

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 53#1  
 SAMPLE ELEV. (FT. NGVD): -53.9  
 SAMPLE DEPTH (FT.): 4.0  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 74.27  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 72.98

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	0.19	0.26	99.74
7	-1.50	2.800	0.35	0.47	99.53
10	-1.00	2.000	0.55	0.74	99.26
14	-0.50	1.400	0.83	1.12	98.88
18	0.00	1.000	1.05	1.41	98.59
25	0.50	0.710	1.34	1.80	98.20
35	1.00	0.500	1.65	2.22	97.78
45	1.50	0.355	1.89	2.54	97.46
60	2.00	0.250	2.33	3.14	96.86
80	2.50	0.180	4.14	5.57	94.43
120	3.00	0.125	31.62	42.57	57.43
170	3.50	0.090	71.67	96.50	3.50
200	3.75	0.075	72.76	97.97	2.03
230	4.00	0.063	73.46	98.92	1.08
PAN			74.23	99.95	0.05

PHI (5): 2.38      PHI (16): 2.64      PHI (25): 2.76  
 PHI (50): 3.07      PHI (75): 3.30      PHI (84): 3.38  
 PHI (95): 3.49

SIEVE LOSS (g): 0.04      SILT/CLAY: 2.03%  
 SKEWNESS: -0.363      KURTOSIS: 0.841

GRAPHIC METHOD

MEAN (PHI): 2.99      SORTING: 0.37  
 MEAN (mm): 0.13      MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.95      SORTING: 0.64  
 MEAN (mm): 0.13

DATA FILE NAME: VC99-53#1.TAB

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SAMPLE NO.: VC99 53#2  
SAMPLE ELEV. (FT. NGVD): -58.9  
SAMPLE DEPTH (FT.): 9.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.44  
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.00

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	0.11	99.89
7	-1.50	2.800	0.20	0.25	99.75
10	-1.00	2.000	0.32	0.39	99.61
14	-0.50	1.400	0.54	0.66	99.34
18	0.00	1.000	0.57	0.70	99.30
25	0.50	0.710	1.07	1.31	98.69
35	1.00	0.500	1.45	1.78	98.22
45	1.50	0.355	1.90	2.33	97.67
60	2.00	0.250	2.57	3.16	96.84
80	2.50	0.180	5.23	6.42	93.58
120	3.00	0.125	45.14	55.43	44.57
170	3.50	0.090	77.36	94.99	5.01
200	3.75	0.075	79.41	97.51	2.49
230	4.00	0.063	80.55	98.91	1.09
PAN			81.41	99.96	0.04

PHI (5): 2.28                      PHI (16): 2.60                      PHI (25): 2.69  
PHI (50): 2.94                      PHI (75): 3.25                      PHI (84): 3.36  
PHI (95): 3.50

SIEVE LOSS (g): 0.03                      SILT/CLAY: 2.49%  
SKEWNESS: -0.139                      KURTOSIS: 0.895

GRAPHIC METHOD

MEAN (PHI): 2.94                      SORTING: 0.38  
MEAN (mm): 0.13                      MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.90                      SORTING: 0.57  
MEAN (mm): 0.13

DATA FILE NAME: VC99-53#2.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 53#3  
SAMPLE ELEV. (FT. NGVD): -63.9  
SAMPLE DEPTH (FT.): 14.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.19  
SAMPLE WEIGHT AFTER WASH (GRAMS): 84.85

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	0.10	0.11	99.89
10	-1.00	2.000	0.22	0.25	99.75
14	-0.50	1.400	0.36	0.41	99.59
18	0.00	1.000	2.00	2.29	97.71
25	0.50	0.710	2.82	3.23	96.77
35	1.00	0.500	3.76	4.31	95.69
45	1.50	0.355	4.25	4.87	95.13
60	2.00	0.250	5.34	6.12	93.88
80	2.50	0.180	8.60	9.86	90.14
120	3.00	0.125	43.61	50.02	49.98
170	3.50	0.090	82.11	94.17	5.83
200	3.75	0.075	84.51	96.93	3.07
230	4.00	0.063	85.96	98.59	1.41
PAN			87.14	99.94	0.06

PHI (5): 1.55                      PHI (16): 2.58                      PHI (25): 2.69  
PHI (50): 3.00                      PHI (75): 3.28                      PHI (84): 3.38  
PHI (95): 3.58

SIEVE LOSS (g): 0.05                      SILT/CLAY: 3.07%  
SKEWNESS: -1.082                      KURTOSIS: 1.396

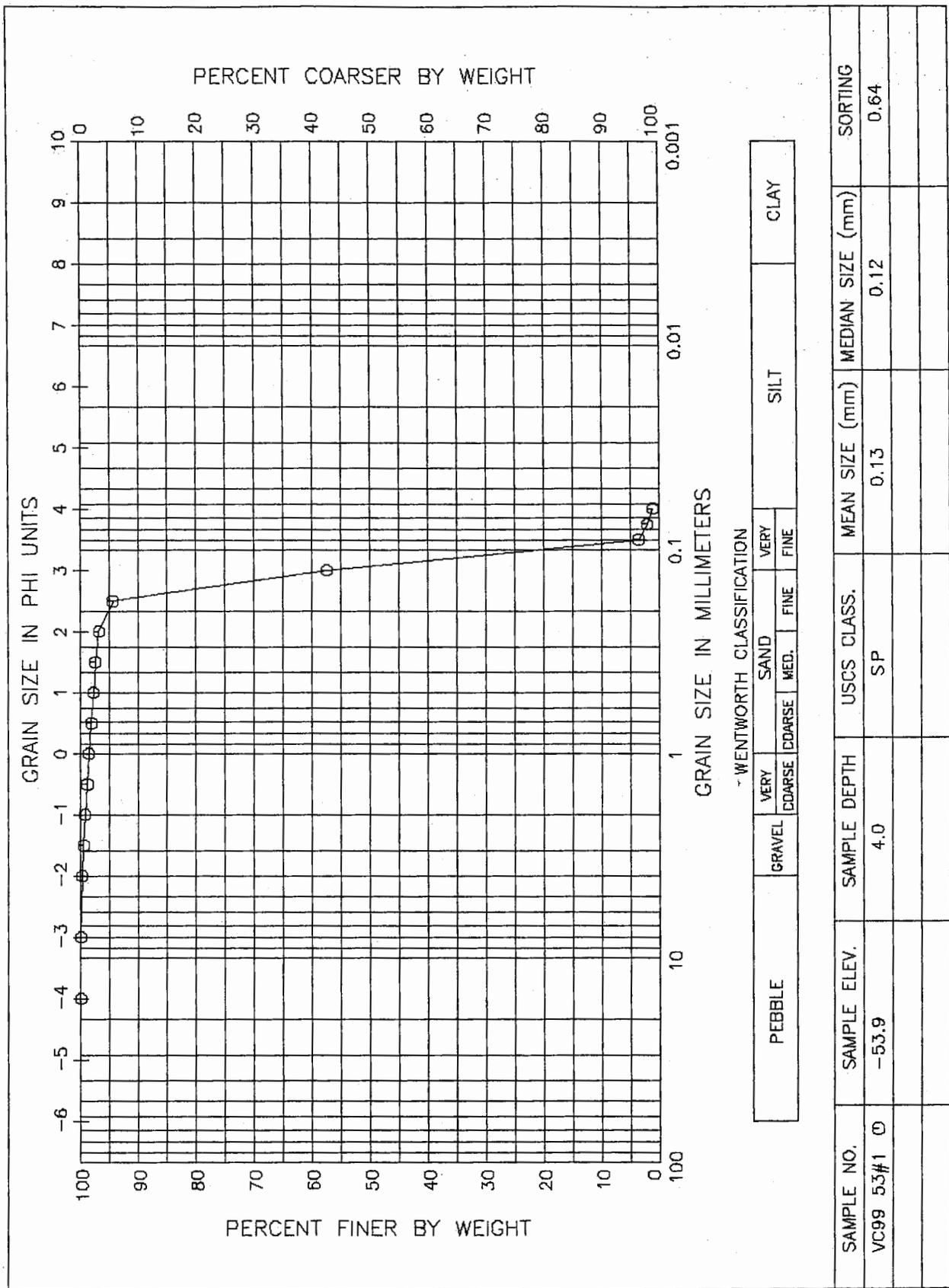
GRAPHIC METHOD

MEAN (PHI): 2.82                      SORTING: 0.40  
MEAN (mm): 0.14                      MEDIAN (mm): 0.13  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

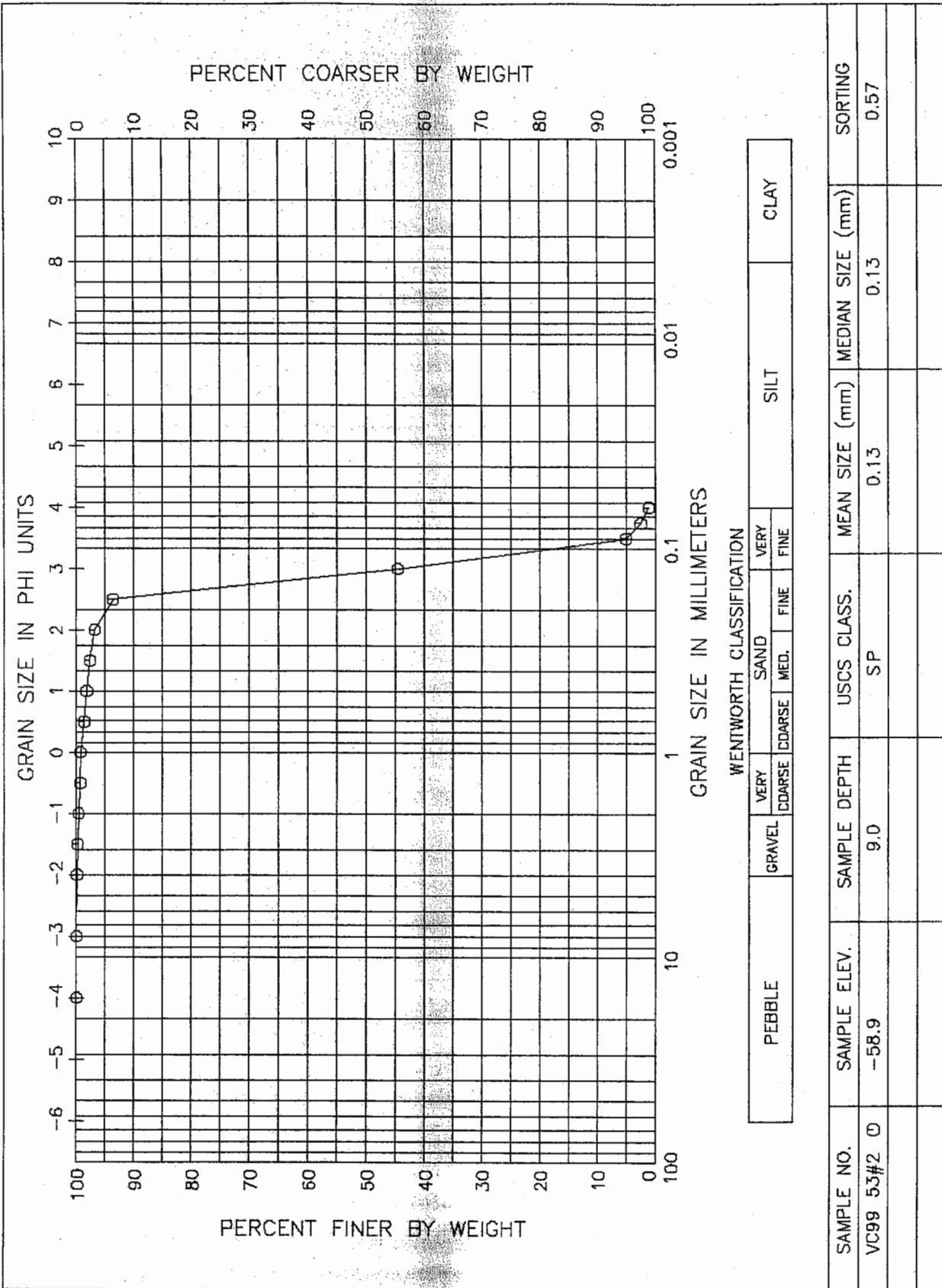
MOMENT METHOD

MEAN (PHI): 2.86                      SORTING: 0.72  
MEAN (mm): 0.14

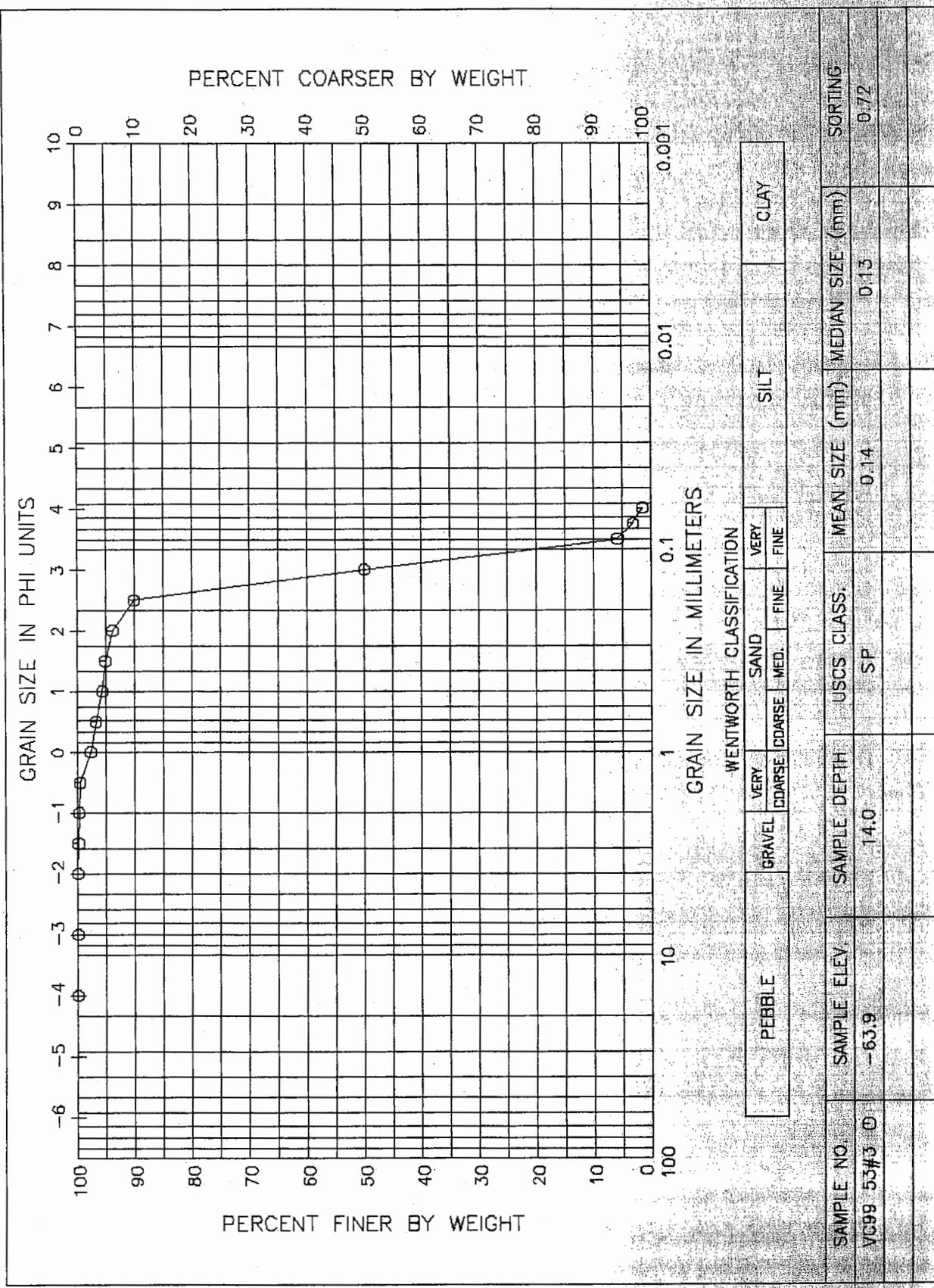
DATA FILE NAME: VC99-53#3.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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