

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

SAMPLE NO.: VC99 49#1  
SAMPLE ELEV. (FT. NGVD): -54.1  
SAMPLE DEPTH (FT.): 4.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 181.23  
SAMPLE WEIGHT AFTER WASH (GRAMS): 178.40

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	0.28	0.15	99.85
7	-1.50	2.800	0.44	0.24	99.76
10	-1.00	2.000	0.75	0.41	99.59
14	-0.50	1.400	1.24	0.68	99.32
18	0.00	1.000	1.77	0.98	99.02
25	0.50	0.710	2.23	1.23	98.77
35	1.00	0.500	2.80	1.54	98.46
45	1.50	0.355	3.36	1.85	98.15
60	2.00	0.250	4.24	2.34	97.66
80	2.50	0.180	8.99	4.96	95.04
120	3.00	0.125	84.44	46.59	53.41
170	3.50	0.090	174.12	96.08	3.92
200	3.75	0.075	177.85	98.13	1.87
230	4.00	0.063	179.70	99.16	0.84
PAN			181.23	100.00	0.00

PHI(5): 2.50 PHI(16): 2.63 PHI(25): 2.74  
PHI(50): 3.03 PHI(75): 3.29 PHI(84): 3.38  
PHI(95): 3.49

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.87%  
SKEWNESS: -0.106 KURTOSIS: 0.742

GRAPHIC METHOD

MEAN (PHI): 3.01 SORTING: 0.37  
MEAN (mm): 0.12 MEDIAN (mm): 0.12  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.96 SORTING: 0.55  
MEAN (mm): 0.13

DATA FILE NAME: VC99-49#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 49#2

SAMPLE ELEV. (FT. NGVD): -59.1

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 148.46

SAMPLE WEIGHT AFTER WASH (GRAMS): 145.26

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	0.64	0.43	99.57
7	-1.50	2.800	0.82	0.55	99.45
10	-1.00	2.000	1.24	0.84	99.16
14	-0.50	1.400	1.80	1.21	98.79
18	0.00	1.000	2.32	1.56	98.44
25	0.50	0.710	2.93	1.97	98.03
35	1.00	0.500	3.46	2.33	97.67
45	1.50	0.355	3.97	2.67	97.33
60	2.00	0.250	5.17	3.48	96.52
80	2.50	0.180	10.08	6.79	93.21
120	3.00	0.125	63.60	42.84	57.16
170	3.50	0.090	140.93	94.93	5.07
200	3.75	0.075	144.44	97.29	2.71
230	4.00	0.063	146.75	98.85	1.15
PAN			148.44	99.99	0.01

PHI (5): 2.23

PHI (16): 2.63

PHI (25): 2.75

PHI (50): 3.07

PHI (75): 3.31

PHI (84): 3.40

PHI (95): 3.51

SIEVE LOSS(g): 0.02

SILT/CLAY: 2.71%

SKEWNESS: -0.522

KURTOSIS: 0.942

## GRAPHIC METHOD

MEAN (PHI): 2.97

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.94

SORTING: 0.68

MEAN (mm): 0.13

DATA FILE NAME: VC99-49#2.TAB

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

SAMPLE NO.: VC99 49#3  
SAMPLE ELEV. (FT. NGVD): -64.1  
SAMPLE DEPTH (FT.): 14.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 234.01  
SAMPLE WEIGHT AFTER WASH (GRAMS): 229.53

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	0.04	0.02	99.98
10	-1.00	2.000	0.11	0.05	99.95
14	-0.50	1.400	0.33	0.14	99.86
18	0.00	1.000	0.73	0.31	99.69
25	0.50	0.710	1.41	0.60	99.40
35	1.00	0.500	2.39	1.02	98.98
45	1.50	0.355	3.68	1.57	98.43
60	2.00	0.250	6.90	2.95	97.05
80	2.50	0.180	18.56	7.93	92.07
120	3.00	0.125	115.78	49.48	50.52
170	3.50	0.090	222.42	95.05	4.95
200	3.75	0.075	227.97	97.42	2.58
230	4.00	0.063	231.48	98.92	1.08
PAN			233.99	99.99	0.01

PHI(5): 2.21 PHI(16): 2.60 PHI(25): 2.71  
PHI(50): 3.01 PHI(75): 3.28 PHI(84): 3.38  
PHI(95): 3.50

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.58%  
SKEWNESS: -0.392 KURTOSIS: 0.923

GRAPHIC METHOD

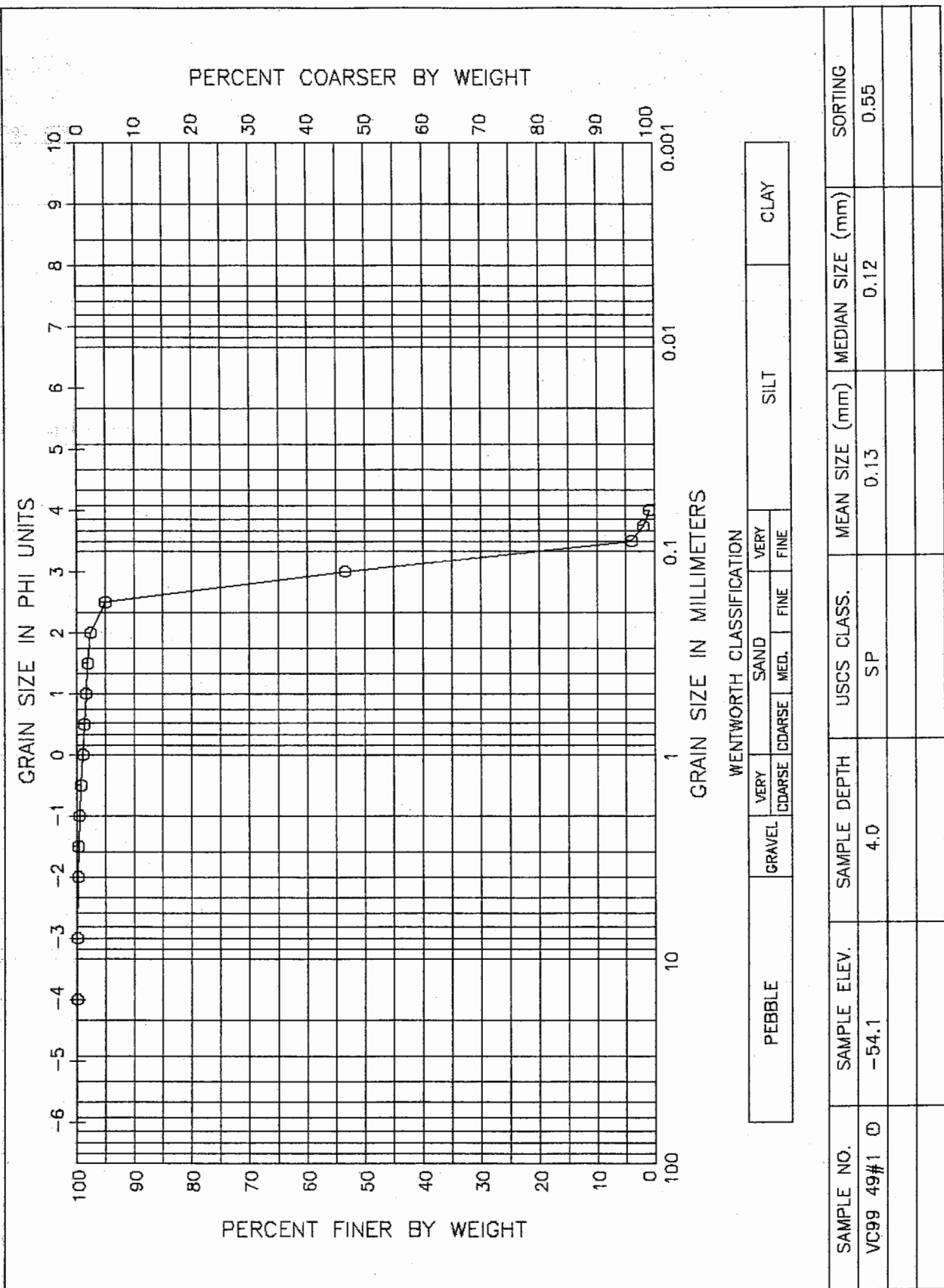
MEAN (PHI): 2.94 SORTING: 0.39  
MEAN (mm): 0.13 MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

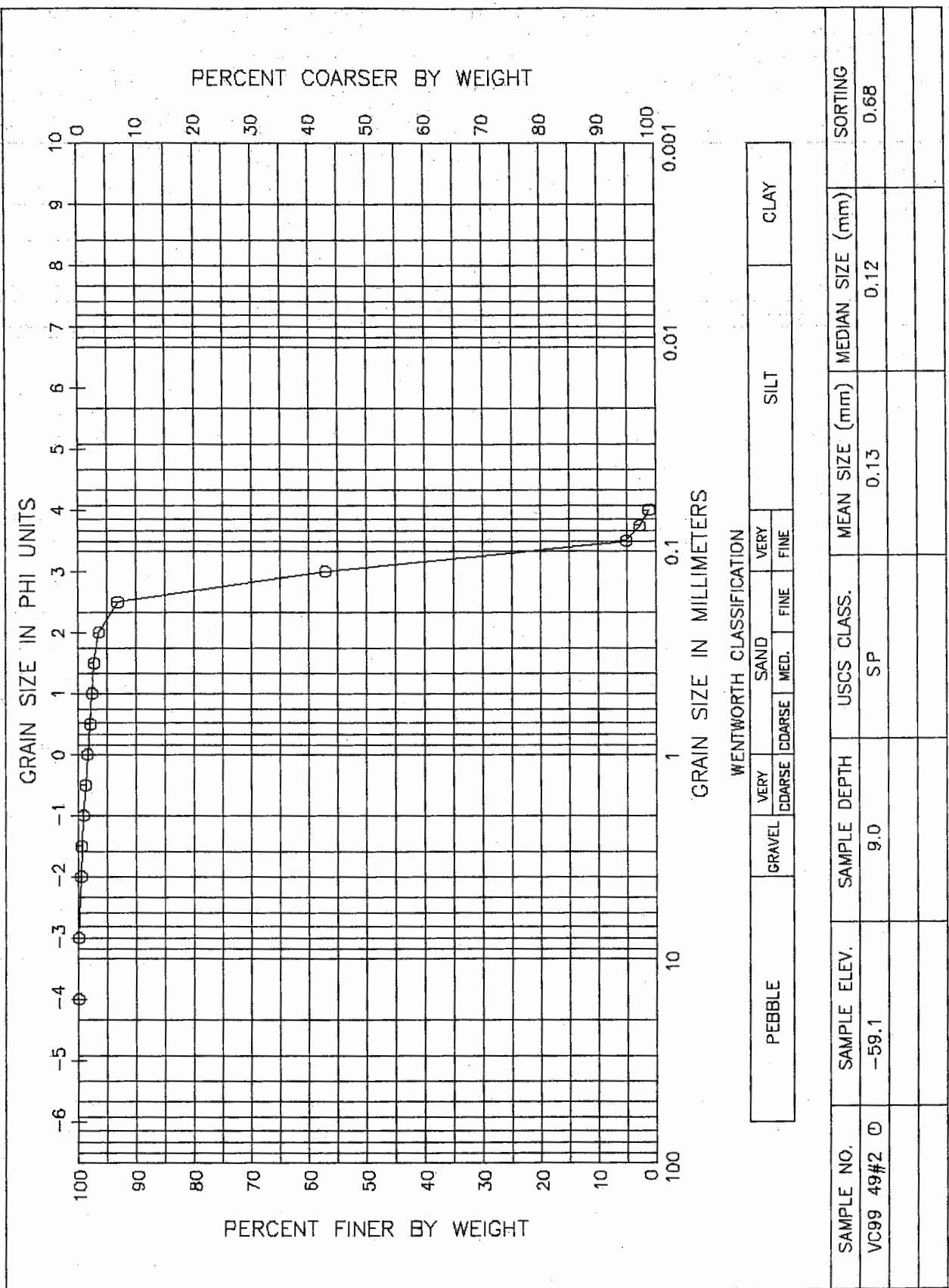
MOMENT METHOD

MEAN (PHI): 2.94 SORTING: 0.47  
MEAN (mm): 0.13

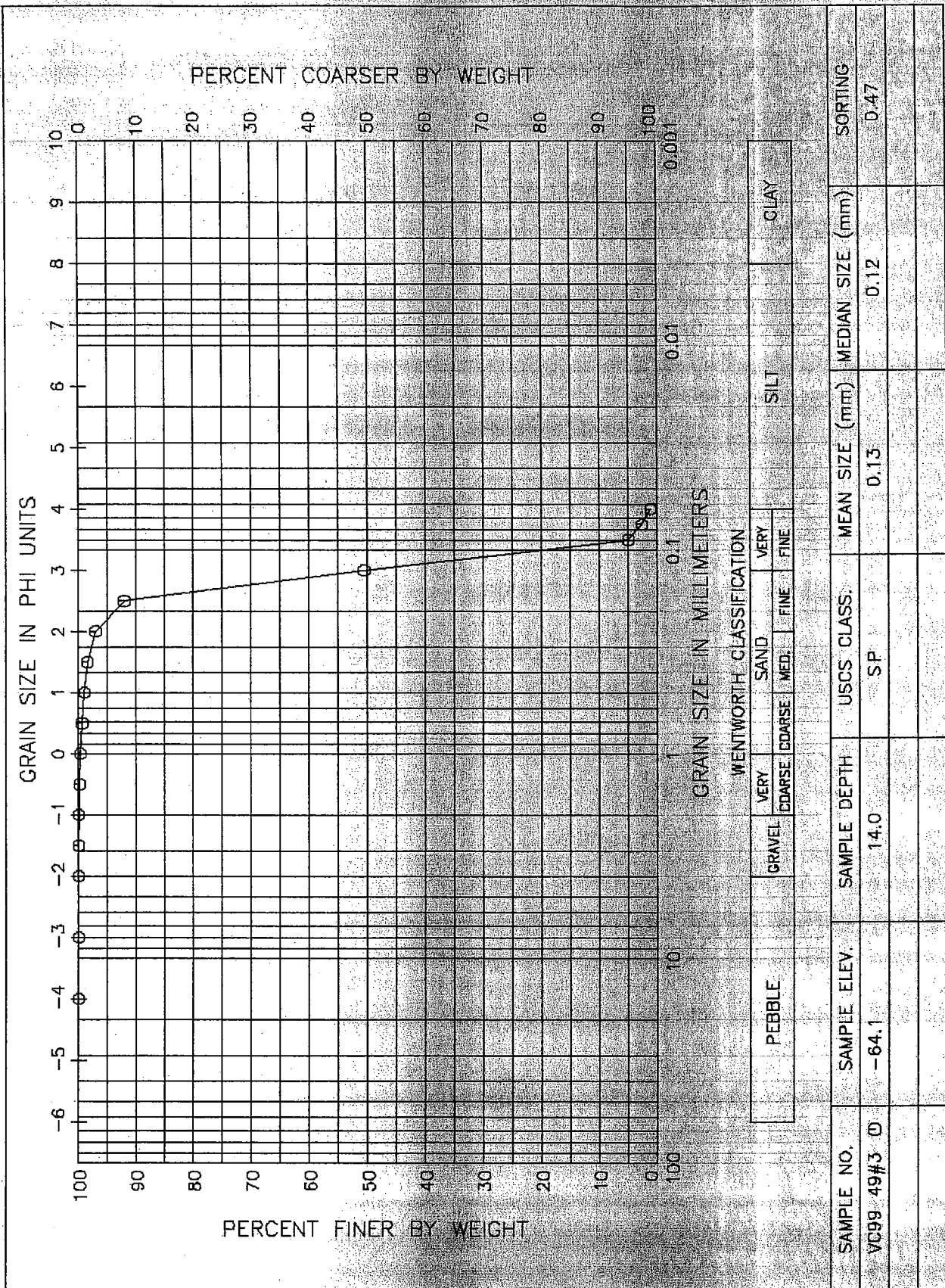
DATA FILE NAME: VC99-49#3.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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