

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#1
SAMPLE ELEV. (FT. NGVD): -35.3
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 84.45
SAMPLE WEIGHT AFTER WASH (GRAMS): 83.02

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	0.08	0.09	99.91
10	-1.00	2.000	0.14	0.17	99.83
14	-0.50	1.400	0.25	0.30	99.70
18	0.00	1.000	2.14	2.53	97.47
25	0.50	0.710	2.85	3.37	96.63
35	1.00	0.500	3.46	4.10	95.90
45	1.50	0.355	4.14	4.90	95.10
60	2.00	0.250	5.93	7.02	92.98
80	2.50	0.180	12.37	14.65	85.35
120	3.00	0.125	50.65	59.98	40.02
170	3.50	0.090	82.68	97.90	2.10
200	3.75	0.075	82.95	98.22	1.78
230	4.00	0.063	83.71	99.12	0.88
PAN			84.42	99.96	0.04

PHI(5): 1.52 PHI(16): 2.51 PHI(25): 2.61
PHI(50): 2.89 PHI(75): 3.20 PHI(84): 3.32
PHI(95): 3.46

SIEVE LOSS(g): 0.03 SILT/CLAY: 1.78%
SKEWNESS: -0.992 KURTOSIS: 1.361

GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.40
MEAN (mm): 0.15 MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.77 SORTING: 0.71
MEAN (mm): 0.15

DATA FILE NAME: VC99-58#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#2

SAMPLE ELEV. (FT. NGVD): -37.8

SAMPLE DEPTH (FT.): 4.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.92

SAMPLE WEIGHT AFTER WASH (GRAMS): 97.65

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	0.11	0.11	99.89
7	-1.50	2.800	0.44	0.44	99.56
10	-1.00	2.000	0.69	0.70	99.30
14	-0.50	1.400	1.21	1.22	98.78
18	0.00	1.000	1.78	1.80	98.20
25	0.50	0.710	2.75	2.78	97.22
35	1.00	0.500	4.44	4.49	95.51
45	1.50	0.355	6.33	6.40	93.60
60	2.00	0.250	10.63	10.75	89.25
80	2.50	0.180	22.67	22.92	77.08
120	3.00	0.125	66.01	66.73	33.27
170	3.50	0.090	96.77	97.83	2.17
200	3.75	0.075	97.41	98.47	1.53
230	4.00	0.063	98.24	99.32	0.68
PAN			98.89	99.97	0.03

PHI (5): 1.13

PHI (16): 2.22

PHI (25): 2.52

PHI (50): 2.81

PHI (75): 3.13

PHI (84): 3.28

PHI (95): 3.45

SIEVE LOSS(g): 0.03

SILT/CLAY: 1.53%

SKEWNESS: -0.970

KURTOSIS: 1.561

GRAPHIC METHOD

MEAN (PHI): 2.58

SORTING: 0.53

MEAN (mm): 0.17

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.66

SORTING: 0.77

MEAN (mm): 0.16

DATA FILE NAME: VC99-58#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#3

SAMPLE ELEV. (FT. NGVD): -42.3

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.86

SAMPLE WEIGHT AFTER WASH (GRAMS): 81.57

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	0.10	0.12	99.88
7	-1.50	2.800	0.34	0.41	99.59
10	-1.00	2.000	0.51	0.62	99.38
14	-0.50	1.400	0.81	0.98	99.02
18	0.00	1.000	1.16	1.40	98.60
25	0.50	0.710	1.73	2.09	97.91
35	1.00	0.500	2.63	3.17	96.83
45	1.50	0.355	4.63	5.59	94.41
60	2.00	0.250	10.06	12.14	87.86
80	2.50	0.180	27.58	33.29	66.71
120	3.00	0.125	66.22	79.92	20.08
170	3.50	0.090	80.91	97.65	2.35
200	3.75	0.075	81.56	98.43	1.57
230	4.00	0.063	82.21	99.22	0.78
PAN			82.86	100.00	0.00

PHI (5): 1.38

PHI (16): 2.09

PHI (25): 2.30

PHI (50): 2.68

PHI (75): 2.95

PHI (84): 3.12

PHI (95): 3.43

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.57%

SKEWNESS: -0.542

KURTOSIS: 1.304

GRAPHIC METHOD

MEAN (PHI): 2.54

SORTING: 0.51

MEAN (mm): 0.17

MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.55

SORTING: 0.70

MEAN (mm): 0.17

DATA FILE NAME: VC99-58#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#4

SAMPLE ELEV. (FT. NGVD): -48.3

SAMPLE DEPTH (FT.): 15.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.81

SAMPLE WEIGHT AFTER WASH (GRAMS): 86.64

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	0.06	99.94
7	-1.50	2.800	0.10	0.11	99.89
10	-1.00	2.000	0.26	0.30	99.70
14	-0.50	1.400	0.48	0.55	99.45
18	0.00	1.000	0.77	0.88	99.12
25	0.50	0.710	1.18	1.34	98.66
35	1.00	0.500	1.95	2.22	97.78
45	1.50	0.355	2.99	3.41	96.59
60	2.00	0.250	5.77	6.57	93.43
80	2.50	0.180	14.21	16.18	83.82
120	3.00	0.125	54.26	61.79	38.21
170	3.50	0.090	86.21	98.18	1.82
200	3.75	0.075	86.58	98.60	1.40
230	4.00	0.063	87.19	99.30	0.70
PAN			87.81	100.00	0.00

PHI (5): 1.75 PHI (16): 2.49 PHI (25): 2.60
PHI (50): 2.87 PHI (75): 3.18 PHI (84): 3.31
PHI (95): 3.46

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.40%
SKEWNESS: -0.655 KURTOSIS: 1.194

GRAPHIC METHOD

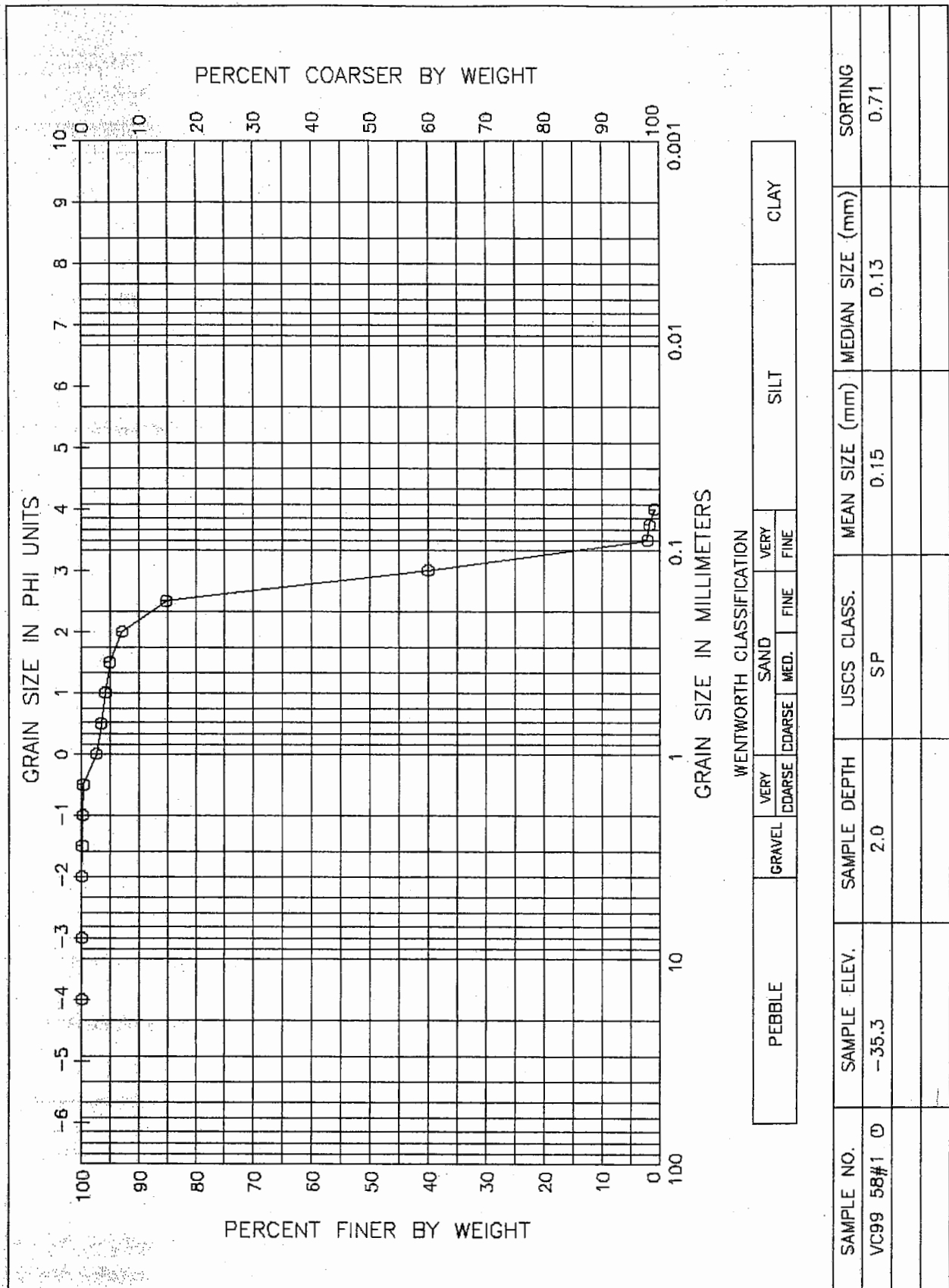
MEAN (PHI): 2.77 SORTING: 0.41
MEAN (mm): 0.15 MEDIAN (mm): 0.14

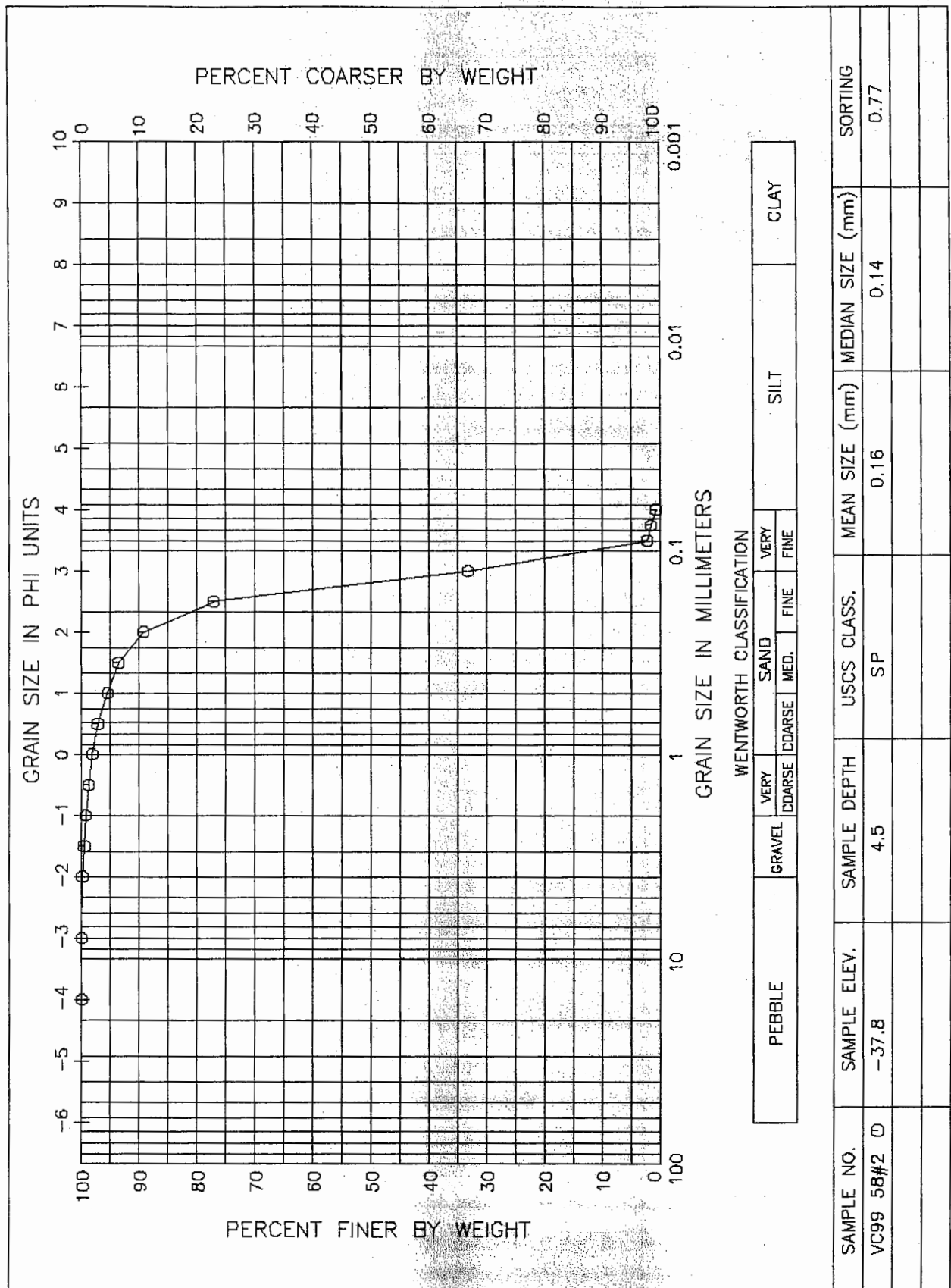
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

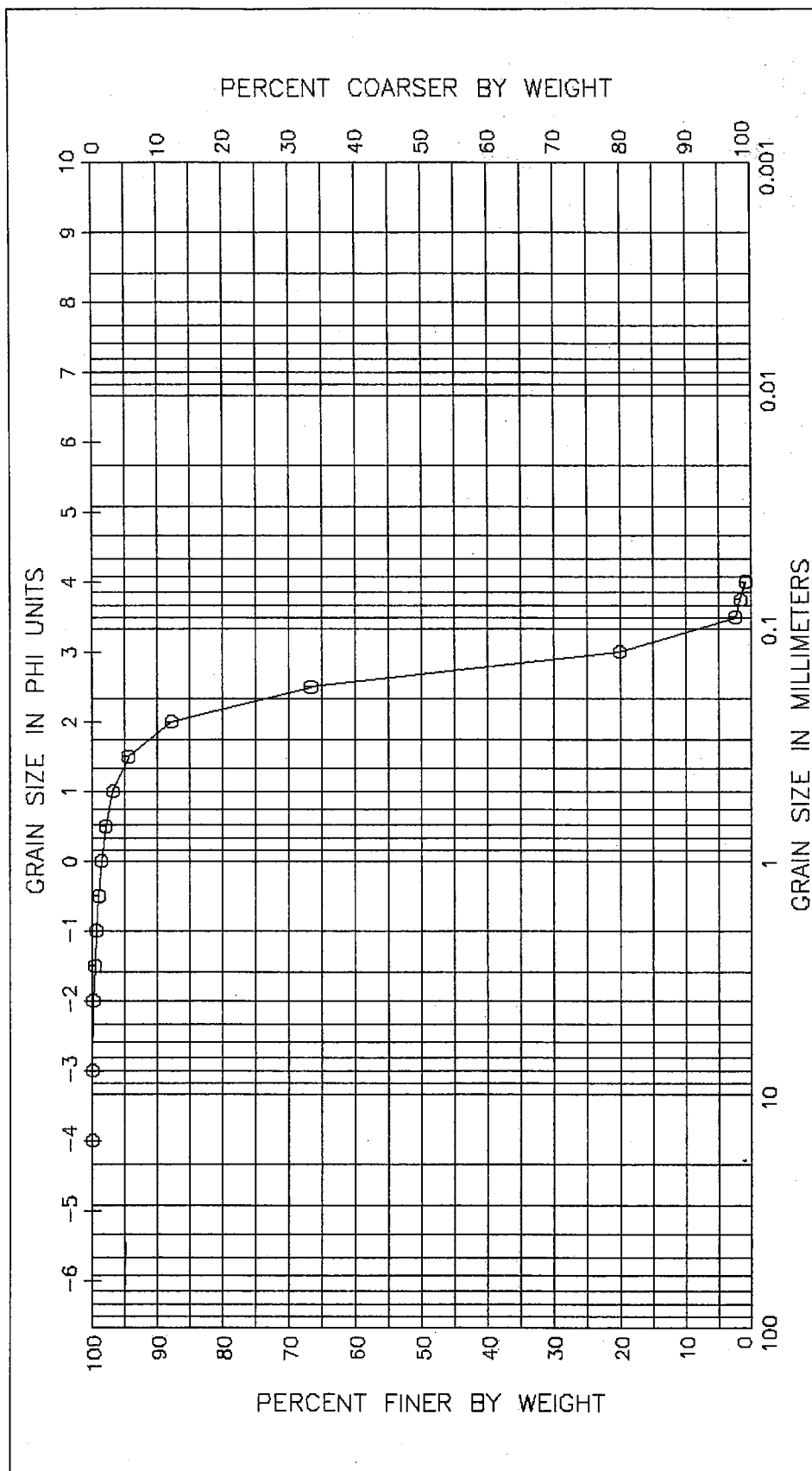
MOMENT METHOD

MEAN (PHI): 2.79 SORTING: 0.61
MEAN (mm): 0.15

DATA FILE NAME: VC99-58#4.TAB







WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND				SILT		CLAY
		VERY COARSE	COARSE	MED.	FINE	VERY FINE	FINE	

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 58#3 D	-42.3	9.0	SP	0.17	0.16	0.70

