

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

SAMPLE NO.: DB99-30#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 96.81
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.19

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	0.01	0.01	99.99
5	-2.00	4.000	0.03	0.03	99.97
7	-1.50	2.800	0.12	0.12	99.88
10	-1.00	2.000	0.35	0.36	99.64
14	-0.50	1.400	0.70	0.72	99.28
18	0.00	1.000	1.18	1.22	98.78
25	0.50	0.710	1.86	1.92	98.08
35	1.00	0.500	3.04	3.14	96.86
45	1.50	0.355	5.02	5.19	94.81
60	2.00	0.250	10.56	10.91	89.09
80	2.50	0.180	31.77	32.82	67.18
120	3.00	0.125	78.67	81.26	18.74
170	3.50	0.090	93.74	96.83	3.17
200	3.75	0.075	94.03	97.13	2.87
230	4.00	0.063	95.45	98.60	1.40
PAN			96.77	99.96	0.04

PHI(5): 1.45 PHI(16): 2.12 PHI(25): 2.32
PHI(50): 2.68 PHI(75): 2.94 PHI(84): 3.09
PHI(95): 3.44

SIEVE LOSS(g): 0.04 SILT/CLAY: 2.87%
SKEWNESS: -0.472 KURTOSIS: 1.327

GRAPHIC METHOD

MEAN (PHI): 2.56 SORTING: 0.49
MEAN (mm): 0.17 MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.56 SORTING: 0.66
MEAN (mm): 0.17

DATA FILE NAME: DB99-30#1.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: DB99-30#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.49
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.74

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	0.20	0.20	99.80
7	-1.50	2.800	0.33	0.34	99.66
10	-1.00	2.000	0.61	0.62	99.38
14	-0.50	1.400	0.99	1.01	98.99
18	0.00	1.000	1.40	1.42	98.58
25	0.50	0.710	2.21	2.24	97.76
35	1.00	0.500	3.62	3.68	96.32
45	1.50	0.355	5.86	5.95	94.05
60	2.00	0.250	13.54	13.75	86.25
80	2.50	0.180	33.30	33.81	66.19
120	3.00	0.125	35.26	35.80	64.20
170	3.50	0.090	75.72	76.88	23.12
200	3.75	0.075	93.91	95.35	4.65
230	4.00	0.063	96.18	97.65	2.35
PAN			98.47	99.98	0.02

PHI(5): 1.29 PHI(16): 2.06 PHI(25): 2.28
PHI(50): 3.17 PHI(75): 3.48 PHI(84): 3.60
PHI(95): 3.75

SIEVE LOSS(g): 0.02 SILT/CLAY: 4.65%
SKEWNESS: -0.850 KURTOSIS: 0.840

GRAPHIC METHOD

MEAN (PHI): 2.77 SORTING: 0.77
MEAN (mm): 0.15 MEDIAN (mm): 0.11
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83 SORTING: 0.89
MEAN (mm): 0.14

DATA FILE NAME: DB99-30#2.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
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SAMPLE NO.: DB99-30#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 102.36
SAMPLE WEIGHT AFTER WASH (GRAMS): 94.07

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	0.13	0.13	99.87
7	-1.50	2.800	0.30	0.29	99.71
10	-1.00	2.000	0.57	0.56	99.44
14	-0.50	1.400	0.97	0.95	99.05
18	0.00	1.000	1.58	1.54	98.46
25	0.50	0.710	2.74	2.68	97.32
35	1.00	0.500	4.88	4.77	95.23
45	1.50	0.355	8.08	7.89	92.11
60	2.00	0.250	17.72	17.31	82.69
80	2.50	0.180	39.04	38.14	61.86
120	3.00	0.125	79.52	77.69	22.31
170	3.50	0.090	93.45	91.30	8.70
200	3.75	0.075	93.86	91.70	8.30
230	4.00	0.063	98.16	95.90	4.10
PAN			102.34	99.98	0.02

PHI(5): 1.04 PHI(16): 1.93 PHI(25): 2.18
PHI(50): 2.65 PHI(75): 2.97 PHI(84): 3.23
PHI(95): 3.95

SIEVE LOSS(g): 0.02 SILT/CLAY: 8.30%
SKEWNESS: -0.243 KURTOSIS: 1.526

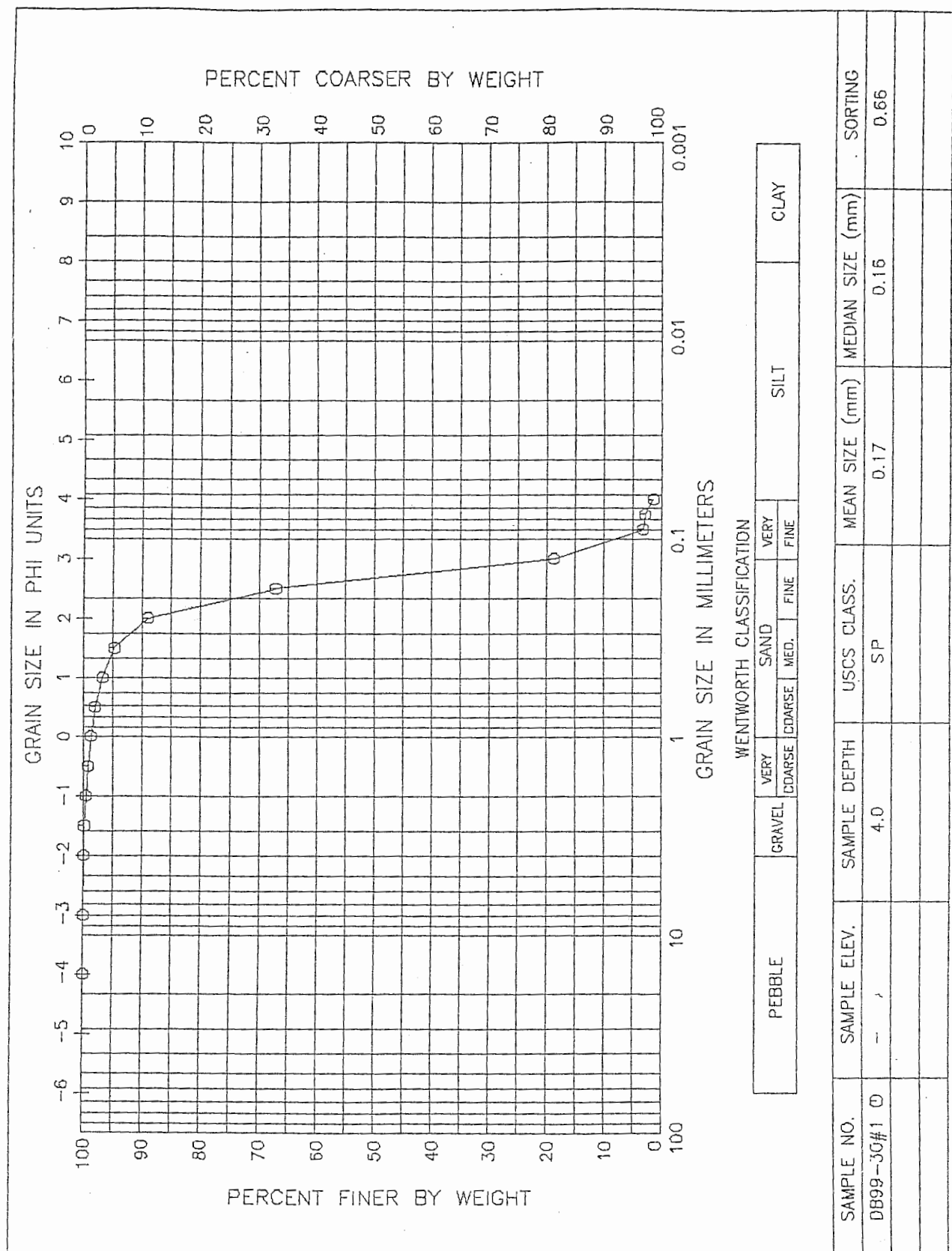
GRAPHIC METHOD

MEAN (PHI): 2.56 SORTING: 0.65
MEAN (mm): 0.17 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.49 SORTING: 0.80
MEAN (mm): 0.18

DATA FILE NAME: DB99-30#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
DELRAY BEACH VIBRACORES 1999

