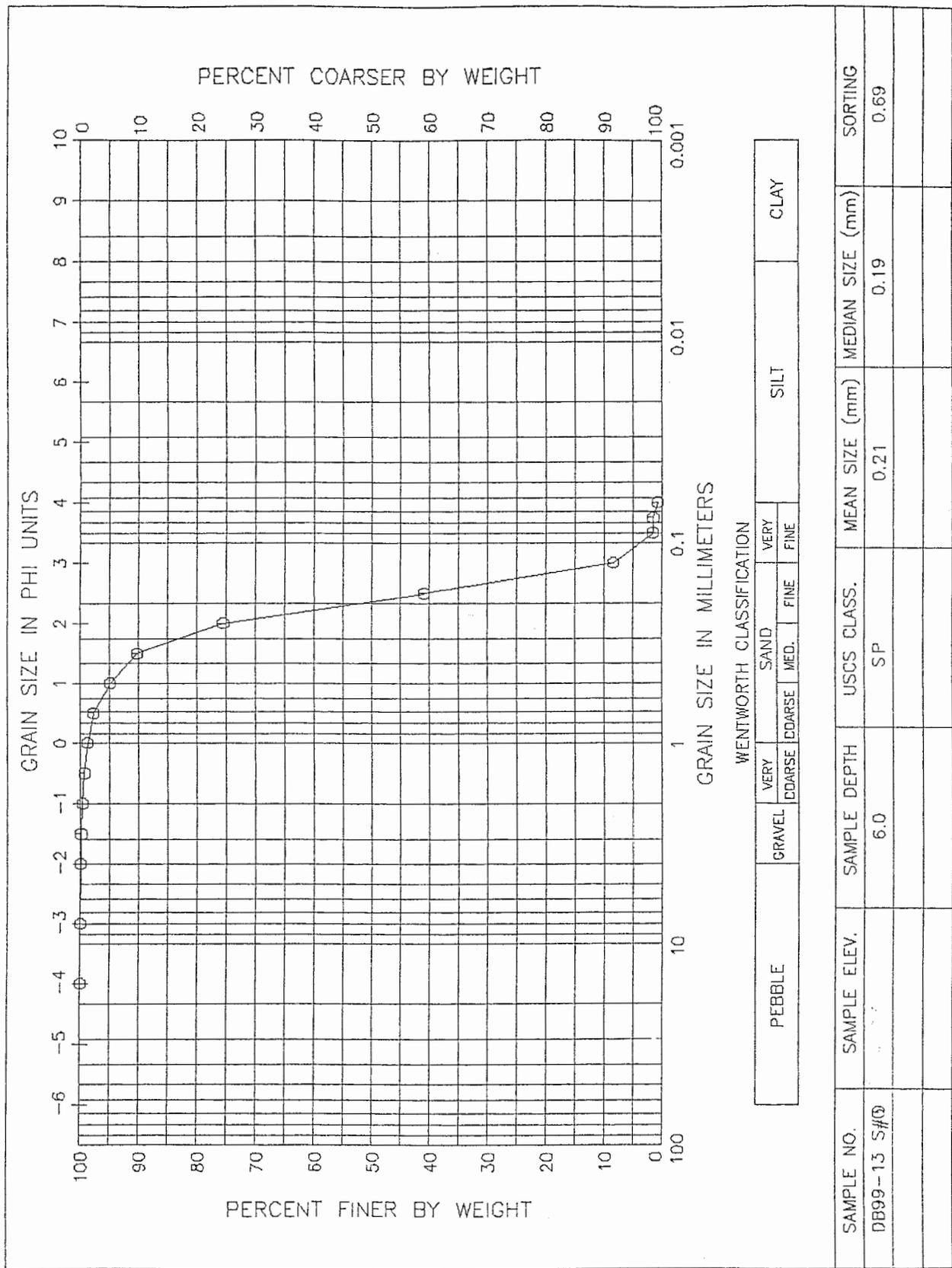
DATA FILE NAME: DB99-13#6.TAB



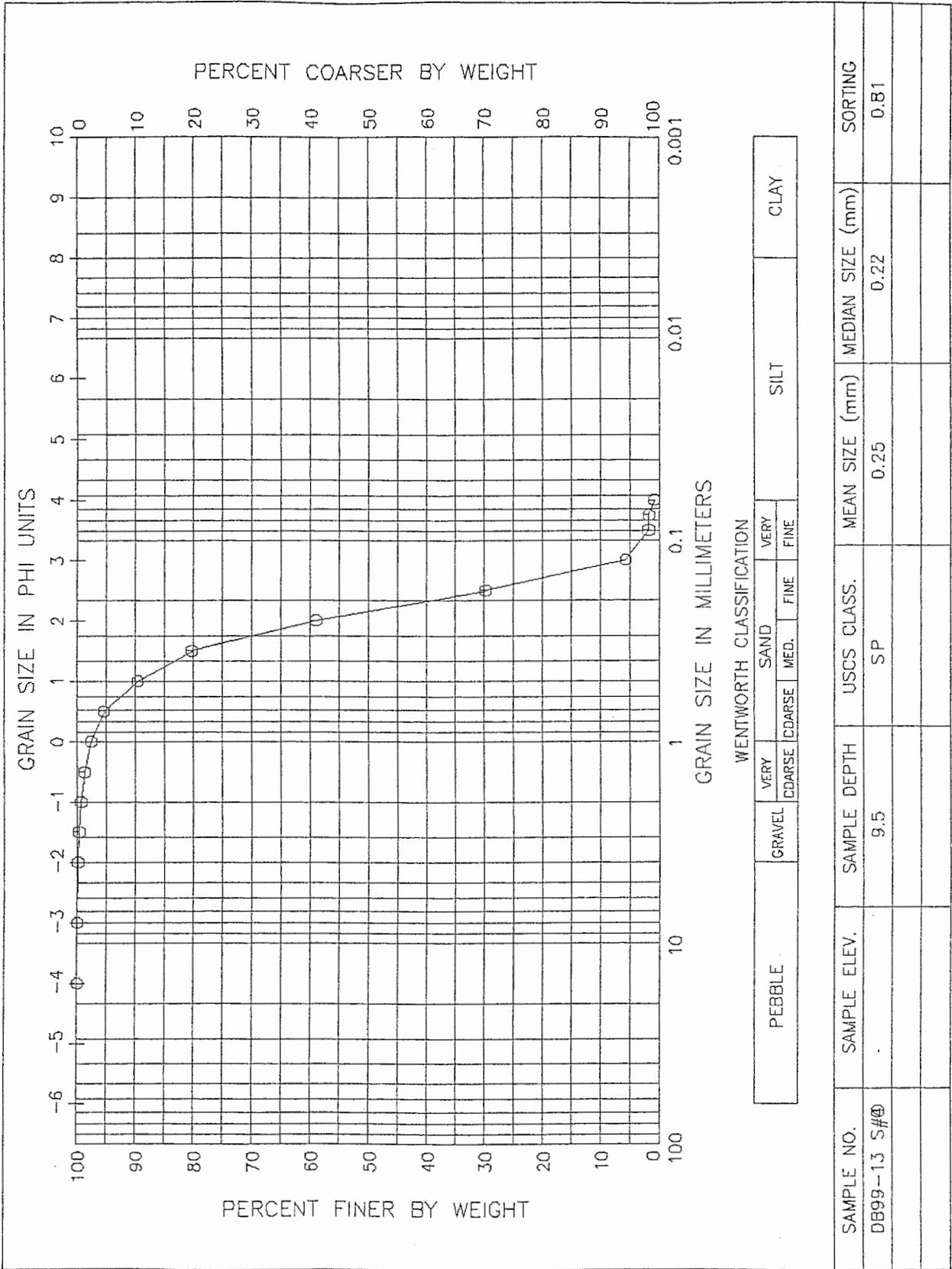
GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



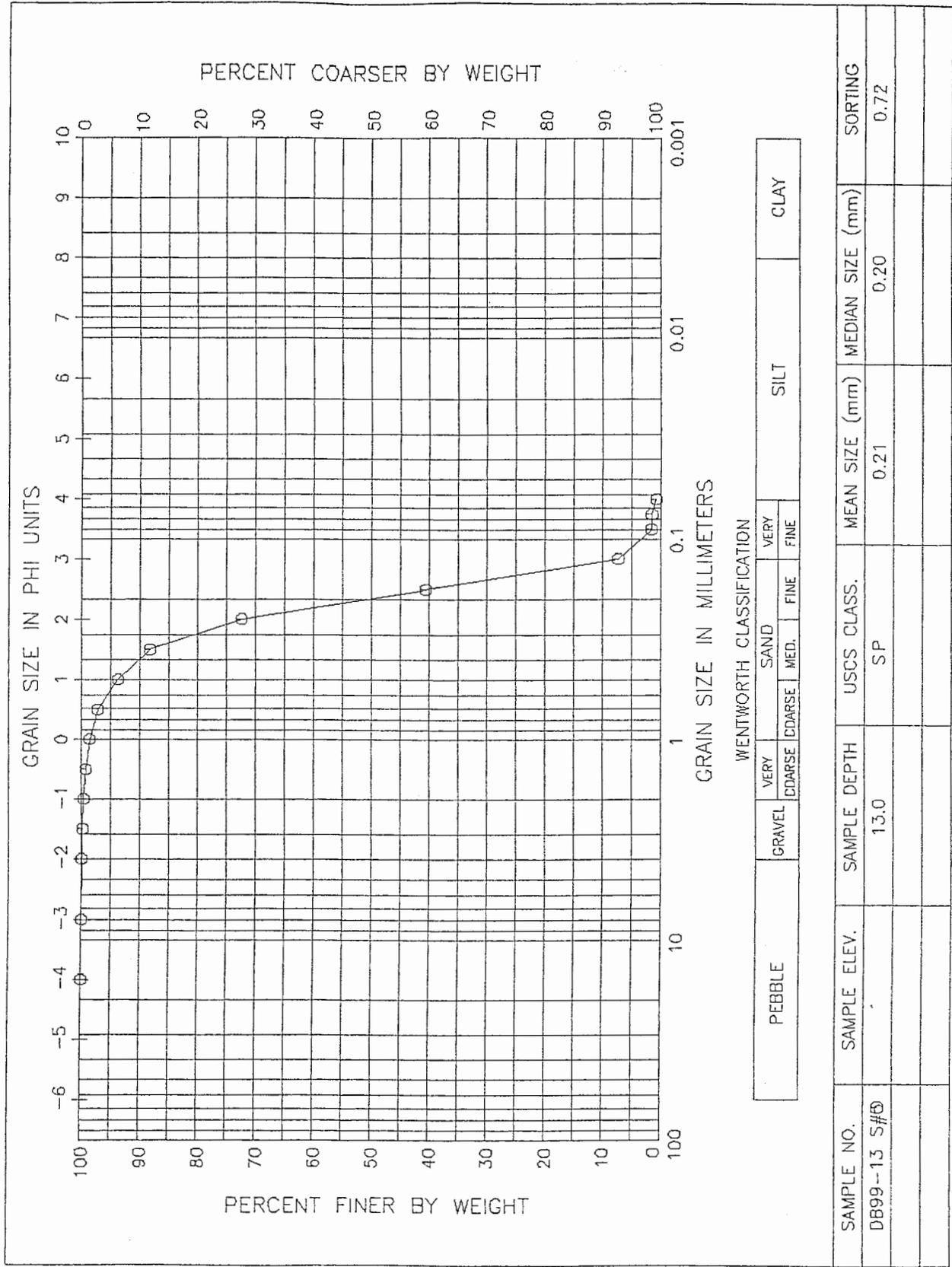
GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



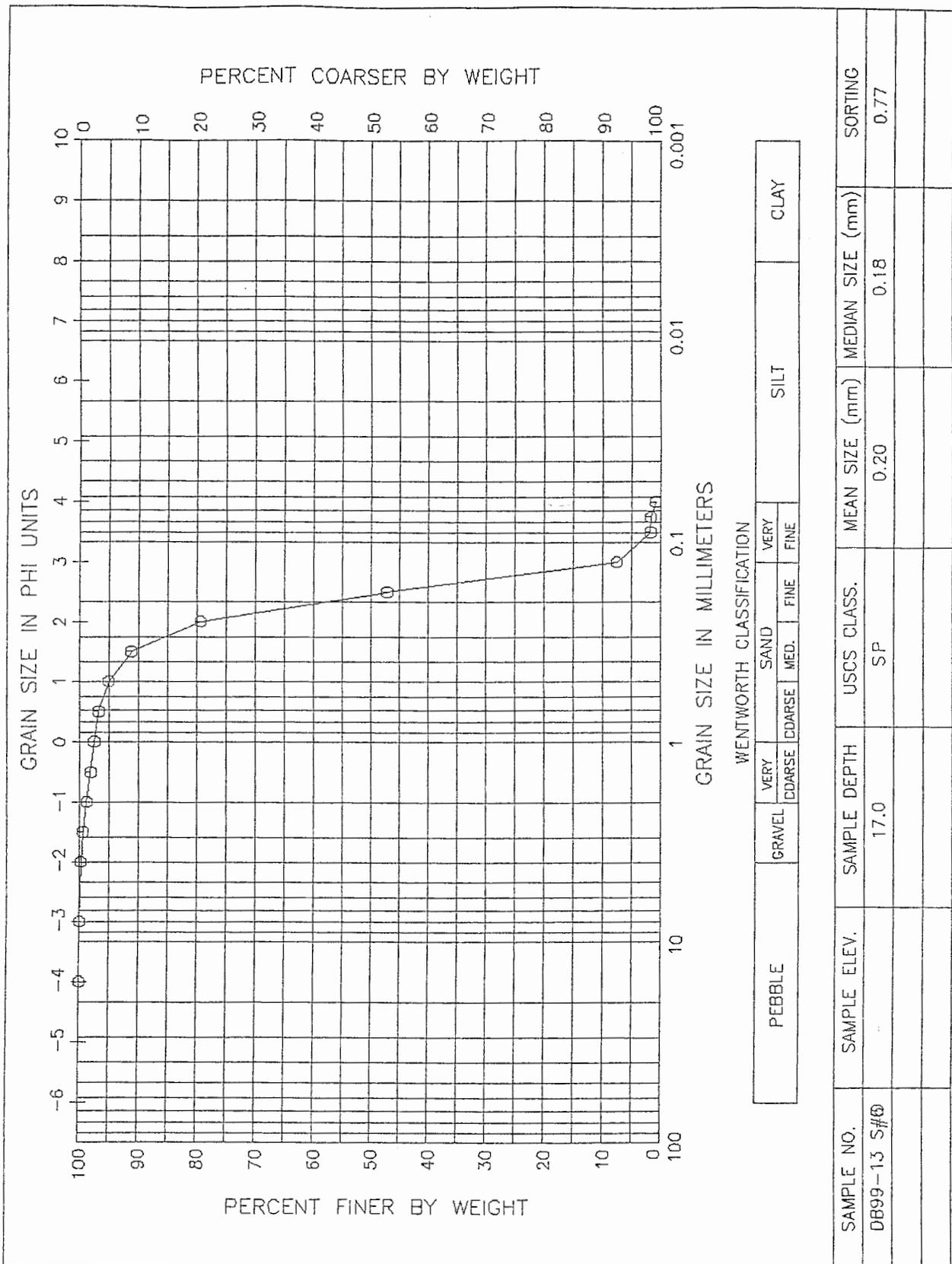
GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



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