

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

SAMPLE NO.: DB99-27#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 102.53
SAMPLE WEIGHT AFTER WASH (GRAMS): 100.76

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	0.19	0.19	99.81
10	-1.00	2.000	0.41	0.40	99.60
14	-0.50	1.400	0.69	0.67	99.33
18	0.00	1.000	0.99	0.97	99.03
25	0.50	0.710	1.48	1.44	98.56
35	1.00	0.500	2.28	2.22	97.78
45	1.50	0.355	3.48	3.39	96.61
60	2.00	0.250	8.78	8.56	91.44
80	2.50	0.180	30.71	29.95	70.05
120	3.00	0.125	80.58	78.59	21.41
170	3.50	0.090	100.36	97.88	2.12
200	3.75	0.075	100.62	98.14	1.86
230	4.00	0.063	101.57	99.07	0.93
PAN			102.52	99.99	0.01

PHI(5): 1.66 PHI(16): 2.17 PHI(25): 2.38
PHI(50): 2.71 PHI(75): 2.96 PHI(84): 3.14
PHI(95): 3.43

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.86%
SKEWNESS: -0.343 KURTOSIS: 1.253

GRAPHIC METHOD

MEAN (PHI): 2.62 SORTING: 0.48
MEAN (mm) : 0.16 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.62 SORTING: 0.61
MEAN (mm) : 0.16

DATA FILE NAME: DB99-27#1.TAB

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

SAMPLE NO.: DB99-27#2
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 9.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.55
 SAMPLE WEIGHT AFTER WASH (GRAMS): 90.06

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	0.44	0.48	99.52
5	-2.00	4.000	0.83	0.90	99.10
7	-1.50	2.800	1.06	1.15	98.85
10	-1.00	2.000	1.24	1.34	98.66
14	-0.50	1.400	1.44	1.56	98.44
18	0.00	1.000	1.71	1.85	98.15
25	0.50	0.710	2.16	2.33	97.67
35	1.00	0.500	2.81	3.04	96.96
45	1.50	0.355	3.89	4.20	95.80
60	2.00	0.250	8.08	8.73	91.27
80	2.50	0.180	26.05	28.15	71.85
120	3.00	0.125	69.83	75.45	24.55
170	3.50	0.090	89.58	96.79	3.21
200	3.75	0.075	89.89	97.13	2.87
230	4.00	0.063	91.25	98.59	1.41
PAN			92.55	100.00	0.00

PHI(5): 1.59 PHI(16): 2.19 PHI(25): 2.42
 PHI(50): 2.73 PHI(75): 3.00 PHI(84): 3.20
 PHI(95): 3.46

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.87%
 SKEWNESS: -0.411 KURTOSIS: 1.330

GRAPHIC METHOD
 MEAN (PHI): 2.63 SORTING: 0.51
 MEAN (mm) : 0.16 MEDIAN (mm): 0.15
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.60 SORTING: 0.82
 MEAN (mm) : 0.16

DATA FILE NAME: DB99-27#2.TAB

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

SAMPLE NO.: DB99-27#3
 SAMPLE ELEV. (FT. NGVD):
 SAMPLE DEPTH (FT.): 15.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 101.22
 SAMPLE WEIGHT AFTER WASH (GRAMS): 98.51

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	0.10	99.90
7	-1.50	2.800	0.15	0.15	99.85
10	-1.00	2.000	0.39	0.39	99.61
14	-0.50	1.400	0.83	0.82	99.18
18	0.00	1.000	0.88	0.87	99.13
25	0.50	0.710	2.28	2.25	97.75
35	1.00	0.500	3.86	3.81	96.19
45	1.50	0.355	6.41	6.33	93.67
60	2.00	0.250	14.15	13.98	86.02
80	2.50	0.180	34.12	33.71	66.29
120	3.00	0.125	76.85	75.92	24.08
170	3.50	0.090	97.44	96.27	3.73
200	3.75	0.075	97.96	96.78	3.22
230	4.00	0.063	99.59	98.38	1.62
PAN			101.20	99.98	0.02

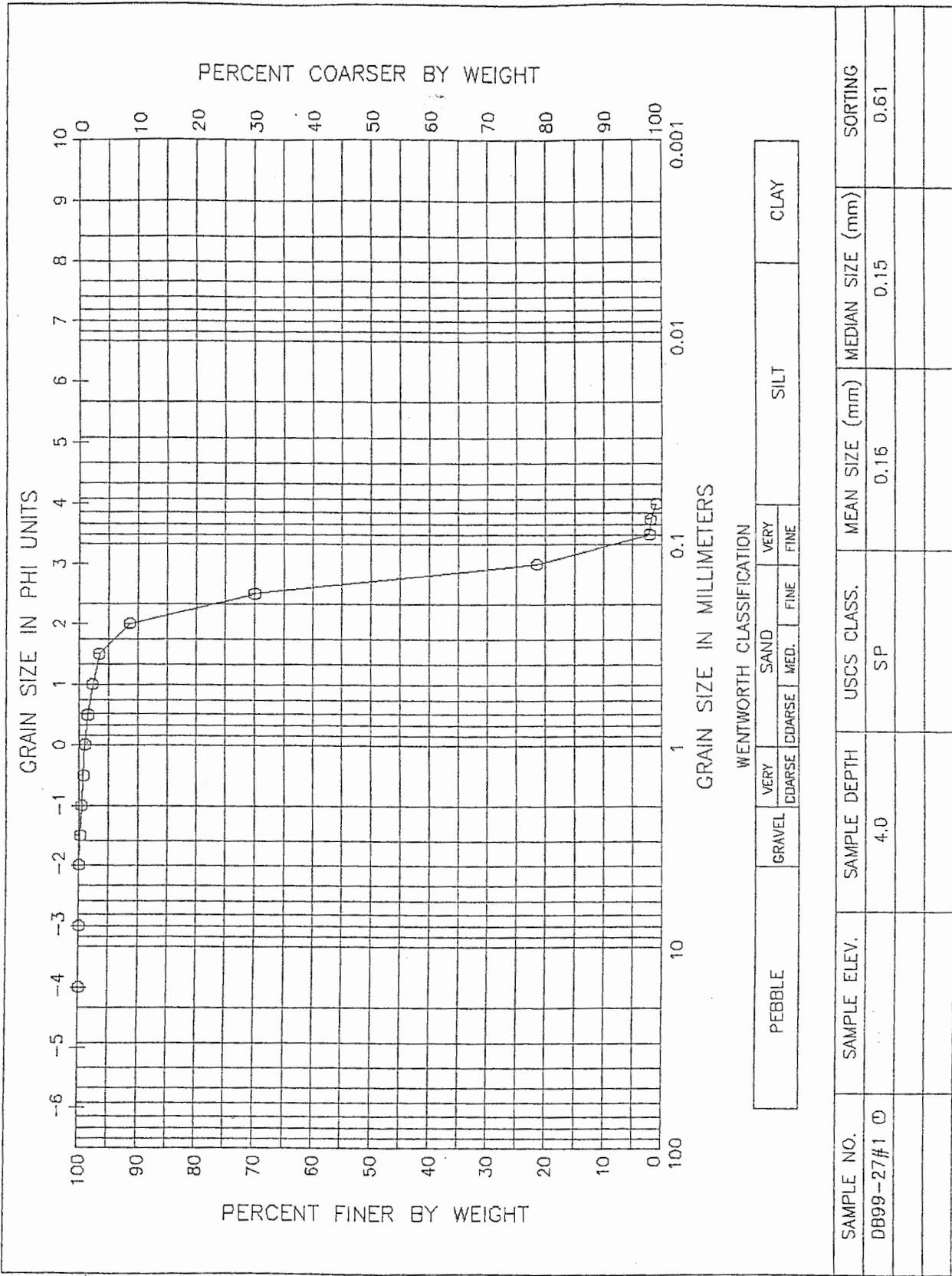
PHI(5): 1.24 PHI(16): 2.05 PHI(25): 2.28
 PHI(50): 2.69 PHI(75): 2.99 PHI(84): 3.20
 PHI(95): 3.47

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.22%
 SKEWNESS: -0.594 KURTOSIS: 1.290

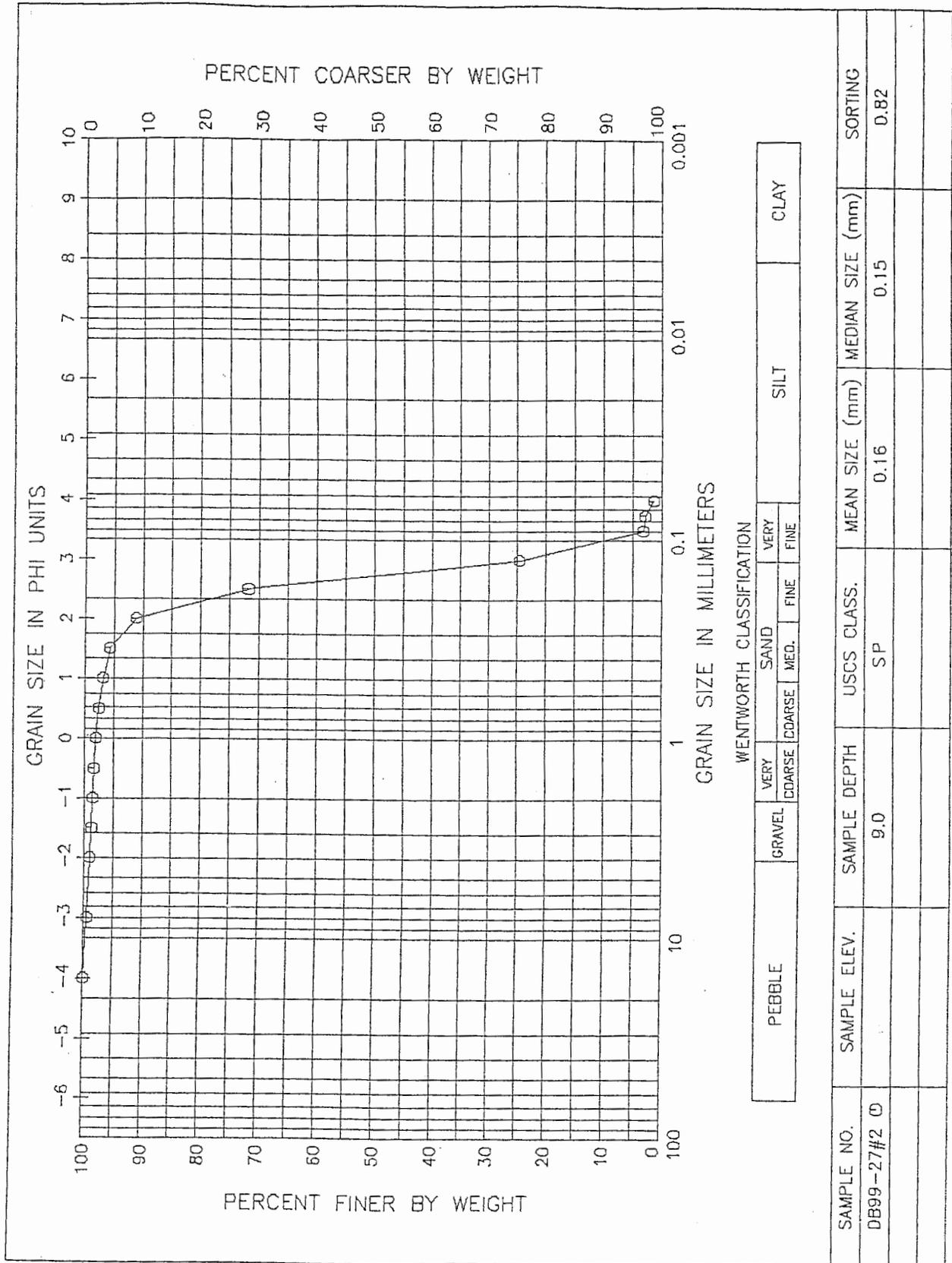
GRAPHIC METHOD
 MEAN (PHI): 2.53 SORTING: 0.57
 MEAN (mm) : 0.17 MEDIAN (mm): 0.15
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.56 SORTING: 0.72
 MEAN (mm) : 0.17

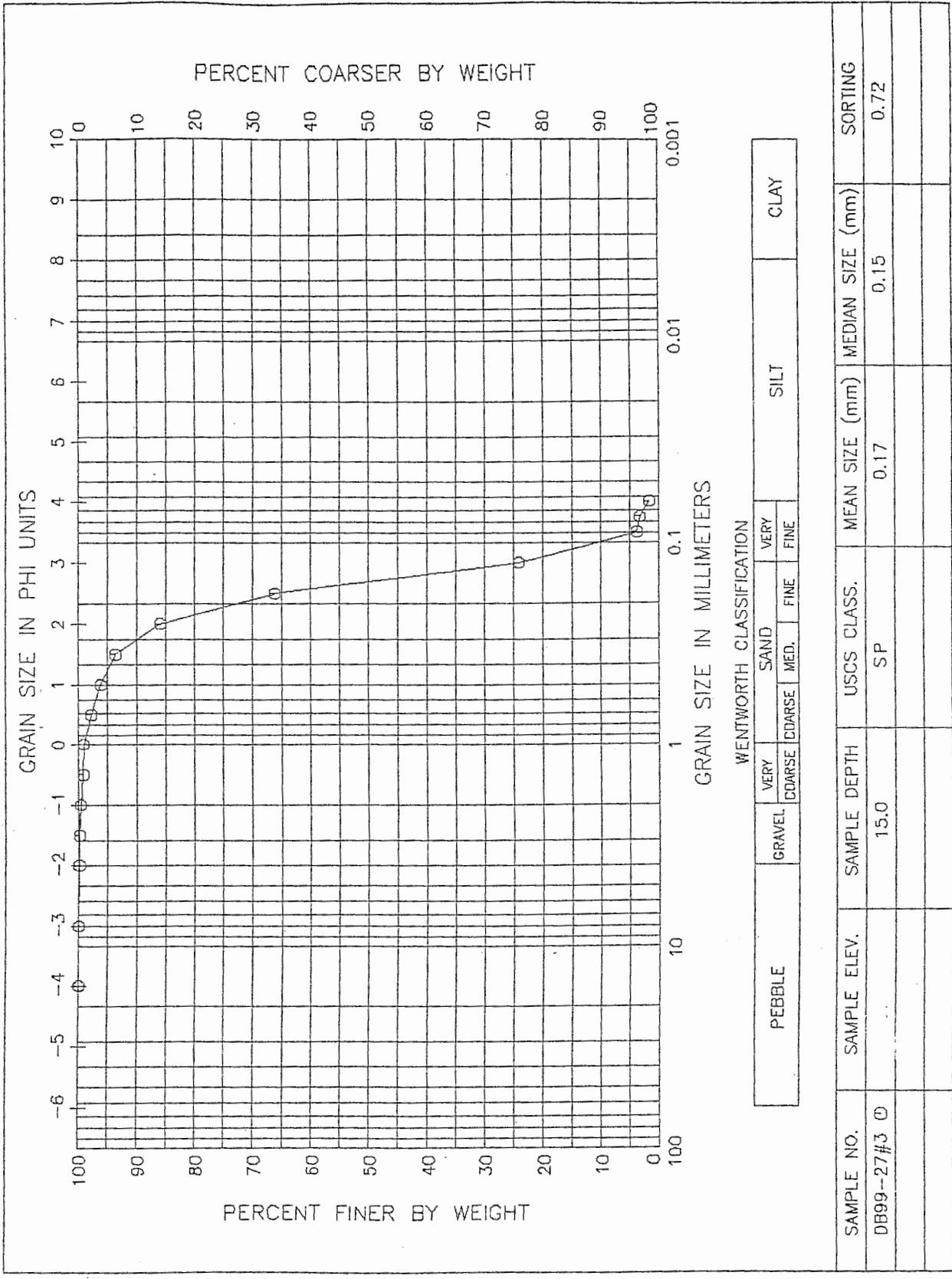
DATA FILE NAME: DB99-27#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND		SILT		CLAY
		VERY COARSE	MED. FINE	VERY FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99--27#3 0		15.0	SP	0.17	0.15	0.72