

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 86#1
SAMPLE ELEV. (FT. NGVD): -43.7
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 215.51
SAMPLE WEIGHT AFTER WASH (GRAMS): 212.54

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	0.57	0.26	99.74
7	-1.50	2.800	1.19	0.55	99.45
10	-1.00	2.000	1.44	0.67	99.33
14	-0.50	1.400	1.83	0.85	99.15
18	0.00	1.000	2.41	1.12	98.88
25	0.50	0.710	3.28	1.52	98.48
35	1.00	0.500	5.16	2.39	97.61
45	1.50	0.355	8.16	3.79	96.21
60	2.00	0.250	15.31	7.10	92.90
80	2.50	0.180	36.14	16.77	83.23
120	3.00	0.125	140.43	65.16	34.84
170	3.50	0.090	211.14	97.97	2.03
200	3.75	0.075	212.28	98.50	1.50
230	4.00	0.063	213.93	99.27	0.73
PAN			215.51	100.00	0.00

PHI(5): 1.68 PHI(16): 2.46 PHI(25): 2.59
PHI(50): 2.84 PHI(75): 3.15 PHI(84): 3.29
PHI(95): 3.45

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.50%
SKEWNESS: -0.664 KURTOSIS: 1.285

GRAPHIC METHOD

MEAN (PHI): 2.75 SORTING: 0.41
MEAN (mm): 0.15 MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.75 SORTING: 0.67
MEAN (mm): 0.15

DATA FILE NAME: VC99-86#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 86#2
SAMPLE ELEV. (FT. NGVD): -46.2
SAMPLE DEPTH (FT.): 3.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 185.75
SAMPLE WEIGHT AFTER WASH (GRAMS): 182.80

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	2.45	1.32	98.68
5	-2.00	4.000	4.37	2.35	97.65
7	-1.50	2.800	5.27	2.84	97.16
10	-1.00	2.000	6.30	3.39	96.61
14	-0.50	1.400	7.91	4.26	95.74
18	0.00	1.000	9.61	5.17	94.83
25	0.50	0.710	12.77	6.87	93.13
35	1.00	0.500	16.45	8.86	91.14
45	1.50	0.355	20.23	10.89	89.11
60	2.00	0.250	26.66	14.35	85.65
80	2.50	0.180	45.60	24.55	75.45
120	3.00	0.125	136.56	73.52	26.48
170	3.50	0.090	181.94	97.95	2.05
200	3.75	0.075	182.57	98.29	1.71
230	4.00	0.063	184.17	99.15	0.85
PAN			185.74	99.99	0.01

PHI(5): -0.09 PHI(16): 2.08 PHI(25): 2.50
PHI(50): 2.76 PHI(75): 3.03 PHI(84): 3.21
PHI(95): 3.44

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.71%
SKEWNESS: -1.918 KURTOSIS: 2.755

GRAPHIC METHOD

MEAN (PHI): 2.28 SORTING: 0.57
MEAN (mm): 0.21 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.45 SORTING: 1.21
MEAN (mm): 0.18

DATA FILE NAME: VC99-86#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 86#3

SAMPLE ELEV. (FT. NGVD): -49.7

SAMPLE DEPTH (FT.): 7.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 170.04

SAMPLE WEIGHT AFTER WASH (GRAMS): 167.37

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	0.16	0.09	99.91
5	-2.00	4.000	0.61	0.36	99.64
7	-1.50	2.800	1.16	0.68	99.32
10	-1.00	2.000	2.07	1.22	98.78
14	-0.50	1.400	3.42	2.01	97.99
18	0.00	1.000	5.08	2.99	97.01
25	0.50	0.710	7.36	4.33	95.67
35	1.00	0.500	10.69	6.29	93.71
45	1.50	0.355	13.68	8.05	91.95
60	2.00	0.250	17.91	10.53	89.47
80	2.50	0.180	32.03	18.84	81.16
120	3.00	0.125	113.27	66.61	33.39
170	3.50	0.090	166.03	97.64	2.36
200	3.75	0.075	167.01	98.22	1.78
230	4.00	0.063	168.49	99.09	0.91
PAN			170.01	99.98	0.02

PHI(5): 0.67

PHI(16): 2.33

PHI(25): 2.56

PHI(50): 2.83

PHI(75): 3.14

PHI(84): 3.28

PHI(95): 3.46

SIEVE LOSS(g): 0.03

SILT/CLAY: 1.78%

SKEWNESS: -1.602

KURTOSIS: 2.001

GRAPHIC METHOD

MEAN (PHI): 2.51

SORTING: 0.48

MEAN (mm): 0.18

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.64

SORTING: 0.88

MEAN (mm): 0.16

DATA FILE NAME: VC99-86#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/14/99

SAMPLE NO.: VC99 86#4

SAMPLE ELEV. (FT. NGVD): -51.7

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 222.96

SAMPLE WEIGHT AFTER WASH (GRAMS): 216.92

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	0.05	0.02	99.98
7	-1.50	2.800	0.06	0.03	99.97
10	-1.00	2.000	0.15	0.07	99.93
14	-0.50	1.400	0.37	0.17	99.83
18	0.00	1.000	0.66	0.30	99.70
25	0.50	0.710	1.31	0.59	99.41
35	1.00	0.500	2.46	1.10	98.90
45	1.50	0.355	4.17	1.87	98.13
60	2.00	0.250	8.13	3.65	96.35
80	2.50	0.180	25.73	11.54	88.46
120	3.00	0.125	141.99	63.68	36.32
170	3.50	0.090	214.51	96.21	3.79
200	3.75	0.075	216.64	97.17	2.83
230	4.00	0.063	219.96	98.65	1.35
PAN			222.98	100.01	-0.01

PHI (5): 2.09

PHI (16): 2.54

PHI (25): 2.63

PHI (50): 2.87

PHI (75): 3.17

PHI (84): 3.31

PHI (95): 3.48

SIEVE LOSS(g): -0.02

SILT/CLAY: 2.83%

SKEWNESS: -0.221

KURTOSIS: 1.050

GRAPHIC METHOD

MEAN (PHI): 2.86

SORTING: 0.38

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.84

SORTING: 0.48

MEAN (mm): 0.14

DATA FILE NAME: VC99-86#4.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 86#5
SAMPLE ELEV. (FT. NGVD): -55.7
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 207.59
SAMPLE WEIGHT AFTER WASH (GRAMS): 203.31

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	0.20	0.10	99.90
7	-1.50	2.800	0.40	0.19	99.81
10	-1.00	2.000	1.06	0.51	99.49
14	-0.50	1.400	2.18	1.05	98.95
18	0.00	1.000	3.59	1.73	98.27
25	0.50	0.710	6.26	3.02	96.98
35	1.00	0.500	10.37	5.00	95.00
45	1.50	0.355	15.14	7.29	92.71
60	2.00	0.250	25.87	12.46	87.54
80	2.50	0.180	77.38	37.28	62.72
120	3.00	0.125	169.20	81.51	18.49
170	3.50	0.090	202.65	97.62	2.38
200	3.75	0.075	203.19	97.88	2.12
230	4.00	0.063	205.44	98.96	1.04
PAN			207.60	100.00	0.00

PHI(5): 1.00 PHI(16): 2.07 PHI(25): 2.25
PHI(50): 2.64 PHI(75): 2.93 PHI(84): 3.08
PHI(95): 3.42

SIEVE LOSS(g): -0.01 SILT/CLAY: 2.12%
SKEWNESS: -0.863 KURTOSIS: 1.471

GRAPHIC METHOD

MEAN (PHI): 2.44 SORTING: 0.50
MEAN (mm): 0.18 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.50 SORTING: 0.74
MEAN (mm): 0.18

DATA FILE NAME: VC99-86#5.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 86#6
SAMPLE ELEV. (FT. NGVD): -58.7
SAMPLE DEPTH (FT.): 16.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 188.54
SAMPLE WEIGHT AFTER WASH (GRAMS): 183.89

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	1.25	0.66	99.34
5	-2.00	4.000	3.28	1.74	98.26
7	-1.50	2.800	3.96	2.10	97.90
10	-1.00	2.000	5.21	2.76	97.24
14	-0.50	1.400	6.84	3.63	96.37
18	0.00	1.000	8.37	4.44	95.56
25	0.50	0.710	10.91	5.79	94.21
35	1.00	0.500	14.33	7.60	92.40
45	1.50	0.355	18.21	9.66	90.34
60	2.00	0.250	26.14	13.86	86.14
80	2.50	0.180	51.93	27.54	72.46
120	3.00	0.125	155.53	82.49	17.51
170	3.50	0.090	182.71	96.91	3.09
200	3.75	0.075	183.52	97.34	2.66
230	4.00	0.063	186.11	98.71	1.29
PAN			188.54	100.00	0.00

PHI(5): 0.21 PHI(16): 2.08 PHI(25): 2.41
PHI(50): 2.70 PHI(75): 2.93 PHI(84): 3.05
PHI(95): 3.43

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.66%
SKEWNESS: -1.813 KURTOSIS: 2.519

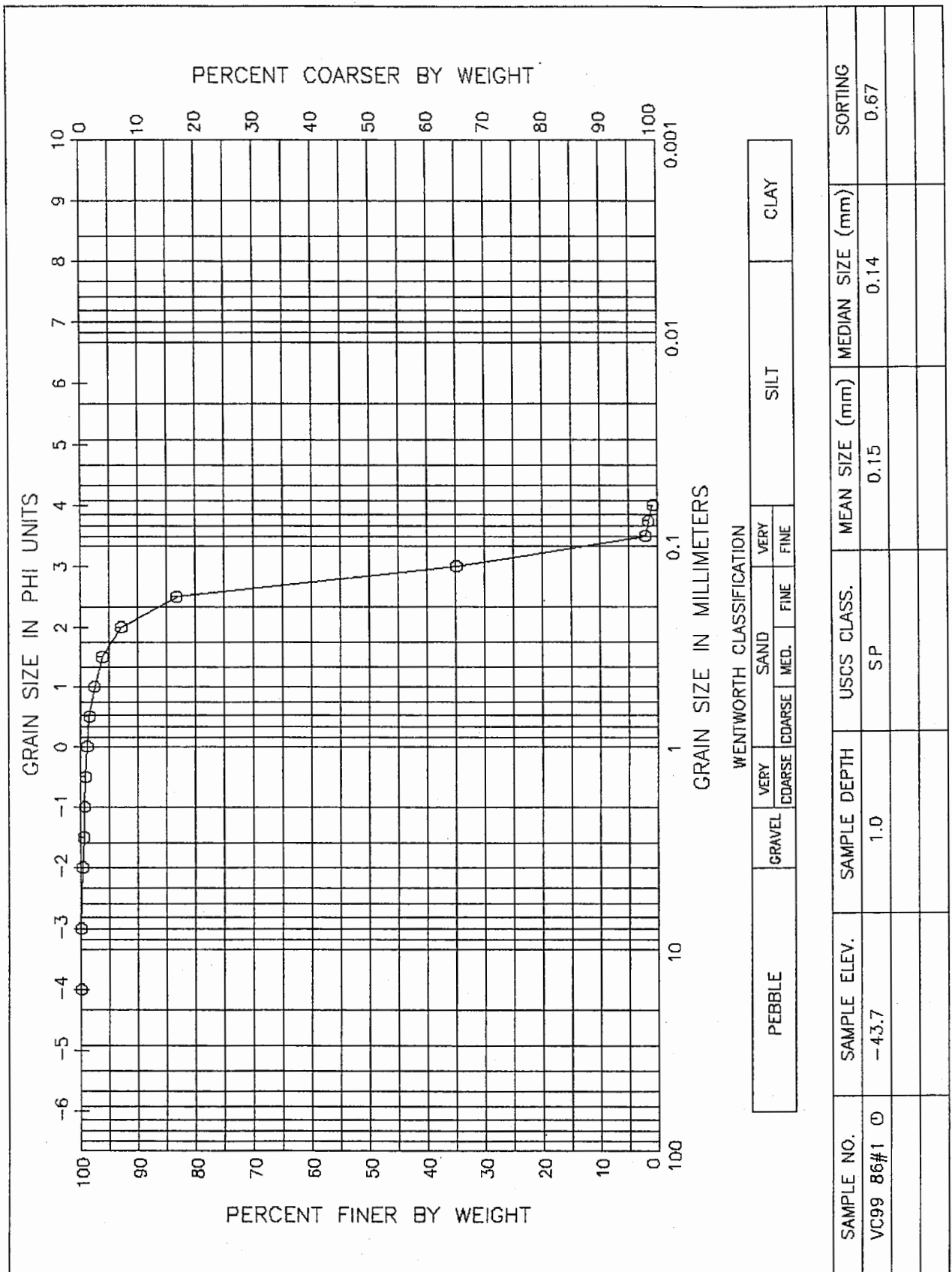
GRAPHIC METHOD

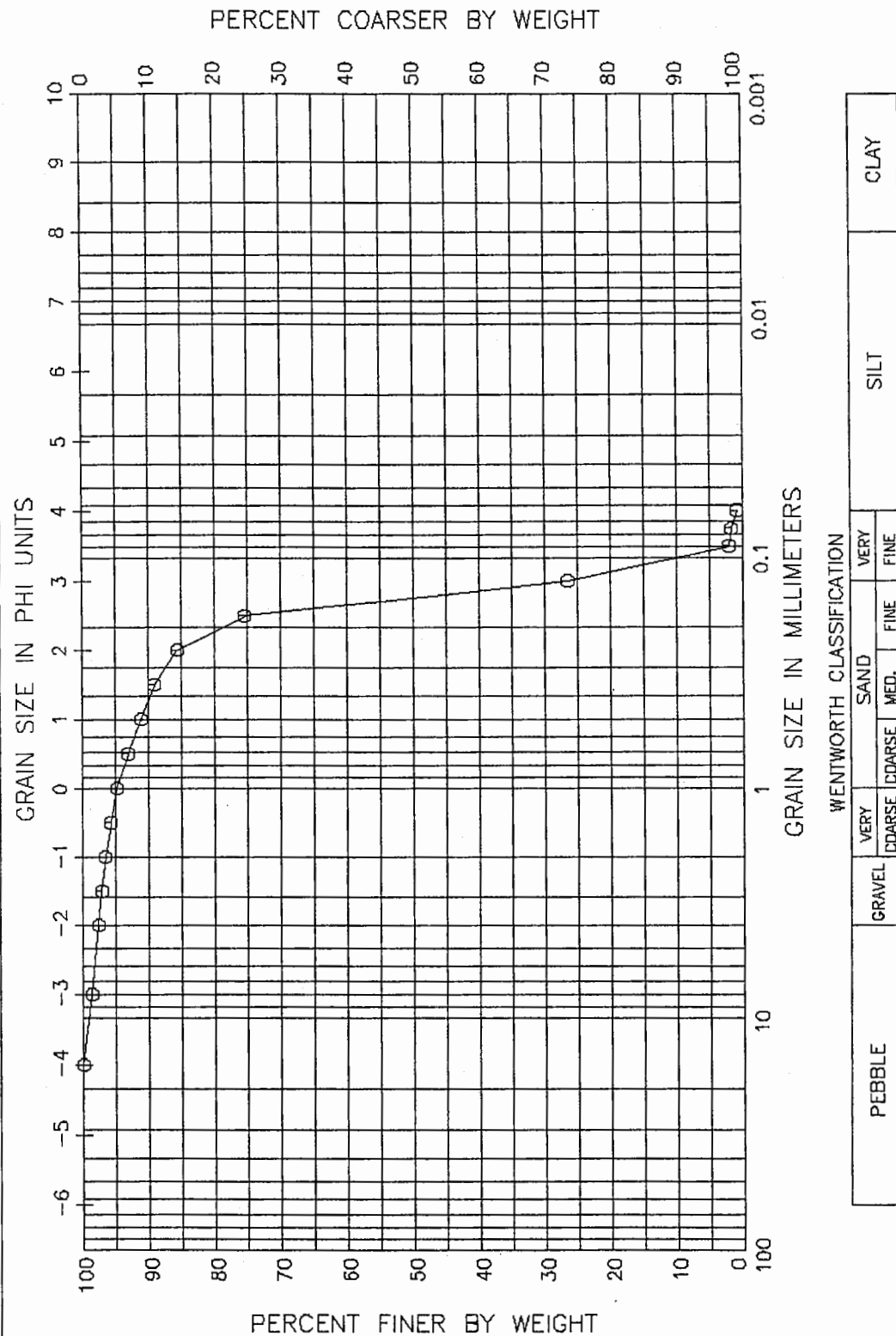
MEAN (PHI): 2.30 SORTING: 0.49
MEAN (mm): 0.20 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.43 SORTING: 1.08
MEAN (mm): 0.19

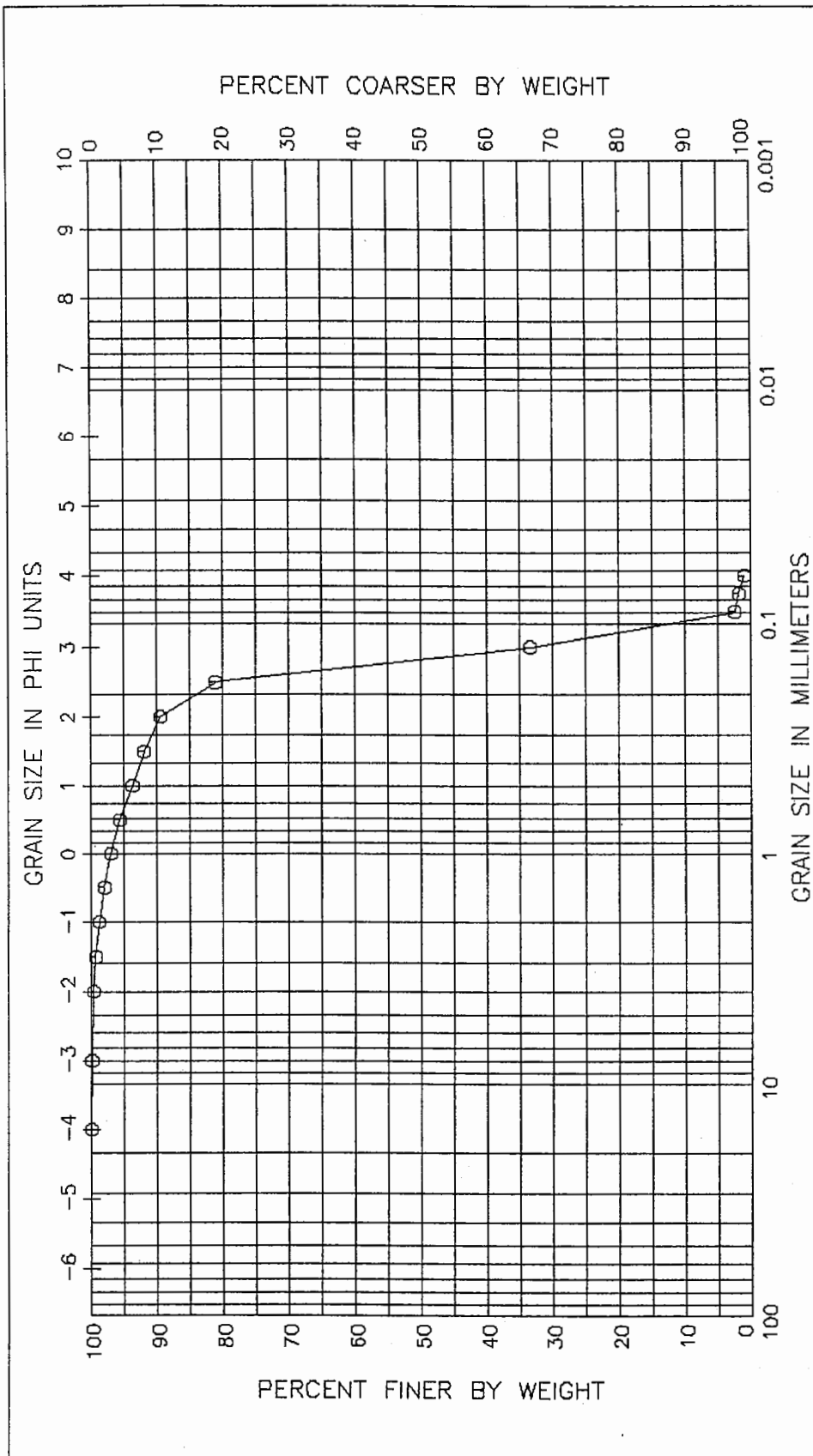
DATA FILE NAME: VC99-86#6.TAB





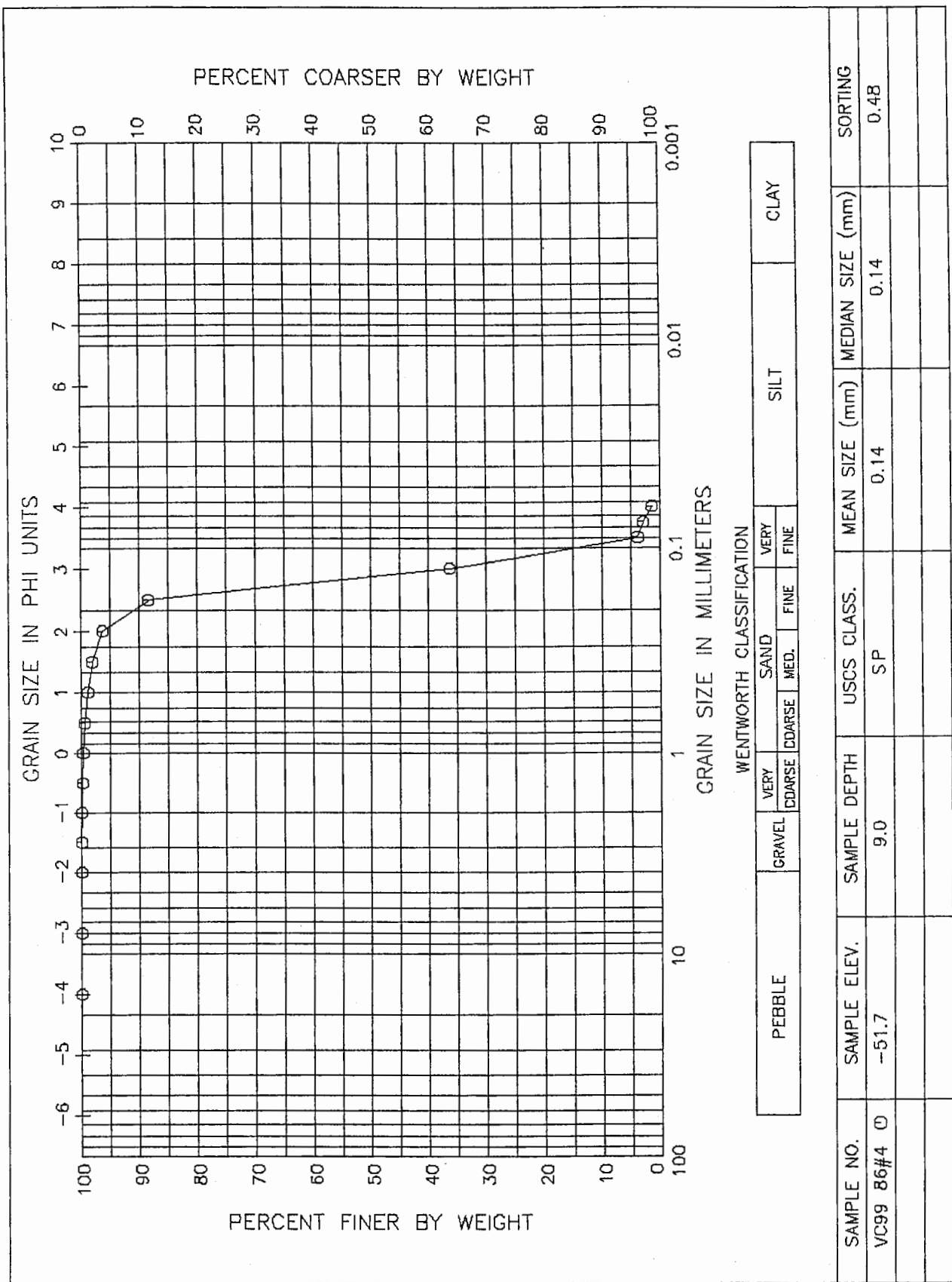
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VC99 86#2 0	-46.2	3.5	SP	0.18	0.15	1.21

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

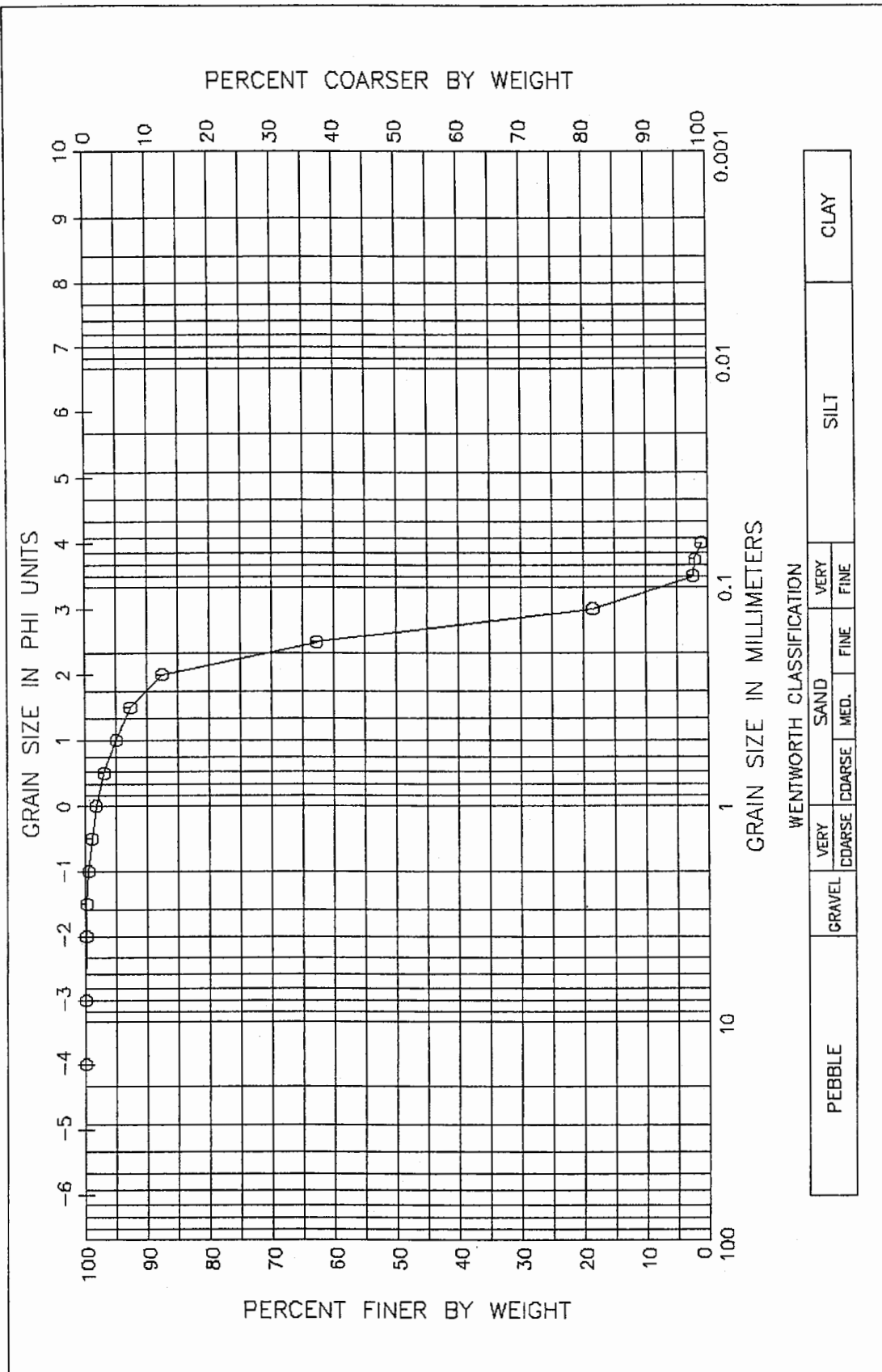


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

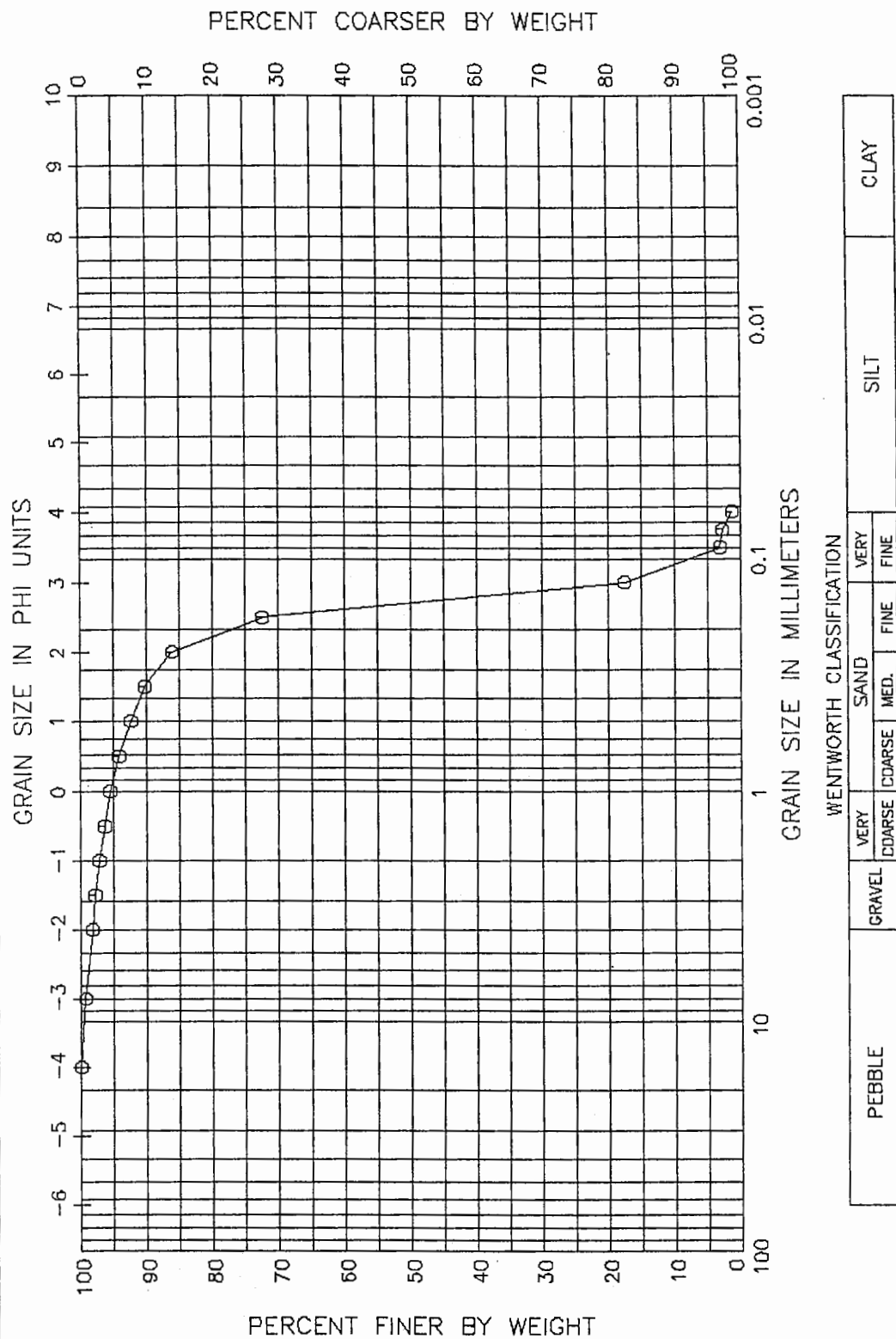
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 86#3 0	-49.7	7.0	SP	0.16	0.14	0.88



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 86#6 0	-58.7	16.0	SP	0.19	0.15	1.08

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH