

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

SAMPLE NO.: VC99 32#1
SAMPLE ELEV. (FT. NGVD): -36.5
SAMPLE DEPTH (FT.): .40
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 205.73
SAMPLE WEIGHT AFTER WASH (GRAMS): 203.45

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	2.45	1.19	98.81
7	-1.50	2.800	3.59	1.75	98.25
10	-1.00	2.000	5.32	2.59	97.41
14	-0.50	1.400	7.87	3.83	96.17
18	0.00	1.000	11.23	5.46	94.54
25	0.50	0.710	17.36	8.44	91.56
35	1.00	0.500	26.99	13.12	86.88
45	1.50	0.355	39.80	19.35	80.65
60	2.00	0.250	64.60	31.40	68.60
80	2.50	0.180	102.90	50.02	49.98
120	3.00	0.125	169.96	82.61	17.39
170	3.50	0.090	202.48	98.42	1.58
200	3.75	0.075	203.24	98.79	1.21
230	4.00	0.063	204.53	99.42	0.58
PAN			205.73	100.00	0.00

PHI (5): -0.14 PHI (16): 1.23 PHI (25): 1.73
PHI (50): 2.50 PHI (75): 2.88 PHI (84): 3.04
PHI (95): 3.39

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.21%
SKEWNESS: -0.964 KURTOSIS: 1.260

GRAPHIC METHOD

MEAN (PHI): 2.01 SORTING: 0.91
MEAN (mm): 0.25 MEDIAN (mm): 0.18
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.15 SORTING: 1.12
MEAN (mm): 0.23

DATA FILE NAME: VC99-32#1.TAB

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

SAMPLE NO.: VC99 32#2
 SAMPLE ELEV. (FT. NGVD): -40.1
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 206.99
 SAMPLE WEIGHT AFTER WASH (GRAMS): 204.04

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	0.12	0.06	99.94
5	-2.00	4.000	0.16	0.08	99.92
7	-1.50	2.800	0.17	0.08	99.92
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.42	0.20	99.80
18	0.00	1.000	0.62	0.30	99.70
25	0.50	0.710	1.02	0.49	99.51
35	1.00	0.500	2.10	1.01	98.99
45	1.50	0.355	4.77	2.30	97.70
60	2.00	0.250	13.21	6.38	93.62
80	2.50	0.180	43.68	21.10	78.90
120	3.00	0.125	152.15	73.51	26.49
170	3.50	0.090	202.62	97.89	2.11
200	3.75	0.075	203.65	98.39	1.61
230	4.00	0.063	205.36	99.21	0.79
PAN			206.98	100.00	0.00

PHI (5): 1.83 PHI (16): 2.33 PHI (25): 2.54
 PHI (50): 2.78 PHI (75): 3.03 PHI (84): 3.22
 PHI (95): 3.44

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.61%
 SKEWNESS: -0.315 KURTOSIS: 1.337

GRAPHIC METHOD
 MEAN (PHI): 2.72 SORTING: 0.44
 MEAN (mm): 0.15 MEDIAN (mm): 0.15
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.72 SORTING: 0.52
 MEAN (mm): 0.15

DATA FILE NAME: VC99-32#2.TAB

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

SAMPLE NO.: VC99 32#3
SAMPLE ELEV. (FT. NGVD): -45.1
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.68
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.57

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	0.01	0.00	100.00
7	-1.50	2.800	0.33	0.16	99.84
10	-1.00	2.000	0.73	0.36	99.64
14	-0.50	1.400	1.24	0.61	99.39
18	0.00	1.000	1.59	0.78	99.22
25	0.50	0.710	2.07	1.02	98.98
35	1.00	0.500	2.80	1.37	98.63
45	1.50	0.355	4.21	2.07	97.93
60	2.00	0.250	9.94	4.88	95.12
80	2.50	0.180	35.69	17.52	82.48
120	3.00	0.125	128.67	63.17	36.83
170	3.50	0.090	199.34	97.87	2.13
200	3.75	0.075	200.22	98.30	1.70
230	4.00	0.063	201.92	99.14	0.86
PAN			203.66	99.99	0.01

PHI (5): 2.00 PHI (16): 2.44 PHI (25): 2.58
PHI (50): 2.86 PHI (75): 3.17 PHI (84): 3.30
PHI (95): 3.46

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.70%
SKEWNESS: -0.288 KURTOSIS: 1.012

GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.43
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.79 SORTING: 0.56
MEAN (mm): 0.14

DATA FILE NAME: VC99-32#3.TAB

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

SAMPLE NO.: VC99 32#4
 SAMPLE ELEV. (FT. NGVD): -50.1
 SAMPLE DEPTH (FT.): 14.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 200.41
 SAMPLE WEIGHT AFTER WASH (GRAMS): 197.64

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	0.00	0.00	100.00
7	-1.50	2.800	0.09	0.04	99.96
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.50	0.25	99.75
18	0.00	1.000	0.79	0.39	99.61
25	0.50	0.710	1.11	0.55	99.45
35	1.00	0.500	1.77	0.88	99.12
45	1.50	0.355	3.28	1.64	98.36
60	2.00	0.250	9.09	4.54	95.46
80	2.50	0.180	35.17	17.55	82.45
120	3.00	0.125	135.69	67.71	32.29
170	3.50	0.090	196.11	97.85	2.15
200	3.75	0.075	197.21	98.40	1.60
230	4.00	0.063	198.80	99.20	0.80
PAN			200.42	100.00	0.00

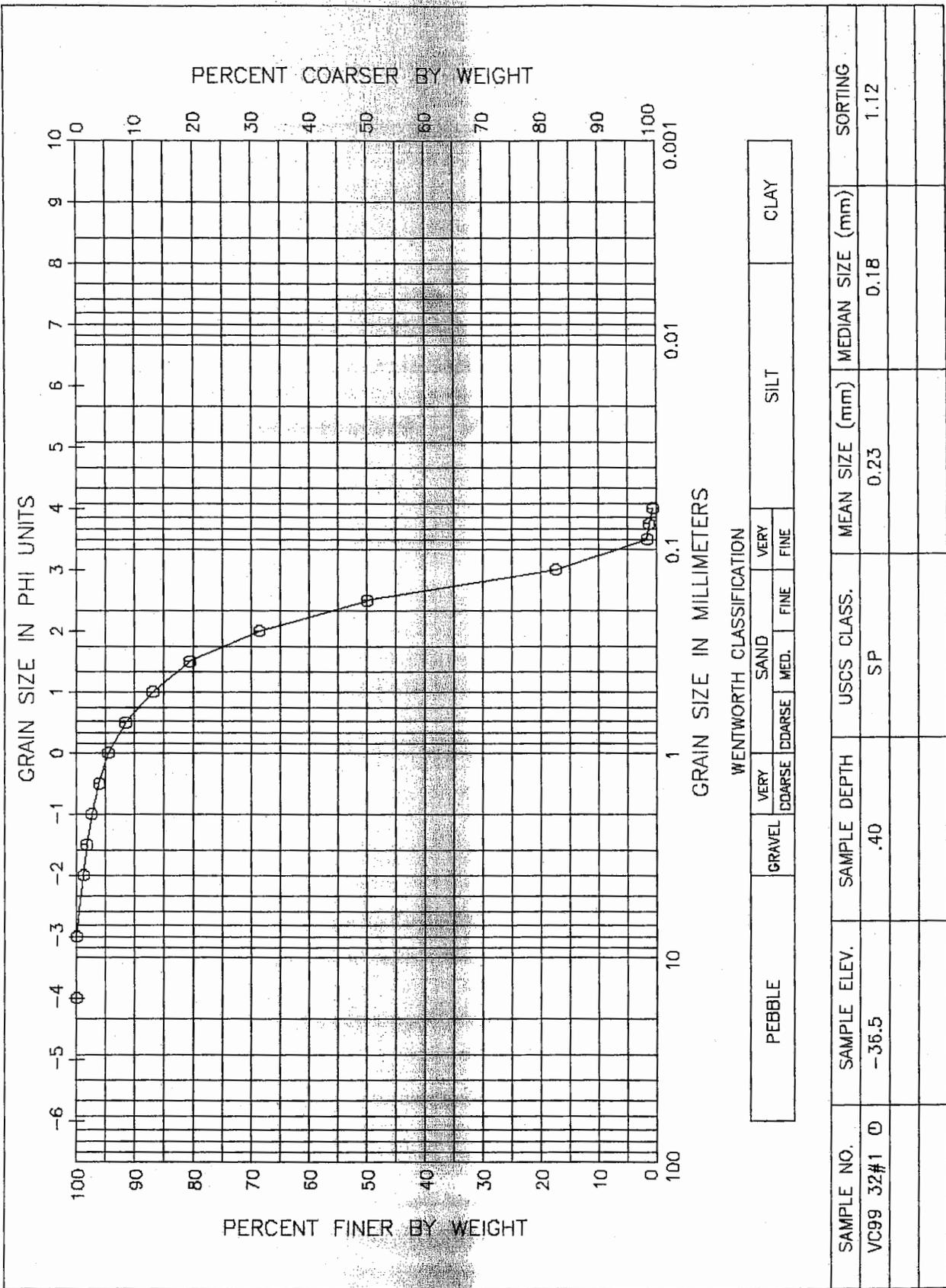
PHI (5): 2.02 PHI (16): 2.44 PHI (25): 2.57
 PHI (50): 2.82 PHI (75): 3.12 PHI (84): 3.27
 PHI (95): 3.45

SIEVE LOSS (g): -0.01 SILT/CLAY: 1.60%
 SKEWNESS: -0.213 KURTOSIS: 1.076

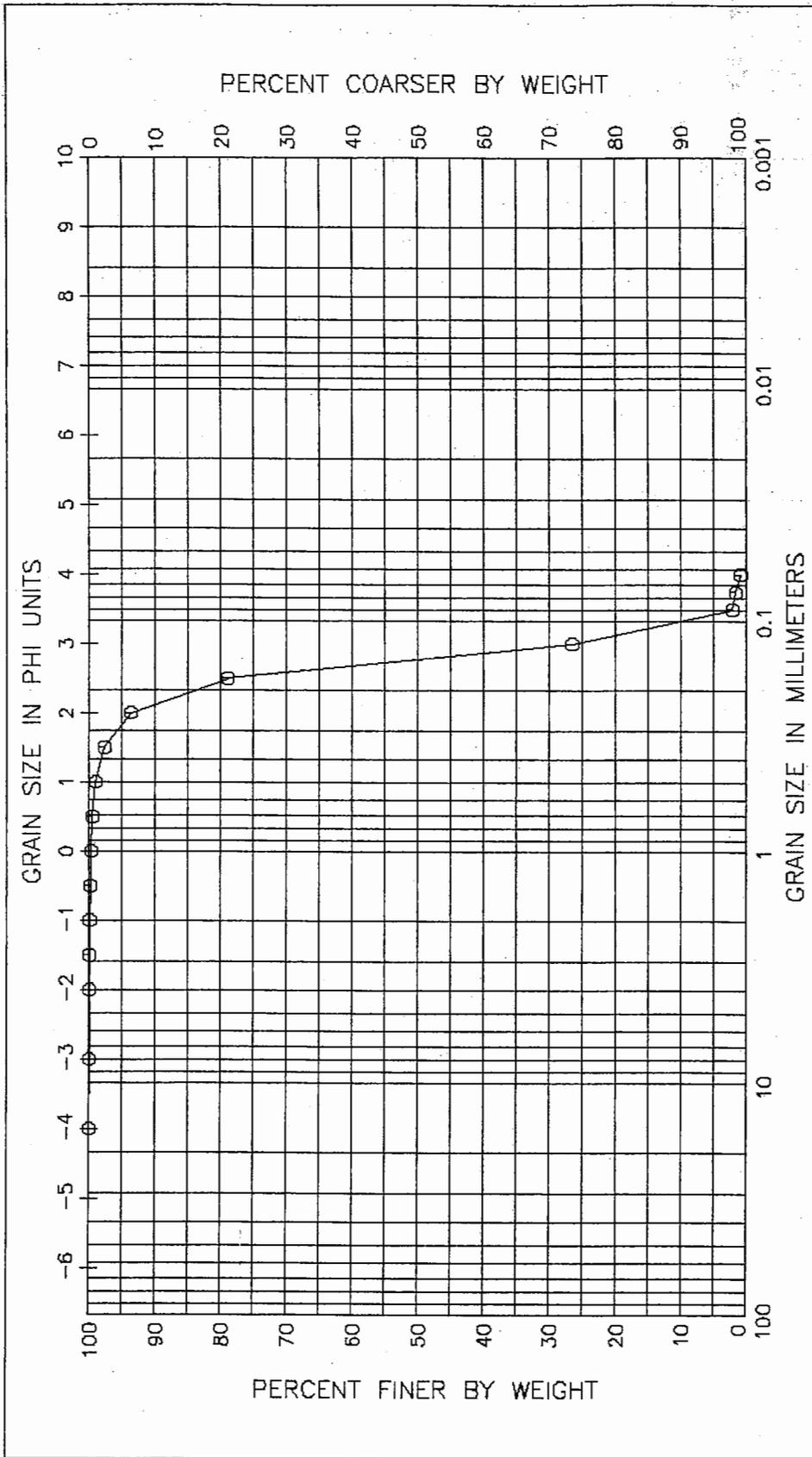
GRAPHIC METHOD
 MEAN (PHI): 2.80 SORTING: 0.41
 MEAN (mm) : 0.14 MEDIAN (mm): 0.14
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.78 SORTING: 0.49
 MEAN (mm) : 0.15

DATA FILE NAME: VC99-32#4.TAB

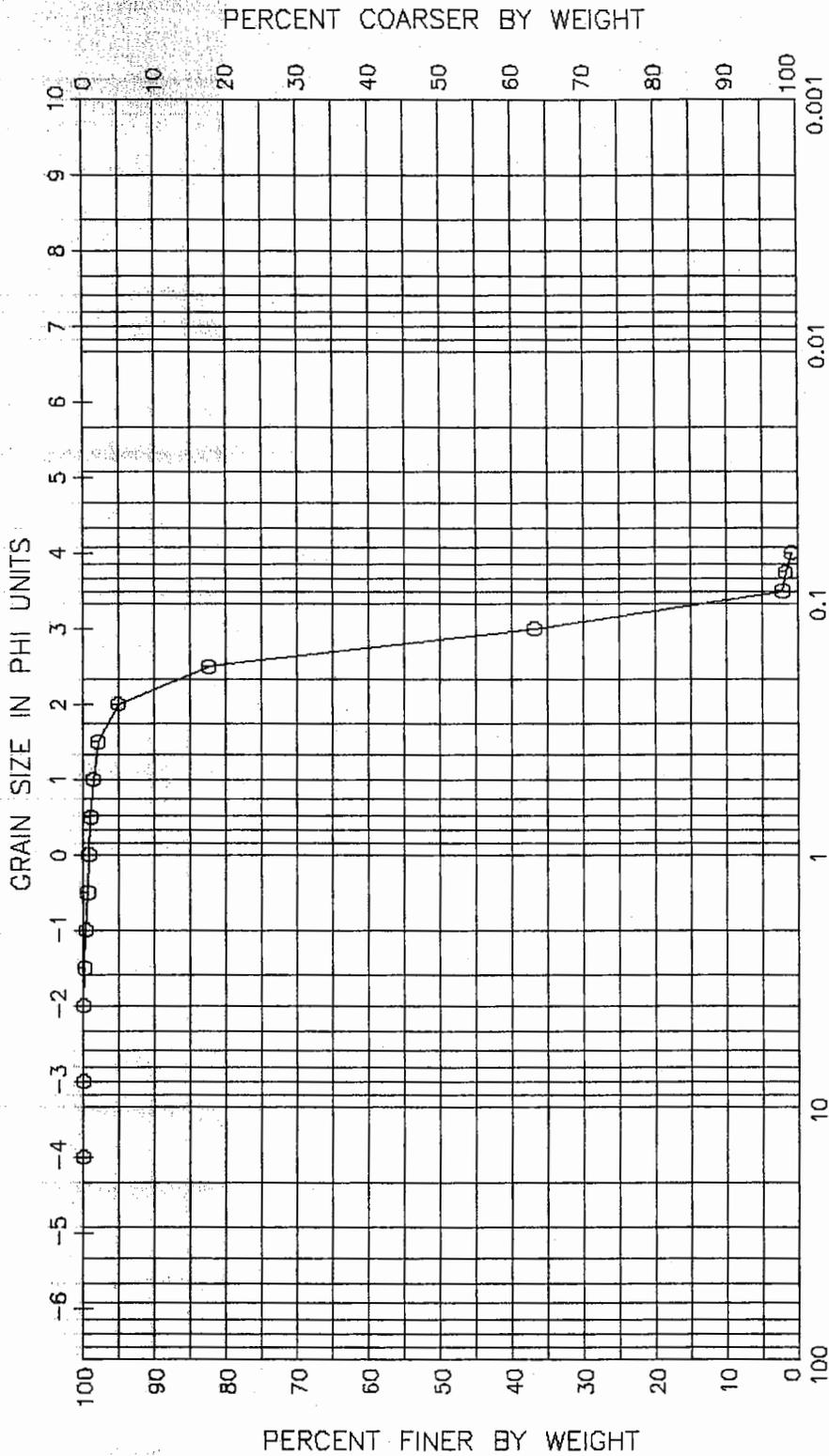


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



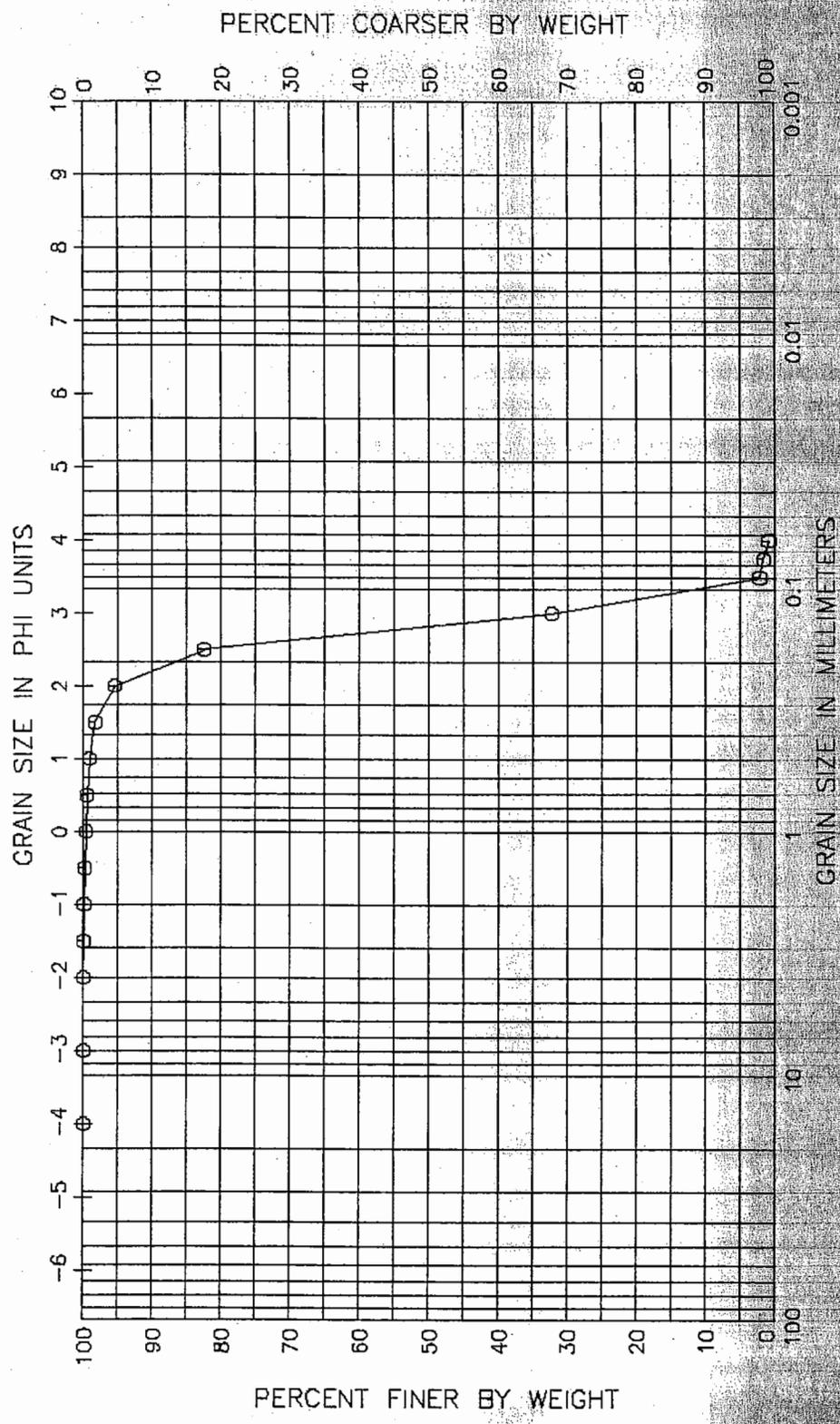
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 32#2 0	-40.1	4.0	SP	0.15	0.15	0.52

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 32#3 0	-45.1	9.0	SP	0.14	0.14	0.56

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH