

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/17/99

SAMPLE NO.: VC99-24 #1

SAMPLE ELEV. (FT. NGVD): -62.0

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 193.07

SAMPLE WEIGHT AFTER WASH (GRAMS): 190.49

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	0.16	0.08	99.92
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.42	0.22	99.78
18	0.00	1.000	0.60	0.31	99.69
25	0.50	0.710	0.92	0.48	99.52
35	1.00	0.500	1.54	0.80	99.20
45	1.50	0.355	2.43	1.26	98.74
60	2.00	0.250	4.27	2.21	97.79
80	2.50	0.180	12.32	6.38	93.62
120	3.00	0.125	89.97	46.60	53.40
170	3.50	0.090	175.26	90.78	9.22
200	3.75	0.075	190.12	98.47	1.53
230	4.00	0.063	191.63	99.25	0.75
PAN			193.06	99.99	0.01

PHI(5): 2.33

PHI(16): 2.62

PHI(25): 2.73

PHI(50): 3.04

PHI(75): 3.32

PHI(84): 3.42

PHI(95): 3.64

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.53%

SKEWNESS: -0.131

KURTOSIS: 0.905

GRAPHIC METHOD

MEAN (PHI): 3.01

SORTING: 0.40

MEAN (mm): 0.12

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.99

SORTING: 0.47

MEAN (mm): 0.13

DATA FILE NAME: VC99-24#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99-24 #2
SAMPLE ELEV. (FT. NGVD): -66.5
SAMPLE DEPTH (FT.): 8.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 184.18
SAMPLE WEIGHT AFTER WASH (GRAMS): 181.66

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	0.61	0.33	99.67
7	-1.50	2.800	1.13	0.61	99.39
10	-1.00	2.000	1.73	0.94	99.06
14	-0.50	1.400	3.16	1.72	98.28
18	0.00	1.000	5.16	2.80	97.20
25	0.50	0.710	8.32	4.52	95.48
35	1.00	0.500	14.59	7.92	92.08
45	1.50	0.355	21.47	11.66	88.34
60	2.00	0.250	29.43	15.98	84.02
80	2.50	0.180	44.42	24.12	75.88
120	3.00	0.125	137.93	74.89	25.11
170	3.50	0.090	172.47	93.64	6.36
200	3.75	0.075	181.26	98.41	1.59
230	4.00	0.063	182.78	99.24	0.76
PAN			184.17	99.99	0.01

PHI(5): 0.57 PHI(16): 2.00 PHI(25): 2.51
PHI(50): 2.75 PHI(75): 3.00 PHI(84): 3.24
PHI(95): 3.57

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.59%
SKEWNESS: -1.102 KURTOSIS: 2.488

GRAPHIC METHOD

MEAN (PHI): 2.43 SORTING: 0.62
MEAN (mm): 0.19 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.54 SORTING: 0.92
MEAN (mm): 0.17

DATA FILE NAME: VC99-24#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99-24 #3
SAMPLE ELEV. (FT. NGVD): -71.0
SAMPLE DEPTH (FT.): 13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 173.28
SAMPLE WEIGHT AFTER WASH (GRAMS): 169.87

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	2.50	1.44	98.56
5	-2.00	4.000	3.07	1.77	98.23
7	-1.50	2.800	3.25	1.88	98.12
10	-1.00	2.000	3.72	2.15	97.85
14	-0.50	1.400	4.52	2.61	97.39
18	0.00	1.000	5.56	3.21	96.79
25	0.50	0.710	7.38	4.26	95.74
35	1.00	0.500	11.51	6.64	93.36
45	1.50	0.355	18.81	10.86	89.14
60	2.00	0.250	29.25	16.88	83.12
80	2.50	0.180	52.83	30.49	69.51
120	3.00	0.125	130.02	75.03	24.97
170	3.50	0.090	167.99	96.95	3.05
200	3.75	0.075	169.17	97.63	2.37
230	4.00	0.063	171.29	98.85	1.15
PAN			173.27	99.99	0.01

PHI(5): 0.66 PHI(16): 1.93 PHI(25): 2.30
PHI(50): 2.72 PHI(75): 3.00 PHI(84): 3.20
PHI(95): 3.46

SIEVE LOSS(g): 0.01 SILT/CLAY: 2.37%
SKEWNESS: -1.039 KURTOSIS: 1.636

GRAPHIC METHOD

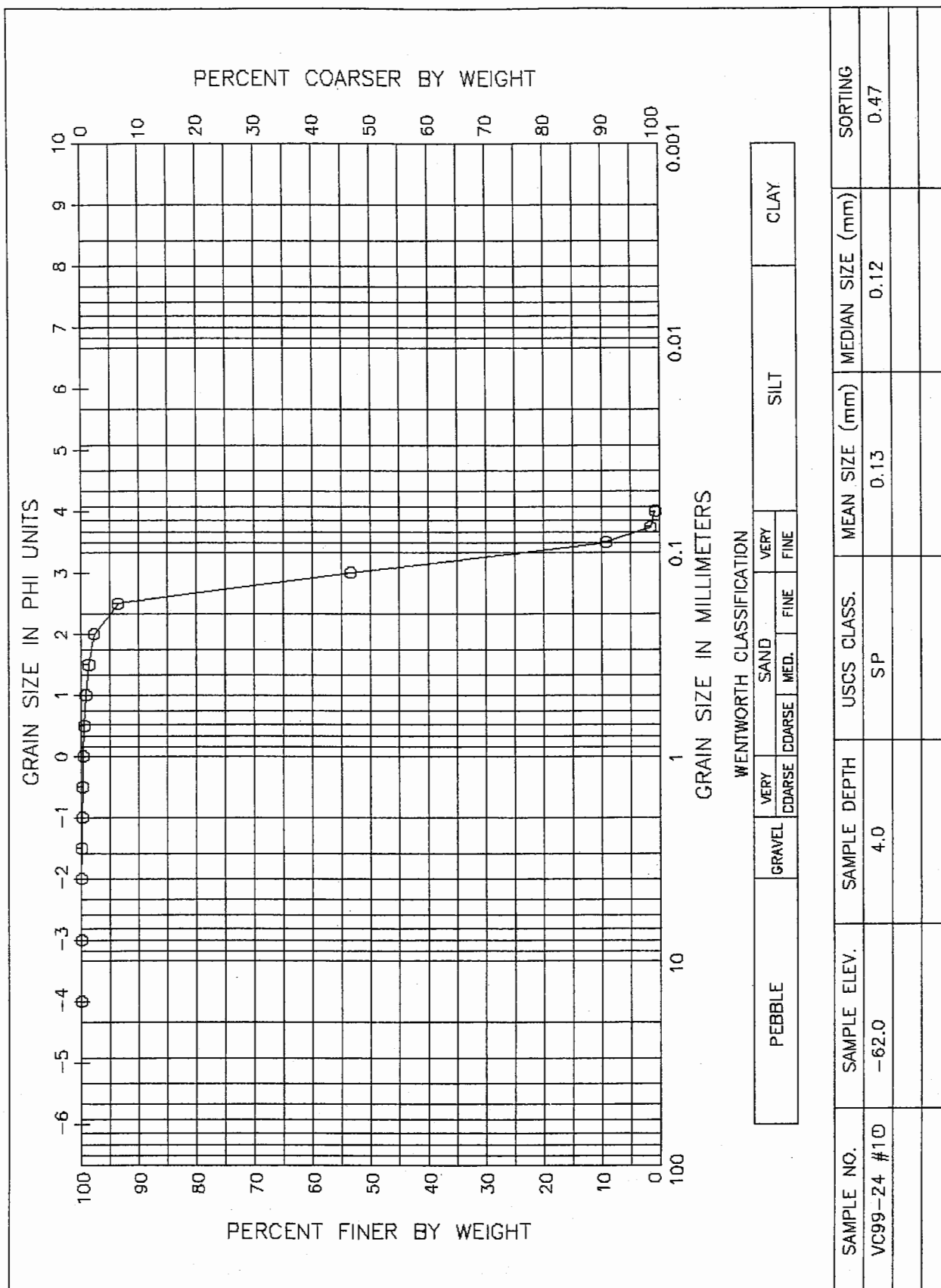
MEAN (PHI): 2.39 SORTING: 0.64
MEAN (mm): 0.19 MEDIAN (mm): 0.15

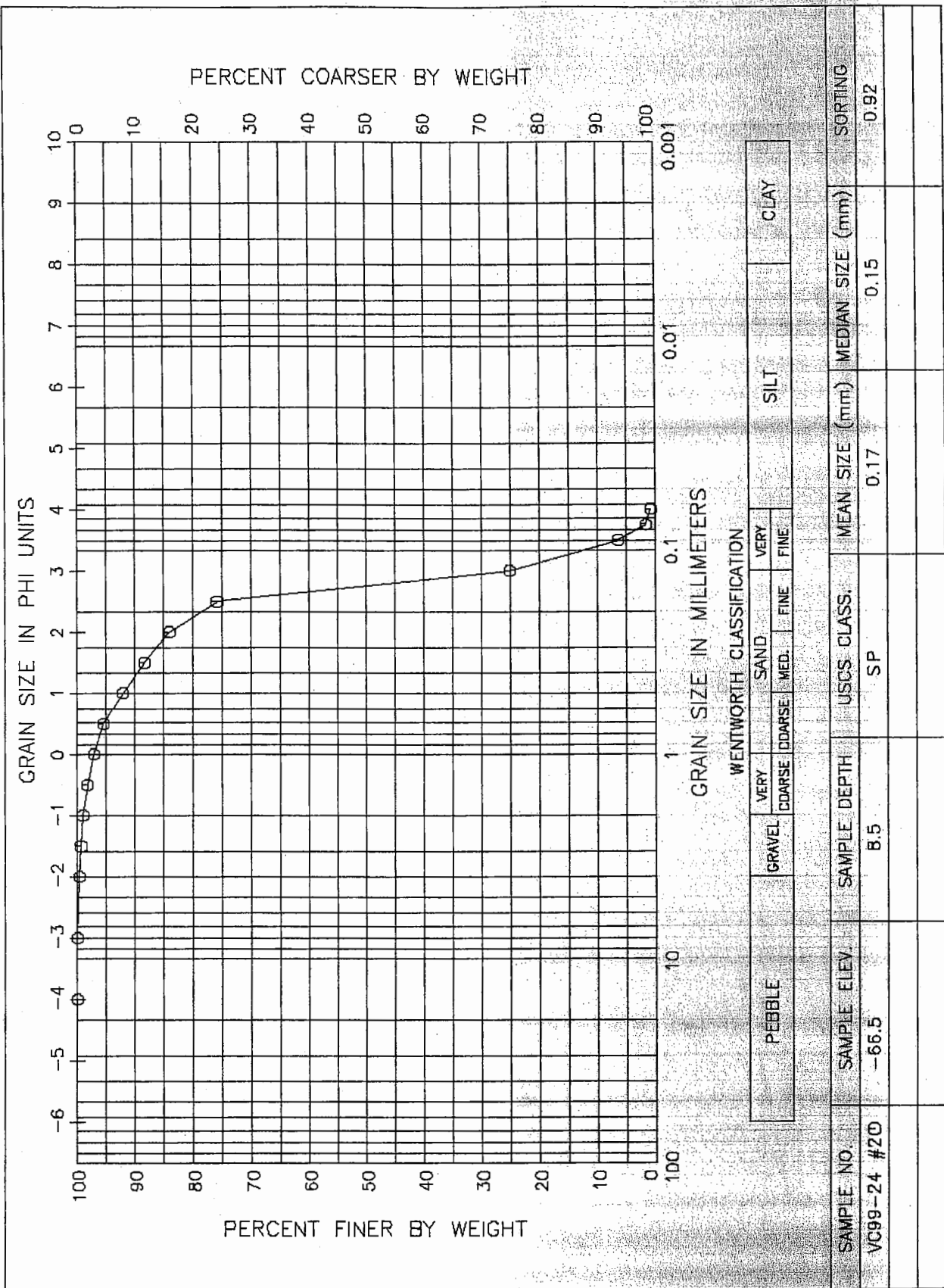
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

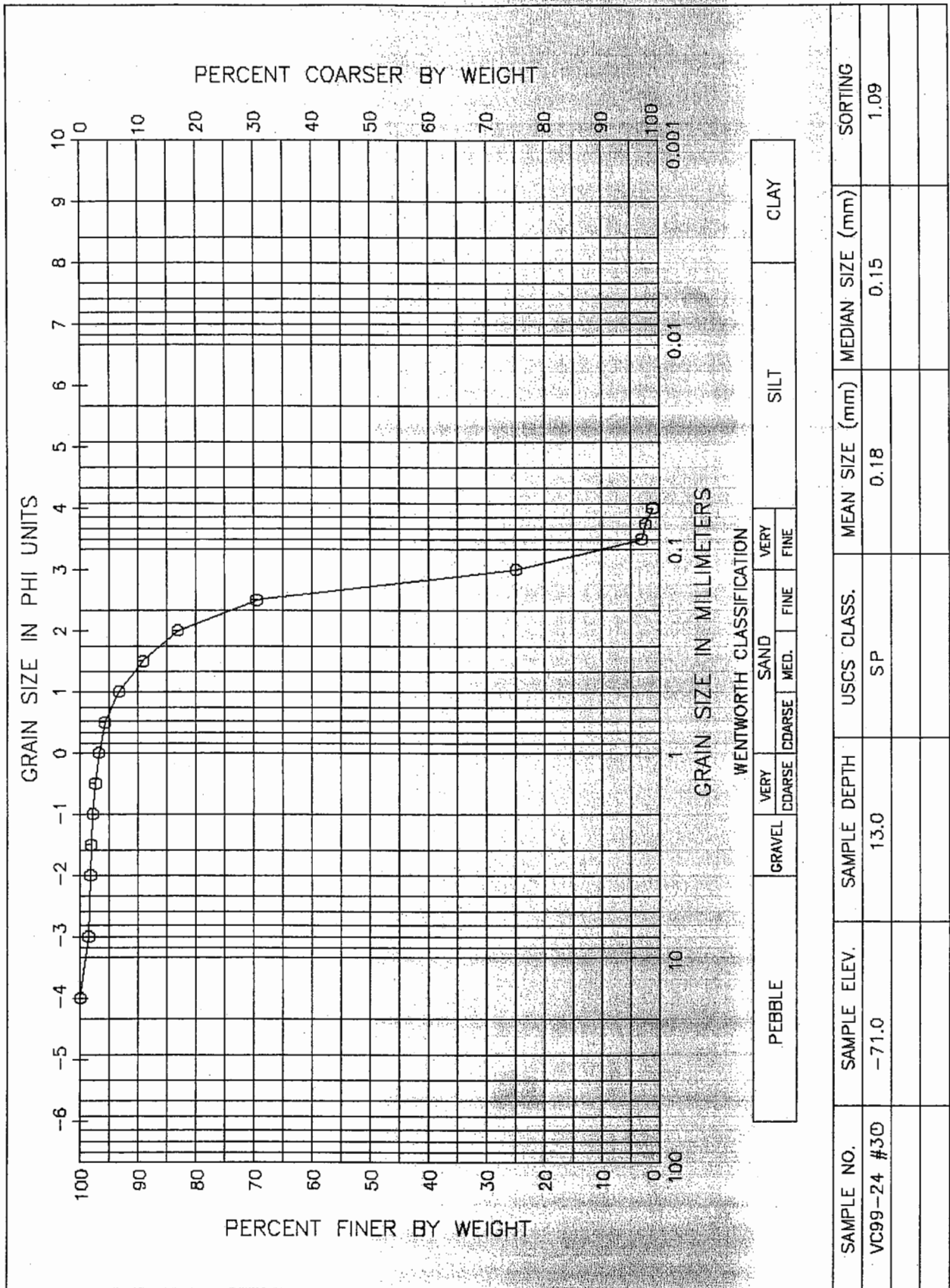
MEAN (PHI): 2.45 SORTING: 1.09
MEAN (mm): 0.18

DATA FILE NAME: VC99-24#3.TAB





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH