

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 63#1

SAMPLE ELEV. (FT. NGVD): -53.4

SAMPLE DEPTH (FT.): 3.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 174.10

SAMPLE WEIGHT AFTER WASH (GRAMS): 171.72

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	0.16	0.09	99.91
7	-1.50	2.800	0.32	0.18	99.82
10	-1.00	2.000	0.48	0.28	99.72
14	-0.50	1.400	0.91	0.52	99.48
18	0.00	1.000	1.30	0.75	99.25
25	0.50	0.710	1.81	1.04	98.96
35	1.00	0.500	2.35	1.35	98.65
45	1.50	0.355	3.01	1.73	98.27
60	2.00	0.250	4.45	2.56	97.44
80	2.50	0.180	11.60	6.66	93.34
120	3.00	0.125	82.53	47.40	52.60
170	3.50	0.090	168.94	97.04	2.96
200	3.75	0.075	171.12	98.29	1.71
230	4.00	0.063	172.72	99.21	0.79
PAN			174.10	100.00	0.00

PHI (5): 2.30

PHI (16): 2.61

PHI (25): 2.73

PHI (50): 3.03

PHI (75): 3.28

PHI (84): 3.37

PHI (95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.71%

SKEWNESS: -0.365

KURTOSIS: 0.876

GRAPHIC METHOD

MEAN (PHI): 2.96

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.94

SORTING: 0.53

MEAN (mm): 0.13

DATA FILE NAME: VC99-63#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 63#2
SAMPLE ELEV. (FT. NGVD): -58.9
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 187.08
SAMPLE WEIGHT AFTER WASH (GRAMS): 183.45

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	0.72	0.38	99.62
7	-1.50	2.800	1.11	0.59	99.41
10	-1.00	2.000	1.51	0.81	99.19
14	-0.50	1.400	2.15	1.15	98.85
18	0.00	1.000	2.84	1.52	98.48
25	0.50	0.710	3.56	1.90	98.10
35	1.00	0.500	4.49	2.40	97.60
45	1.50	0.355	5.62	3.00	97.00
60	2.00	0.250	7.46	3.99	96.01
80	2.50	0.180	15.55	8.31	91.69
120	3.00	0.125	90.80	48.54	51.46
170	3.50	0.090	178.46	95.39	4.61
200	3.75	0.075	182.48	97.54	2.46
230	4.00	0.063	185.06	98.92	1.08
PAN			187.07	99.99	0.01

PHI (5): 2.12 PHI (16): 2.60 PHI (25): 2.71
PHI (50): 3.02 PHI (75): 3.28 PHI (84): 3.38
PHI (95): 3.50

SIEVE LOSS (g): 0.01 SILT/CLAY: 2.46%
SKEWNESS: -0.534 KURTOSIS: 0.983

GRAPHIC METHOD

MEAN (PHI): 2.92 SORTING: 0.39
MEAN (mm): 0.13 MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.90 SORTING: 0.69
MEAN (mm): 0.13

DATA FILE NAME: VC99-63#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 63#3

SAMPLE ELEV. (FT. NGVD): -63.9

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 206.97

SAMPLE WEIGHT AFTER WASH (GRAMS): 202.95

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	0.21	0.10	99.90
7	-1.50	2.800	0.41	0.20	99.80
10	-1.00	2.000	1.11	0.54	99.46
14	-0.50	1.400	2.13	1.03	98.97
18	0.00	1.000	3.10	1.50	98.50
25	0.50	0.710	4.25	2.05	97.95
35	1.00	0.500	5.44	2.63	97.37
45	1.50	0.355	6.75	3.26	96.74
60	2.00	0.250	9.21	4.45	95.55
80	2.50	0.180	17.49	8.45	91.55
120	3.00	0.125	89.79	43.38	56.62
170	3.50	0.090	196.32	94.85	5.15
200	3.75	0.075	201.76	97.48	2.52
230	4.00	0.063	204.73	98.92	1.08
PAN			206.95	99.99	0.01

PHI (5): 2.07

PHI (16): 2.61

PHI (25): 2.74

PHI (50): 3.06

PHI (75): 3.31

PHI (84): 3.39

PHI (95): 3.51

SIEVE LOSS(g): 0.02

SILT/CLAY: 2.52%

SKEWNESS: -0.694

KURTOSIS: 1.039

GRAPHIC METHOD

MEAN (PHI): 2.93

SORTING: 0.39

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

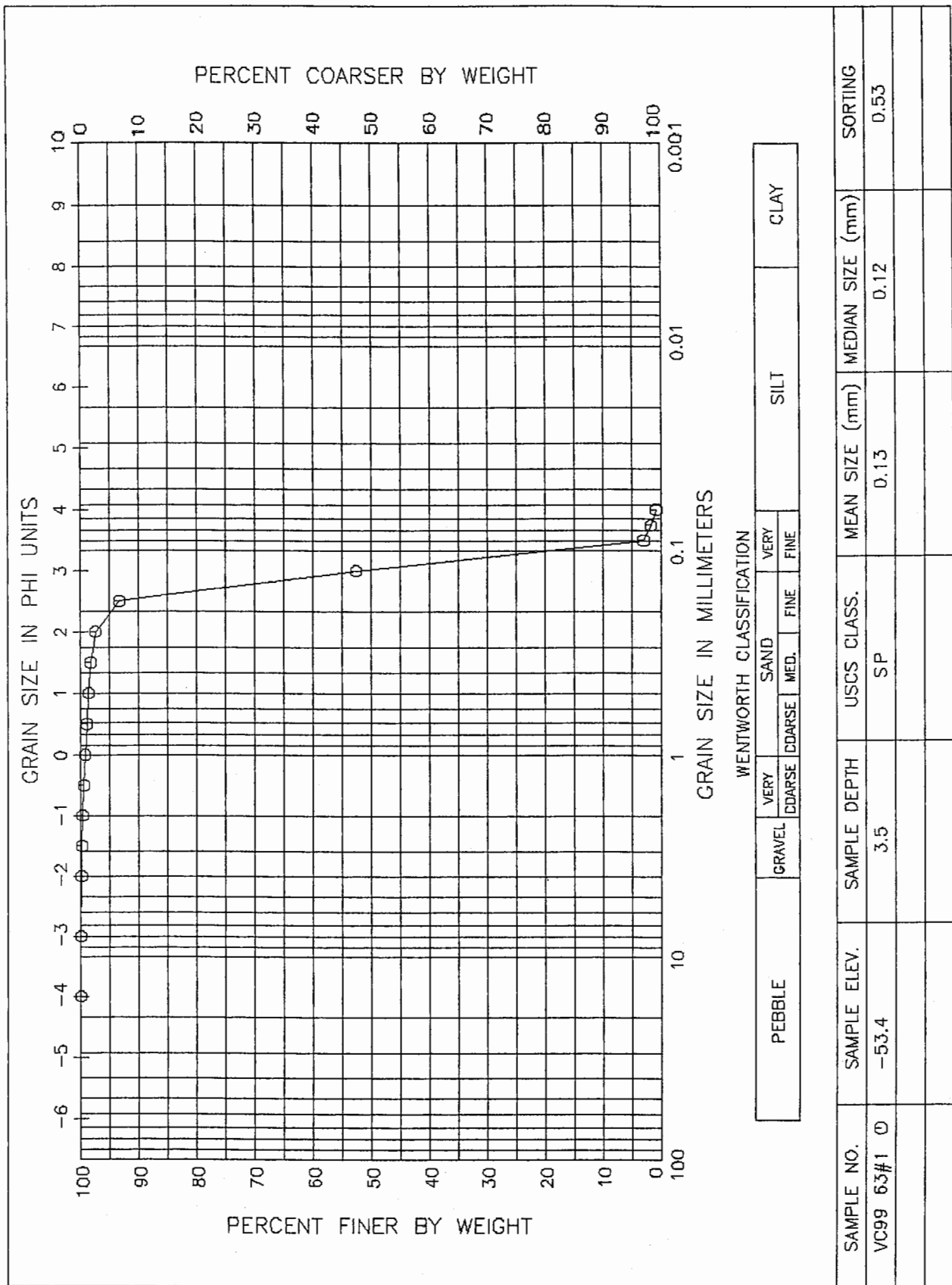
MOMENT METHOD

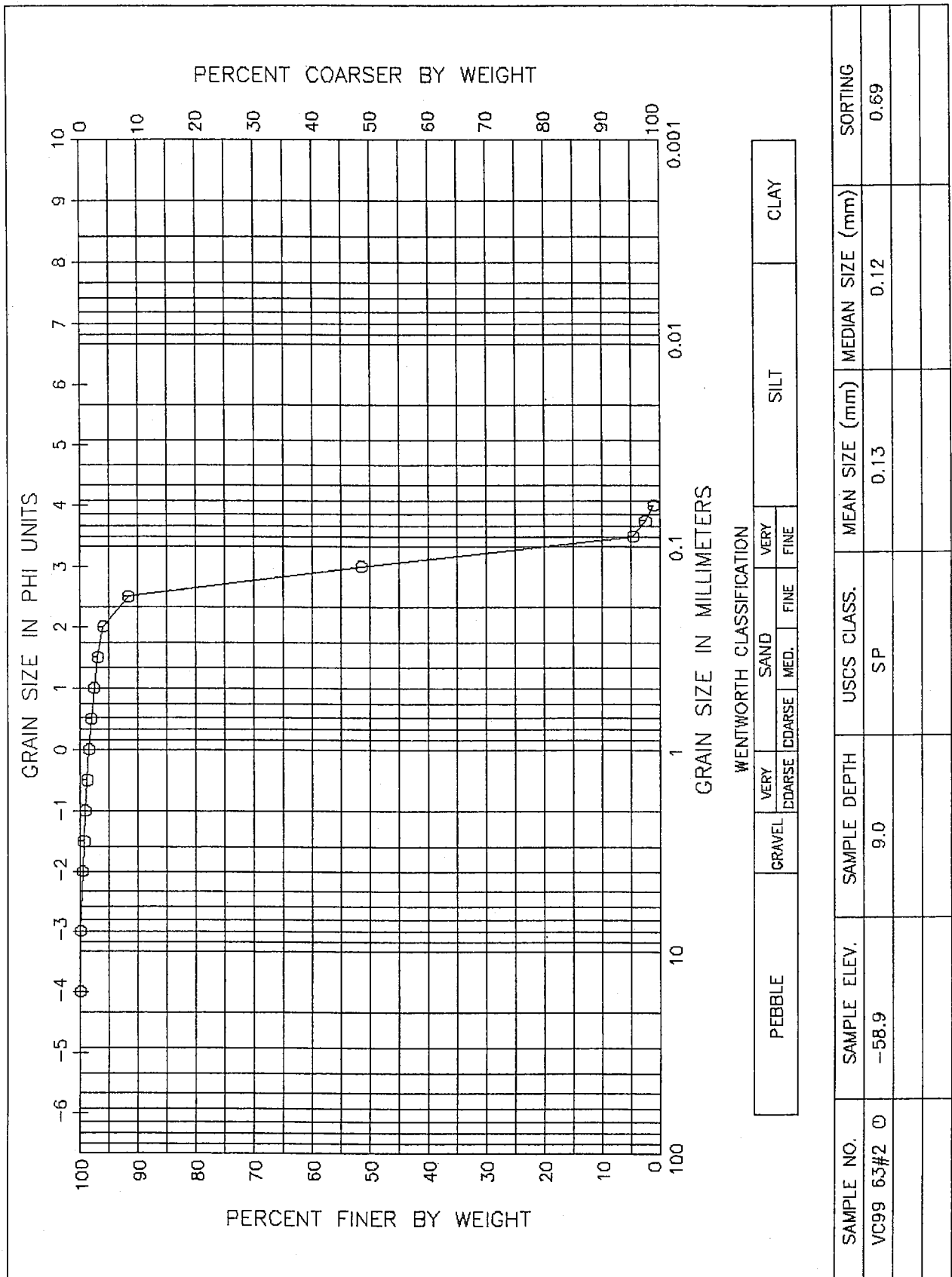
MEAN (PHI): 2.93

SORTING: 0.66

MEAN (mm): 0.13

DATA FILE NAME: VC99-63#3.TAB





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

