

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 69#1
SAMPLE ELEV. (FT. NGVD): -51.7
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 234.92
SAMPLE WEIGHT AFTER WASH (GRAMS): 231.89

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	0.26	0.11	99.89
7	-1.50	2.800	0.74	0.32	99.68
10	-1.00	2.000	1.76	0.75	99.25
14	-0.50	1.400	2.82	1.20	98.80
18	0.00	1.000	3.77	1.60	98.40
25	0.50	0.710	5.23	2.23	97.77
35	1.00	0.500	6.87	2.92	97.08
45	1.50	0.355	8.68	3.69	96.31
60	2.00	0.250	12.22	5.20	94.80
80	2.50	0.180	24.87	10.59	89.41
120	3.00	0.125	132.51	56.41	43.59
170	3.50	0.090	229.63	97.75	2.25
200	3.75	0.075	231.49	98.54	1.46
230	4.00	0.063	233.30	99.31	0.69
PAN			234.93	100.00	0.00

PHI (5): 1.93 PHI (16): 2.56 PHI (25): 2.66
PHI (50): 2.93 PHI (75): 3.22 PHI (84): 3.33
PHI (95): 3.47

SIEVE LOSS (g): -0.01 SILT/CLAY: 1.46%
SKEWNESS: -0.594 KURTOSIS: 1.107

GRAPHIC METHOD

MEAN (PHI): 2.84 SORTING: 0.39
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83 SORTING: 0.68
MEAN (mm): 0.14

DATA FILE NAME: VC99-69#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/14/99

SAMPLE NO.: VC99 69#2

SAMPLE ELEV. (FT. NGVD): -56.7

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 248.58

SAMPLE WEIGHT AFTER WASH (GRAMS): 245.03

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	0.82	0.33	99.67
7	-1.50	2.800	1.18	0.47	99.53
10	-1.00	2.000	2.00	0.80	99.20
14	-0.50	1.400	3.10	1.25	98.75
18	0.00	1.000	4.15	1.67	98.33
25	0.50	0.710	5.26	2.12	97.88
35	1.00	0.500	6.86	2.76	97.24
45	1.50	0.355	8.63	3.47	96.53
60	2.00	0.250	11.75	4.73	95.27
80	2.50	0.180	22.88	9.20	90.80
120	3.00	0.125	138.64	55.77	44.23
170	3.50	0.090	240.27	96.66	3.34
200	3.75	0.075	244.14	98.21	1.79
230	4.00	0.063	246.43	99.14	0.86
PAN			248.57	100.00	0.00

PHI(5): 2.03

PHI(16): 2.57

PHI(25): 2.67

PHI(50): 2.94

PHI(75): 3.24

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.79%

SKEWNESS: -0.474

KURTOSIS: 1.050

GRAPHIC METHOD

MEAN (PHI): 2.87

SORTING: 0.39

MEAN (mm): 0.14

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.84

SORTING: 0.69

MEAN (mm): 0.14

DATA FILE NAME: VC99-69#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 69#3

SAMPLE ELEV. (FT. NGVD): -61.7

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 249.44

SAMPLE WEIGHT AFTER WASH (GRAMS): 245.38

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	0.01	0.00	100.00
7	-1.50	2.800	0.16	0.06	99.94
10	-1.00	2.000	0.36	0.14	99.86
14	-0.50	1.400	0.81	0.32	99.68
18	0.00	1.000	1.41	0.57	99.43
25	0.50	0.710	2.14	0.86	99.14
35	1.00	0.500	3.29	1.32	98.68
45	1.50	0.355	4.72	1.89	98.11
60	2.00	0.250	7.43	2.98	97.02
80	2.50	0.180	17.02	6.82	93.18
120	3.00	0.125	136.09	54.56	45.44
170	3.50	0.090	242.01	97.02	2.98
200	3.75	0.075	244.58	98.05	1.95
230	4.00	0.063	247.11	99.07	0.93
PAN			249.46	100.01	-0.01

PHI(5): 2.26

PHI(16): 2.60

PHI(25): 2.69

PHI(50): 2.95

PHI(75): 3.24

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): -0.02

SILT/CLAY: 1.95%

SKEWNESS: -0.220

KURTOSIS: 0.904

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

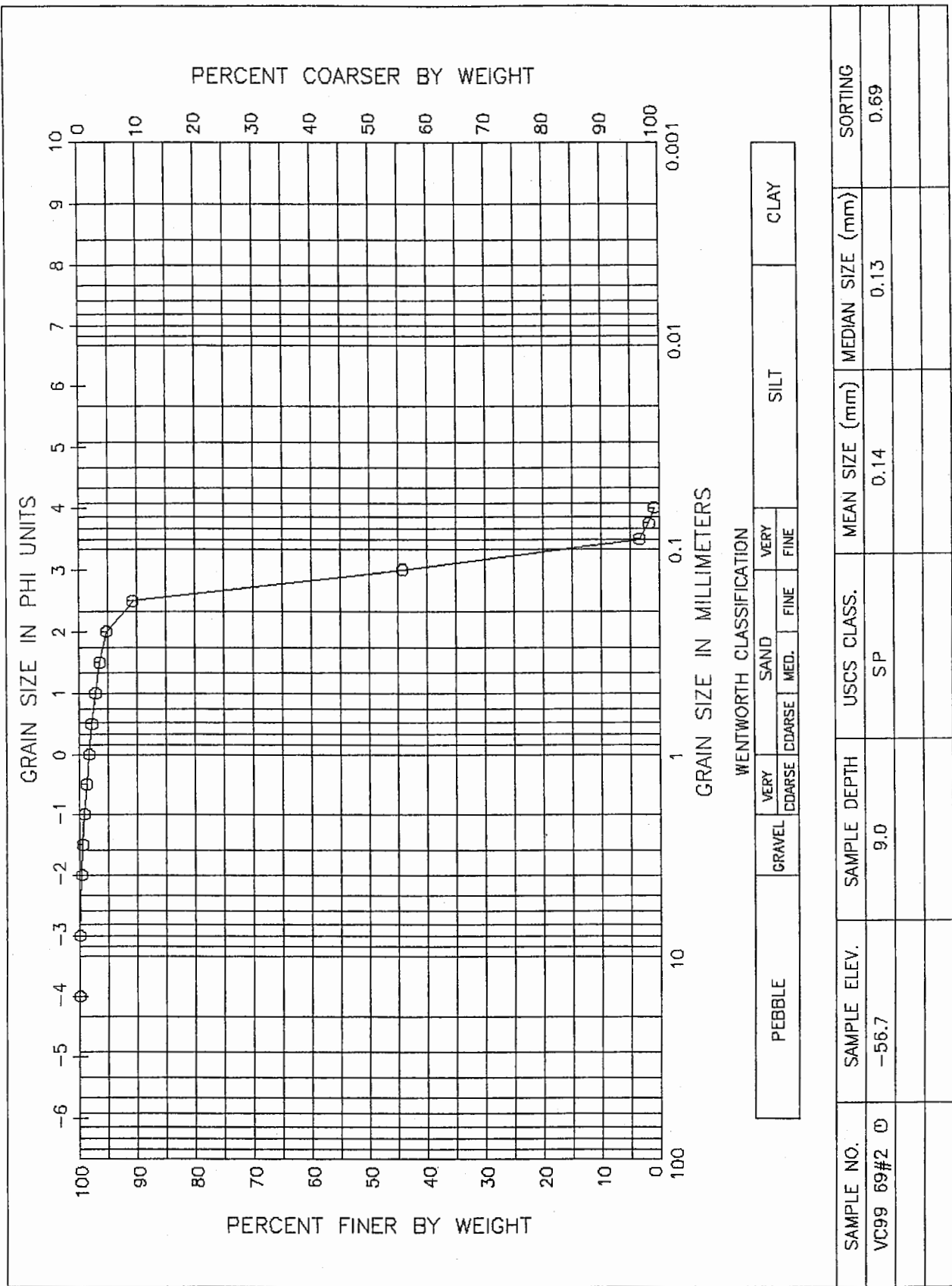
MOMENT METHOD

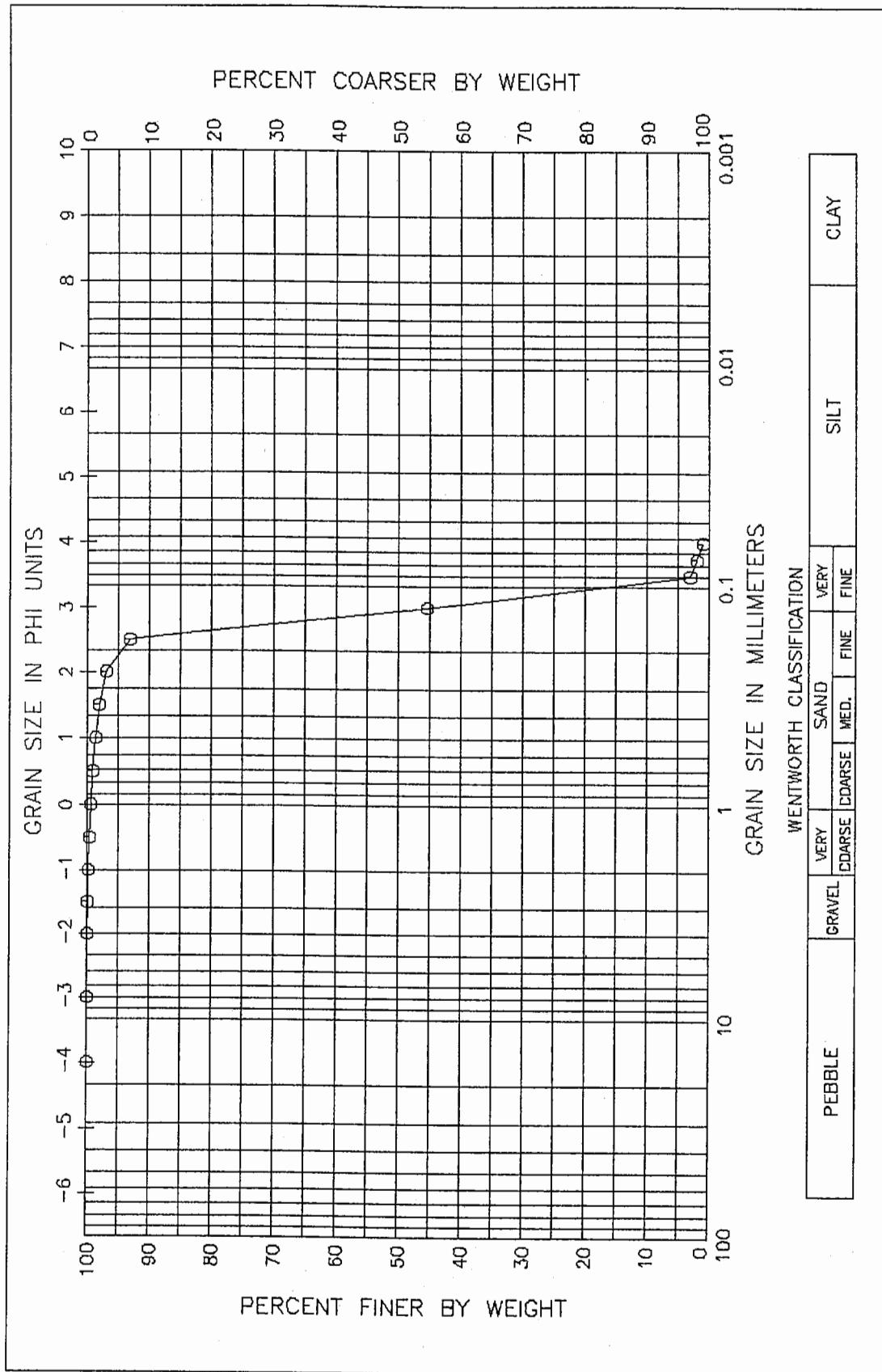
MEAN (PHI): 2.91

SORTING: 0.49

MEAN (mm): 0.13

DATA FILE NAME: VC99-69#3.TAB





SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 69#3 ①	-61.7	14.0	SP	0.13	0.13	0.49

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH