

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 67#1

SAMPLE ELEV. (FT. NGVD): -56.6

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.20

SAMPLE WEIGHT AFTER WASH (GRAMS): 200.34

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	0.51	0.25	99.75
7	-1.50	2.800	0.92	0.45	99.55
10	-1.00	2.000	1.73	0.85	99.15
14	-0.50	1.400	3.02	1.49	98.51
18	0.00	1.000	4.10	2.02	97.98
25	0.50	0.710	5.30	2.61	97.39
35	1.00	0.500	7.46	3.67	96.33
45	1.50	0.355	10.36	5.10	94.90
60	2.00	0.250	13.60	6.69	93.31
80	2.50	0.180	21.93	10.79	89.21
120	3.00	0.125	117.88	58.01	41.99
170	3.50	0.090	196.09	96.50	3.50
200	3.75	0.075	199.60	98.23	1.77
230	4.00	0.063	201.54	99.18	0.82
PAN			203.18	99.99	0.01

PHI (5): 1.47

PHI (16): 2.56

PHI (25): 2.65

PHI (50): 2.92

PHI (75): 3.22

PHI (84): 3.34

PHI (95): 3.48

SIEVE LOSS (g): 0.02

SILT/CLAY: 1.77%

SKEWNESS: -1.130

KURTOSIS: 1.448

GRAPHIC METHOD

MEAN (PHI): 2.75

SORTING: 0.39

MEAN (mm): 0.15

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.80

SORTING: 0.75

MEAN (mm): 0.14

DATA FILE NAME: VC99-67#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 67#2

SAMPLE ELEV. (FT. NGVD): -61.6

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 214.15

SAMPLE WEIGHT AFTER WASH (GRAMS): 210.30

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	0.31	0.14	99.86
7	-1.50	2.800	0.69	0.32	99.68
10	-1.00	2.000	1.26	0.59	99.41
14	-0.50	1.400	2.14	1.00	99.00
18	0.00	1.000	2.87	1.34	98.66
25	0.50	0.710	4.29	2.00	98.00
35	1.00	0.500	6.55	3.06	96.94
45	1.50	0.355	9.89	4.62	95.38
60	2.00	0.250	15.88	7.42	92.58
80	2.50	0.180	27.74	12.95	87.05
120	3.00	0.125	125.14	58.44	41.56
170	3.50	0.090	206.90	96.61	3.39
200	3.75	0.075	209.70	97.92	2.08
230	4.00	0.063	212.13	99.05	0.95
PAN			214.14	100.00	0.00

PHI (5): 1.57

PHI (16): 2.53

PHI (25): 2.63

PHI (50): 2.91

PHI (75): 3.22

PHI (84): 3.33

PHI (95): 3.48

SIEVE LOSS (g): 0.01

SILT/CLAY: 2.08%

SKEWNESS: -0.958

KURTOSIS: 1.340

GRAPHIC METHOD

MEAN (PHI): 2.76

SORTING: 0.40

MEAN (mm): 0.15

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.80

SORTING: 0.69

MEAN (mm): 0.14

DATA FILE NAME: VC99-67#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 67#3

SAMPLE ELEV. (FT. NGVD): -66.6

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 208.15

SAMPLE WEIGHT AFTER WASH (GRAMS): 203.30

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	0.15	0.07	99.93
10	-1.00	2.000	0.35	0.17	99.83
14	-0.50	1.400	-0.27	-0.13	100.13
18	0.00	1.000	1.36	0.65	99.35
25	0.50	0.710	2.82	1.35	98.65
35	1.00	0.500	5.68	2.73	97.27
45	1.50	0.355	10.28	4.94	95.06
60	2.00	0.250	17.80	8.55	91.45
80	2.50	0.180	30.65	14.72	85.28
120	3.00	0.125	118.61	56.98	43.02
170	3.50	0.090	200.62	96.38	3.62
200	3.75	0.075	202.73	97.40	2.60
230	4.00	0.063	205.61	98.78	1.22
PAN			208.16	100.00	0.00

PHI (5): 1.51

PHI (16): 2.52

PHI (25): 2.62

PHI (50): 2.92

PHI (75): 3.23

PHI (84): 3.34

PHI (95): 3.48

SIEVE LOSS (g): -0.01

SILT/CLAY: 2.60%

SKEWNESS: -1.019

KURTOSIS: 1.333

GRAPHIC METHOD

MEAN (PHI): 2.75

SORTING: 0.41

MEAN (mm): 0.15

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

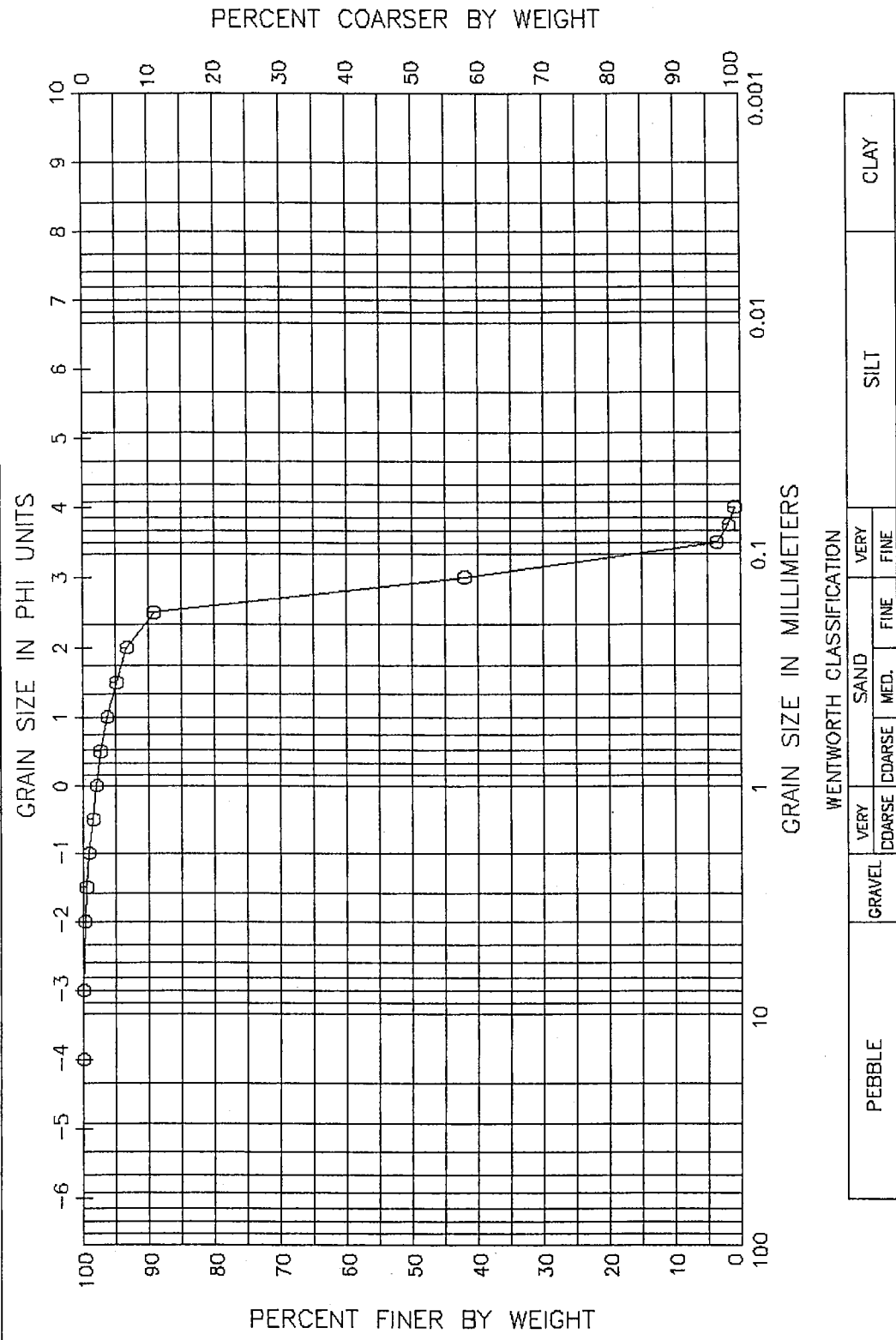
MOMENT METHOD

MEAN (PHI): 2.81

SORTING: 0.62

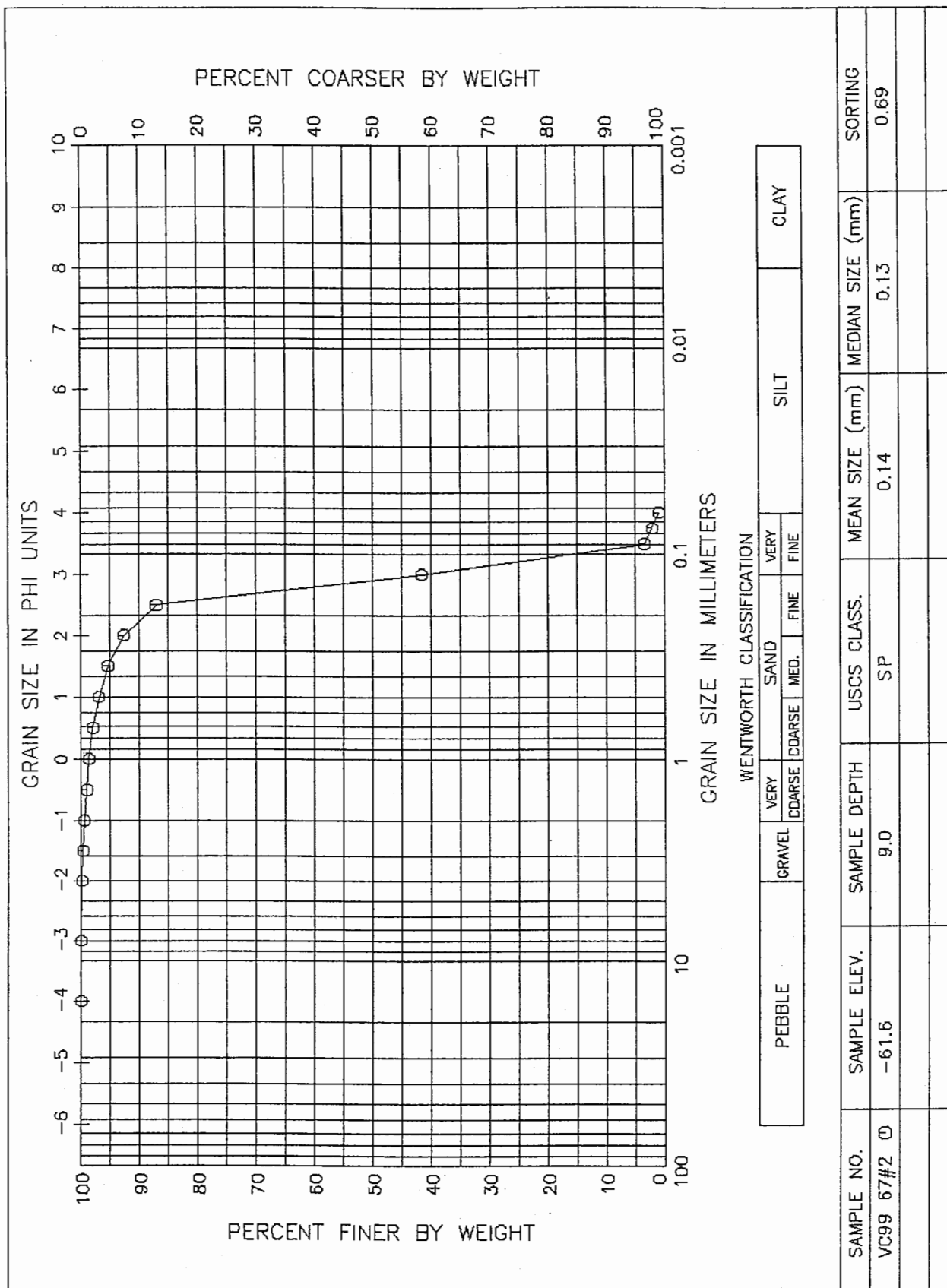
MEAN (mm): 0.14

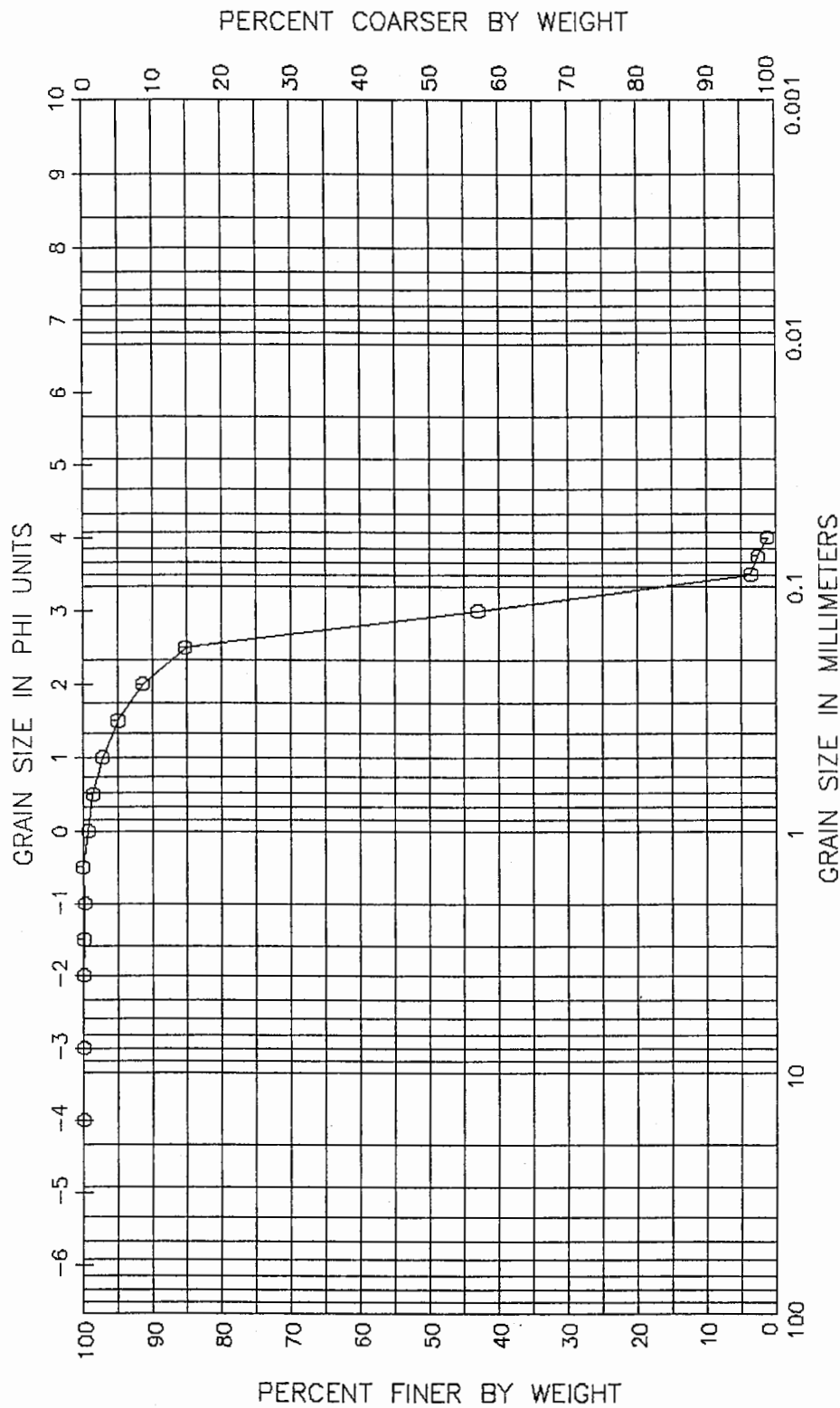
DATA FILE NAME: VC99-67#3.TAB



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 57#1 ①	-56.6	4.0	SP	0.14	0.13	0.75

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 67#3	-66.6	14.0	SP	0.14	0.13	0.62

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH