

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/7/1999

SAMPLE NO.: VC99 30#1

SAMPLE ELEV. (FT. NGVD): -40.2

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 188.37

SAMPLE WEIGHT AFTER WASH (GRAMS): 185.81

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	2.27	1.21	98.79
5	-2.00	4.000	4.05	2.15	97.85
7	-1.50	2.800	4.91	2.61	97.39
10	-1.00	2.000	6.32	3.36	96.64
14	-0.50	1.400	7.71	4.09	95.91
18	0.00	1.000	9.06	4.81	95.19
25	0.50	0.710	10.69	5.68	94.32
35	1.00	0.500	13.06	6.93	93.07
45	1.50	0.355	16.01	8.50	91.50
60	2.00	0.250	22.52	11.96	88.04
80	2.50	0.180	42.88	22.76	77.24
120	3.00	0.125	129.67	68.84	31.16
170	3.50	0.090	184.60	98.00	2.00
200	3.75	0.075	185.76	98.61	1.39
230	4.00	0.063	187.07	99.31	0.69
PAN			188.37	100.00	0.00

PHI(5): 0.11

PHI(16): 2.19

PHI(25): 2.52

PHI(50): 2.80

PHI(75): 3.11

PHI(84): 3.26

PHI(95): 3.45

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.39%

SKEWNESS: -1.895

KURTOSIS: 2.353

GRAPHIC METHOD

MEAN (PHI): 2.36

SORTING: 0.54

MEAN (mm): 0.19

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.53

SORTING: 1.16

MEAN (mm): 0.17

DATA FILE NAME: VC99-30#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/7/1999

SAMPLE NO.: VC99 30#2
SAMPLE ELEV. (FT. NGVD): -42.2
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 220.97
SAMPLE WEIGHT AFTER WASH (GRAMS): 215.49

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	0.04	0.02	99.98
7	-1.50	2.800	0.31	0.14	99.86
10	-1.00	2.000	0.45	0.20	99.80
14	-0.50	1.400	0.77	0.35	99.65
18	0.00	1.000	1.22	0.55	99.45
25	0.50	0.710	1.90	0.86	99.14
35	1.00	0.500	3.40	1.54	98.46
45	1.50	0.355	6.00	2.72	97.28
60	2.00	0.250	13.91	6.29	93.71
80	2.50	0.180	41.48	18.77	81.23
120	3.00	0.125	155.81	70.51	29.49
170	3.50	0.090	213.96	96.83	3.17
200	3.75	0.075	215.13	97.36	2.64
230	4.00	0.063	218.07	98.69	1.31
PAN			220.93	99.98	0.02

PHI(5): 1.82 PHI(16): 2.39 PHI(25): 2.56
PHI(50): 2.80 PHI(75): 3.09 PHI(84): 3.26
PHI(95): 3.47

SIEVE LOSS(g): 0.04 SILT/CLAY: 2.64%
SKEWNESS: -0.368 KURTOSIS: 1.285

GRAPHIC METHOD

MEAN (PHI): 2.75 SORTING: 0.43
MEAN (mm) : 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.74 SORTING: 0.55
MEAN (mm) : 0.15

DATA FILE NAME: VC99-30#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/9/99

SAMPLE NO.: VC99 30#3
SAMPLE ELEV. (FT. NGVD): -49.2
SAMPLE DEPTH (FT.): 11.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 221.93
SAMPLE WEIGHT AFTER WASH (GRAMS): 215.04

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	0.18	0.08	99.92
7	-1.50	2.800	0.40	0.18	99.82
10	-1.00	2.000	0.60	0.27	99.73
14	-0.50	1.400	0.95	0.43	99.57
18	0.00	1.000	1.36	0.61	99.39
25	0.50	0.710	1.95	0.88	99.12
35	1.00	0.500	3.21	1.45	98.55
45	1.50	0.355	6.01	2.71	97.29
60	2.00	0.250	13.93	6.28	93.72
80	2.50	0.180	46.02	20.74	79.26
120	3.00	0.125	172.45	77.70	22.30
170	3.50	0.090	213.39	96.15	3.85
200	3.75	0.075	214.42	96.62	3.38
230	4.00	0.063	218.36	98.39	1.61
PAN			221.91	99.99	0.01

PHI(5): 1.82 PHI(16): 2.34 PHI(25): 2.54
PHI(50): 2.76 PHI(75): 2.98 PHI(84): 3.17
PHI(95): 3.47

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.38%
SKEWNESS: -0.268 KURTOSIS: 1.539

GRAPHIC METHOD

MEAN (PHI): 2.71 SORTING: 0.42
MEAN (mm): 0.15 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.70 SORTING: 0.55
MEAN (mm): 0.15

DATA FILE NAME: VC99-30#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/9/99

SAMPLE NO.: VC99 30#4

SAMPLE ELEV. (FT. NGVD): -53.2

SAMPLE DEPTH (FT.): 15.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 205.77

SAMPLE WEIGHT AFTER WASH (GRAMS): 197.05

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	0.41	0.20	99.80
5	-2.00	4.000	2.84	1.38	98.62
7	-1.50	2.800	4.50	2.19	97.81
10	-1.00	2.000	6.32	3.07	96.93
14	-0.50	1.400	9.43	4.58	95.42
18	0.00	1.000	12.33	5.99	94.01
25	0.50	0.710	15.43	7.50	92.50
35	1.00	0.500	19.88	9.66	90.34
45	1.50	0.355	24.82	12.06	87.94
60	2.00	0.250	32.22	15.66	84.34
80	2.50	0.180	55.84	27.14	72.86
120	3.00	0.125	161.39	78.43	21.57
170	3.50	0.090	196.23	95.36	4.64
200	3.75	0.075	196.83	95.66	4.34
230	4.00	0.063	201.36	97.86	2.14
PAN			205.76	100.00	0.00

PHI (5): -0.35

PHI (16): 2.01

PHI (25): 2.41

PHI (50): 2.72

PHI (75): 2.97

PHI (84): 3.16

PHI (95): 3.49

SIEVE LOSS (g): 0.01

SILT/CLAY: 4.34%

SKEWNESS: -2.008

KURTOSIS: 2.813

GRAPHIC METHOD

MEAN (PHI): 2.21

SORTING: 0.57

MEAN (mm): 0.22

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

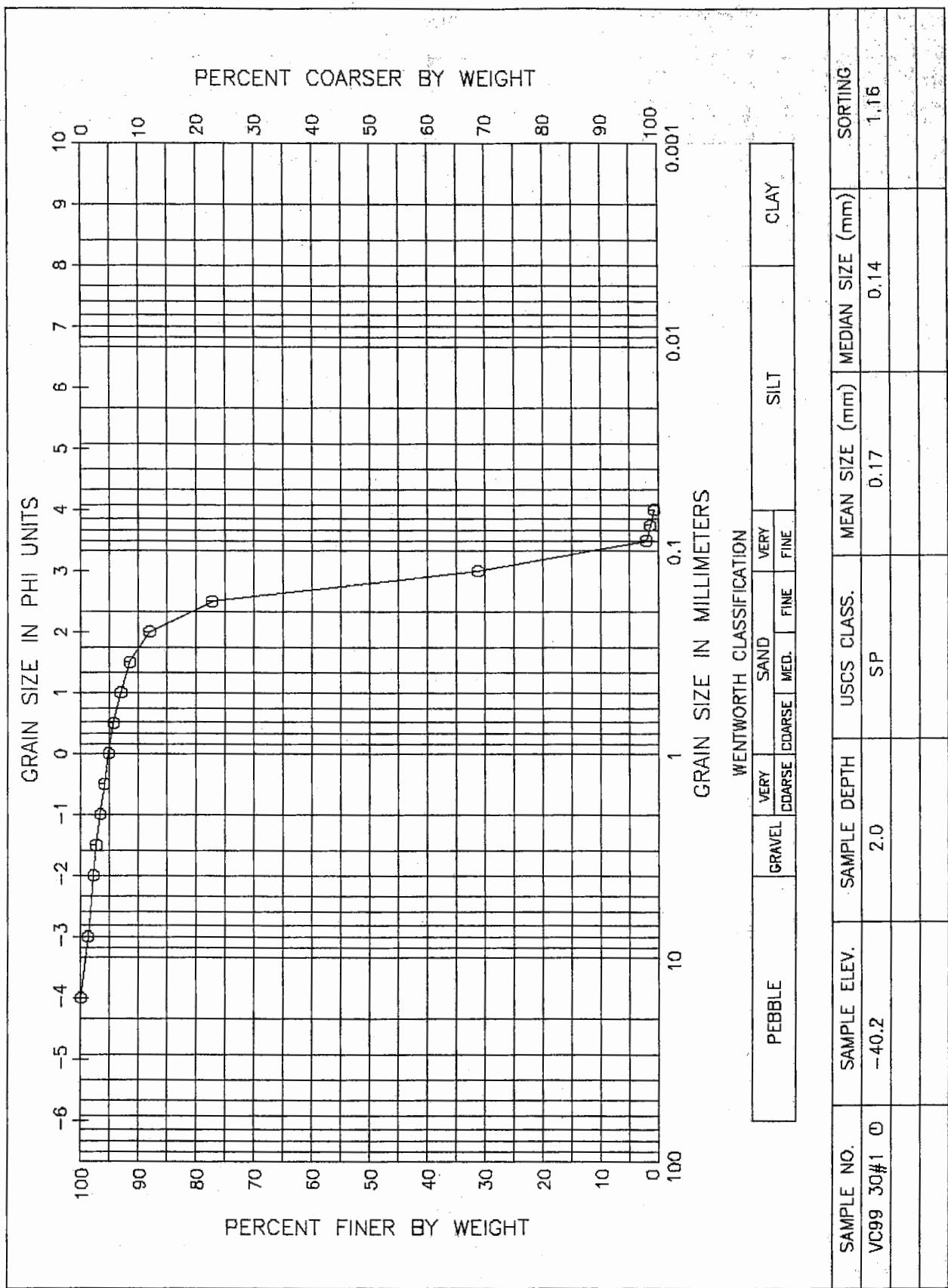
MOMENT METHOD

MEAN (PHI): 2.40

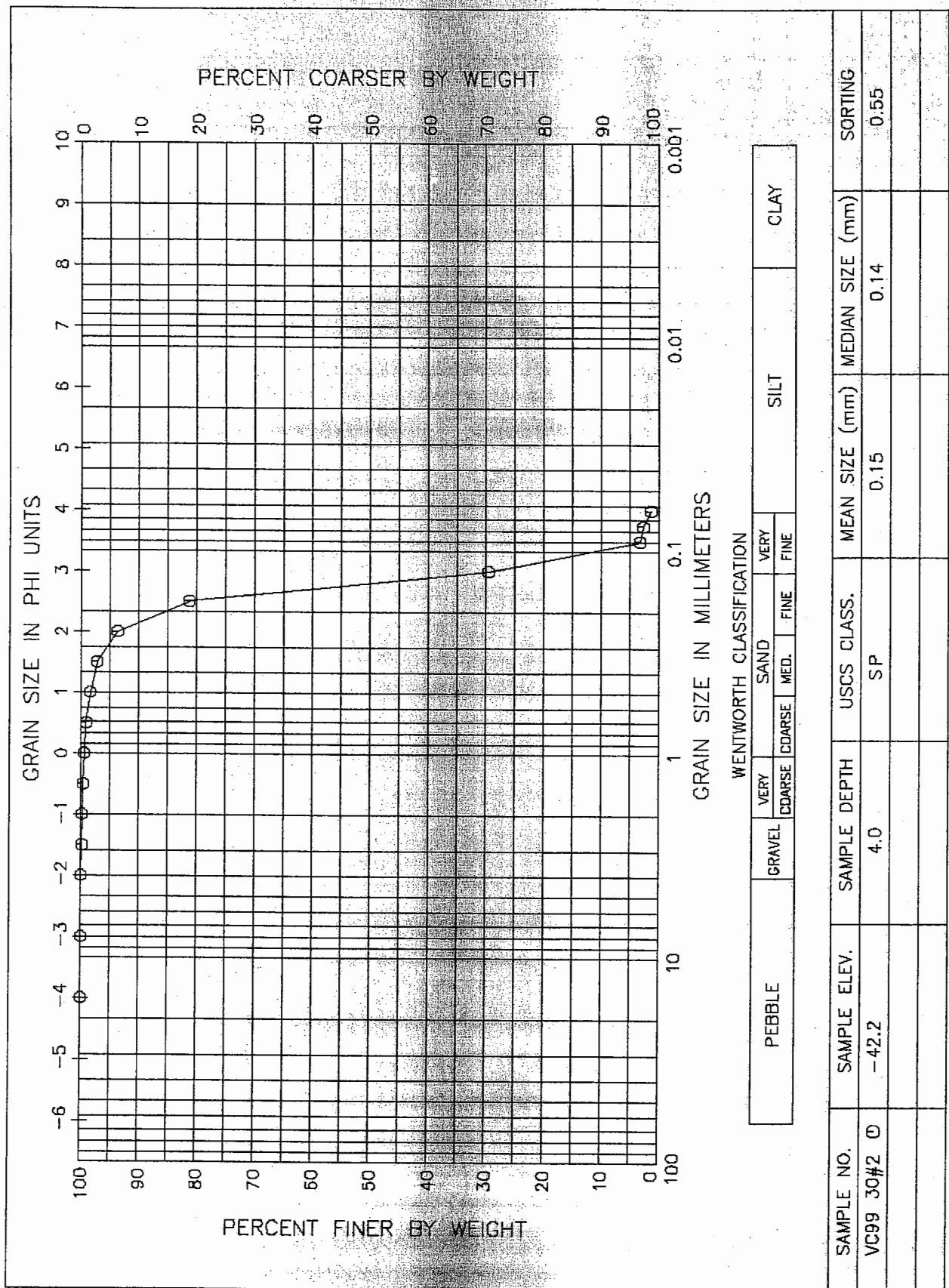
SORTING: 1.14

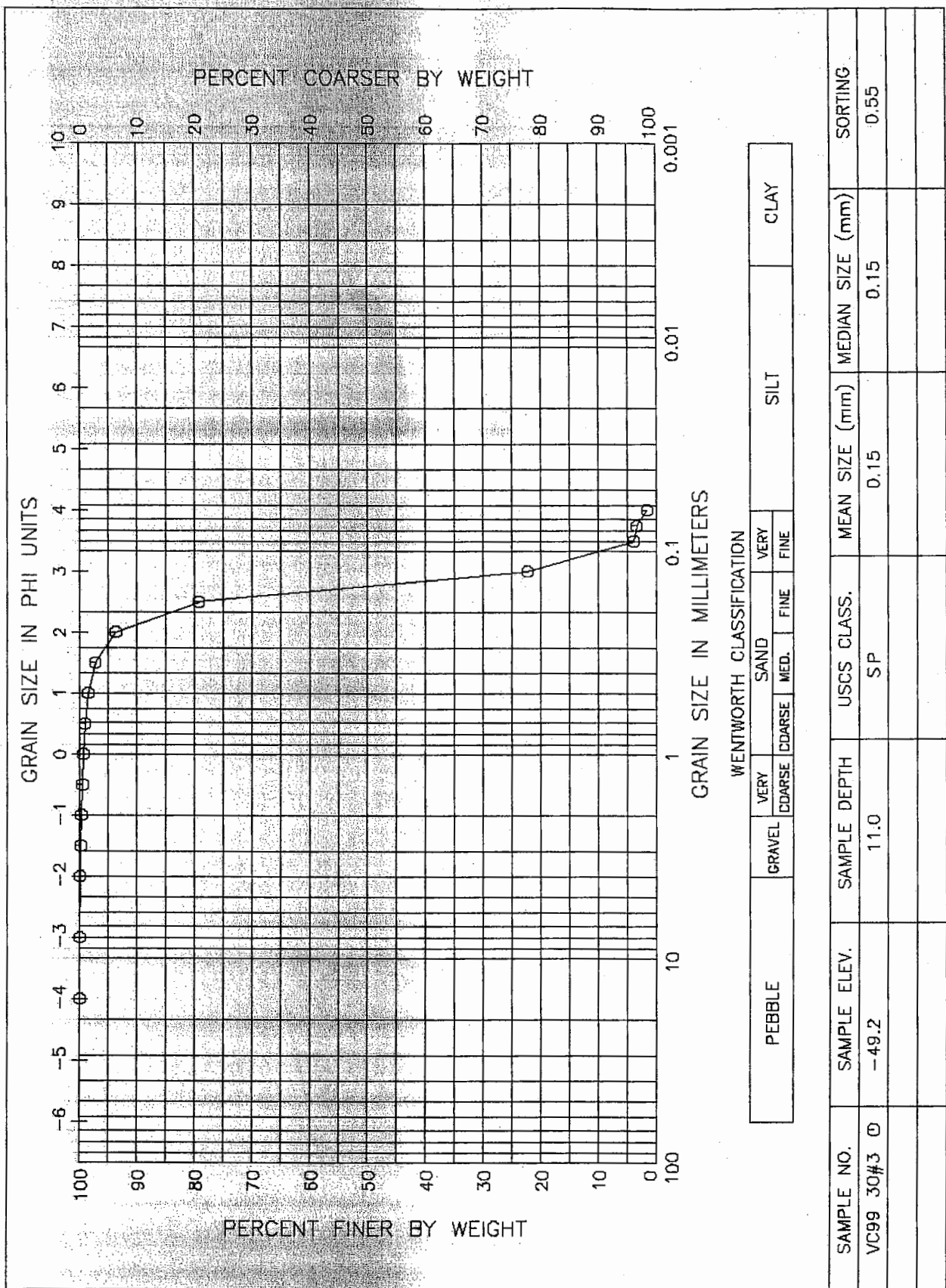
MEAN (mm): 0.19

DATA FILE NAME: VC99-30#4.TAB

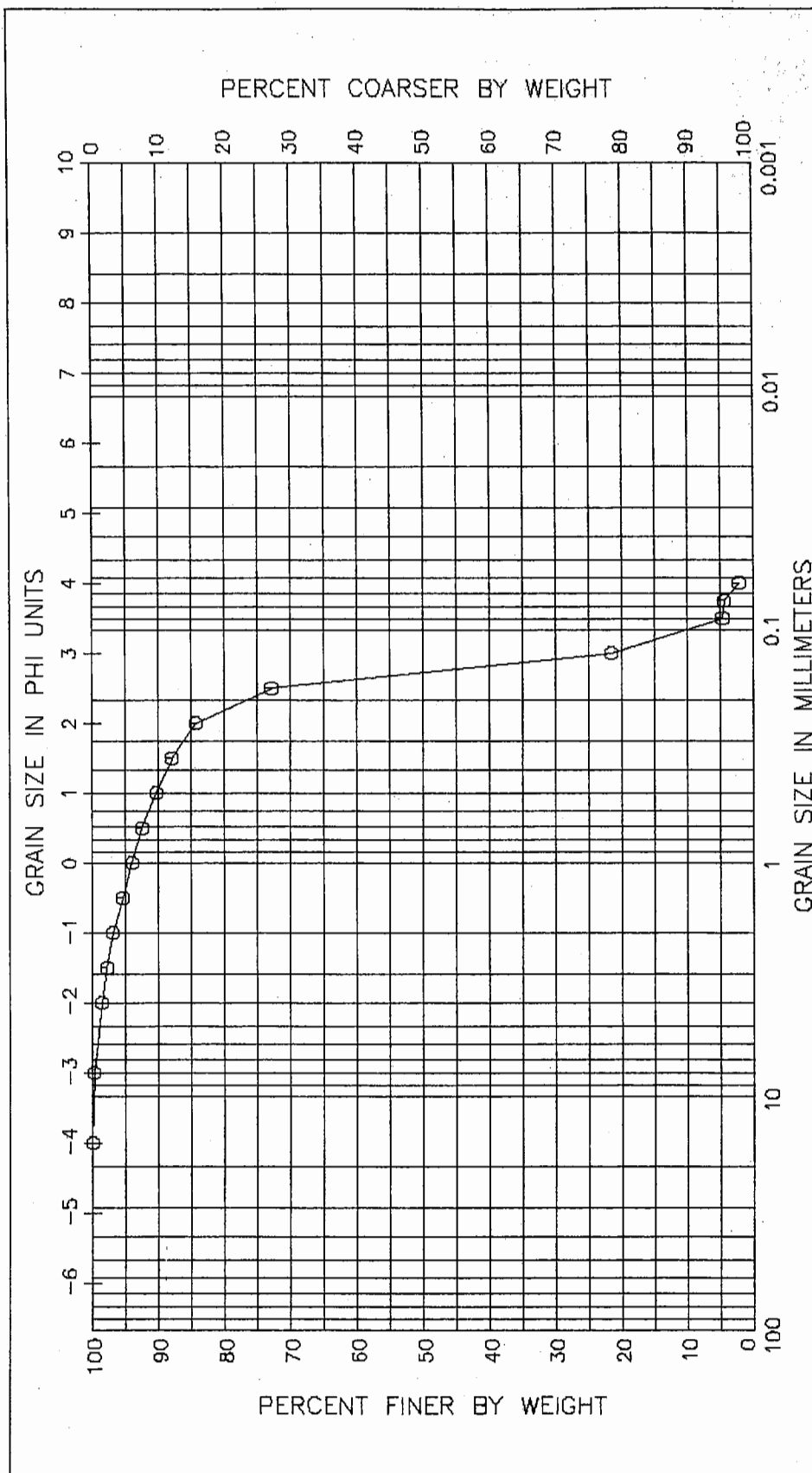


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND				SILT	CLAY
		VERY COARSE	COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
V099 30#4 0	-53.2	15.0	SP	0.19	0.15	1.14

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH