

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

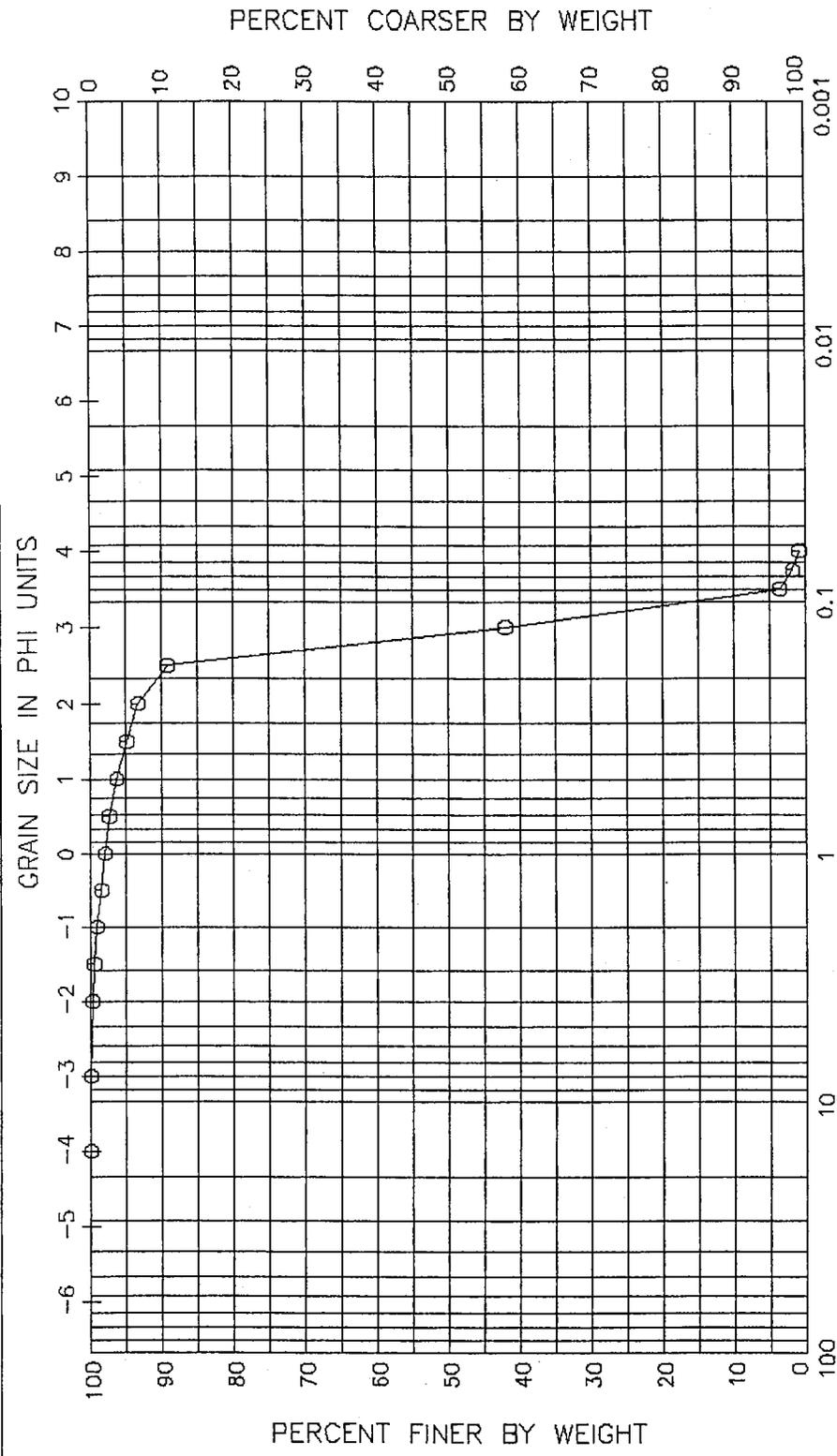
GRAPHIC METHOD

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

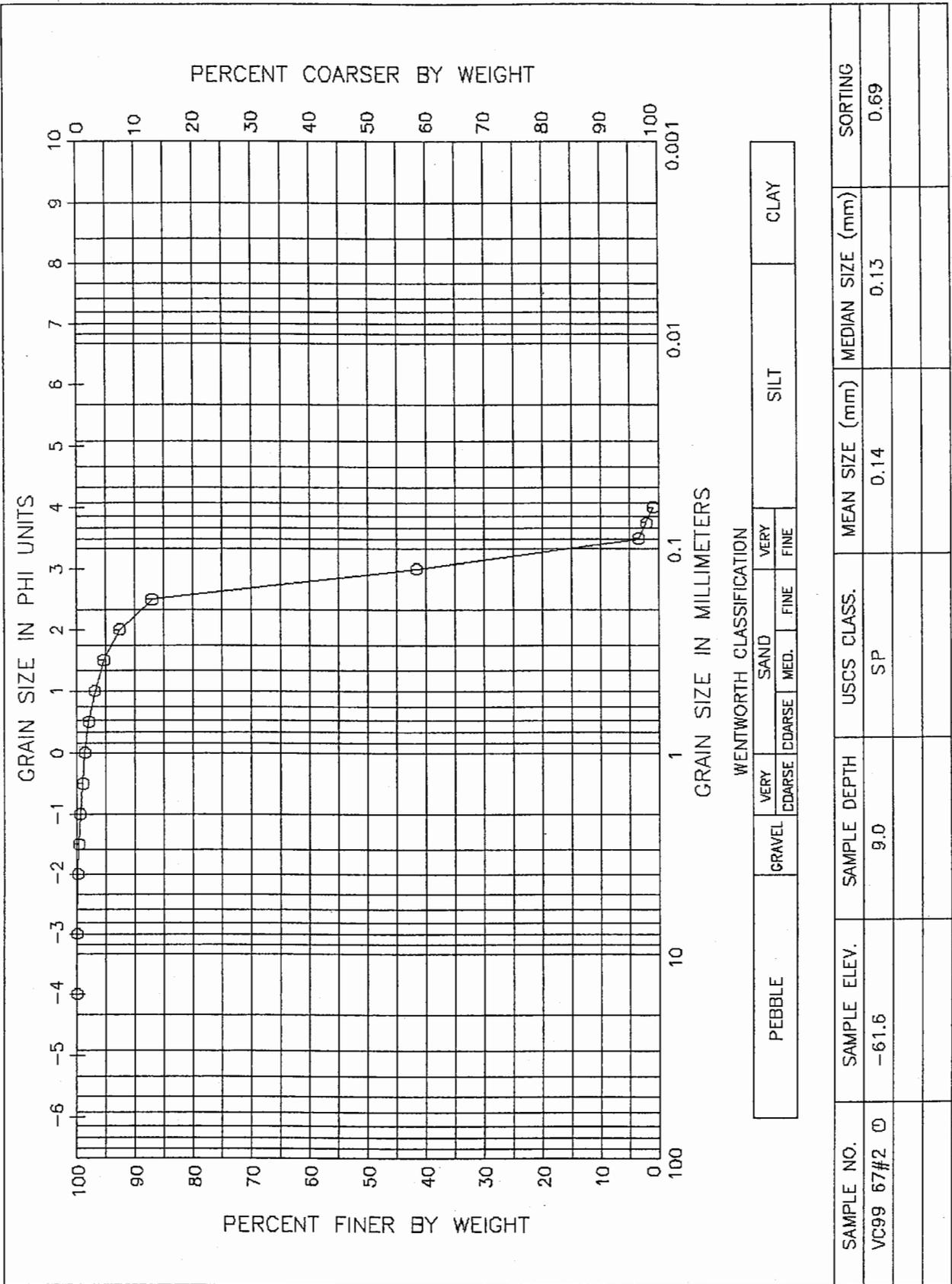


WENTWORTH CLASSIFICATION

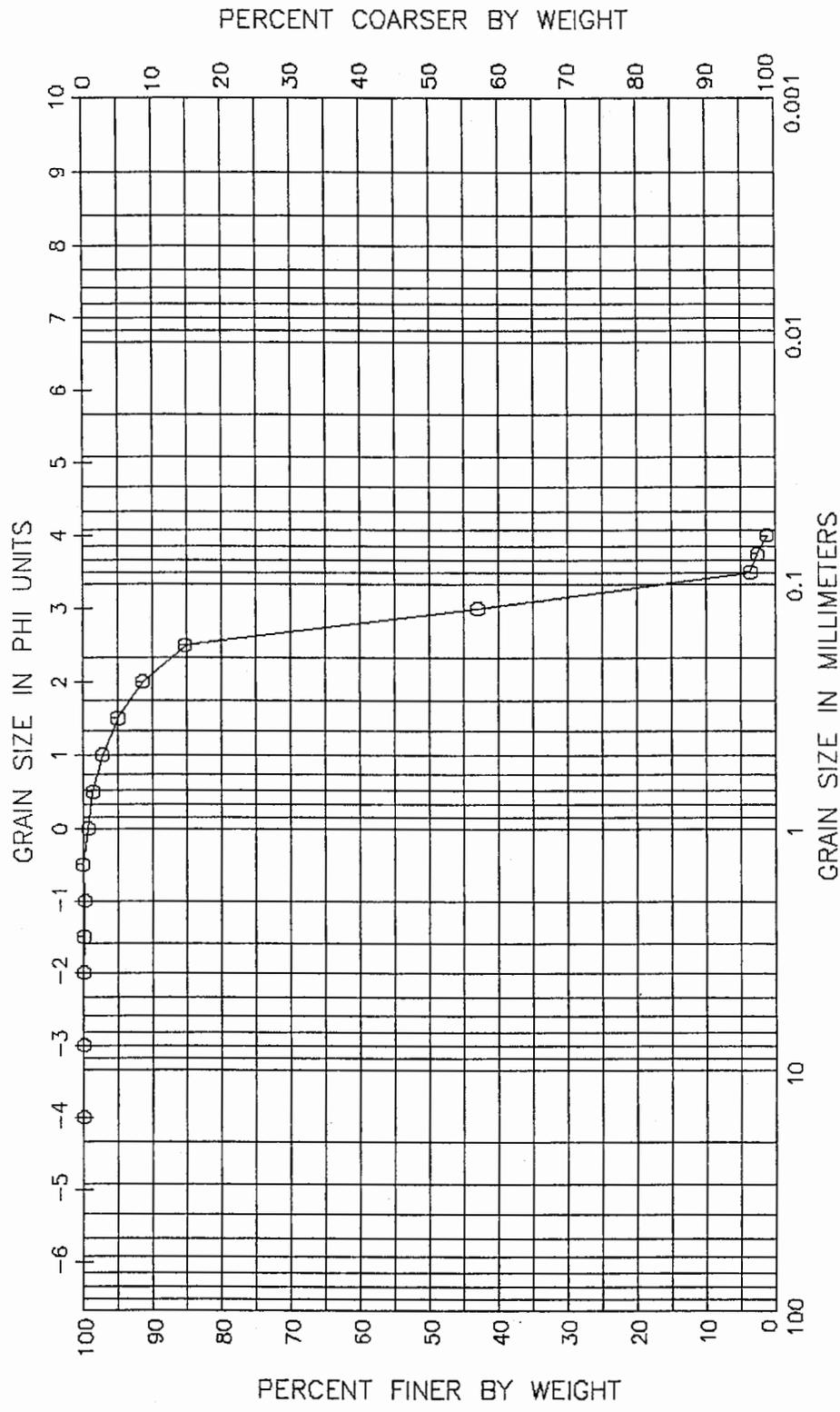
PEBBLE	GRAVEL	SAND			SILT	CLAY
		VERY COARSE	COARSE	VERY FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 57#1 0	-56.6	4.0	SP	0.14	0.13	0.75

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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 0	-66.6	14.0	SP	0.14	0.13	0.62

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH