

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/17/99

SAMPLE NO.: VC99-45 #1

SAMPLE ELEV. (FT. NGVD): -50.8

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 184.43

SAMPLE WEIGHT AFTER WASH (GRAMS): 181.26

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	0.15	0.08	99.92
5	-2.00	4.000	0.59	0.32	99.68
7	-1.50	2.800	0.84	0.46	99.54
10	-1.00	2.000	1.43	0.78	99.22
14	-0.50	1.400	2.05	1.11	98.89
18	0.00	1.000	3.01	1.63	98.37
25	0.50	0.710	3.98	2.16	97.84
35	1.00	0.500	5.37	2.91	97.09
45	1.50	0.355	6.73	3.65	96.35
60	2.00	0.250	8.46	4.59	95.41
80	2.50	0.180	15.64	8.48	91.52
120	3.00	0.125	96.54	52.35	47.65
170	3.50	0.090	178.71	96.90	3.10
200	3.75	0.075	180.92	98.10	1.90
230	4.00	0.063	182.77	99.10	0.90
PAN			184.43	100.00	0.00

PHI (5): 2.05

PHI (16): 2.59

PHI (25): 2.69

PHI (50): 2.97

PHI (75): 3.25

PHI (84): 3.36

PHI (95): 3.48

SIEVE LOSS (g): 0.00

SILT/CLAY: 1.90%

SKEWNESS: -0.539

KURTOSIS: 1.032

GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.86

SORTING: 0.70

MEAN (mm): 0.14

DATA FILE NAME: VC99-45#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99-45 #2
SAMPLE ELEV. (FT. NGVD): -55.8
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 229.19
SAMPLE WEIGHT AFTER WASH (GRAMS): 225.87

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	0.02	0.01	99.99
7	-1.50	2.800	0.18	0.08	99.92
10	-1.00	2.000	0.51	0.22	99.78
14	-0.50	1.400	1.06	0.46	99.54
18	0.00	1.000	1.71	0.75	99.25
25	0.50	0.710	2.46	1.07	98.93
35	1.00	0.500	3.54	1.54	98.46
45	1.50	0.355	4.73	2.06	97.94
60	2.00	0.250	6.77	2.95	97.05
80	2.50	0.180	16.45	7.18	92.82
120	3.00	0.125	118.91	51.88	48.12
170	3.50	0.090	219.87	95.93	4.07
200	3.75	0.075	224.67	98.03	1.97
230	4.00	0.063	227.11	99.09	0.91
PAN			229.18	100.00	0.00

PHI (5): 2.24 PHI (16): 2.60 PHI (25): 2.70
PHI (50): 2.98 PHI (75): 3.26 PHI (84): 3.36
PHI (95): 3.49

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.97%
SKEWNESS: -0.295 KURTOSIS: 0.908

GRAPHIC METHOD

MEAN (PHI): 2.93 SORTING: 0.38
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.92 SORTING: 0.53
MEAN (mm): 0.13

DATA FILE NAME: VC99-45#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99-45 #3
SAMPLE ELEV. (FT. NGVD): -60.8
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 218.97
SAMPLE WEIGHT AFTER WASH (GRAMS): 217.54

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	0.45	0.21	99.79
7	-1.50	2.800	0.79	0.36	99.64
10	-1.00	2.000	1.35	0.62	99.38
14	-0.50	1.400	2.46	1.12	98.88
18	0.00	1.000	3.50	1.60	98.40
25	0.50	0.710	4.54	2.07	97.93
35	1.00	0.500	5.83	2.66	97.34
45	1.50	0.355	7.32	3.34	96.66
60	2.00	0.250	9.96	4.55	95.45
80	2.50	0.180	19.54	8.92	91.08
120	3.00	0.125	118.97	54.33	45.67
170	3.50	0.090	212.82	97.19	2.81
200	3.75	0.075	216.45	98.85	1.15
230	4.00	0.063	217.90	99.51	0.49
PAN			218.95	99.99	0.01

PHI (5): 2.05 PHI (16): 2.58 PHI (25): 2.68
PHI (50): 2.95 PHI (75): 3.24 PHI (84): 3.35
PHI (95): 3.47

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.15%
SKEWNESS: -0.493 KURTOSIS: 1.034

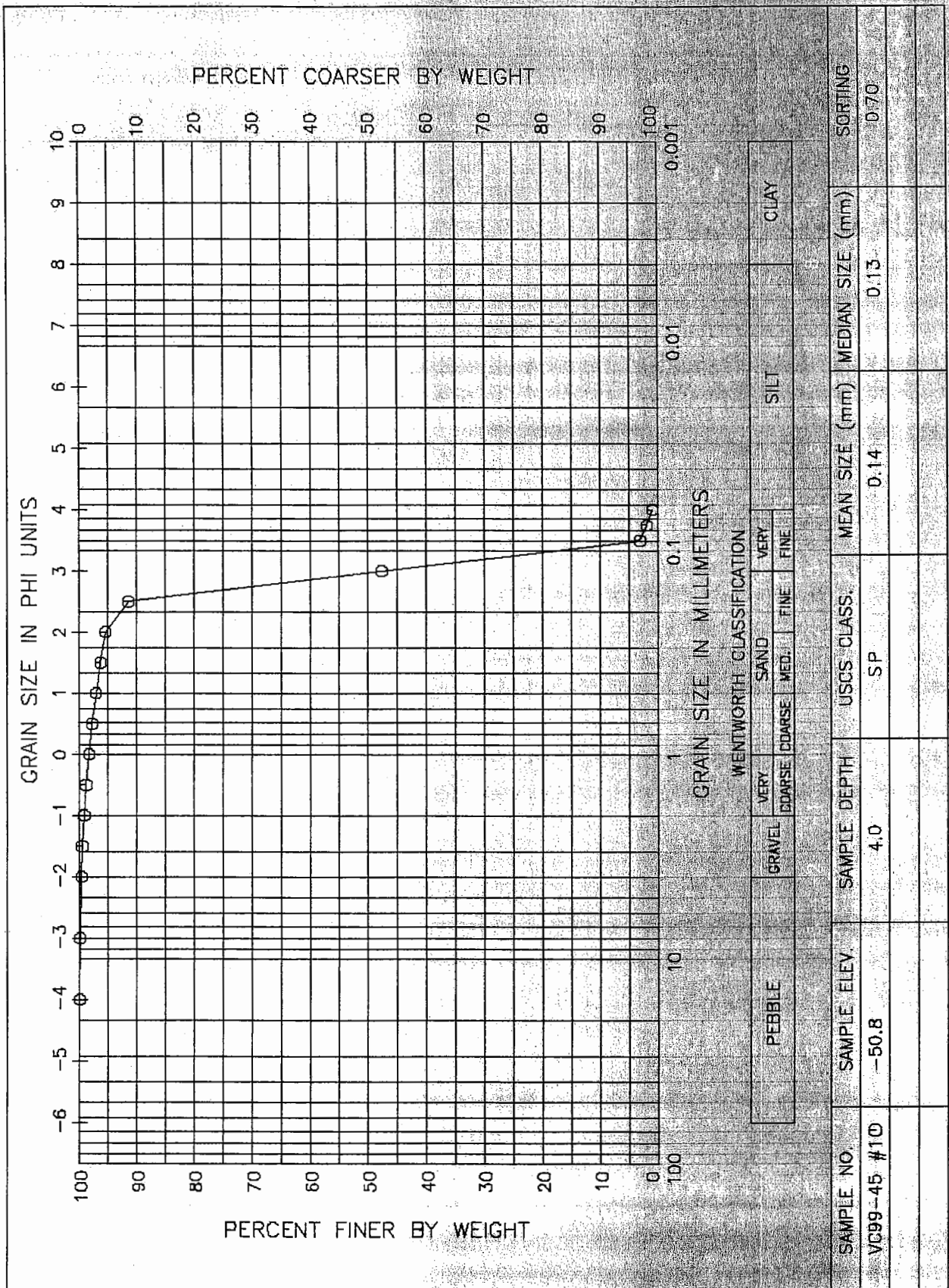
GRAPHIC METHOD

MEAN (PHI): 2.88 SORTING: 0.38
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

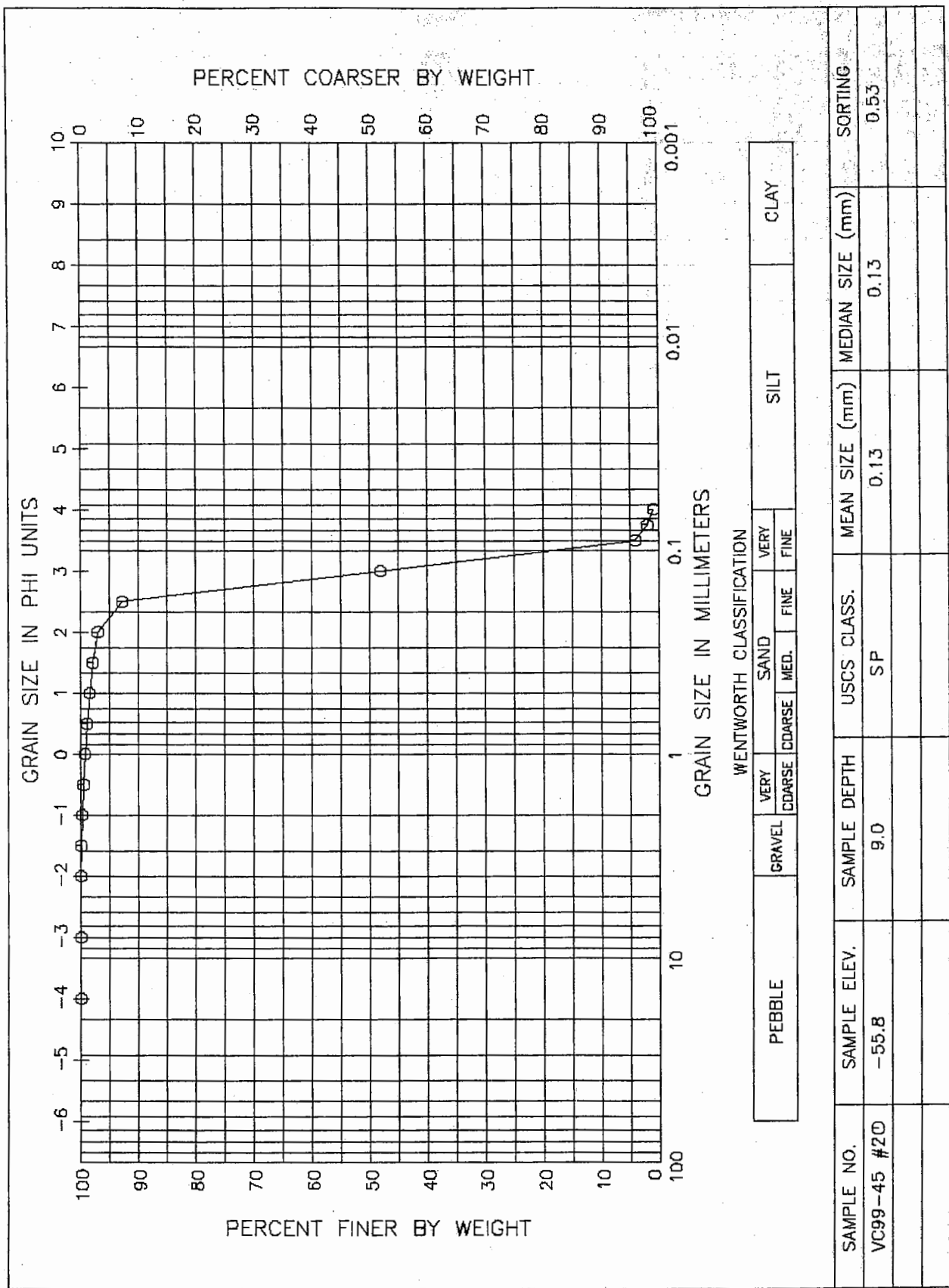
MOMENT METHOD

MEAN (PHI): 2.86 SORTING: 0.67
MEAN (mm): 0.14

DATA FILE NAME: VC99-45#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

