

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

SAMPLE NO.: DB99-17 S#1  
SAMPLE ELEV. (FT. NGVD):  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 155.88  
SAMPLE WEIGHT AFTER WASH (GRAMS): 153.85

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	0.04	0.03	99.97
10	-1.00	2.000	0.14	0.09	99.91
14	-0.50	1.400	0.27	0.17	99.83
18	0.00	1.000	0.37	0.24	99.76
25	0.50	0.710	0.65	0.42	99.58
35	1.00	0.500	1.35	0.87	99.13
45	1.50	0.355	3.28	2.10	97.90
60	2.00	0.250	12.26	7.87	92.13
80	2.50	0.180	44.67	28.66	71.34
120	3.00	0.125	135.62	87.00	13.00
170	3.50	0.090	153.55	98.51	1.49
200	3.75	0.075	153.75	98.63	1.37
230	4.00	0.063	154.82	99.32	0.68
PAN			155.88	100.00	0.00

PHI (5): 1.75            PHI (16): 2.20            PHI (25): 2.41  
PHI (50): 2.68           PHI (75): 2.90            PHI (84): 2.97  
PHI (95): 3.35

SIEVE LOSS (g): 0.00                            SILT/CLAY: 1.37%  
SKEWNESS: -0.343                                KURTOSIS: 1.349

GRAPHIC METHOD

MEAN (PHI): 2.59                                SORTING: 0.39  
MEAN (mm): 0.17                                MEDIAN (mm): 0.16  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.61                                SORTING: 0.47  
MEAN (mm): 0.16

DATA FILE NAME: DB99-17#1.TAB

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

SAMPLE NO.: DB99-17 S#2  
SAMPLE ELEV. (FT. NGVD):  
SAMPLE DEPTH (FT.): 7.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 191.99  
SAMPLE WEIGHT AFTER WASH (GRAMS): 189.03

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	1.47	0.77	99.23
5	-2.00	4.000	1.72	0.90	99.10
7	-1.50	2.800	2.17	1.13	98.87
10	-1.00	2.000	2.86	1.49	98.51
14	-0.50	1.400	3.49	1.82	98.18
18	0.00	1.000	3.94	2.05	97.95
25	0.50	0.710	4.74	2.47	97.53
35	1.00	0.500	6.69	3.48	96.52
45	1.50	0.355	10.22	5.32	94.68
60	2.00	0.250	22.62	11.78	88.22
80	2.50	0.180	68.47	35.66	64.34
120	3.00	0.125	160.18	83.43	16.57
170	3.50	0.090	188.25	98.05	1.95
200	3.75	0.075	188.66	98.27	1.73
230	4.00	0.063	190.25	99.09	0.91
PAN			191.99	100.00	0.00

PHI (5): 1.41                      PHI (16): 2.09                      PHI (25): 2.28  
PHI (50): 2.65                      PHI (75): 2.91                      PHI (84): 3.02  
PHI (95): 3.40

SIEVE LOSS (g): 0.00                      SILT/CLAY: 1.73%  
SKEWNESS: -0.529                      KURTOSIS: 1.280

GRAPHIC METHOD  
MEAN (PHI): 2.51                      SORTING: 0.47  
MEAN (mm) : 0.18                      MEDIAN (mm): 0.16  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD  
MEAN (PHI): 2.49                      SORTING: 0.85  
MEAN (mm) : 0.18

DATA FILE NAME: DB99-17#2.TAB

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

SAMPLE NO.: DB99-17 S#3  
 SAMPLE ELEV. (FT. NGVD):  
 SAMPLE DEPTH (FT.): 11.0  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 164.69  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 162.32

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	1.55	0.94	99.06
5	-2.00	4.000	1.59	0.97	99.03
7	-1.50	2.800	1.62	0.98	99.02
10	-1.00	2.000	1.71	1.04	98.96
14	-0.50	1.400	1.90	1.15	98.85
18	0.00	1.000	2.08	1.26	98.74
25	0.50	0.710	2.34	1.42	98.58
35	1.00	0.500	3.08	1.87	98.13
45	1.50	0.355	5.08	3.08	96.92
60	2.00	0.250	12.70	7.71	92.29
80	2.50	0.180	33.88	20.57	79.43
120	3.00	0.125	136.28	82.75	17.25
170	3.50	0.090	161.72	98.20	1.80
200	3.75	0.075	162.15	98.46	1.54
230	4.00	0.063	163.43	99.24	0.76
PAN			164.69	100.00	0.00

PHI(5): 1.71            PHI(16): 2.32            PHI(25): 2.54  
 PHI(50): 2.74        PHI(75): 2.94            PHI(84): 3.04  
 PHI(95): 3.40

SIEVE LOSS(g): 0.00            SILT/CLAY: 1.54%  
 SKEWNESS: -0.515            KURTOSIS: 1.722

GRAPHIC METHOD  
 MEAN (PHI): 2.64            SORTING: 0.36  
 MEAN (mm) : 0.16            MEDIAN (mm): 0.15  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD  
 MEAN (PHI): 2.63            SORTING: 0.76  
 MEAN (mm) : 0.16

DATA FILE NAME: DB99-17#3.TAB

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

SAMPLE NO.: DB99-17 S#4  
SAMPLE ELEV. (FT. NGVD):  
SAMPLE DEPTH (FT.): 16.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 185.27  
SAMPLE WEIGHT AFTER WASH (GRAMS): 182.29

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	0.15	0.08	99.92
7	-1.50	2.800	0.31	0.17	99.83
10	-1.00	2.000	0.83	0.45	99.55
14	-0.50	1.400	1.50	0.81	99.19
18	0.00	1.000	2.07	1.12	98.88
25	0.50	0.710	3.07	1.66	98.34
35	1.00	0.500	6.05	3.27	96.73
45	1.50	0.355	12.13	6.55	93.45
60	2.00	0.250	32.42	17.50	82.50
80	2.50	0.180	83.55	45.10	54.90
120	3.00	0.125	161.24	87.03	12.97
170	3.50	0.090	181.61	98.02	1.98
200	3.75	0.075	181.89	98.18	1.82
230	4.00	0.063	183.46	99.02	0.98
PAN			185.26	99.99	0.01

PHI(5): 1.26                      PHI(16): 1.93                      PHI(25): 2.14  
PHI(50): 2.56                      PHI(75): 2.86                      PHI(84): 2.96  
PHI(95): 3.36

SIEVE LOSS(g): 0.01                      SILT/CLAY: 1.82%  
SKEWNESS: -0.475                      KURTOSIS: 1.193

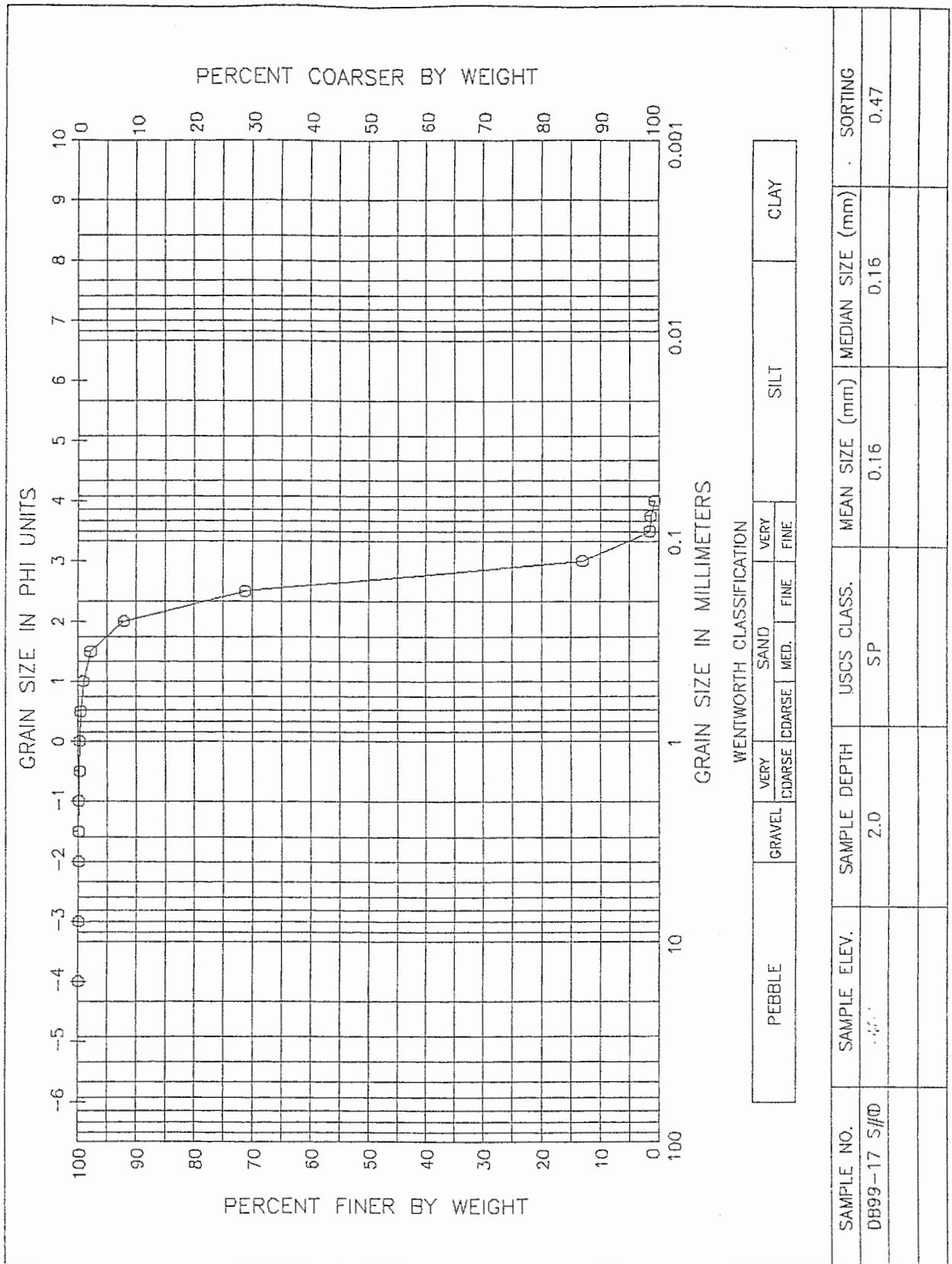
GRAPHIC METHOD

MEAN (PHI): 2.42                      SORTING: 0.52  
MEAN (mm) : 0.19                      MEDIAN (mm): 0.17  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

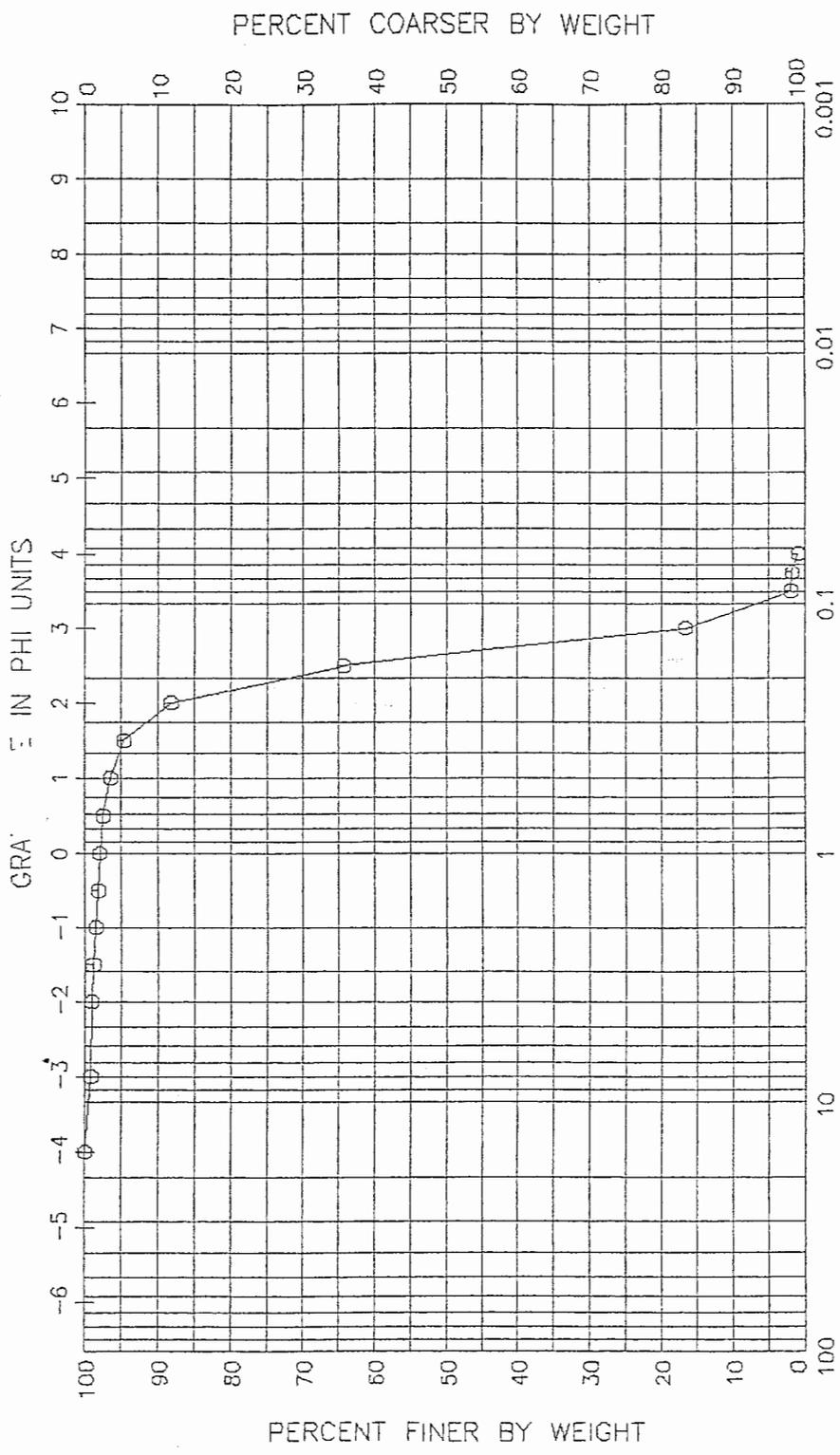
MOMENT METHOD

MEAN (PHI): 2.43                      SORTING: 0.67  
MEAN (mm) : 0.19

DATA FILE NAME: DB99-17#4.TAB



GRAIN SIZE DISTRIBUTION CURVE  
 DELRAY BEACH VIBRACORES 1999

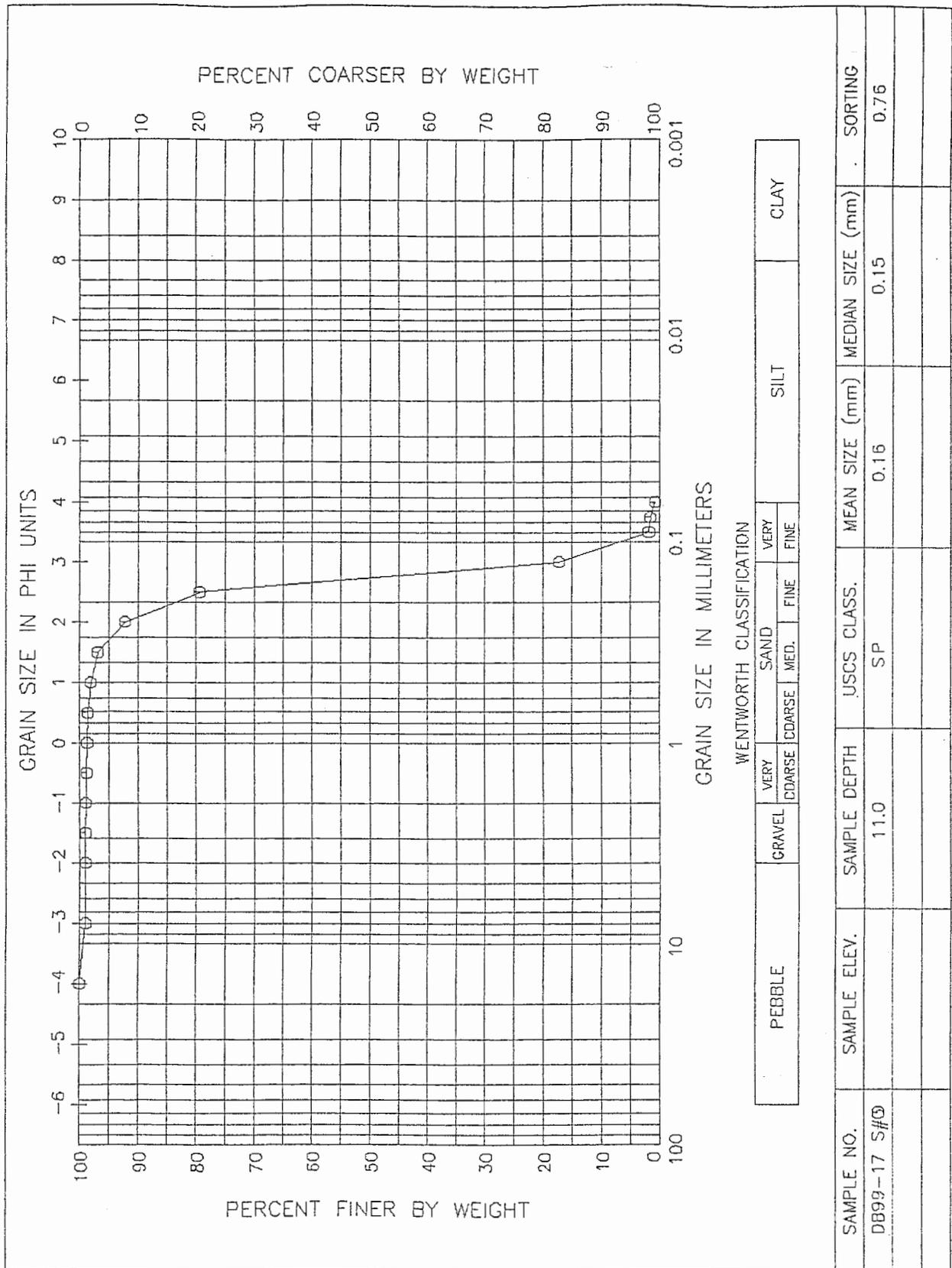


WENTWORTH CLASSIFICATION

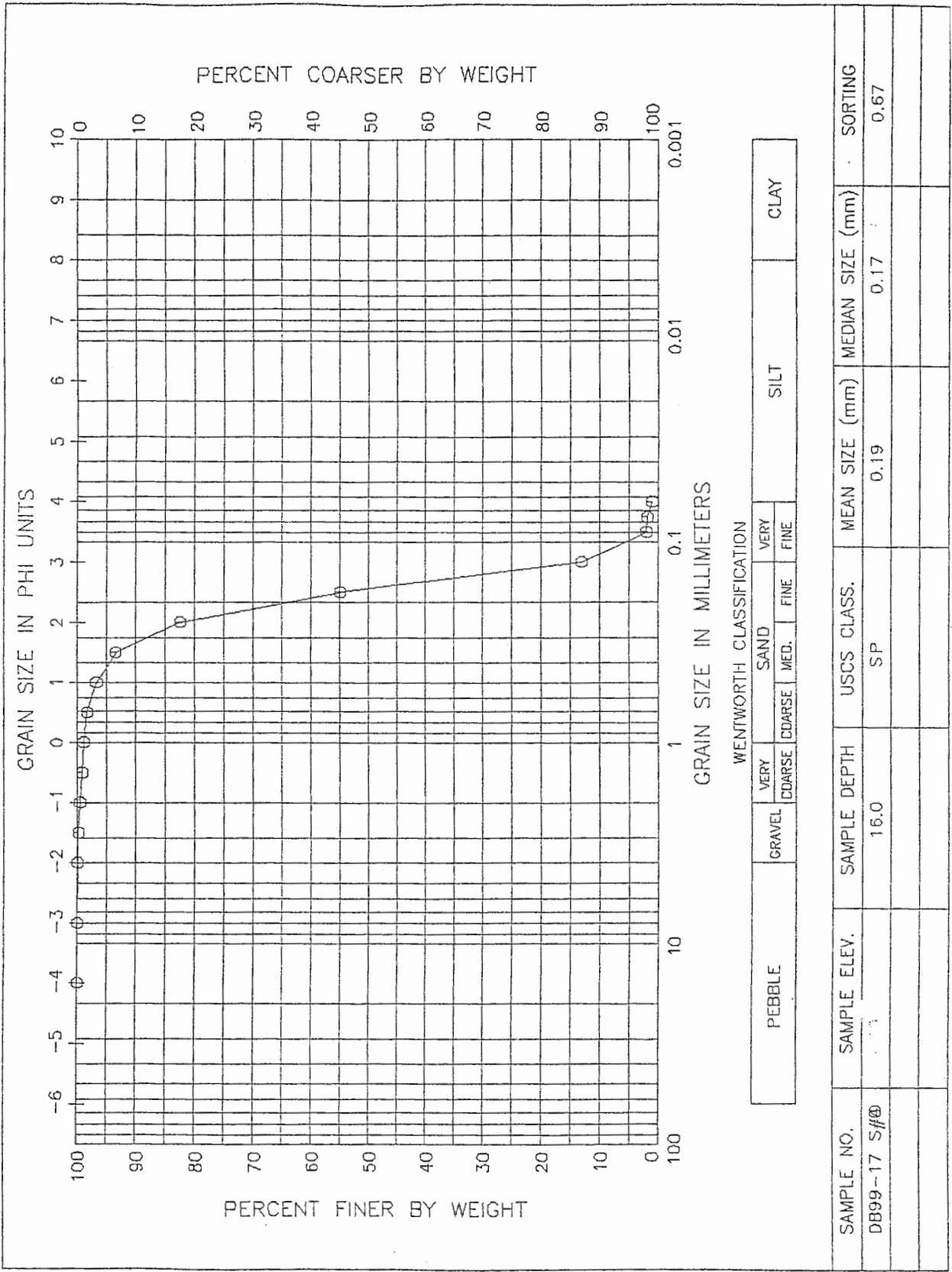
PEBBLE	GRAVEL	SAND		SILT		CLAY
		VERY COARSE	MED. FINE	VERY FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99-17 S#0		7.0	SP	0.18	0.16	0.85

GRAIN SIZE DISTRIBUTION CURVE  
 DELRAY BEACH VIBRACORES 1999



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