

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

TOWN OF PALM BEACH

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

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

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

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

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

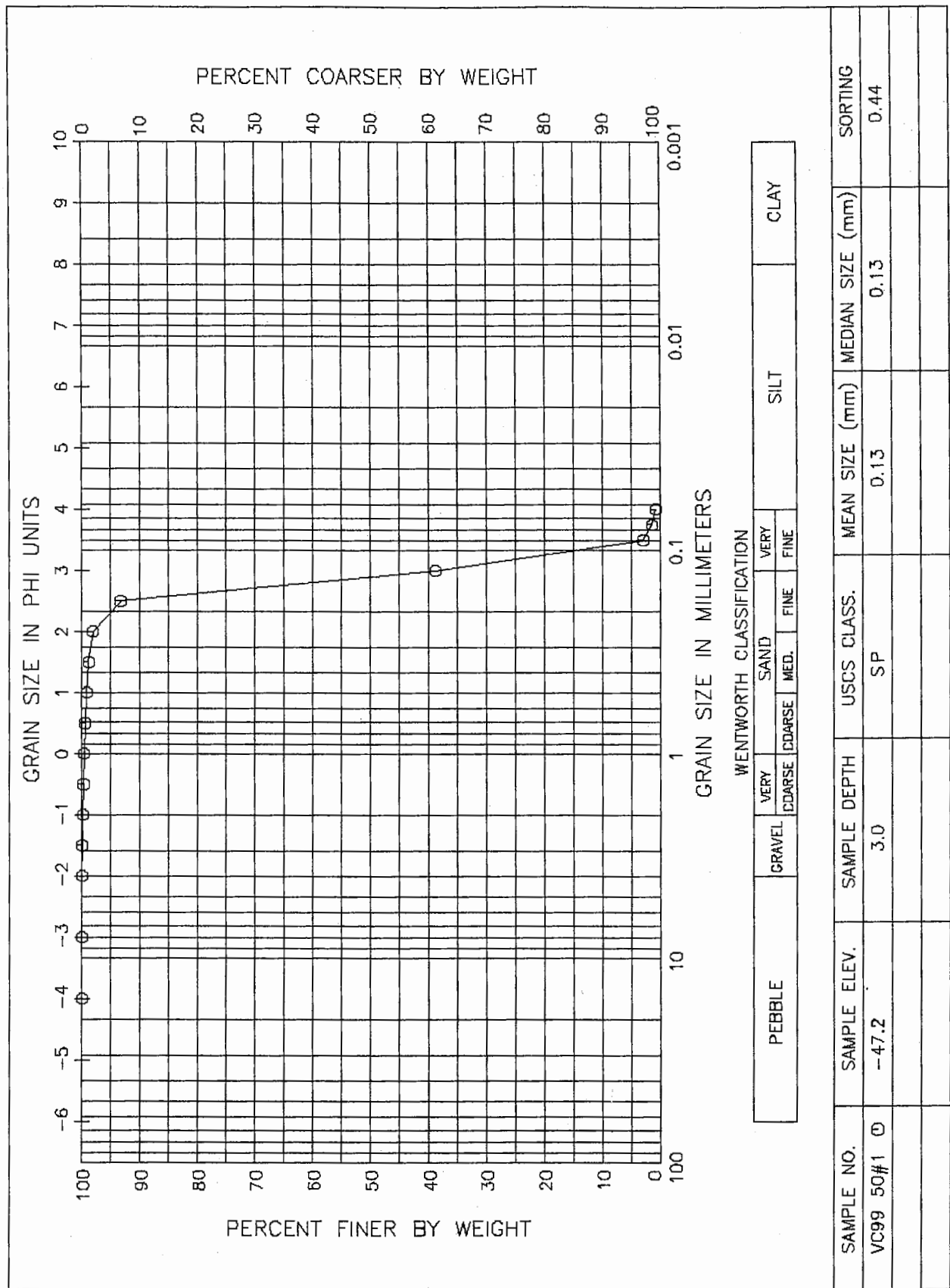
MOMENT METHOD

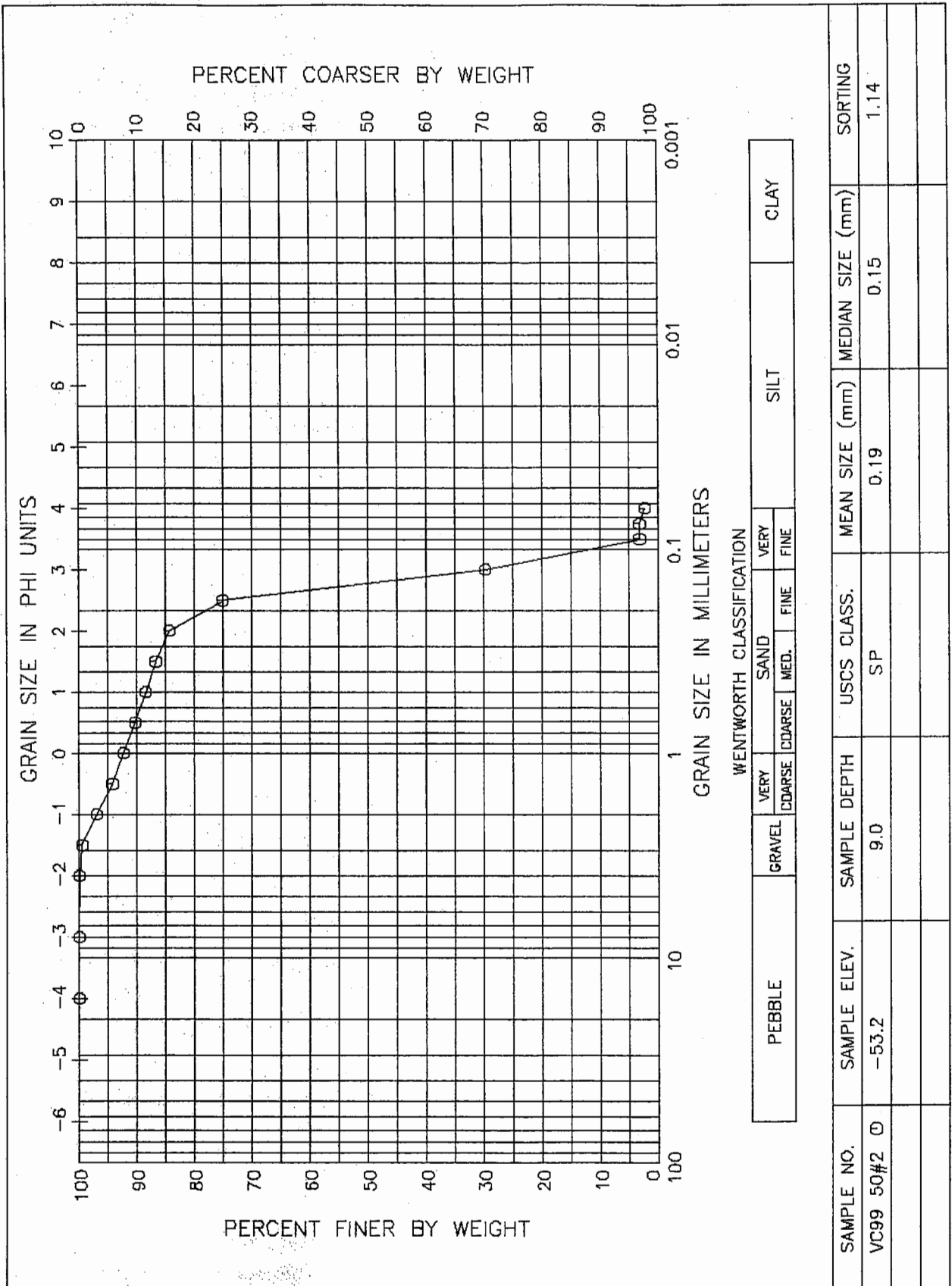
MEAN (PHI): 2.78

SORTING: 0.76

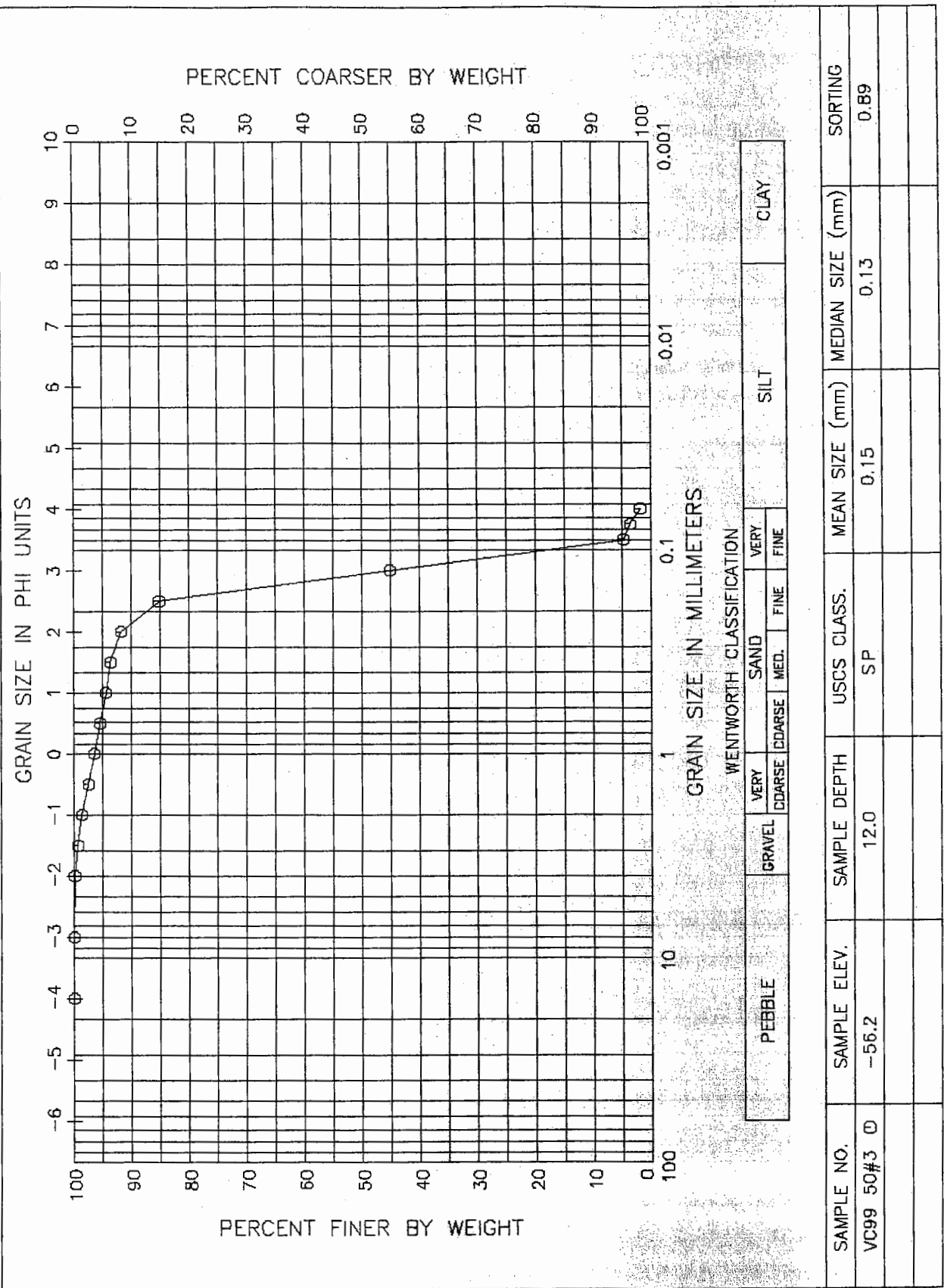
MEAN (mm): 0.15

DATA FILE NAME: VC99-50#4.TAB





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

