

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 50#1
 SAMPLE ELEV. (FT. NGVD): -47.2
 SAMPLE DEPTH (FT.): 3.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 80.05
 SAMPLE WEIGHT AFTER WASH (GRAMS): 78.95

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	0.01	99.99
7	-1.50	2.800	0.04	0.05	99.95
10	-1.00	2.000	0.14	0.17	99.83
14	-0.50	1.400	0.21	0.26	99.74
18	0.00	1.000	0.31	0.39	99.61
25	0.50	0.710	0.47	0.59	99.41
35	1.00	0.500	0.67	0.84	99.16
45	1.50	0.355	0.94	1.17	98.83
60	2.00	0.250	1.53	1.91	98.09
80	2.50	0.180	5.37	6.71	93.29
120	3.00	0.125	48.99	61.20	38.80
170	3.50	0.090	77.72	97.09	2.91
200	3.75	0.075	78.92	98.59	1.41
230	4.00	0.063	79.47	99.28	0.72
PAN			80.05	100.00	0.00

PHI(5): 2.32 PHI(16): 2.59 PHI(25): 2.67
 PHI(50): 2.90 PHI(75): 3.19 PHI(84): 3.32
 PHI(95): 3.47

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.41%
 SKEWNESS: -0.002 KURTOSIS: 0.898

GRAPHIC METHOD

MEAN (PHI): 2.92 SORTING: 0.37
 MEAN (mm): 0.13 MEDIAN (mm): 0.13
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.89 SORTING: 0.44
 MEAN (mm): 0.13

DATA FILE NAME: VC99-50#1.TAB

GRADATION ANALYSIS REPORT
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TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 50#2
SAMPLE ELEV. (FT. NGVD): -53.2
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 83.27
SAMPLE WEIGHT AFTER WASH (GRAMS): 81.79

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	0.04	0.05	99.95
7	-1.50	2.800	0.42	0.50	99.50
10	-1.00	2.000	2.48	2.98	97.02
14	-0.50	1.400	4.80	5.76	94.24
18	0.00	1.000	6.37	7.65	92.35
25	0.50	0.710	8.03	9.64	90.36
35	1.00	0.500	9.65	11.59	88.41
45	1.50	0.355	11.07	13.29	86.71
60	2.00	0.250	13.05	15.67	84.33
80	2.50	0.180	20.76	24.93	75.07
120	3.00	0.125	58.55	70.31	29.69
170	3.50	0.090	80.65	96.85	3.15
200	3.75	0.075	80.65	96.85	3.15
230	4.00	0.063	81.40	97.75	2.25
PAN			83.25	99.98	0.02

PHI (5): -0.64 PHI (16): 2.02 PHI (25): 2.50
PHI (50): 2.78 PHI (75): 3.09 PHI (84): 3.26
PHI (95): 3.47

SIEVE LOSS (g): 0.02 SILT/CLAY: 3.15%
SKEWNESS: -2.197 KURTOSIS: 2.862

GRAPHIC METHOD

MEAN (PHI): 2.18 SORTING: 0.62
MEAN (mm): 0.22 MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.43 SORTING: 1.14
MEAN (mm): 0.19

DATA FILE NAME: VC99-50#2.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: VC99 50#3
 SAMPLE ELEV. (FT. NGVD): -56.2
 SAMPLE DEPTH (FT.): 12.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLe WEIGHT (GRAMS): 98.03
 SAMPLe WEIGHT AFTER WASH (GRAMS): 94.93

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	0.09	0.09	99.91
7	-1.50	2.800	0.68	0.69	99.31
10	-1.00	2.000	1.33	1.36	98.64
14	-0.50	1.400	2.46	2.51	97.49
18	0.00	1.000	3.48	3.55	96.45
25	0.50	0.710	4.42	4.51	95.49
35	1.00	0.500	5.45	5.56	94.44
45	1.50	0.355	6.24	6.37	93.63
60	2.00	0.250	8.01	8.17	91.83
80	2.50	0.180	14.51	14.80	85.20
120	3.00	0.125	53.78	54.86	45.14
170	3.50	0.090	93.41	95.29	4.71
200	3.75	0.075	94.52	96.42	3.58
230	4.00	0.063	96.26	98.19	1.81
PAN			97.98	99.95	0.05

PHI (5): 0.73 PHI (16): 2.51 PHI (25): 2.63
 PHI (50): 2.94 PHI (75): 3.25 PHI (84): 3.36
 PHI (95): 3.50

SIEVE LOSS (g): 0.05 SILT/CLAY: 3.58%
 SKEWNESS: -1.950 KURTOSIS: 1.821

GRAPHIC METHOD

MEAN (PHI): 2.61 SORTING: 0.42
 MEAN (mm) : 0.16 MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.74 SORTING: 0.89
 MEAN (mm) : 0.15

DATA FILE NAME: VC99-50#3.TAB

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SAMPLE NO.: VC99 50#4
SAMPLE ELEV. (FT. NGVD): -62.2
SAMPLE DEPTH (FT.): 18.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 97.06
SAMPLE WEIGHT AFTER WASH (GRAMS): 93.68

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	0.21	0.22	99.78
7	-1.50	2.800	0.49	0.50	99.50
10	-1.00	2.000	1.23	1.27	98.73
14	-0.50	1.400	1.86	1.92	98.08
18	0.00	1.000	2.27	2.34	97.66
25	0.50	0.710	2.73	2.81	97.19
35	1.00	0.500	3.25	3.35	96.65
45	1.50	0.355	3.92	4.04	95.96
60	2.00	0.250	5.36	5.52	94.48
80	2.50	0.180	10.85	11.18	88.82
120	3.00	0.125	60.37	62.20	37.80
170	3.50	0.090	91.82	94.60	5.40
200	3.75	0.075	93.29	96.12	3.88
230	4.00	0.063	95.17	98.05	1.95
PAN			97.04	99.98	0.02

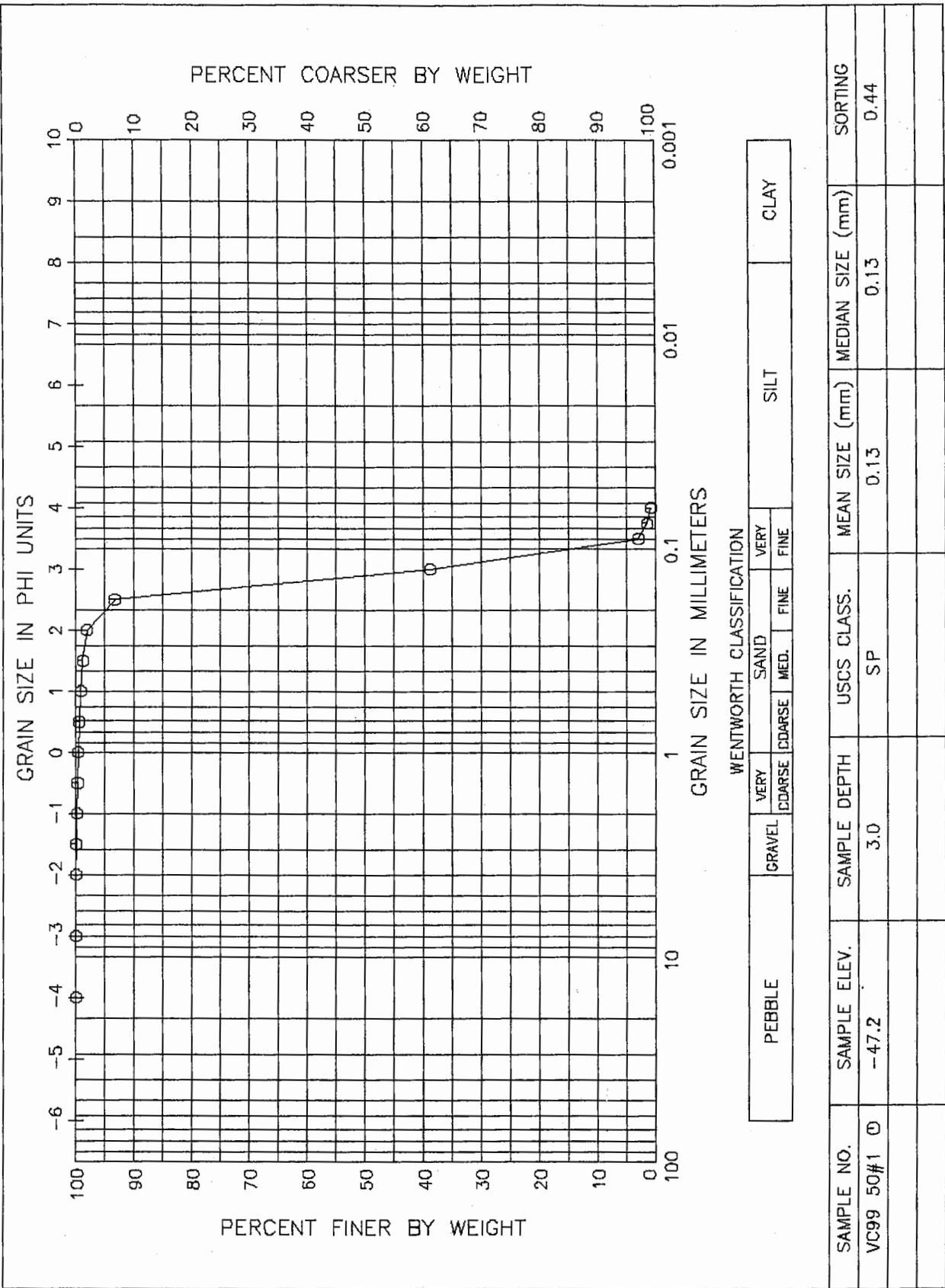
PHI(5): 1.82 PHI(16): 2.55 PHI(25): 2.64
PHI(50): 2.88 PHI(75): 3.20 PHI(84): 3.34
PHI(95): 3.57

SIEVE LOSS (g): 0.02 SILT/CLAY: 3.88%
SKEWNESS: -0.470 KURTOSIS: 1.270

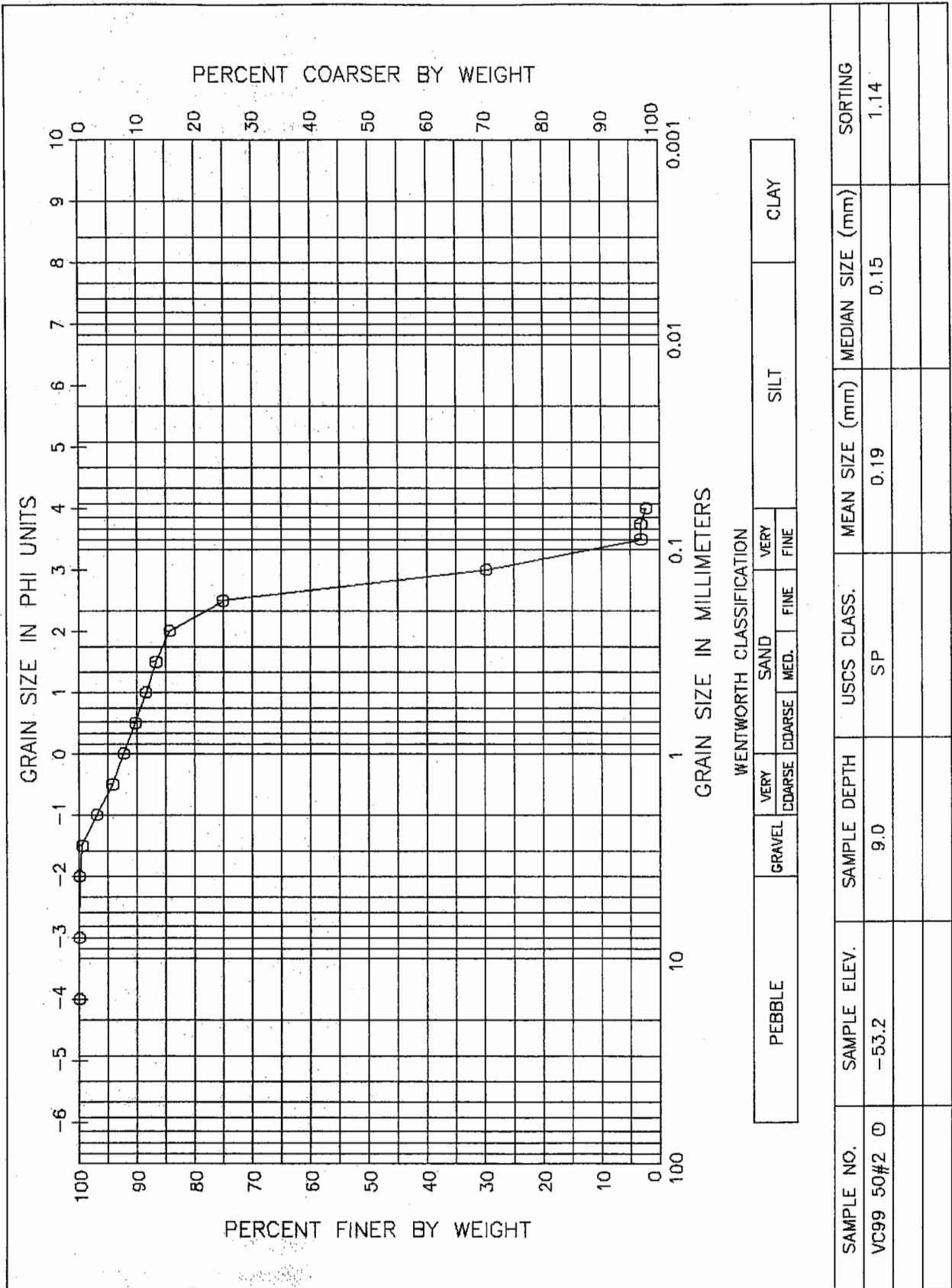
GRAPHIC METHOD
MEAN (PHI): 2.83 SORTING: 0.39
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.78 SORTING: 0.76
MEAN (mm): 0.15

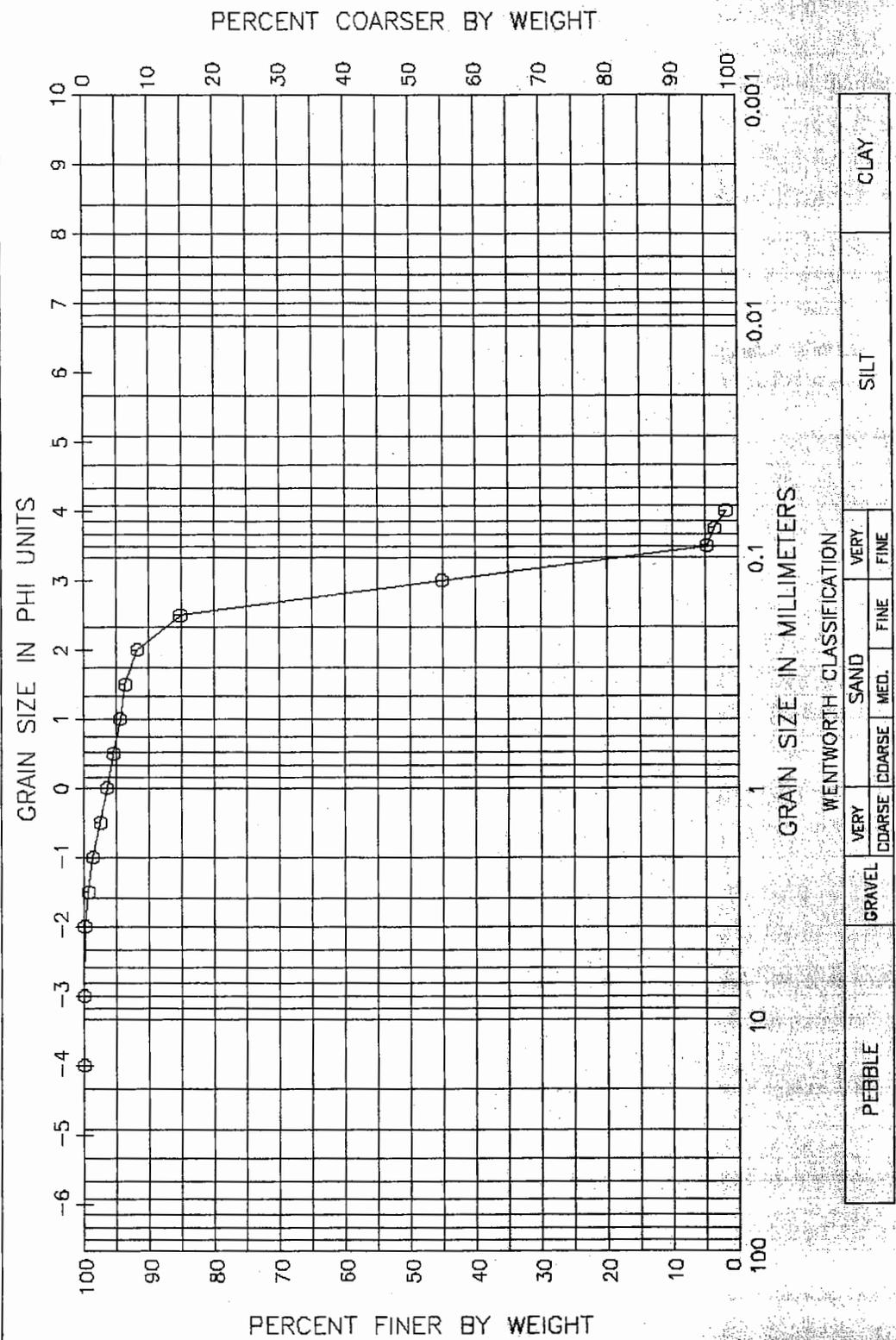
DATA FILE NAME: VC99-50#4.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

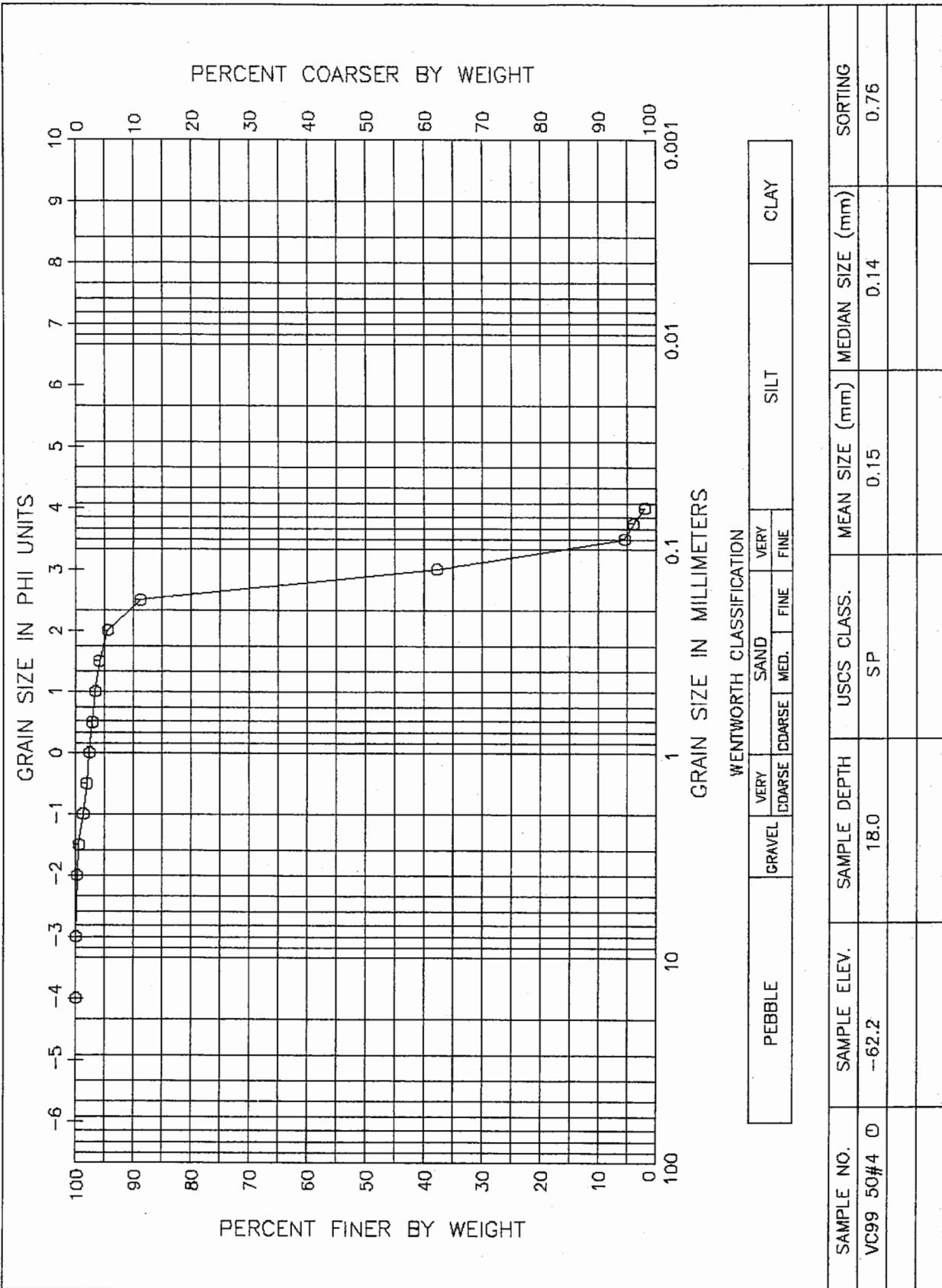


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 50#3 0	-56.2	12.0	SP	0.15	0.13	0.89

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
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