

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

SAMPLE NO.: VC99 56#1
SAMPLE ELEV. (FT. NGVD): -47.6
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 168.38
SAMPLE WEIGHT AFTER WASH (GRAMS): 165.71

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	0.08	99.92
7	-1.50	2.800	0.42	0.25	99.75
10	-1.00	2.000	0.73	0.43	99.57
14	-0.50	1.400	1.17	0.69	99.31
18	0.00	1.000	1.63	0.97	99.03
25	0.50	0.710	2.06	1.22	98.78
35	1.00	0.500	2.55	1.51	98.49
45	1.50	0.355	3.13	1.86	98.14
60	2.00	0.250	4.53	2.69	97.31
80	2.50	0.180	13.82	8.21	91.79
120	3.00	0.125	99.42	59.05	40.95
170	3.50	0.090	162.80	96.69	3.31
200	3.75	0.075	165.22	98.12	1.88
230	4.00	0.063	166.92	99.13	0.87
PAN			168.38	100.00	0.00

PHI (5): 2.21 PHI (16): 2.58 PHI (25): 2.67
PHI (50): 2.91 PHI (75): 3.21 PHI (84): 3.33
PHI (95): 3.48

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.88%
SKEWNESS: -0.179 KURTOSIS: 0.951

GRAPHIC METHOD

MEAN (PHI): 2.90 SORTING: 0.38
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.55
MEAN (mm): 0.14

DATA FILE NAME: VC99-56#1.TAB

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

SAMPLE NO.: VC99 56#2
SAMPLE ELEV. (FT. NGVD): -52.6
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 223.75
SAMPLE WEIGHT AFTER WASH (GRAMS): 218.90

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	0.26	0.12	99.88
10	-1.00	2.000	1.00	0.45	99.55
14	-0.50	1.400	1.89	0.84	99.16
18	0.00	1.000	2.66	1.19	98.81
25	0.50	0.710	3.44	1.54	98.46
35	1.00	0.500	4.35	1.94	98.06
45	1.50	0.355	5.31	2.37	97.63
60	2.00	0.250	7.27	3.25	96.75
80	2.50	0.180	17.88	7.99	92.01
120	3.00	0.125	128.13	57.26	42.74
170	3.50	0.090	214.34	95.79	4.21
200	3.75	0.075	217.43	97.18	2.82
230	4.00	0.063	221.07	98.80	1.20
PAN			223.72	99.99	0.01

PHI (5): 2.18 PHI (16): 2.58 PHI (25): 2.67
PHI (50): 2.93 PHI (75): 3.23 PHI (84): 3.35
PHI (95): 3.49

SIEVE LOSS (g): 0.03 SILT/CLAY: 2.82%
SKEWNESS: -0.233 KURTOSIS: 0.959

GRAPHIC METHOD

MEAN (PHI): 2.91 SORTING: 0.38
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88 SORTING: 0.58
MEAN (mm): 0.14

DATA FILE NAME: VC99-56#2.TAB

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

SAMPLE NO.: VC99 56#3
SAMPLE ELEV. (FT. NGVD): -57.6
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 204.17
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.19

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	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.09	0.04	99.96
10	-1.00	2.000	0.40	0.20	99.80
14	-0.50	1.400	0.80	0.39	99.61
18	0.00	1.000	1.27	0.62	99.38
25	0.50	0.710	1.71	0.84	99.16
35	1.00	0.500	2.36	1.16	98.84
45	1.50	0.355	3.17	1.55	98.45
60	2.00	0.250	5.30	2.60	97.40
80	2.50	0.180	17.31	8.48	91.52
120	3.00	0.125	127.27	62.34	37.66
170	3.50	0.090	197.06	96.52	3.48
200	3.75	0.075	199.36	97.64	2.36
230	4.00	0.063	201.96	98.92	1.08
PAN			204.15	99.99	0.01

PHI(5): 2.20 PHI(16): 2.57 PHI(25): 2.65
PHI(50): 2.89 PHI(75): 3.19 PHI(84): 3.32
PHI(95): 3.48

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.36%
SKEWNESS: -0.119 KURTOSIS: 0.981

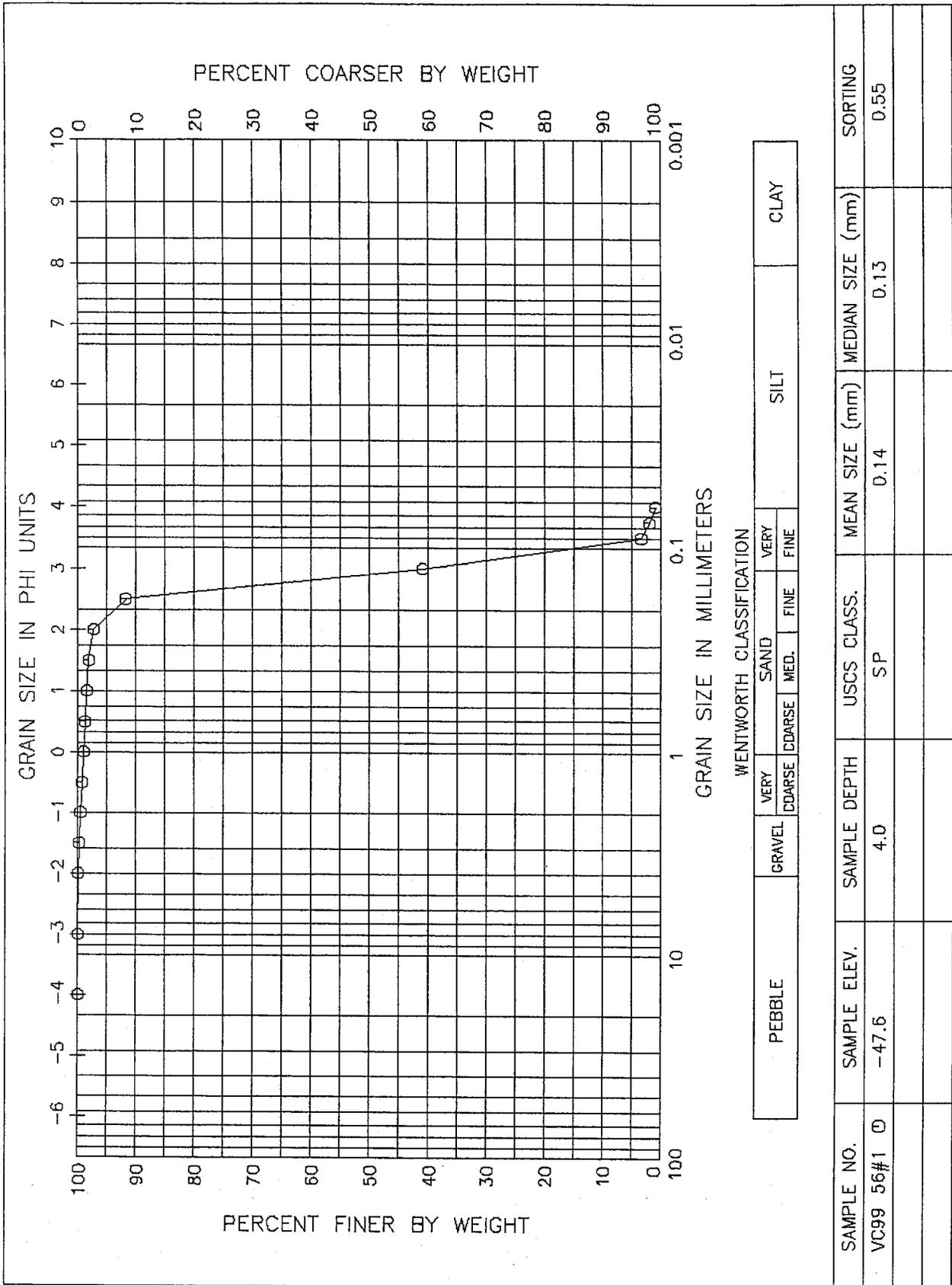
GRAPHIC METHOD

MEAN (PHI): 2.89 SORTING: 0.37
MEAN (mm) : 0.13 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

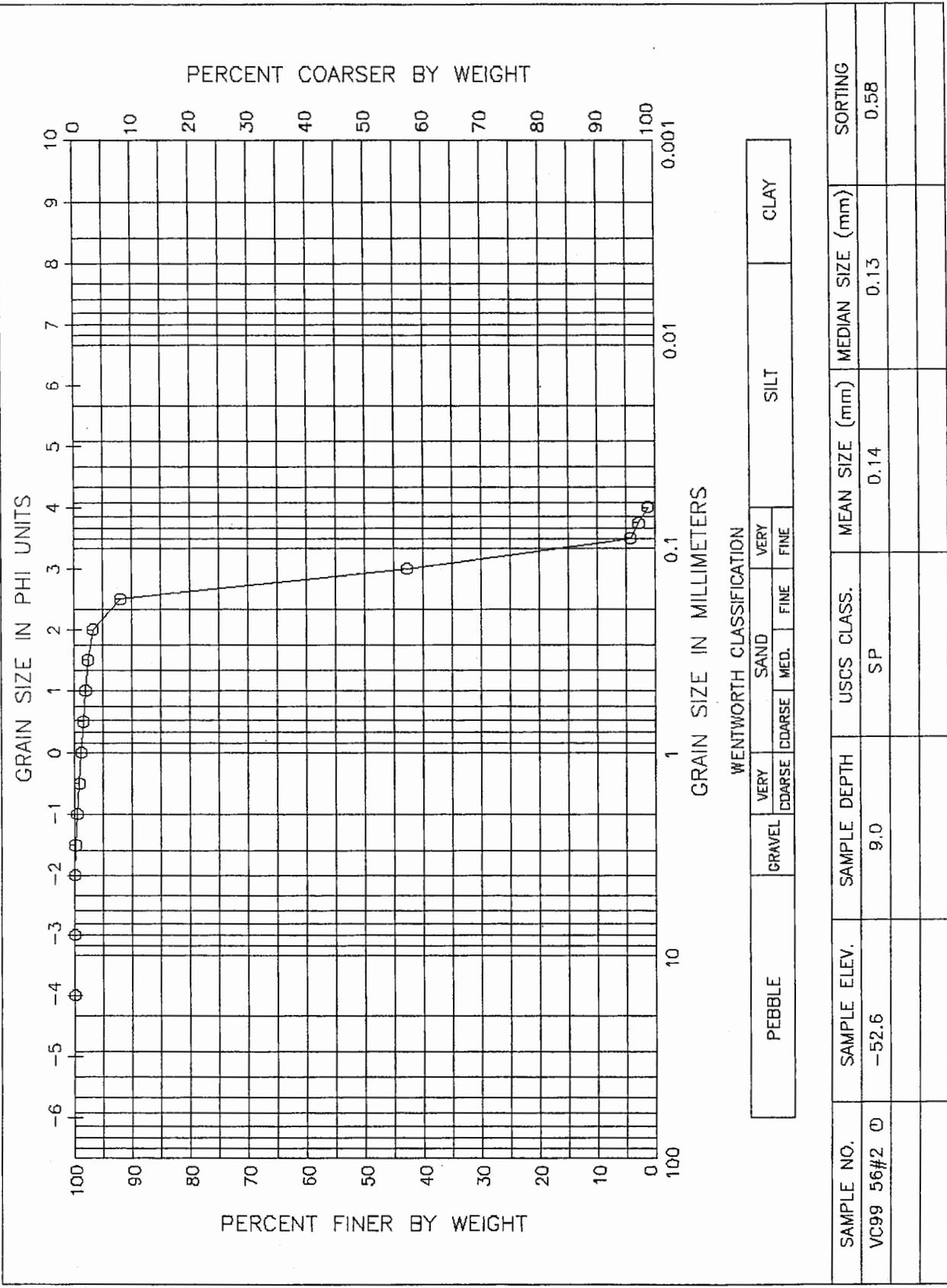
MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.49
MEAN (mm) : 0.14

DATA FILE NAME: VC99-56#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH