

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW            ON: 5/11/99

SAMPLE NO.: VC99 11#1  
SAMPLE ELEV. (FT. NGVD): -54.2  
SAMPLE DEPTH (FT.): 3.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 90.04  
SAMPLE WEIGHT AFTER WASH (GRAMS): 88.33

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	0.19	0.21	99.79
5	-2.00	4.000	0.34	0.38	99.62
7	-1.50	2.800	0.65	0.72	99.28
10	-1.00	2.000	0.72	0.80	99.20
14	-0.50	1.400	0.87	0.97	99.03
18	0.00	1.000	1.00	1.11	98.89
25	0.50	0.710	1.17	1.30	98.70
35	1.00	0.500	1.50	1.67	98.33
45	1.50	0.355	2.08	2.31	97.69
60	2.00	0.250	3.70	4.11	95.89
80	2.50	0.180	10.66	11.84	88.16
120	3.00	0.125	61.98	68.84	31.16
170	3.50	0.090	87.11	96.75	3.25
200	3.75	0.075	88.22	97.98	2.02
230	4.00	0.063	89.13	98.98	1.02
PAN			90.04	100.00	0.00

PHI(5): 2.06            PHI(16): 2.54            PHI(25): 2.62  
PHI(50): 2.83            PHI(75): 3.11            PHI(84): 3.27  
PHI(95): 3.47

SIEVE LOSS(g): 0.00            SILT/CLAY: 2.02%  
SKEWNESS: -0.195            KURTOSIS: 1.168

GRAPHIC METHOD

MEAN (PHI): 2.83            SORTING: 0.37  
MEAN (mm) : 0.14            MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.78            SORTING: 0.65  
MEAN (mm) : 0.15

DATA FILE NAME: VC99-11#1.TAB

GRADATION ANALYSIS REPORT  
 TOWN OF PALM BEACH  
 TESTED BY: RW            ON: 5/11/99

SAMPLE NO.: VC99 11#2  
 SAMPLE ELEV. (FT. NGVD): 58.2 7  
 SAMPLE DEPTH (FT.): .5  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 88.75  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 87.05

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	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.09	0.10	99.90
10	-1.00	2.000	0.11	0.12	99.88
14	-0.50	1.400	0.17	0.19	99.81
18	0.00	1.000	0.23	0.26	99.74
25	0.50	0.710	0.29	0.33	99.67
35	1.00	0.500	0.48	0.54	99.46
45	1.50	0.355	1.00	1.13	98.87
60	2.00	0.250	2.46	2.77	97.23
80	2.50	0.180	9.15	10.31	89.69
120	3.00	0.125	50.97	57.43	42.57
170	3.50	0.090	83.56	94.15	5.85
200	3.75	0.075	86.51	97.48	2.52
230	4.00	0.063	87.79	98.92	1.08
PAN			88.74	99.99	0.01

PHI (5): 2.15            PHI (16): 2.56            PHI (25): 2.66  
 PHI (50): 2.92            PHI (75): 3.24            PHI (84): 3.36  
 PHI (95): 3.56

SIEVE LOSS (g): 0.01            SILT/CLAY: 2.52%  
 SKEWNESS: -0.163            KURTOSIS: 0.995

GRAPHIC METHOD

MEAN (PHI): 2.91            SORTING: 0.40  
 MEAN (mm) : 0.13            MEDIAN (mm): 0.13  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.90            SORTING: 0.46  
 MEAN (mm) : 0.13

DATA FILE NAME: VC99-11#2.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW            ON: 5/11/99

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SAMPLE NO.: VC99 11#3  
SAMPLE ELEV. (FT. NGVD): -65.2  
SAMPLE DEPTH (FT.): 14.5  
SAMPLE TYPE: CORE SAMPLE  
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USCS DESCRIPTION: SP  
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DRY SAMPLE WEIGHT (GRAMS): 82.73  
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.55  
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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	0.30	0.36	99.64
5	-2.00	4.000	0.81	0.98	99.02
7	-1.50	2.800	1.29	1.56	98.44
10	-1.00	2.000	1.77	2.14	97.86
14	-0.50	1.400	2.28	2.76	97.24
18	0.00	1.000	2.68	3.24	96.76
25	0.50	0.710	3.13	3.78	96.22
35	1.00	0.500	3.73	4.51	95.49
45	1.50	0.355	4.31	5.21	94.79
60	2.00	0.250	5.81	7.02	92.98
80	2.50	0.180	10.97	13.26	86.74
120	3.00	0.125	47.05	56.87	43.13
170	3.50	0.090	79.70	96.34	3.66
200	3.75	0.075	80.42	97.21	2.79
230	4.00	0.063	81.56	98.59	1.41
PAN			82.69	99.95	0.05

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PHI (5): 1.35            PHI (16): 2.53            PHI (25): 2.63  
PHI (50): 2.92            PHI (75): 3.23            PHI (84): 3.34  
PHI (95): 3.48  
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SIEVE LOSS (g): 0.04            SILT/CLAY: 2.79%  
SKEWNESS: -1.242            KURTOSIS: 1.469  
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GRAPHIC METHOD

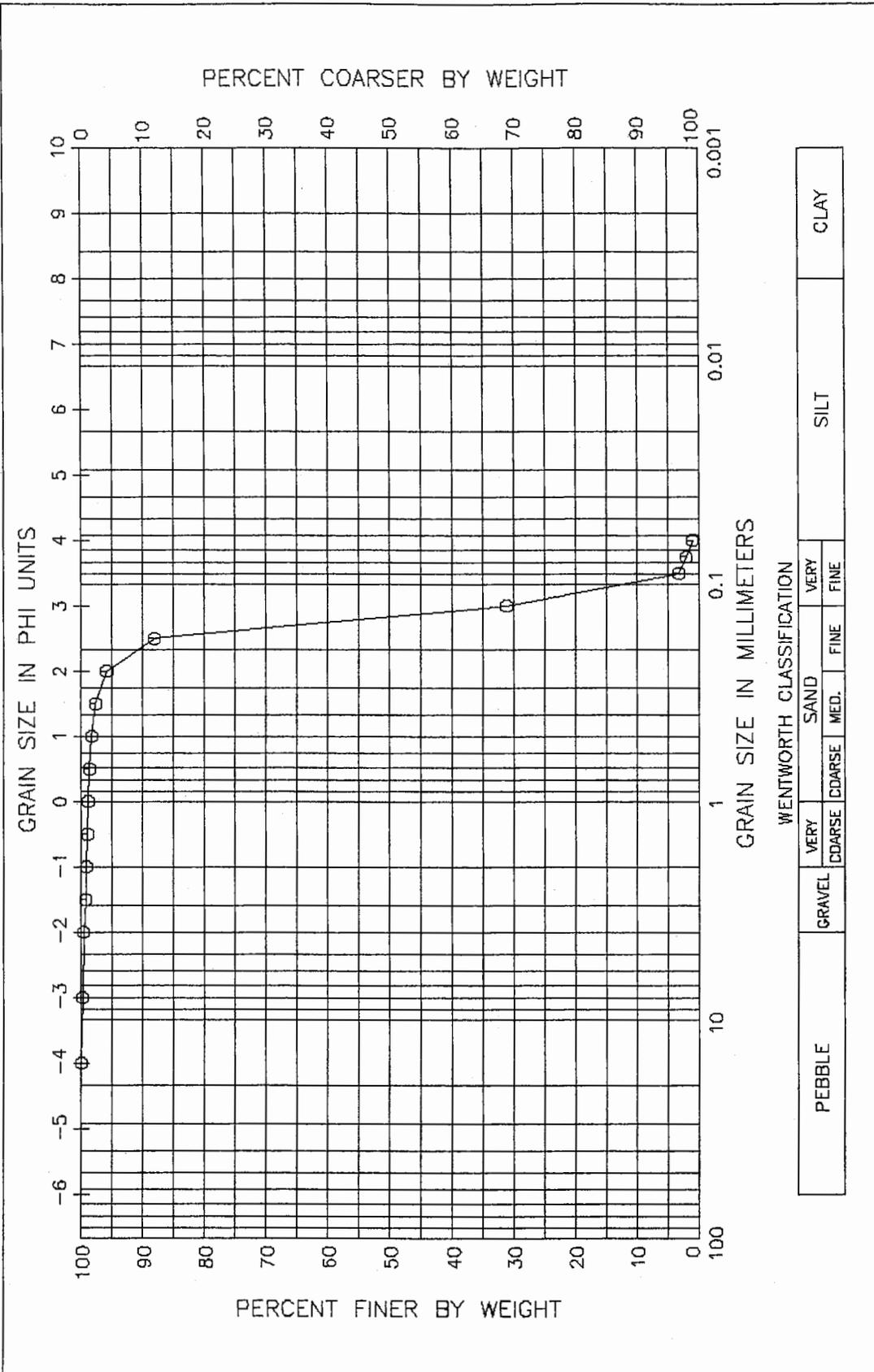
MEAN (PHI): 2.73            SORTING: 0.41  
MEAN (mm) : 0.15            MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
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MOMENT METHOD

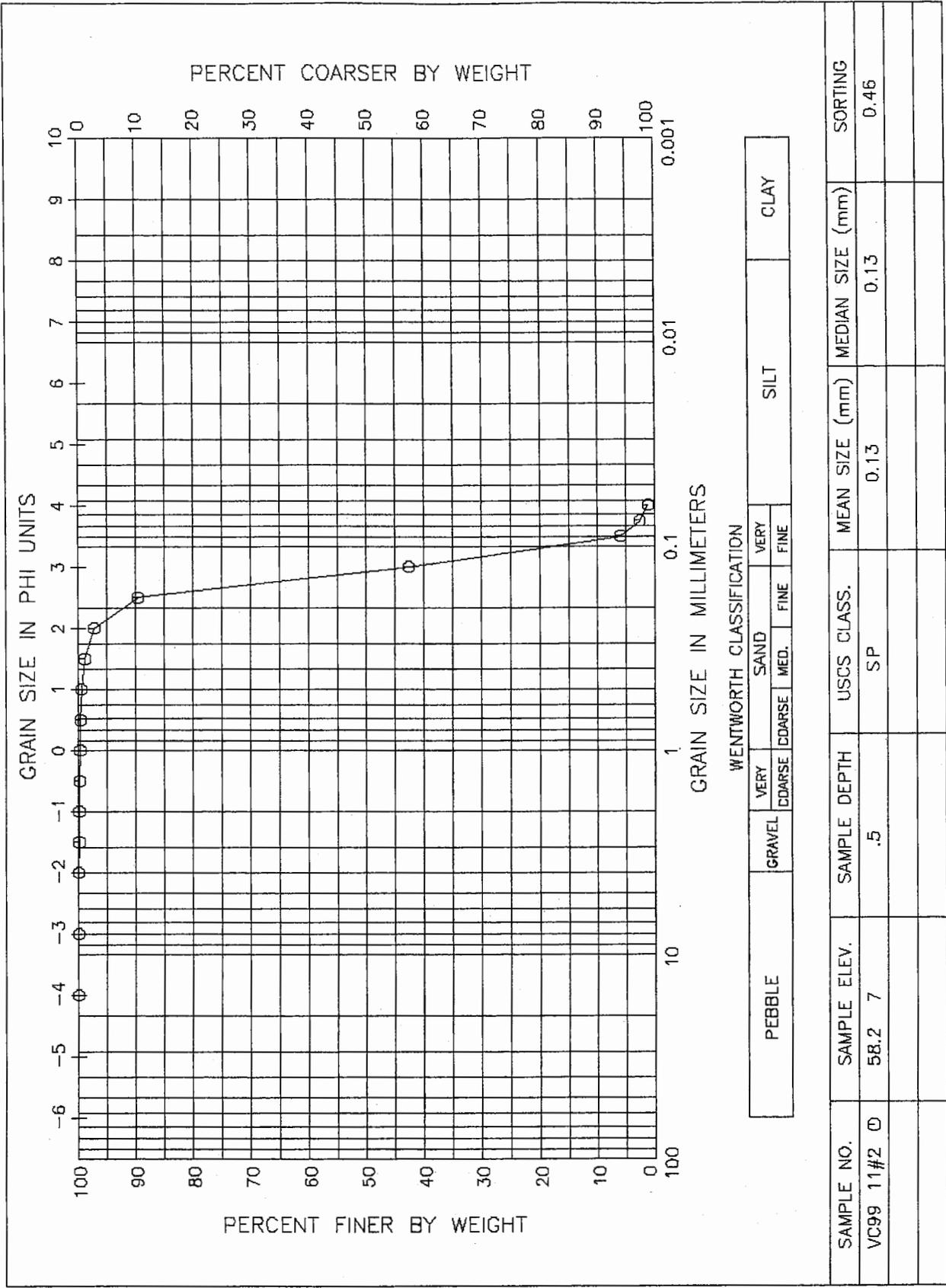
MEAN (PHI): 2.74            SORTING: 0.94  
MEAN (mm) : 0.15  
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DATA FILE NAME: VC99-11#3.TAB

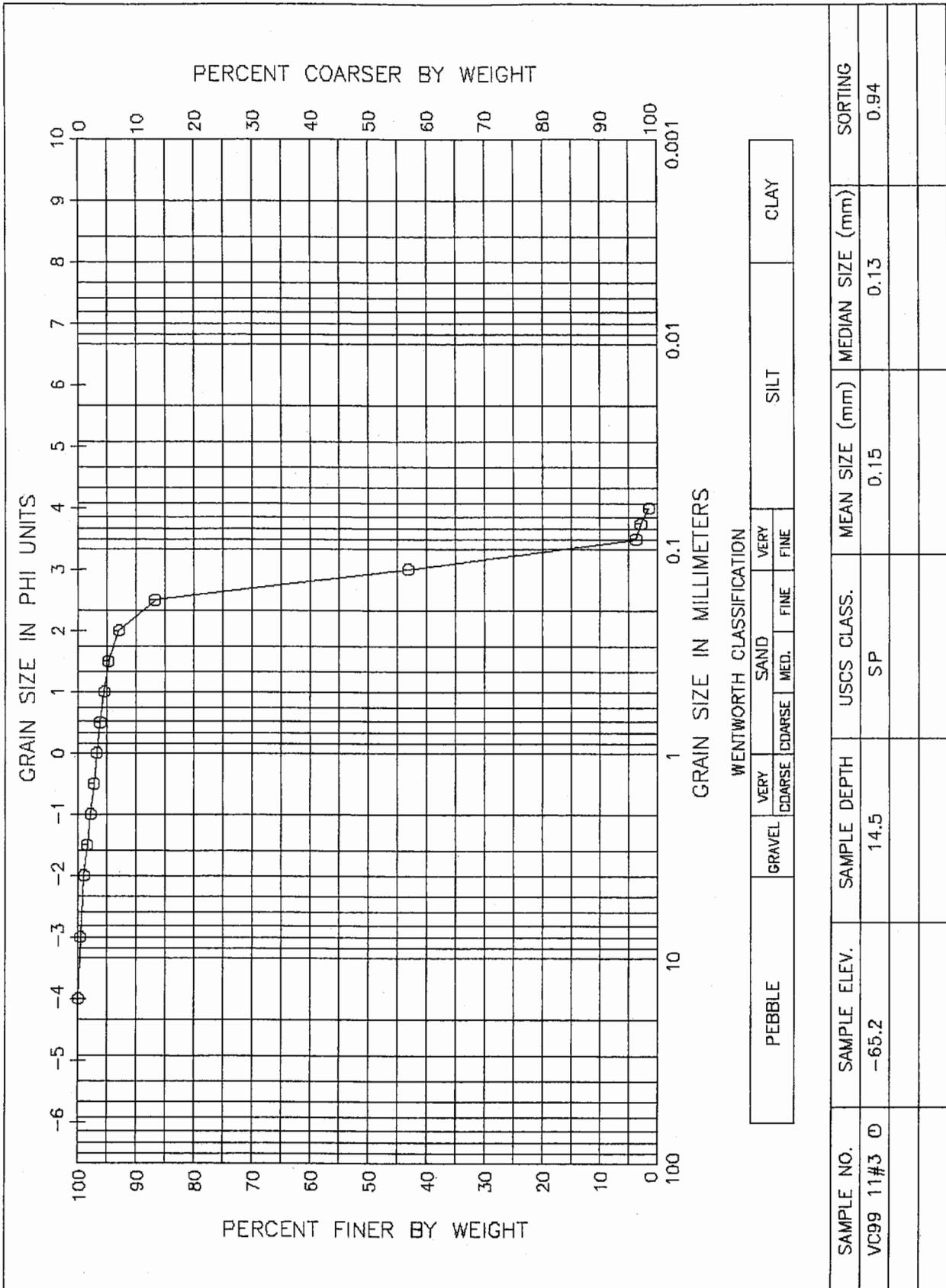


SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 11#1 O	-54.2	3.5	SP	0.15	0.14	0.65

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH