

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

SAMPLE NO.: DB99-26#1  
SAMPLE ELEV. (FT. NGVD):  
SAMPLE DEPTH (FT.): 1.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 112.23  
SAMPLE WEIGHT AFTER WASH (GRAMS): 110.78

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	0.08	0.07	99.93
7	-1.50	2.800	0.17	0.15	99.85
10	-1.00	2.000	0.34	0.30	99.70
14	-0.50	1.400	0.85	0.76	99.24
18	0.00	1.000	1.70	1.51	98.49
25	0.50	0.710	3.98	3.55	96.45
35	1.00	0.500	9.45	8.42	91.58
45	1.50	0.355	18.44	16.43	83.57
60	2.00	0.250	42.29	37.68	62.32
80	2.50	0.180	76.87	68.49	31.51
120	3.00	0.125	104.23	92.87	7.13
170	3.50	0.090	110.68	98.62	1.38
200	3.75	0.075	110.72	98.65	1.35
230	4.00	0.063	111.46	99.31	0.69
PAN			112.20	99.97	0.03

PHI(5): 0.65            PHI(16): 1.47            PHI(25): 1.70  
PHI(50): 2.20           PHI(75): 2.63            PHI(84): 2.82  
PHI(95): 3.19

SIEVE LOSS(g): 0.03                            SILT/CLAY: 1.35%  
SKEWNESS: -0.420                                KURTOSIS: 1.115

GRAPHIC METHOD

MEAN (PHI): 2.07                                SORTING: 0.67  
MEAN (mm) : 0.24                                MEDIAN (mm): 0.22  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.09                                SORTING: 0.76  
MEAN (mm) : 0.23

DATA FILE NAME: DB99-26#1.TAB

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

SAMPLE NO.: DB99-26#2  
 SAMPLE ELEV. (FT. NGVD):  
 SAMPLE DEPTH (FT.): 7.0  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.70  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 98.28

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	0.12	0.12	99.88
7	-1.50	2.800	0.18	0.18	99.82
10	-1.00	2.000	0.37	0.37	99.63
14	-0.50	1.400	0.59	0.59	99.41
18	0.00	1.000	0.99	0.99	99.01
25	0.50	0.710	1.49	1.49	98.51
35	1.00	0.500	3.77	3.78	96.22
45	1.50	0.355	10.67	10.70	89.30
60	2.00	0.250	29.71	29.80	70.20
80	2.50	0.180	63.07	63.26	36.74
120	3.00	0.125	92.94	93.22	6.78
170	3.50	0.090	98.07	98.37	1.63
200	3.75	0.075	98.20	98.50	1.50
230	4.00	0.063	98.96	99.26	0.74
PAN			99.68	99.98	0.02

PHI(5): 1.09                      PHI(16): 1.64                      PHI(25): 1.87  
 PHI(50): 2.30                      PHI(75): 2.70                      PHI(84): 2.85  
 PHI(95): 3.17

SIEVE LOSS(g): 0.02                      SILT/CLAY: 1.50%  
 SKEWNESS: -0.284                      KURTOSIS: 1.040

GRAPHIC METHOD

MEAN (PHI): 2.21                      SORTING: 0.60  
 MEAN (mm) : 0.22                      MEDIAN (mm): 0.20  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.22                      SORTING: 0.67  
 MEAN (mm) : 0.21

DATA FILE NAME: DB99-26#2.TAB

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

SAMPLE NO.: DB99-26#3  
SAMPLE ELEV. (FT. NGVD):  
SAMPLE DEPTH (FT.): 10.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 97.38  
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.45

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	0.21	0.22	99.78
10	-1.00	2.000	0.97	1.00	99.00
14	-0.50	1.400	2.39	2.45	97.55
18	0.00	1.000	4.49	4.61	95.39
25	0.50	0.710	8.86	9.10	90.90
35	1.00	0.500	20.88	21.44	78.56
45	1.50	0.355	41.36	42.47	57.53
60	2.00	0.250	64.64	66.38	33.62
80	2.50	0.180	83.78	86.03	13.97
120	3.00	0.125	94.53	97.07	2.93
170	3.50	0.090	96.36	98.95	1.05
200	3.75	0.075	96.43	99.02	0.98
230	4.00	0.063	96.91	99.52	0.48
PAN			97.38	100.00	0.00

PHI(5): 0.04                      PHI(16): 0.78                      PHI(25): 1.08  
PHI(50): 1.66                      PHI(75): 2.22                      PHI(84): 2.45  
PHI(95): 2.91

SIEVE LOSS(g): 0.00                      SILT/CLAY: 0.98%  
SKEWNESS: -0.219                      KURTOSIS: 1.034

GRAPHIC METHOD

MEAN (PHI): 1.57                      SORTING: 0.83  
MEAN (mm) : 0.34                      MEDIAN (mm): 0.32  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.59                      SORTING: 0.87  
MEAN (mm) : 0.33

DATA FILE NAME: DB99-26#3.TAB

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

SAMPLE NO.: DB99-26#4  
SAMPLE ELEV. (FT. NGVD): -  
SAMPLE DEPTH (FT.): 14.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 93.77  
SAMPLE WEIGHT AFTER WASH (GRAMS): 91.67

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	0.09	0.10	99.90
10	-1.00	2.000	0.26	0.28	99.72
14	-0.50	1.400	0.43	0.46	99.54
18	0.00	1.000	0.68	0.73	99.27
25	0.50	0.710	1.23	1.31	98.69
35	1.00	0.500	2.67	2.85	97.15
45	1.50	0.355	6.34	6.76	93.24
60	2.00	0.250	21.53	22.96	77.04
80	2.50	0.180	55.81	59.52	40.48
120	3.00	0.125	86.00	91.71	8.29
170	3.50	0.090	91.52	97.60	2.40
200	3.75	0.075	91.63	97.72	2.28
230	4.00	0.063	92.71	98.87	1.13
PAN			93.77	100.00	0.00

PHI(5): 1.27                      PHI(16): 1.79                      PHI(25): 2.03  
PHI(50): 2.37                      PHI(75): 2.74                      PHI(84): 2.88  
PHI(95): 3.28

SIEVE LOSS(g): 0.00                      SILT/CLAY: 2.28%  
SKEWNESS: -0.169                      KURTOSIS: 1.153

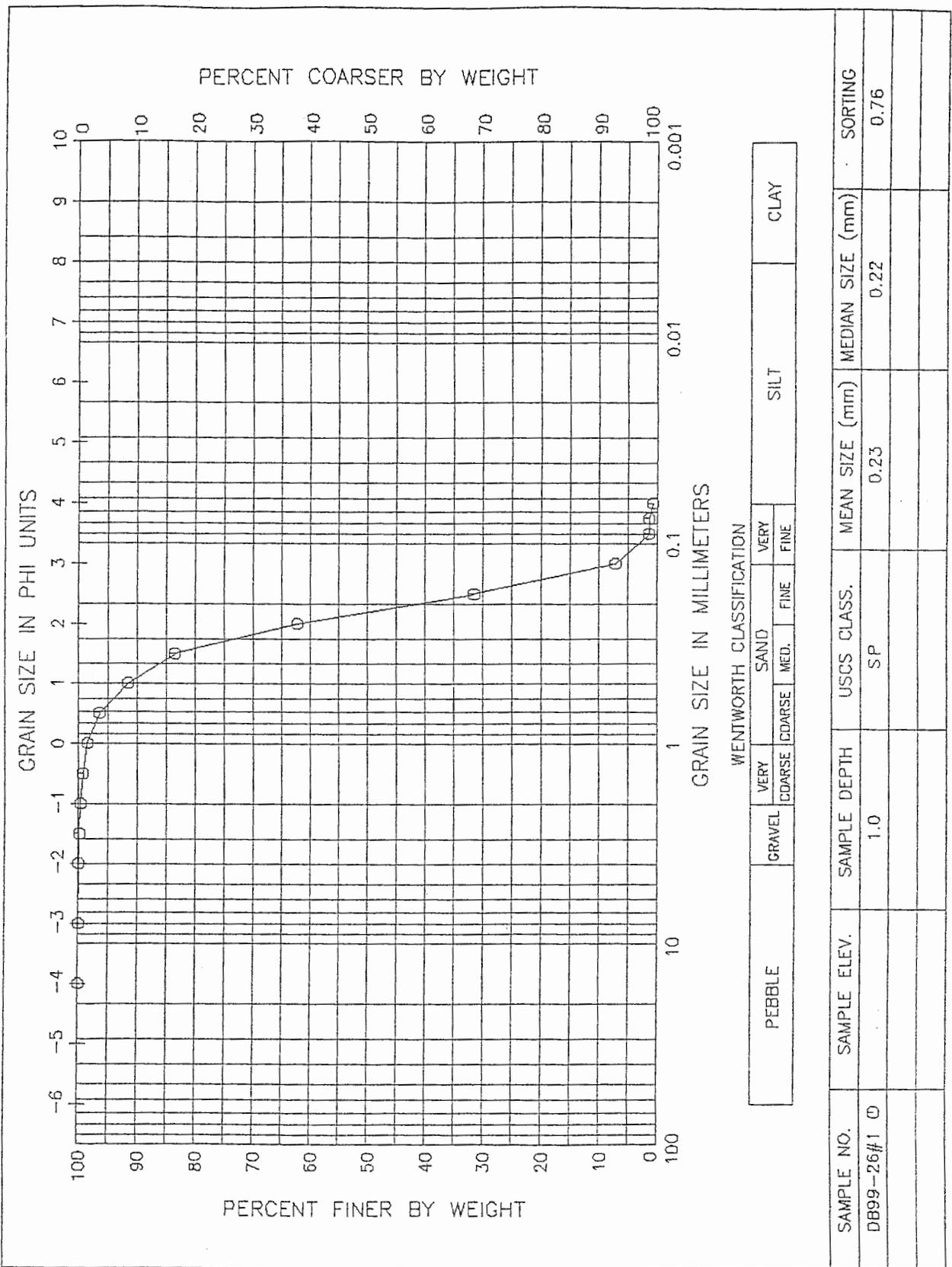
GRAPHIC METHOD

MEAN (PHI): 2.32                      SORTING: 0.55  
MEAN (mm) : 0.20                      MEDIAN (mm): 0.19  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

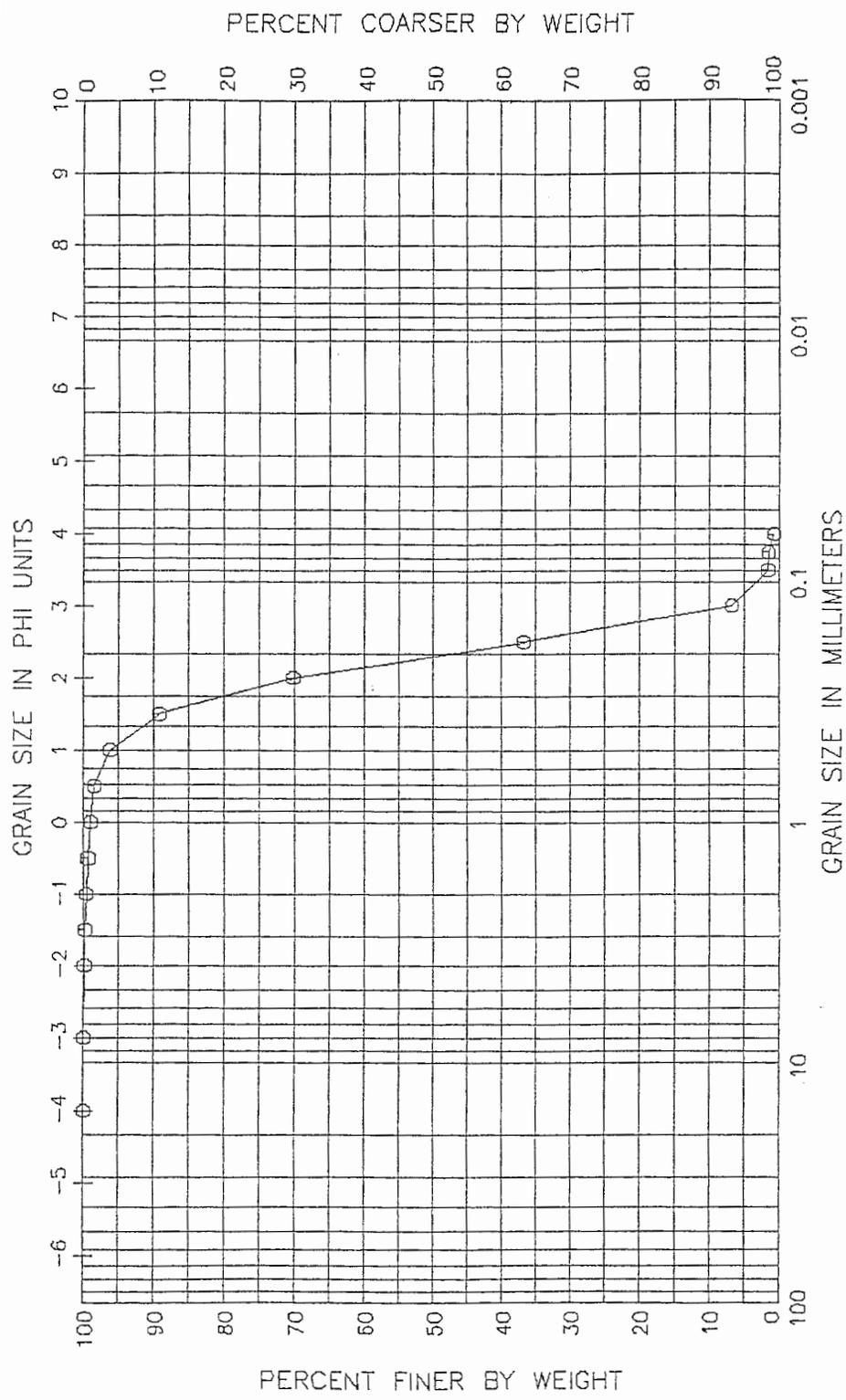
MOMENT METHOD

MEAN (PHI): 2.31                      SORTING: 0.62  
MEAN (mm) : 0.20

DATA FILE NAME: DB99-26#4.TAB

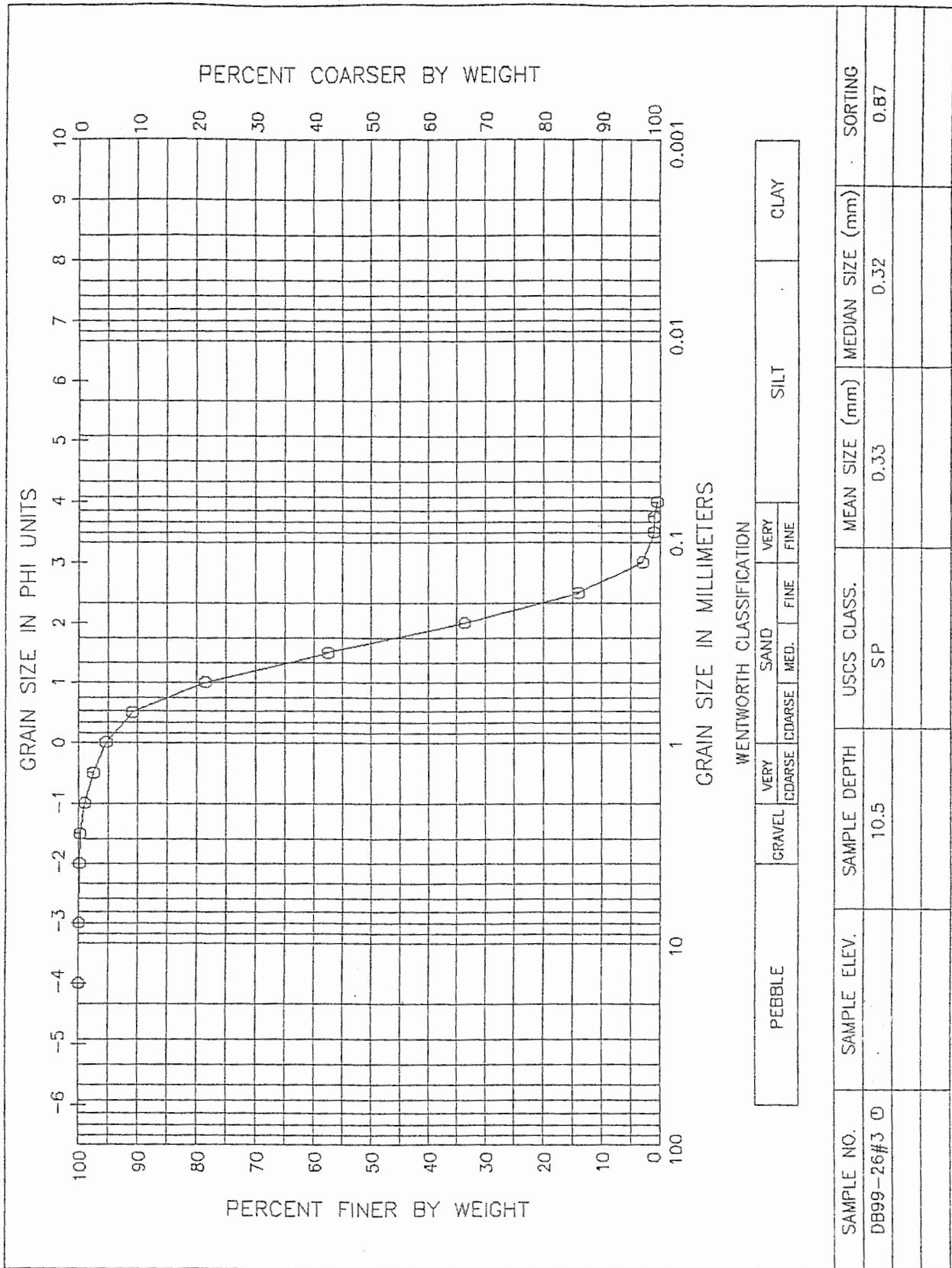


GRAIN SIZE DISTRIBUTION CURVE  
 DELRAY BEACH VIBRACORES 1999

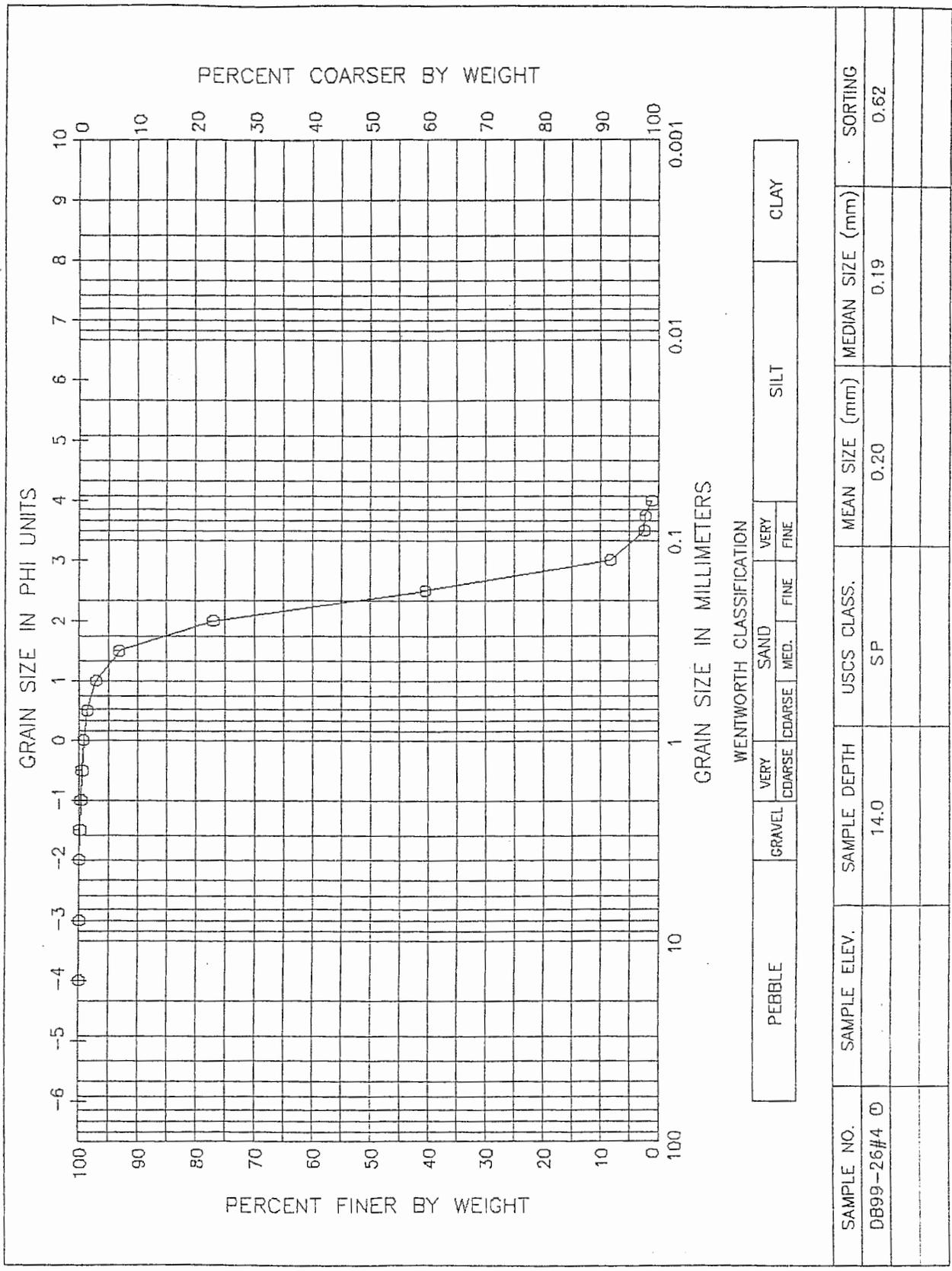


SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99-26#2		7.0	SP	0.21	0.20	0.67

GRAIN SIZE DISTRIBUTION CURVE  
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