

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

SAMPLE NO.: DB99-21#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 106.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 101.18

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	0.08	99.92
7	-1.50	2.800	0.10	0.09	99.91
10	-1.00	2.000	0.22	0.21	99.79
14	-0.50	1.400	0.60	0.56	99.44
18	0.00	1.000	0.75	0.70	99.30
25	0.50	0.710	0.96	0.90	99.10
35	1.00	0.500	1.38	1.29	98.71
45	1.50	0.355	2.30	2.16	97.84
60	2.00	0.250	8.06	7.56	92.44
80	2.50	0.180	34.91	32.74	67.26
120	3.00	0.125	86.19	80.82	19.18
170	3.50	0.090	100.91	94.63	5.37
200	3.75	0.075	101.07	94.78	5.22
230	4.00	0.063	103.86	97.39	2.61
PAN			106.61	99.97	0.03

PHI(5): 1.76 PHI(16): 2.17 PHI(25): 2.35
PHI(50): 2.68 PHI(75): 2.94 PHI(84): 3.12
PHI(95): 3.77

SIEVE LOSS(g): 0.03 SILT/CLAY: 5.22%
SKEWNESS: 0.185 KURTOSIS: 1.388

GRAPHIC METHOD

MEAN (PHI): 2.70 SORTING: 0.47
MEAN (mm): 0.15 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.61 SORTING: 0.57
MEAN (mm): 0.16

DATA FILE NAME: DB99-21#1.TAB

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

SAMPLE NO.: DB99-21 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 7.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 110.83
SAMPLE WEIGHT AFTER WASH (GRAMS): 108.03

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	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.09	0.08	99.92
10	-1.00	2.000	0.42	0.38	99.62
14	-0.50	1.400	0.74	0.67	99.33
18	0.00	1.000	1.06	0.96	99.04
25	0.50	0.710	1.44	1.30	98.70
35	1.00	0.500	2.27	2.05	97.95
45	1.50	0.355	4.35	3.92	96.08
60	2.00	0.250	10.97	9.90	90.10
80	2.50	0.180	37.06	33.44	66.56
120	3.00	0.125	93.58	84.44	15.56
170	3.50	0.090	107.53	97.02	2.98
200	3.75	0.075	107.80	97.27	2.73
230	4.00	0.063	109.30	98.62	1.38
PAN			110.79	99.96	0.04

PHI(5): 1.59 PHI(16): 2.13 PHI(25): 2.32
PHI(50): 2.66 PHI(75): 2.91 PHI(84): 3.00
PHI(95): 3.42

SIEVE LOSS(g): 0.04 SILT/CLAY: 2.73%
SKEWNESS: -0.364 KURTOSIS: 1.278

GRAPHIC METHOD

MEAN (PHI): 2.56 SORTING: 0.43
MEAN (mm): 0.17 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.56 SORTING: 0.60
MEAN (mm): 0.17

DATA FILE NAME: DB99-21#2.TAB

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

SAMPLE NO.: DB99-21#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 107.46
SAMPLE WEIGHT AFTER WASH (GRAMS): 105.02

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	0.03	0.03	99.97
7	-1.50	2.800	0.18	0.17	99.83
10	-1.00	2.000	0.29	0.27	99.73
14	-0.50	1.400	0.90	0.84	99.16
18	0.00	1.000	1.32	1.23	98.77
25	0.50	0.710	2.24	2.08	97.92
35	1.00	0.500	4.83	4.49	95.51
45	1.50	0.355	14.85	13.82	86.18
60	2.00	0.250	45.87	42.69	57.31
80	2.50	0.180	58.58	54.51	45.49
120	3.00	0.125	95.09	88.49	11.51
170	3.50	0.090	104.62	97.36	2.64
200	3.75	0.075	104.89	97.61	2.39
230	4.00	0.063	106.13	98.76	1.24
PAN			107.42	99.96	0.04

PHI(5): 1.03 PHI(16): 1.54 PHI(25): 1.69
PHI(50): 2.31 PHI(75): 2.80 PHI(84): 2.93
PHI(95): 3.37

SIEVE LOSS(g): 0.04 SILT/CLAY: 2.39%
SKEWNESS: -0.161 KURTOSIS: 0.866

GRAPHIC METHOD

MEAN (PHI): 2.24 SORTING: 0.70
MEAN (mm): 0.21 MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.20 SORTING: 0.76
MEAN (mm): 0.22

DATA FILE NAME: DB99-21#3.TAB

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

SAMPLE NO.: DB99-21#4
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 16.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 102.66
SAMPLE WEIGHT AFTER WASH (GRAMS): 100.56

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	0.11	0.11	99.89
7	-1.50	2.800	0.20	0.19	99.81
10	-1.00	2.000	0.34	0.33	99.67
14	-0.50	1.400	0.56	0.55	99.45
18	0.00	1.000	0.89	0.87	99.13
25	0.50	0.710	1.48	1.44	98.56
35	1.00	0.500	2.62	2.55	97.45
45	1.50	0.355	4.89	4.76	95.24
60	2.00	0.250	15.76	15.35	84.65
80	2.50	0.180	45.77	44.58	55.42
120	3.00	0.125	88.95	86.65	13.35
170	3.50	0.090	100.22	97.62	2.38
200	3.75	0.075	100.44	97.84	2.16
230	4.00	0.063	101.57	98.94	1.06
PAN			102.65	99.99	0.01

PHI(5): 1.51 PHI(16): 2.01 PHI(25): 2.17
PHI(50): 2.56 PHI(75): 2.86 PHI(84): 2.97
PHI(95): 3.38

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.16%
SKEWNESS: -0.248 KURTOSIS: 1.100

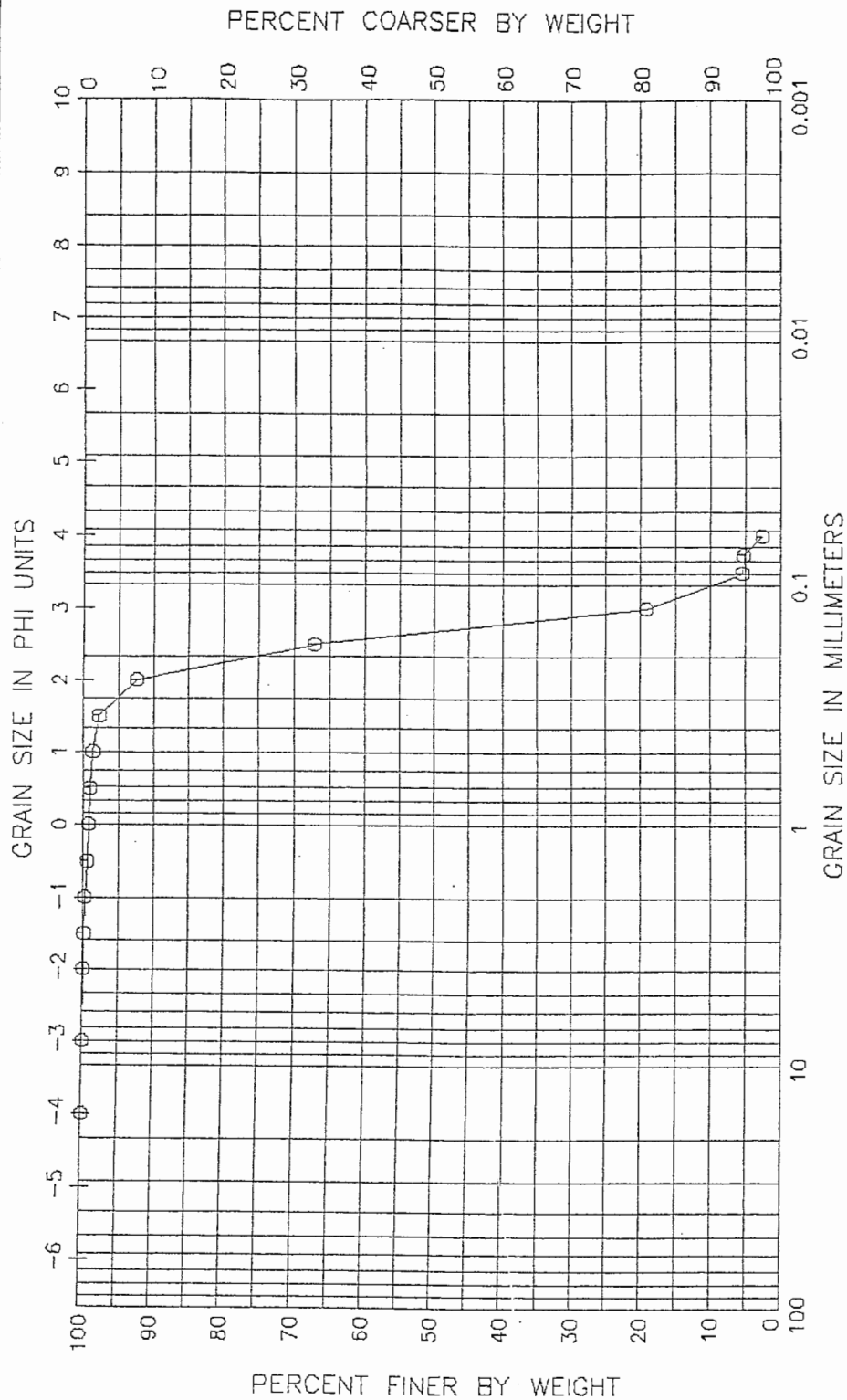
GRAPHIC METHOD

MEAN (PHI): 2.49 SORTING: 0.48
MEAN (mm): 0.18 MEDIAN (mm): 0.17
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

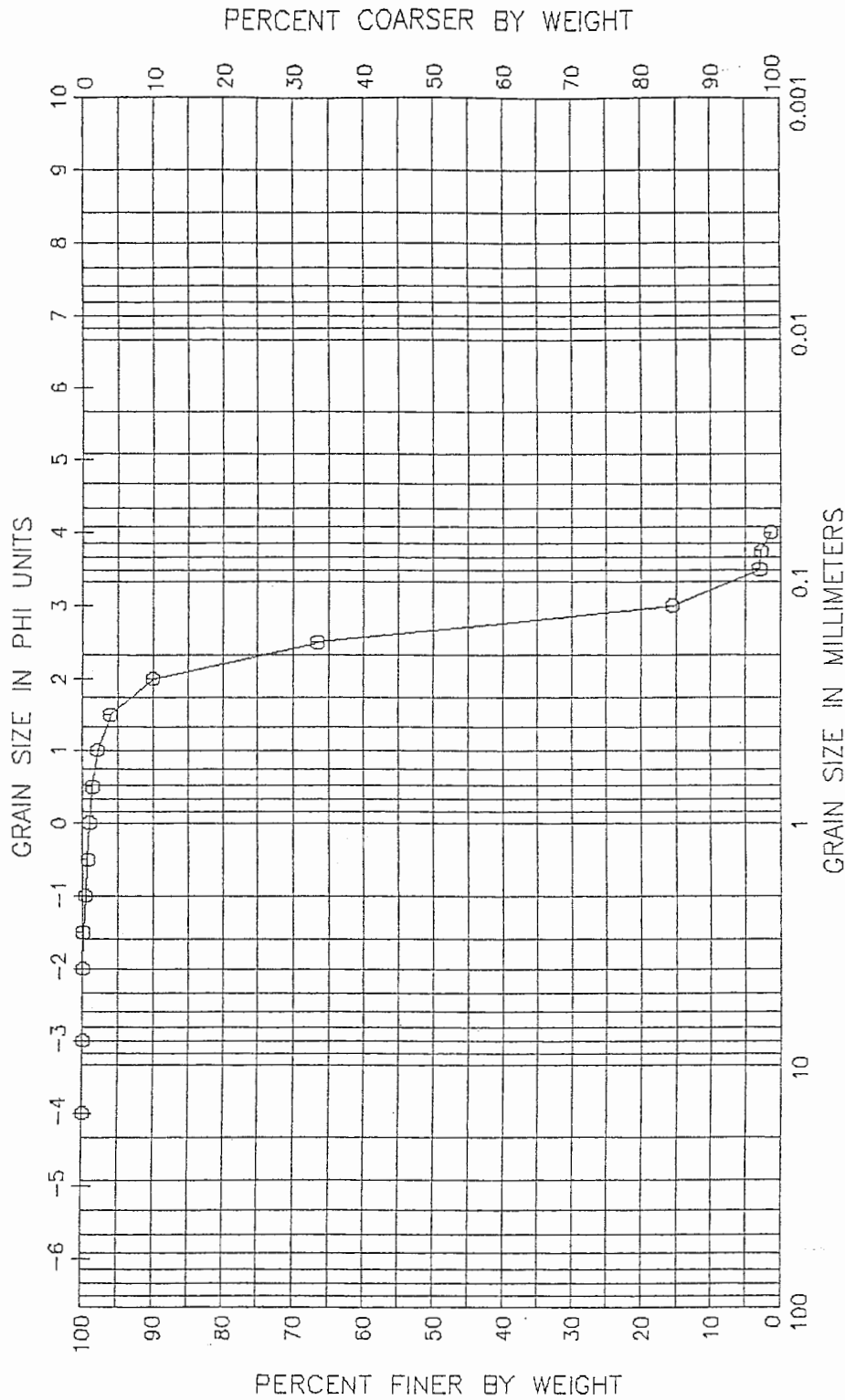
MEAN (PHI): 2.46 SORTING: 0.63
MEAN (mm): 0.18

DATA FILE NAME: DB99-21#4.TAB



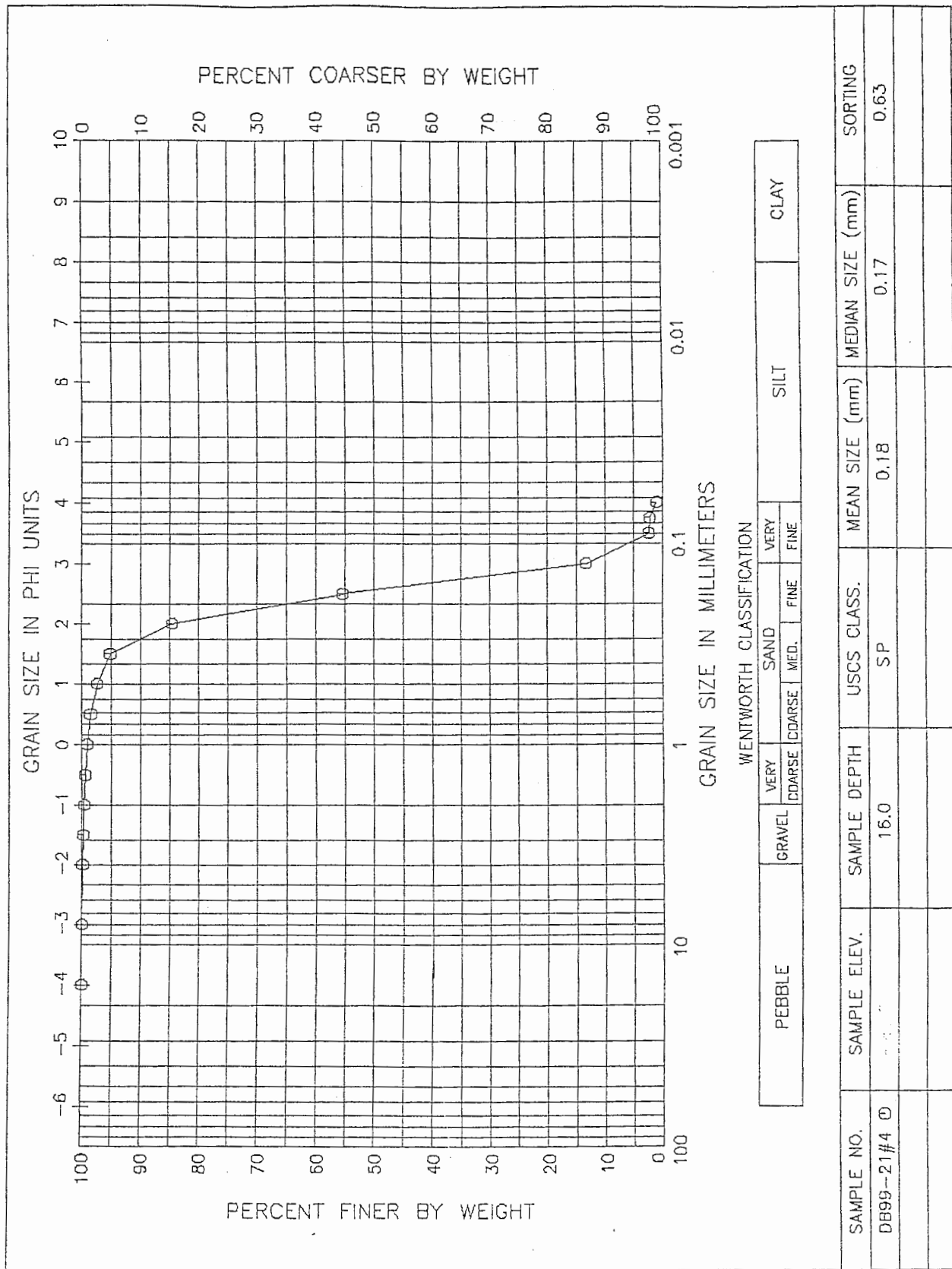
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99-21#1		3.0	SP-SM	0.16	0.16	0.57

GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
DB99-21 S#0		7.0	SP	0.17	0.16	0.60

GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999