

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/15/99

SAMPLE NO.: VC99 47#1

SAMPLE ELEV. (FT. NGVD): -41.2

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 169.49

SAMPLE WEIGHT AFTER WASH (GRAMS): 166.82

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	0.06	0.04	99.96
7	-1.50	2.800	0.26	0.15	99.85
10	-1.00	2.000	0.37	0.22	99.78
14	-0.50	1.400	0.66	0.39	99.61
18	0.00	1.000	0.95	0.56	99.44
25	0.50	0.710	1.34	0.79	99.21
35	1.00	0.500	1.97	1.16	98.84
45	1.50	0.355	2.85	1.68	98.32
60	2.00	0.250	5.60	3.30	96.70
80	2.50	0.180	18.07	10.66	89.34
120	3.00	0.125	94.71	55.88	44.12
170	3.50	0.090	164.30	96.94	3.06
200	3.75	0.075	166.49	98.23	1.77
230	4.00	0.063	168.08	99.17	0.83
PAN			169.49	100.00	0.00

PHI (5): 2.12

PHI (16): 2.56

PHI (25): 2.66

PHI (50): 2.93

PHI (75): 3.23

PHI (84): 3.34

PHI (95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.77%

SKEWNESS: -0.355

KURTOSIS: 0.971

GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.39

MEAN (mm): 0.14

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88

SORTING: 0.51

MEAN (mm): 0.14

DATA FILE NAME: VC99-47#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/15/99

SAMPLE NO.: VC99 47#2
SAMPLE ELEV. (FT. NGVD): -46.2
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 183.67
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.74

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	0.05	0.03	99.97
7	-1.50	2.800	0.25	0.14	99.86
10	-1.00	2.000	0.50	0.27	99.73
14	-0.50	1.400	0.86	0.47	99.53
18	0.00	1.000	1.25	0.68	99.32
25	0.50	0.710	1.75	0.95	99.05
35	1.00	0.500	2.57	1.40	98.60
45	1.50	0.355	3.91	2.13	97.87
60	2.00	0.250	7.56	4.12	95.88
80	2.50	0.180	26.39	14.37	85.63
120	3.00	0.125	130.39	70.99	29.01
170	3.50	0.090	179.11	97.52	2.48
200	3.75	0.075	180.41	98.23	1.77
230	4.00	0.063	182.13	99.16	0.84
PAN			183.66	99.99	0.01

PHI (5): 2.04 PHI (16): 2.51 PHI (25): 2.59
PHI (50): 2.81 PHI (75): 3.08 PHI (84): 3.25
PHI (95): 3.45

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.77%
SKEWNESS: -0.183 KURTOSIS: 1.199

GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.78 SORTING: 0.53
MEAN (mm): 0.15

DATA FILE NAME: VC99-47#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/15/99

SAMPLE NO.: VC99 47#3
SAMPLE ELEV. (FT. NGVD): -51.2
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 190.85
SAMPLE WEIGHT AFTER WASH (GRAMS): 186.79

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	0.93	0.49	99.51
7	-1.50	2.800	2.19	1.15	98.85
10	-1.00	2.000	4.80	2.52	97.48
14	-0.50	1.400	7.46	3.91	96.09
18	0.00	1.000	8.84	4.63	95.37
25	0.50	0.710	10.10	5.29	94.71
35	1.00	0.500	11.34	5.94	94.06
45	1.50	0.355	12.67	6.64	93.36
60	2.00	0.250	16.31	8.55	91.45
80	2.50	0.180	31.10	16.30	83.70
120	3.00	0.125	118.89	62.29	37.71
170	3.50	0.090	184.50	96.67	3.33
200	3.75	0.075	186.36	97.65	2.35
230	4.00	0.063	188.71	98.88	1.12
PAN			190.85	100.00	0.00

PHI (5): 0.28 PHI (16): 2.48 PHI (25): 2.59
PHI (50): 2.87 PHI (75): 3.18 PHI (84): 3.32
PHI (95): 3.48

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.35%
SKEWNESS: -2.370 KURTOSIS: 2.220

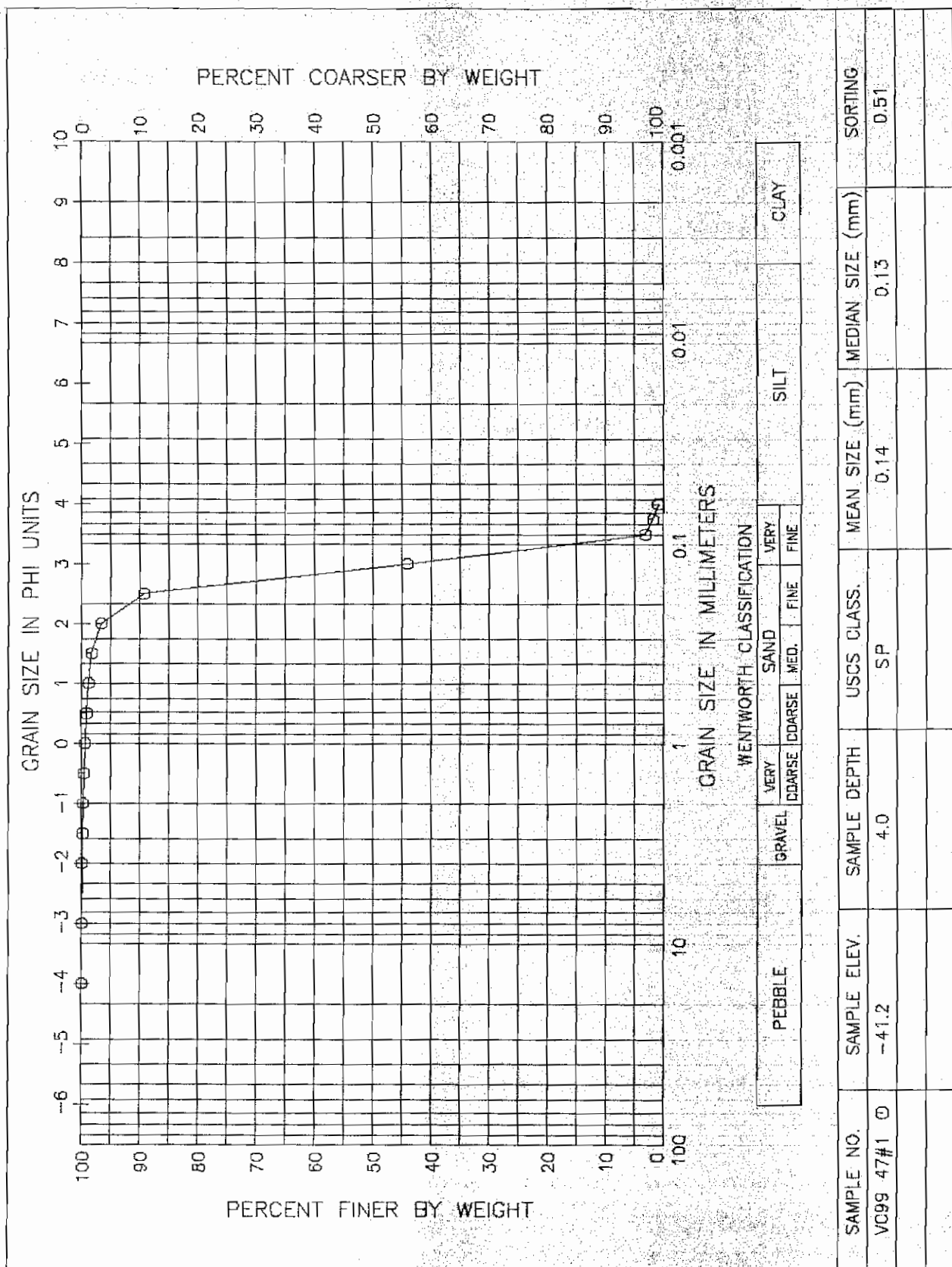
GRAPHIC METHOD

MEAN (PHI): 2.48 SORTING: 0.42
MEAN (mm): 0.18 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

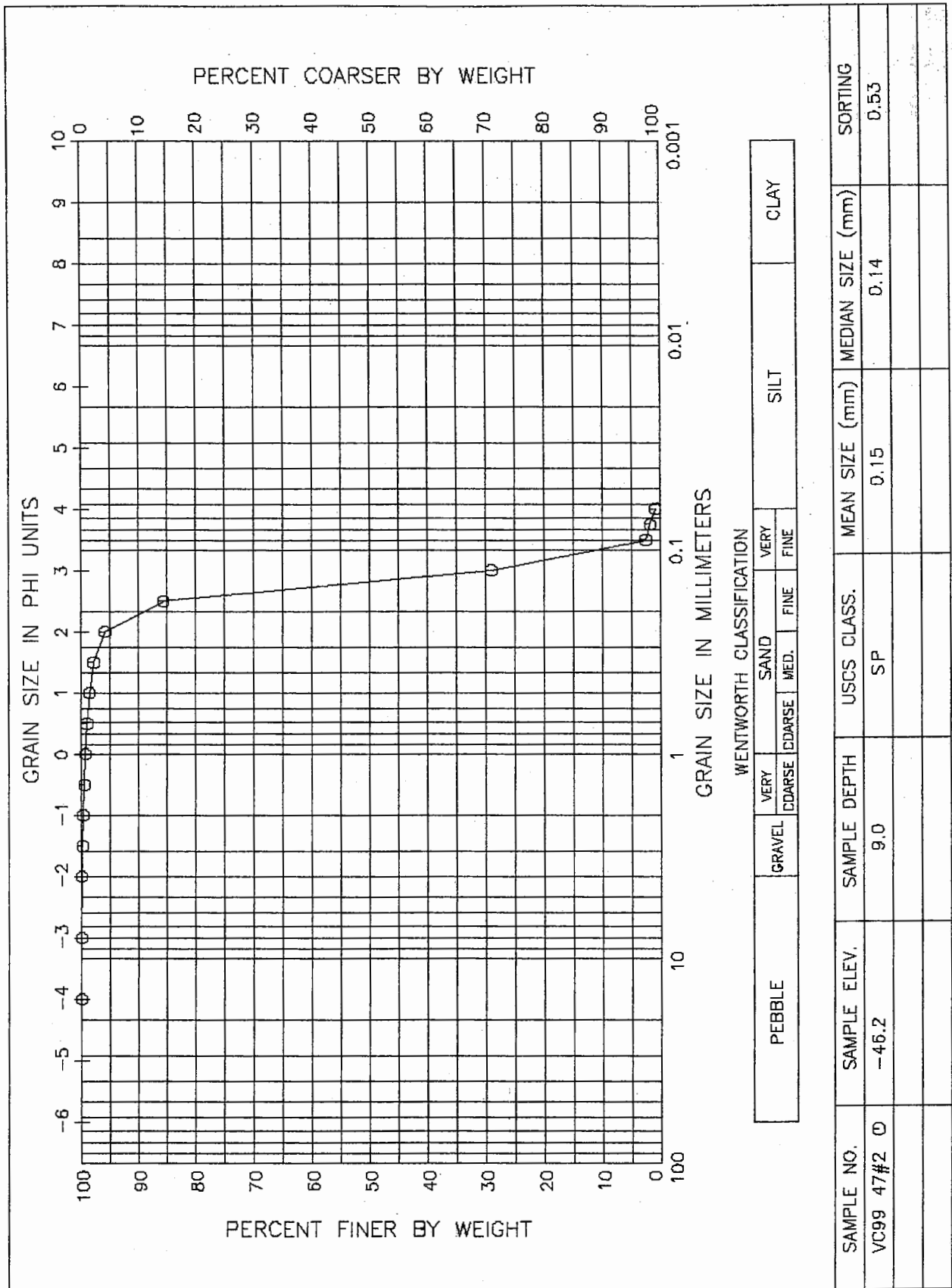
MOMENT METHOD

MEAN (PHI): 2.67 SORTING: 0.98
MEAN (mm): 0.16

DATA FILE NAME: VC99-47#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

