

## 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

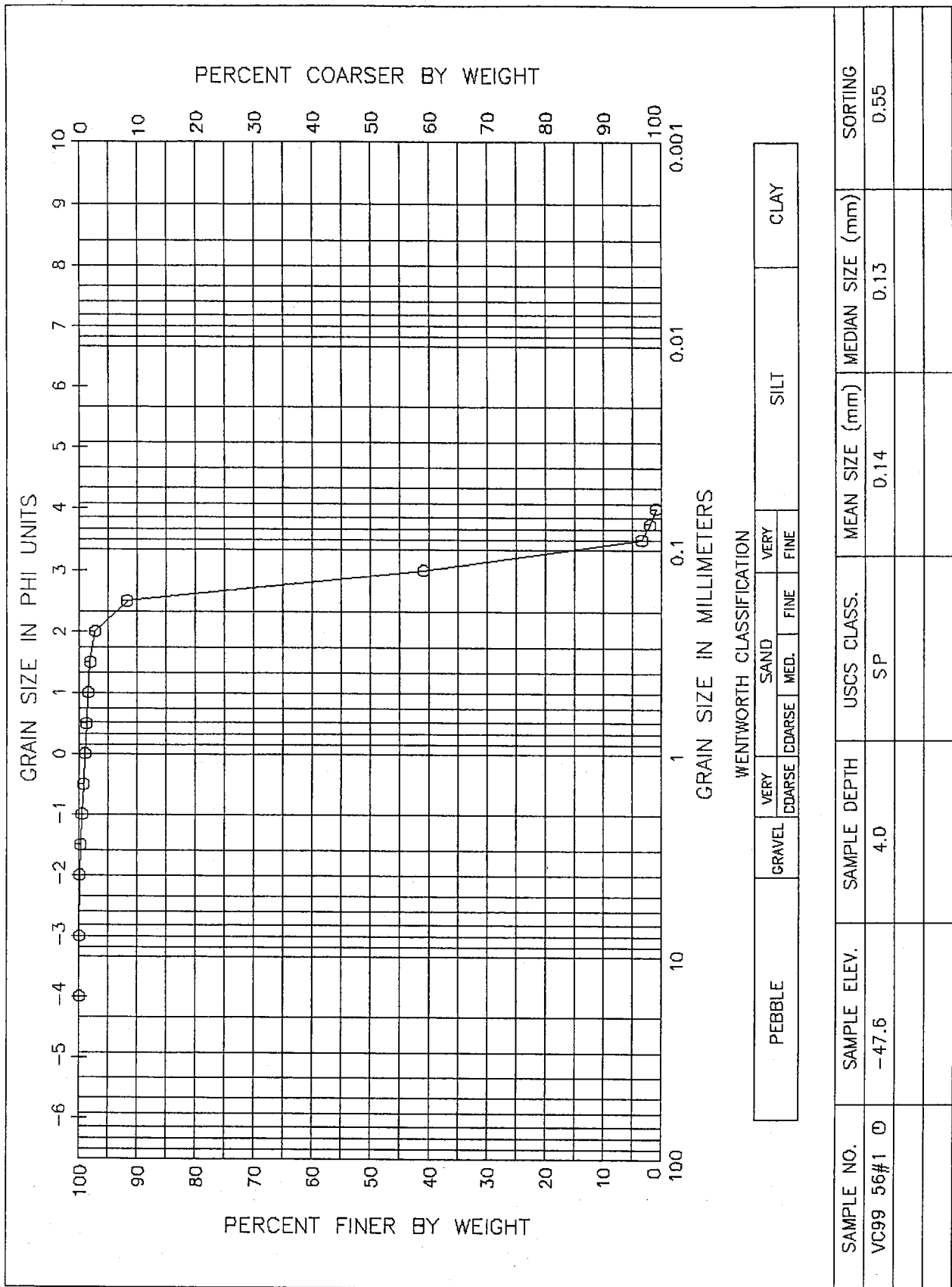
## MOMENT METHOD

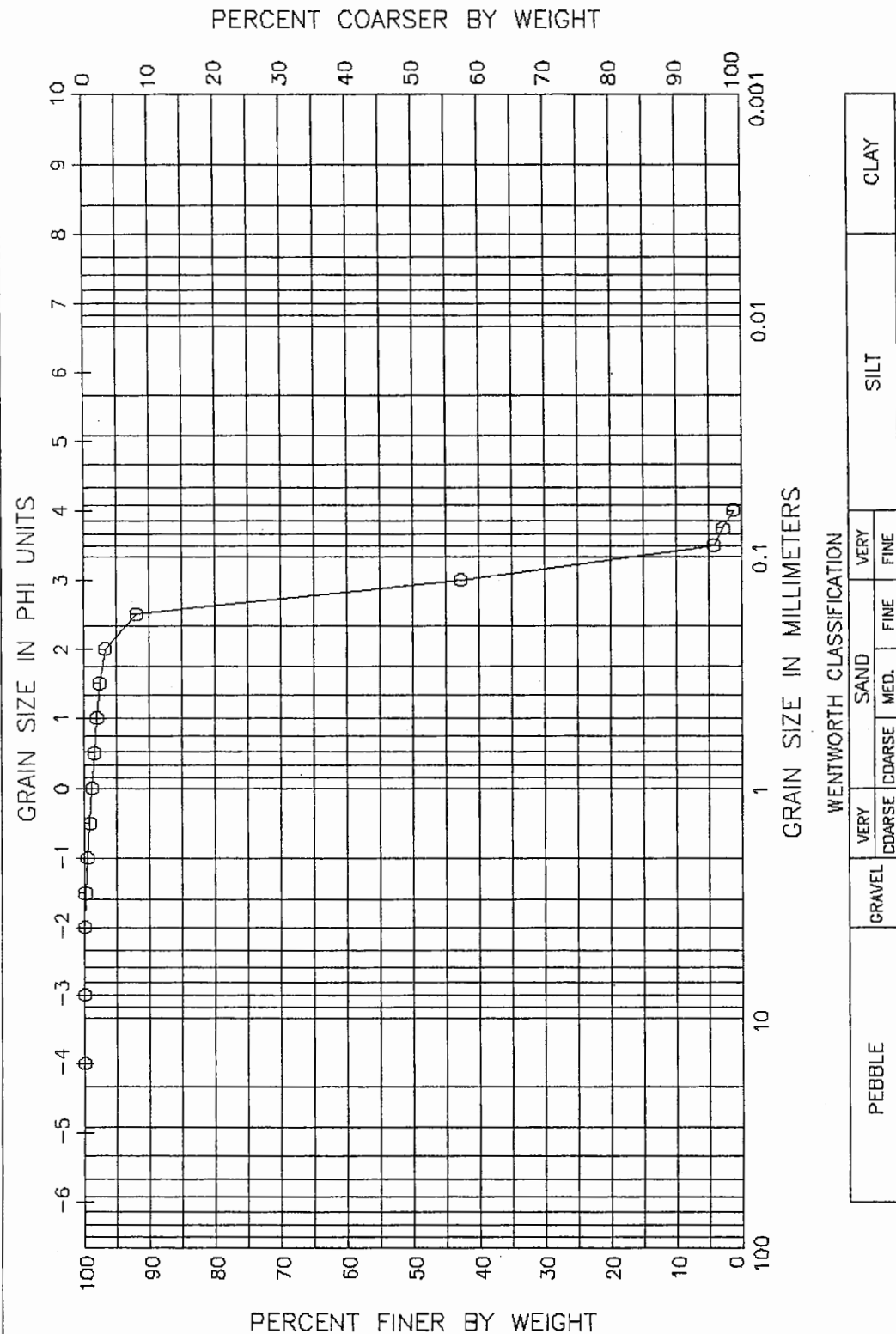
MEAN (PHI): 2.87

SORTING: 0.49

MEAN (mm): 0.14

DATA FILE NAME: VC99-56#3.TAB





SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 56#2 0	-52.6	9.0	SP	0.14	0.13	0.58

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH