

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 31#1
SAMPLE ELEV. (FT. NGVD): -50.6
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 177.35
SAMPLE WEIGHT AFTER WASH (GRAMS): 175.06

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	0.29	0.16	99.84
7	-1.50	2.800	0.48	0.27	99.73
10	-1.00	2.000	0.71	0.40	99.60
14	-0.50	1.400	1.13	0.64	99.36
18	0.00	1.000	1.75	0.99	99.01
25	0.50	0.710	2.61	1.47	98.53
35	1.00	0.500	4.19	2.36	97.64
45	1.50	0.355	6.53	3.68	96.32
60	2.00	0.250	9.77	5.51	94.49
80	2.50	0.180	19.83	11.18	88.82
120	3.00	0.125	113.69	64.10	35.90
170	3.50	0.090	173.61	97.89	2.11
200	3.75	0.075	174.81	98.57	1.43
230	4.00	0.063	176.10	99.29	0.71
PAN			177.33	99.99	0.01

PHI(5): 1.86 PHI(16): 2.55 PHI(25): 2.63
PHI(50): 2.87 PHI(75): 3.16 PHI(84): 3.29
PHI(95): 3.46

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.43%
SKEWNESS: -0.555 KURTOSIS: 1.233

GRAPHIC METHOD

MEAN (PHI): 2.80 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.80 SORTING: 0.61
MEAN (mm): 0.14

DATA FILE NAME: VC99-31#1.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: VC99 31#2
SAMPLE ELEV. (FT. NGVD): -52.8
SAMPLE DEPTH (FT.): 4.2
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 197.19
SAMPLE WEIGHT AFTER WASH (GRAMS): 194.29

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	7.29	3.70	96.30
5	-2.00	4.000	16.87	8.56	91.44
7	-1.50	2.800	22.21	11.26	88.74
10	-1.00	2.000	27.99	14.19	85.81
14	-0.50	1.400	35.95	18.23	81.77
18	0.00	1.000	44.01	22.32	77.68
25	0.50	0.710	54.02	27.39	72.61
35	1.00	0.500	69.39	35.19	64.81
45	1.50	0.355	86.24	43.73	56.27
60	2.00	0.250	99.16	50.29	49.71
80	2.50	0.180	110.05	55.81	44.19
120	3.00	0.125	157.57	79.91	20.09
170	3.50	0.090	192.47	97.61	2.39
200	3.75	0.075	193.60	98.18	1.82
230	4.00	0.063	195.49	99.14	0.86
PAN			197.17	99.99	0.01

PHI(5): -2.73 PHI(16): -0.78 PHI(25): 0.26
PHI(50): 1.98 PHI(75): 2.90 PHI(84): 3.12
PHI(95): 3.43

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.82%
SKEWNESS: -0.838 KURTOSIS: 0.958

GRAPHIC METHOD

MEAN (PHI): 1.00 SORTING: 1.95
MEAN (mm) : 0.50 MEDIAN (mm): 0.25
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.35 SORTING: 1.93
MEAN (mm) : 0.39

DATA FILE NAME: VC99-31#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 31#3
SAMPLE ELEV. (FT. NGVD): -57.6
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 164.19
SAMPLE WEIGHT AFTER WASH (GRAMS): 161.28

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	0.07	0.04	99.96
7	-1.50	2.800	0.19	0.12	99.88
10	-1.00	2.000	0.49	0.30	99.70
14	-0.50	1.400	0.94	0.57	99.43
18	0.00	1.000	1.42	0.86	99.14
25	0.50	0.710	2.31	1.41	98.59
35	1.00	0.500	3.44	2.10	97.90
45	1.50	0.355	4.79	2.92	97.08
60	2.00	0.250	7.42	4.52	95.48
80	2.50	0.180	17.36	10.57	89.43
120	3.00	0.125	85.59	52.13	47.87
170	3.50	0.090	158.08	96.28	3.72
200	3.75	0.075	160.80	97.94	2.06
230	4.00	0.063	162.65	99.06	0.94
PAN			164.17	99.99	0.01

PHI (5): 2.04 PHI (16): 2.57 PHI (25): 2.67
PHI (50): 2.97 PHI (75): 3.26 PHI (84): 3.36
PHI (95): 3.49

SIEVE LOSS (g): 0.02 SILT/CLAY: 2.06%
SKEWNESS: -0.532 KURTOSIS: 1.012

GRAPHIC METHOD

MEAN (PHI): 2.89 SORTING: 0.40
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88 SORTING: 0.59
MEAN (mm): 0.14

DATA FILE NAME: VC99-31#3.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
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SAMPLE NO.: VC99-31 #4
SAMPLE ELEV. (FT. NGVD): -64.1
SAMPLE DEPTH (FT.): 15.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 173.79
SAMPLE WEIGHT AFTER WASH (GRAMS): 168.04

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	12.62	7.26	92.74
5	-2.00	4.000	17.65	10.16	89.84
7	-1.50	2.800	20.94	12.05	87.95
10	-1.00	2.000	25.31	14.56	85.44
14	-0.50	1.400	35.18	20.24	79.76
18	0.00	1.000	46.59	26.81	73.19
25	0.50	0.710	63.49	36.53	63.47
35	1.00	0.500	80.30	46.21	53.79
45	1.50	0.355	89.17	51.31	48.69
60	2.00	0.250	94.64	54.46	45.54
80	2.50	0.180	104.04	59.87	40.13
120	3.00	0.125	139.11	80.04	19.96
170	3.50	0.090	165.17	95.04	4.96
200	3.75	0.075	167.11	96.16	3.84
230	4.00	0.063	170.74	98.25	1.75
PAN			173.79	100.00	0.00

PHI (5): -3.31 PHI (16): -0.87 PHI (25): -0.14
PHI (50): 1.37 PHI (75): 2.88 PHI (84): 3.13
PHI (95): 3.50

SIEVE LOSS (g): 0.00 SILT/CLAY: 3.84%
SKEWNESS: -0.638 KURTOSIS: 0.926

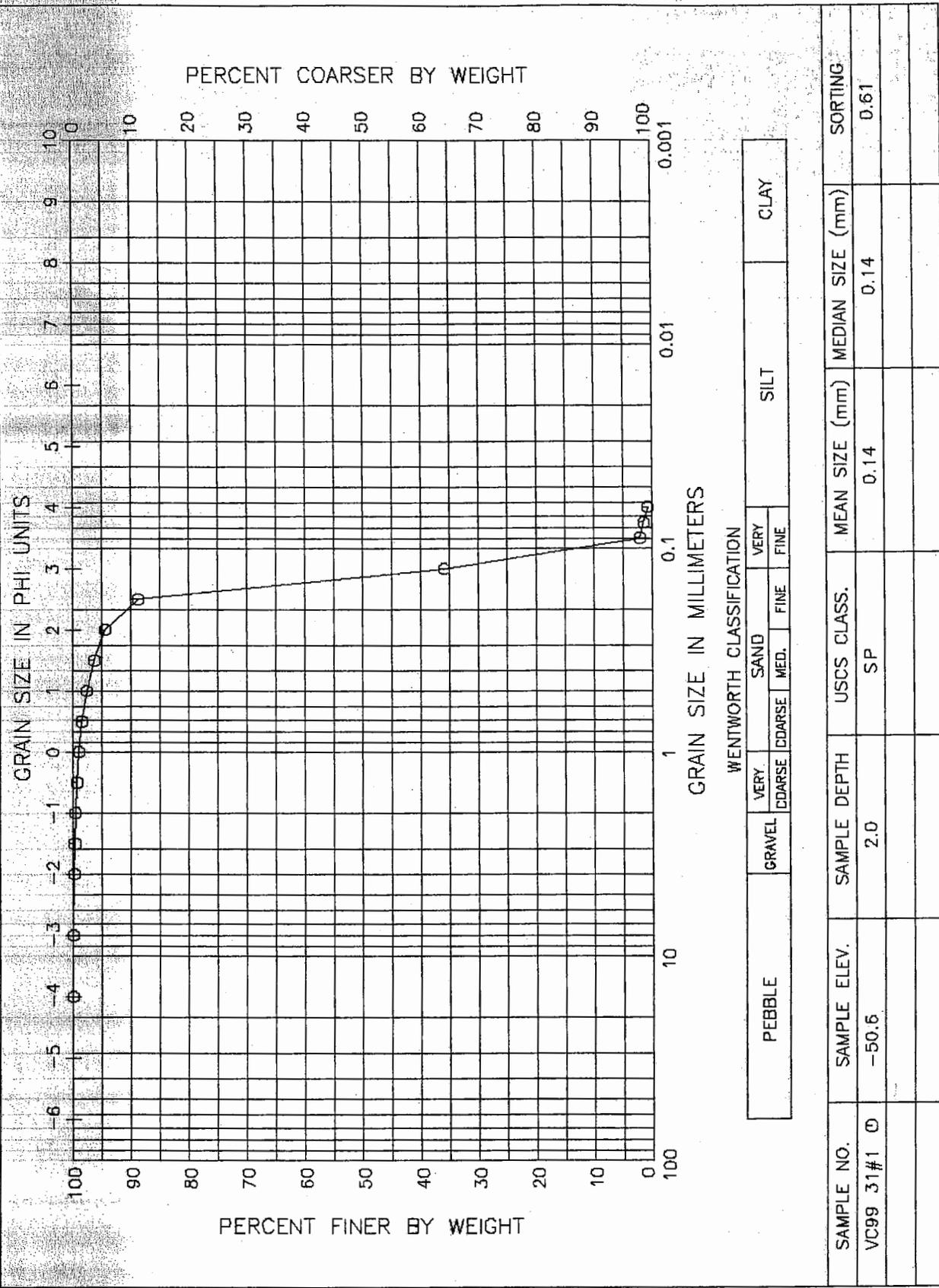
GRAPHIC METHOD

MEAN (PHI): 0.76 SORTING: 2.00
MEAN (mm): 0.59 MEDIAN (mm): 0.39
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

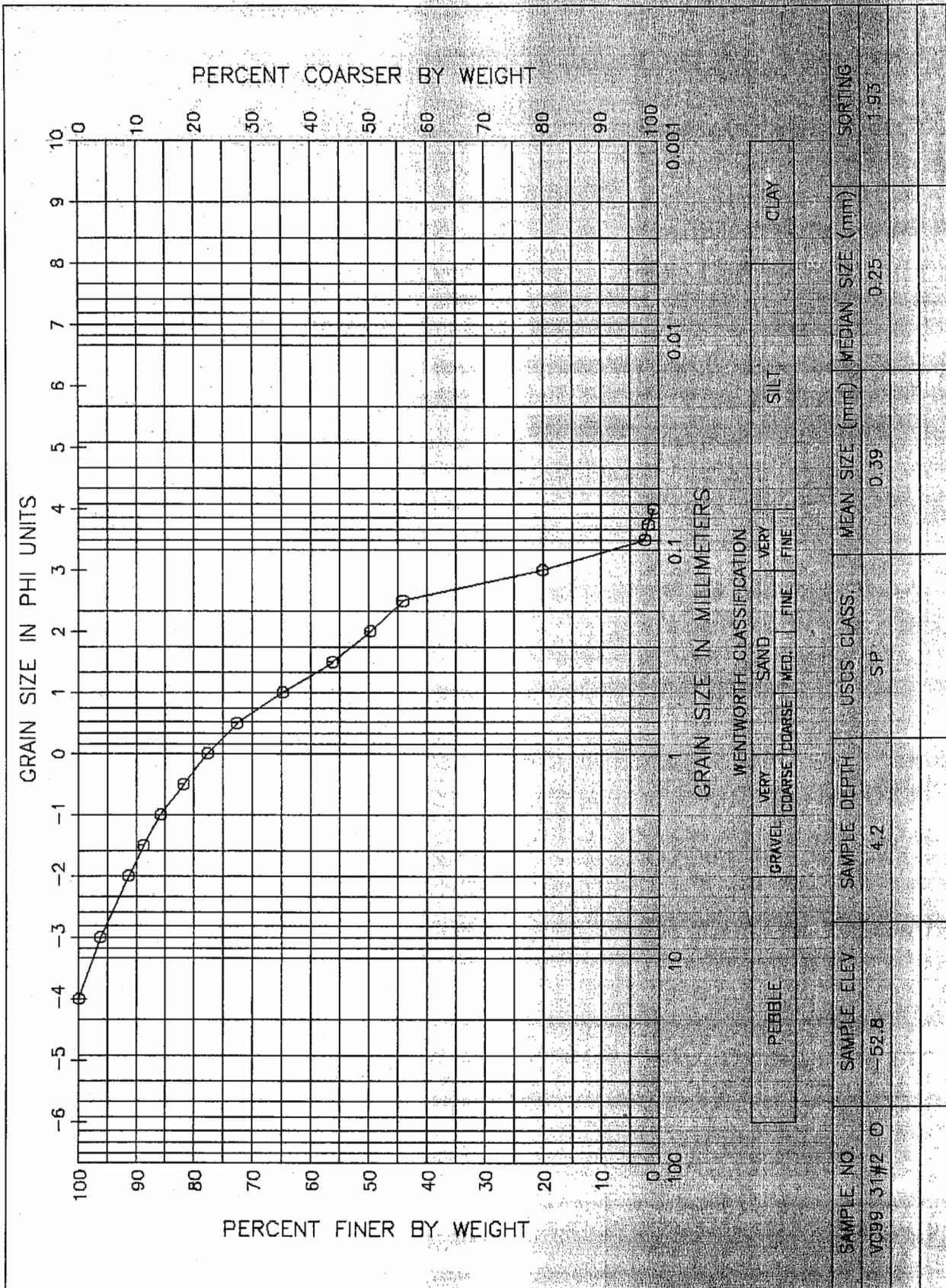
MOMENT METHOD

MEAN (PHI): 1.07 SORTING: 2.06
MEAN (mm): 0.48

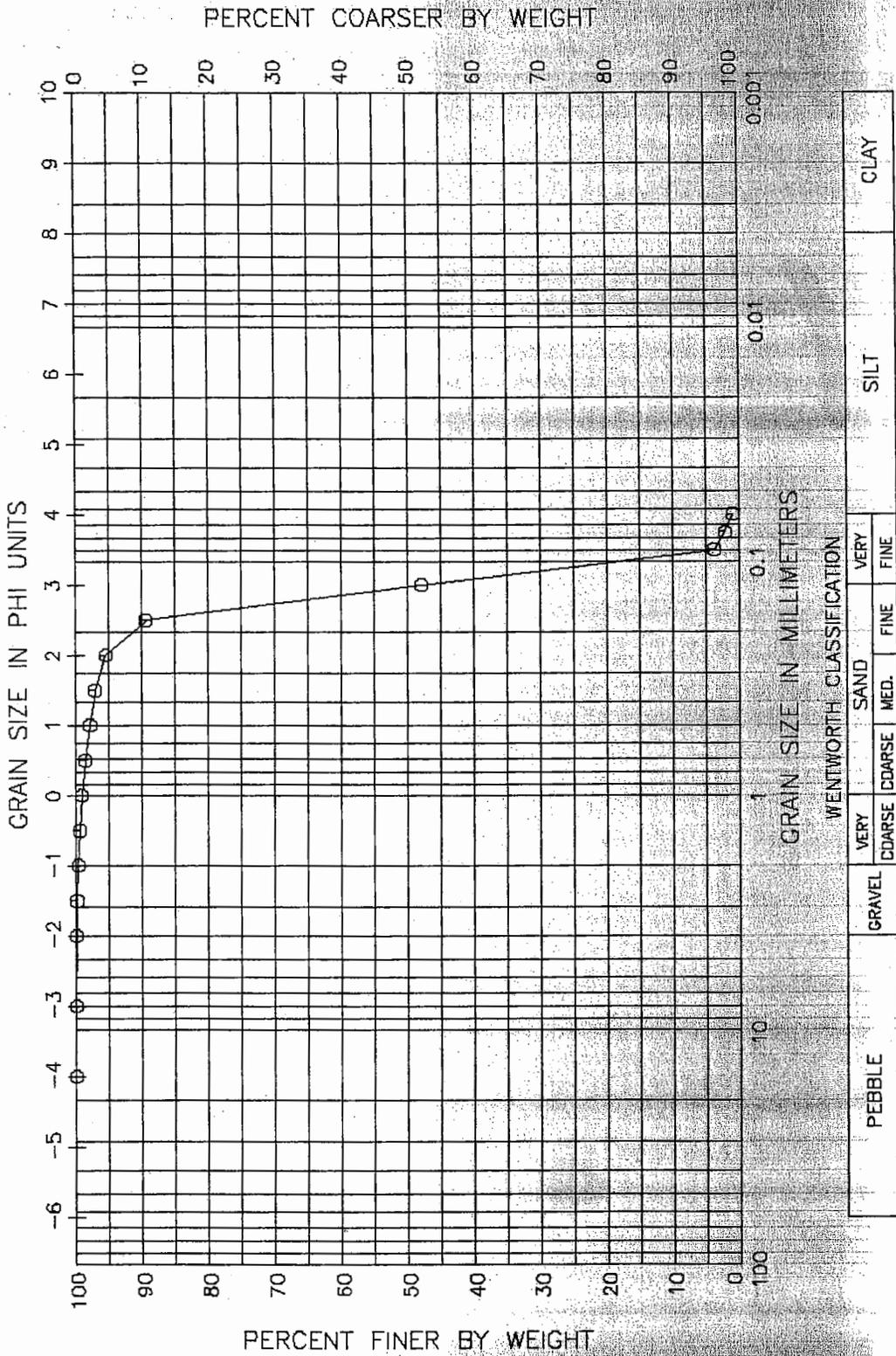
DATA FILE NAME: VC99-31#4.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

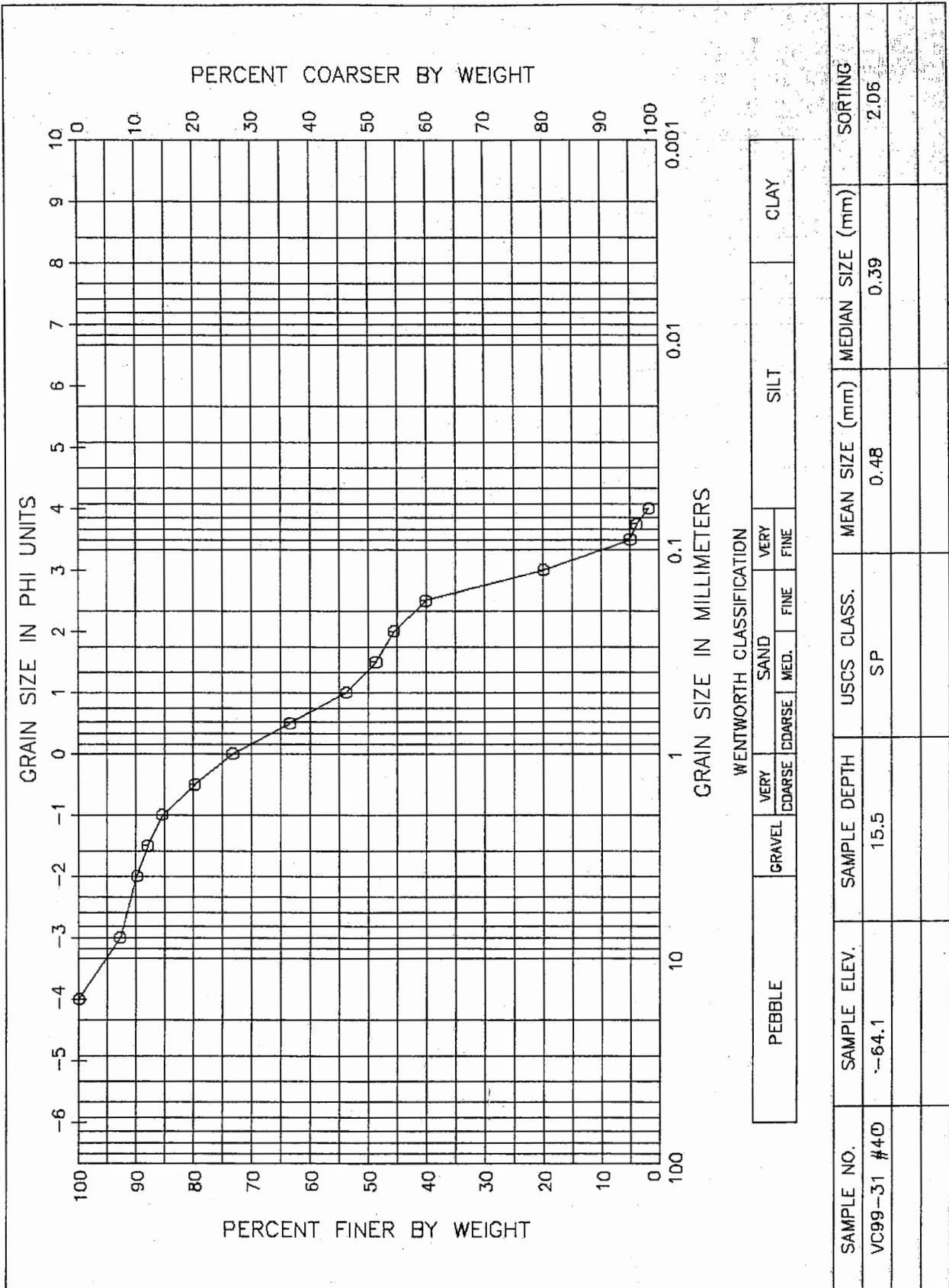


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH.	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 31#3 0	-57.6	9.0	SP	0.14	0.13	0.59

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH