GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 61#1
SAMPLE ELEV. (FT. NGVD): -53.3
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 221.93
SAMPLE WEIGHT AFTER WASH (GRAMS): 218.79

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	0.28	0.13	99.87
7	-1.50	2.800	0.52	0.23	99.77
10	-1.00	2.000	1.22	0.55	99.45
14	-0.50	1.400	2.30	1.04	98.96
18	0.00	1.000	3.46	1.56	98.44
25	0.50	0.710	4.68	2.11	97.89
35	1.00	0.500	6.14	2.77	97.23
45	1.50	0.355	7.62	3.43	96.57
60	2.00	0.250	11.02	4.97	95.03
80	2.50	0.180	24.56	11.07	88.93
120	3.00	0.125	111.58	50.28	49.72
170	3.50	0.090	209.09	94.21	5.79
200	3.75	0.075	218.43	98.42	1.58
230	4.00	0.063	220.30	99.27	0.73
PAN			221.93	100.00	0.00

PHI(5): 2.00 PHI(16): 2.56 PHI(25): 2.68
PHI(50): 3.00 PHI(75): 3.28 PHI(84): 3.38
PHI(95): 3.55

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.58%
SKEWNESS: -0.540 KURTOSIS: 1.048

GRAPHIC METHOD
MEAN (PHI): 2.90 SORTING: 0.41
MEAN (mm) : 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.88 SORTING: 0.68
MEAN (mm) : 0.14

DATA FILE NAME: VC99-61#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 61#2
SAMPLE ELEV. (FT. NGVD): -58.3
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 221.88
SAMPLE WEIGHT AFTER WASH (GRAMS): 217.79

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	0.59	0.27	99.73
5	-2.00	4.000	1.25	0.56	99.44
7	-1.50	2.800	1.42	0.64	99.36
10	-1.00	2.000	1.87	0.84	99.16
14	-0.50	1.400	2.45	1.10	98.90
18	0.00	1.000	3.04	1.37	98.63
25	0.50	0.710	3.63	1.64	98.36
35	1.00	0.500	4.31	1.94	98.06
45	1.50	0.355	5.11	2.30	97.70
60	2.00	0.250	6.83	3.08	96.92
80	2.50	0.180	16.56	7.46	92.54
120	3.00	0.125	112.80	50.84	49.16
170	3.50	0.090	213.08	96.03	3.97
200	3.75	0.075	216.92	97.76	2.24
230	4.00	0.063	219.58	98.96	1.04
PAN			221.88	100.00	0.00

PHI(5): 2.22 PHI(16): 2.60 PHI(25): 2.70
PHI(50): 2.99 PHI(75): 3.27 PHI(84): 3.37
PHI(95): 3.49

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.24%
SKEWNESS: -0.355 KURTOSIS: 0.921

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): 2.90 SORTING: 0.69
MEAN (mm) : 0.13

DATA FILE NAME: VC99-61#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 61#3
SAMPLE ELEV. (FT. NGVD): -63.3
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 217.73
SAMPLE WEIGHT AFTER WASH (GRAMS): 212.05

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	0.76	0.35	99.65
5	-2.00	4.000	1.05	0.48	99.52
7	-1.50	2.800	1.18	0.54	99.46
10	-1.00	2.000	1.60	0.73	99.27
14	-0.50	1.400	2.26	1.04	98.96
18	0.00	1.000	3.03	1.39	98.61
25	0.50	0.710	3.79	1.74	98.26
35	1.00	0.500	4.77	2.19	97.81
45	1.50	0.355	5.89	2.71	97.29
60	2.00	0.250	8.26	3.79	96.21
80	2.50	0.180	19.08	8.76	91.24
120	3.00	0.125	94.83	43.55	56.45
170	3.50	0.090	202.69	93.09	6.91
200	3.75	0.075	210.77	96.80	3.20
230	4.00	0.063	214.35	98.45	1.55
PAN			217.74	100.00	0.00

PHI(5): 2.12 PHI(16): 2.60 PHI(25): 2.73
PHI(50): 3.07 PHI(75): 3.32 PHI(84): 3.41
PHI(95): 3.63

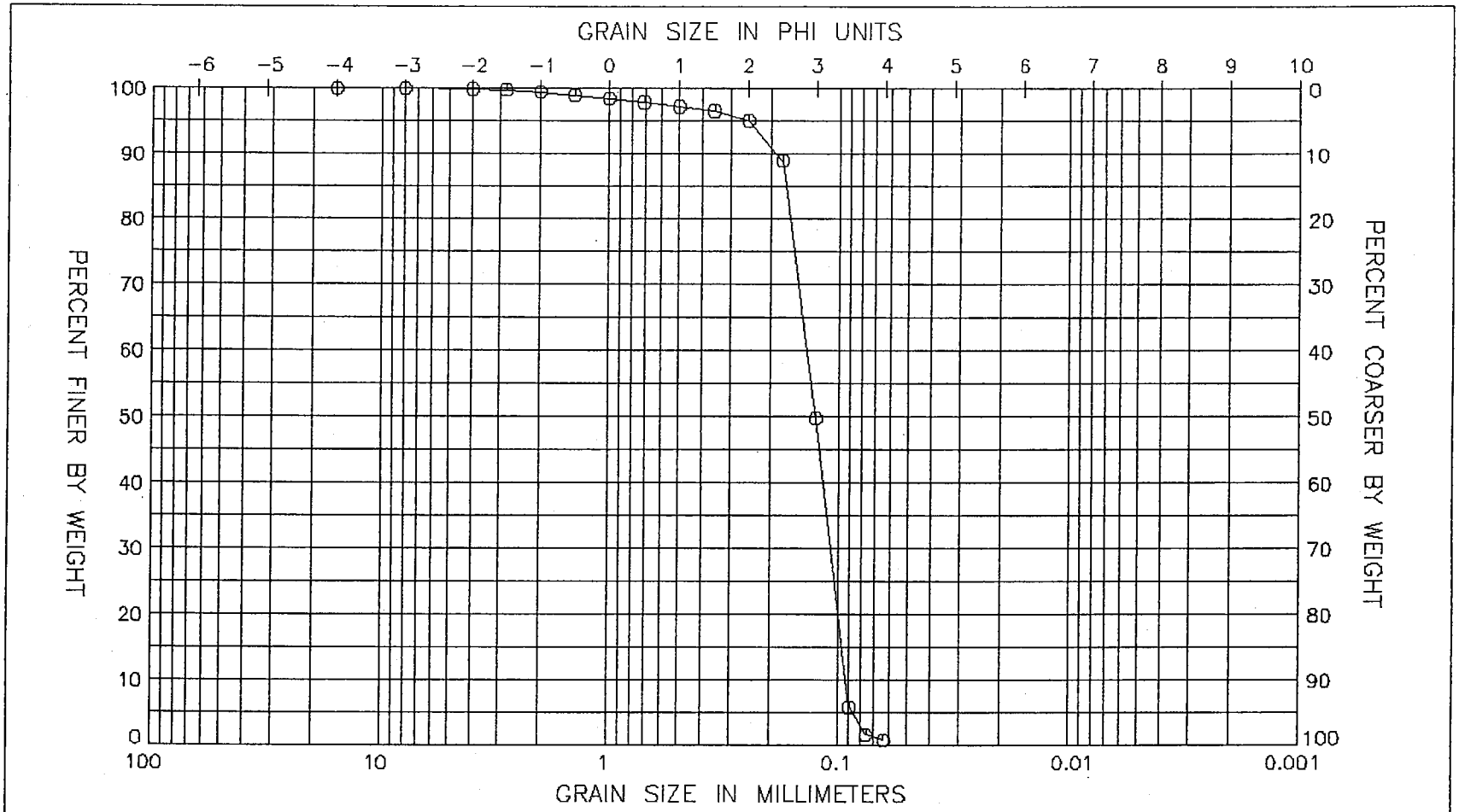
SIEVE LOSS(g): -0.01 SILT/CLAY: 3.20%
SKEWNESS: -0.473 KURTOSIS: 1.058

GRAPHIC METHOD
MEAN (PHI): 2.97 SORTING: 0.40
MEAN (mm) : 0.13 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.93 SORTING: 0.71
MEAN (mm) : 0.13

DATA FILE NAME: VC99-61#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

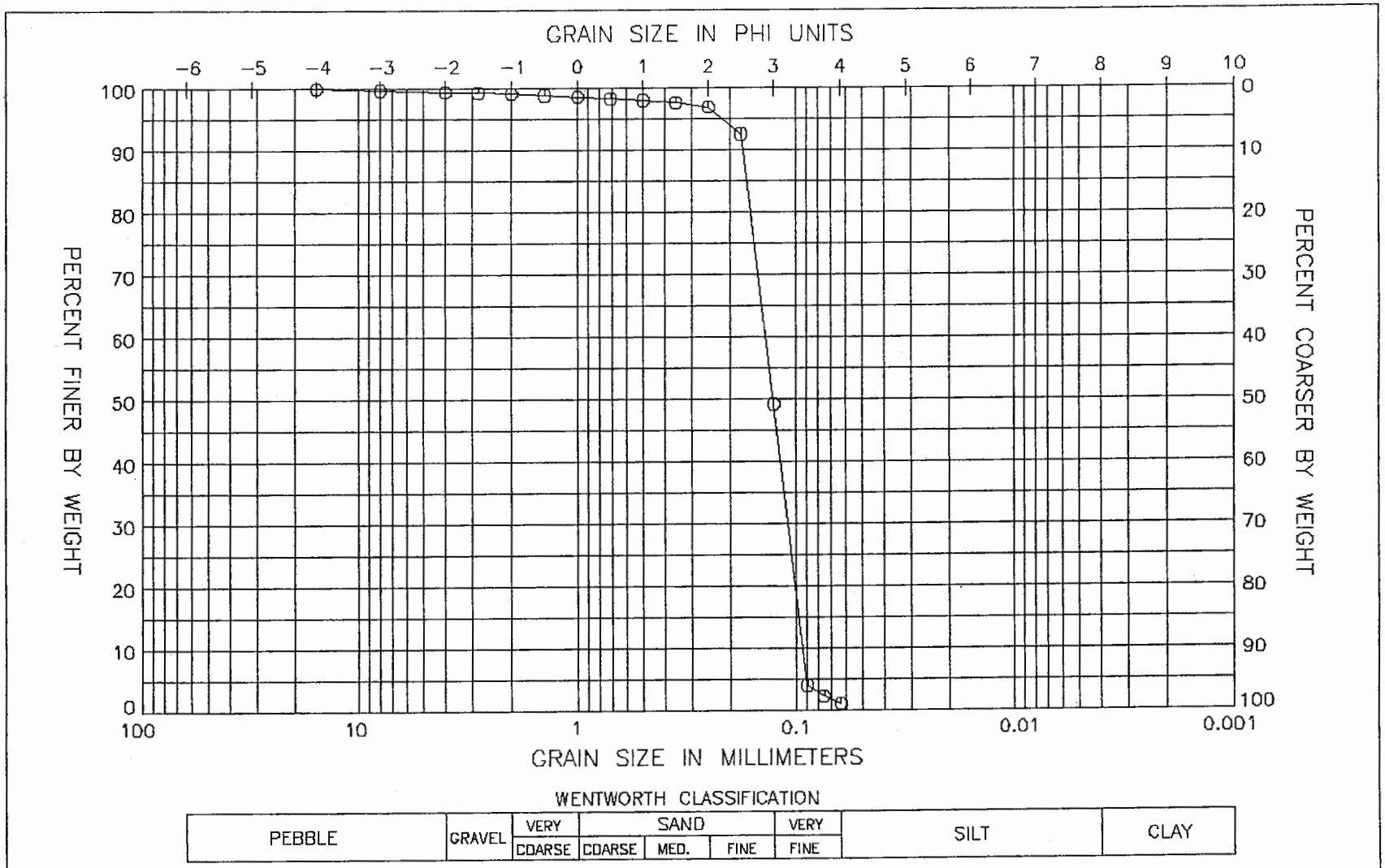


WENTWORTH CLASSIFICATION

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

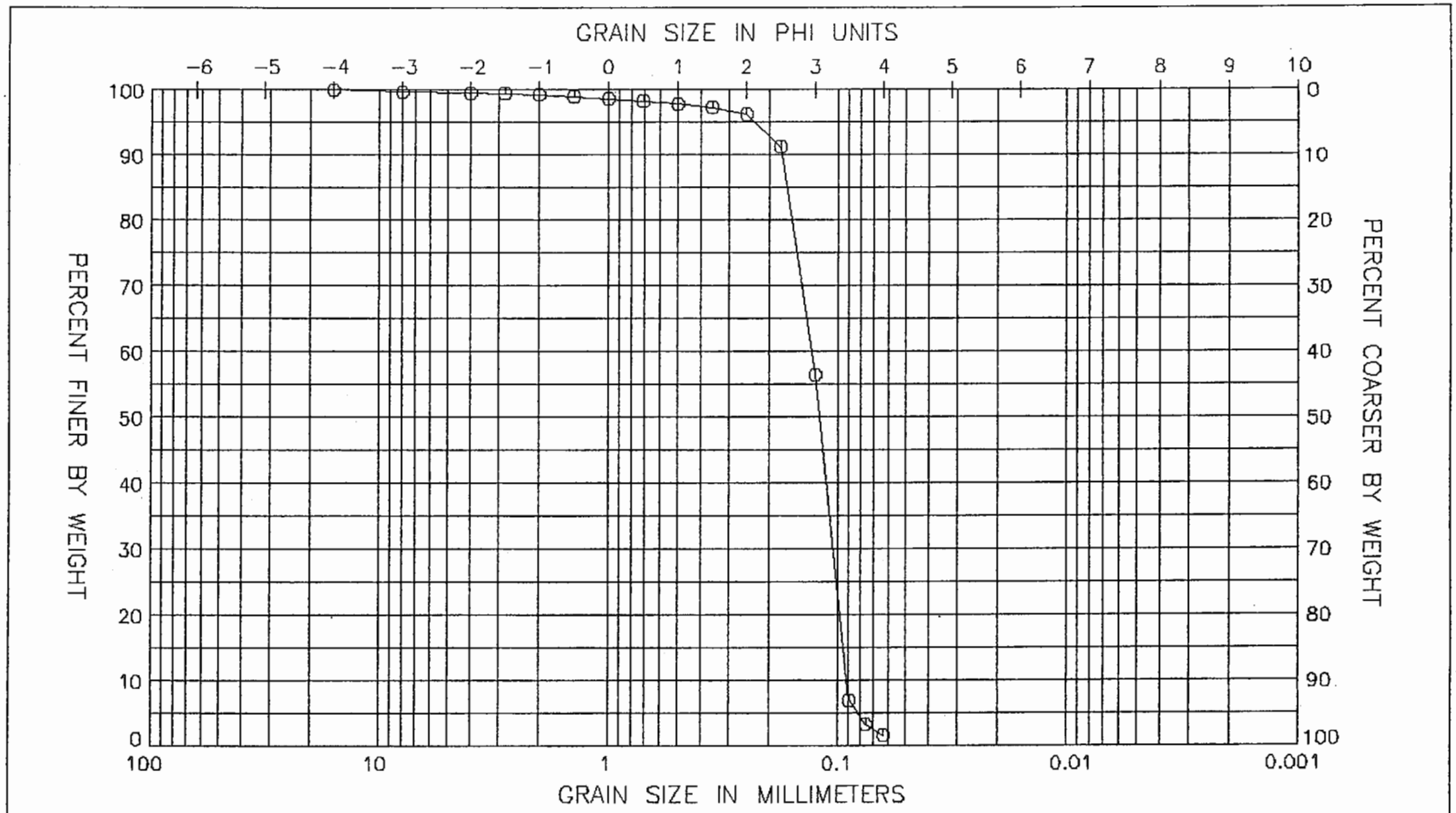
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 61#1 ①	-53.3	4.0	SP	0.14	0.13	0.68

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 61#2 ⓓ	-58.3	9.0	SP	0.13	0.13	0.69

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



WENTWORTH CLASSIFICATION

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

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 61#3 ①	-63.3	14.0	SP	0.13	0.12	0.71