

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 17#1
 SAMPLE ELEV. (FT. NGVD): -64.6
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.64
 SAMPLE WEIGHT AFTER WASH (GRAMS): 81.44

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	0.03	0.04	99.96
10	-1.00	2.000	0.05	0.06	99.94
14	-0.50	1.400	0.10	0.12	99.88
18	0.00	1.000	0.13	0.16	99.84
25	0.50	0.710	0.21	0.25	99.75
35	1.00	0.500	0.37	0.45	99.55
45	1.50	0.355	0.57	0.69	99.31
60	2.00	0.250	1.14	1.38	98.62
80	2.50	0.180	3.73	4.51	95.49
120	3.00	0.125	44.23	53.52	46.48
170	3.50	0.090	79.80	96.56	3.44
200	3.75	0.075	81.32	98.40	1.60
230	4.00	0.063	82.03	99.26	0.74
PAN			82.63	99.99	0.01

PHI (5): 2.50 PHI (16): 2.62 PHI (25): 2.71
 PHI (50): 2.96 PHI (75): 3.25 PHI (84): 3.35
 PHI (95): 3.48

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.60%
 SKEWNESS: 0.080 KURTOSIS: 0.741

GRAPHIC METHOD

MEAN (PHI): 2.98 SORTING: 0.37
 MEAN (mm) : 0.13 MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.95 SORTING: 0.39
 MEAN (mm) : 0.13

DATA FILE NAME: VC99-17#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 17#2
SAMPLE ELEV. (FT. NGVD): -69.6
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.92
SAMPLE WEIGHT AFTER WASH (GRAMS): 81.46

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	0.00	0.00	100.00
10	-1.00	2.000	0.13	0.16	99.84
14	-0.50	1.400	0.24	0.29	99.71
18	0.00	1.000	0.37	0.45	99.55
25	0.50	0.710	0.57	0.69	99.31
35	1.00	0.500	1.00	1.21	98.79
45	1.50	0.355	1.55	1.87	98.13
60	2.00	0.250	2.96	3.57	96.43
80	2.50	0.180	8.16	9.84	90.16
120	3.00	0.125	46.33	55.87	44.13
170	3.50	0.090	79.99	96.47	3.53
200	3.75	0.075	81.31	98.06	1.94
230	4.00	0.063	82.15	99.07	0.93
PAN			82.89	99.96	0.04

PHI (5): 2.11 PHI (16): 2.57 PHI (25): 2.66
PHI (50): 2.94 PHI (75): 3.24 PHI (84): 3.35
PHI (95): 3.48

SIEVE LOSS (g): 0.03 SILT/CLAY: 1.94%
SKEWNESS: -0.355 KURTOSIS: 0.982

GRAPHIC METHOD

MEAN (PHI): 2.89 SORTING: 0.39
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.89 SORTING: 0.50
MEAN (mm): 0.13

DATA FILE NAME: VC99-17#2.TAB

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

SAMPLE NO.: VC99 17#3
SAMPLE ELEV. (FT. NGVD): -76.2
SAMPLE DEPTH (FT.): 15.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.94
SAMPLE WEIGHT AFTER WASH (GRAMS): 76.73

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	1.26	1.60	98.40
5	-2.00	4.000	2.11	2.67	97.33
7	-1.50	2.800	3.35	4.24	95.76
10	-1.00	2.000	4.90	6.21	93.79
14	-0.50	1.400	4.92	6.23	93.77
18	0.00	1.000	6.89	8.73	91.27
25	0.50	0.710	9.92	12.57	87.43
35	1.00	0.500	14.17	17.95	82.05
45	1.50	0.355	19.31	24.46	75.54
60	2.00	0.250	24.55	31.10	68.90
80	2.50	0.180	32.53	41.21	58.79
120	3.00	0.125	62.47	79.14	20.86
170	3.50	0.090	75.82	96.05	3.95
200	3.75	0.075	76.59	97.02	2.98
230	4.00	0.063	77.79	98.55	1.45
PAN			78.94	100.00	0.00

PHI (5): -1.31 PHI (16): 0.82 PHI (25): 1.54
PHI (50): 2.62 PHI (75): 2.95 PHI (84): 3.14
PHI (95): 3.47

SIEVE LOSS (g): 0.00 SILT/CLAY: 2.98%
SKEWNESS: -1.321 KURTOSIS: 1.393

GRAPHIC METHOD

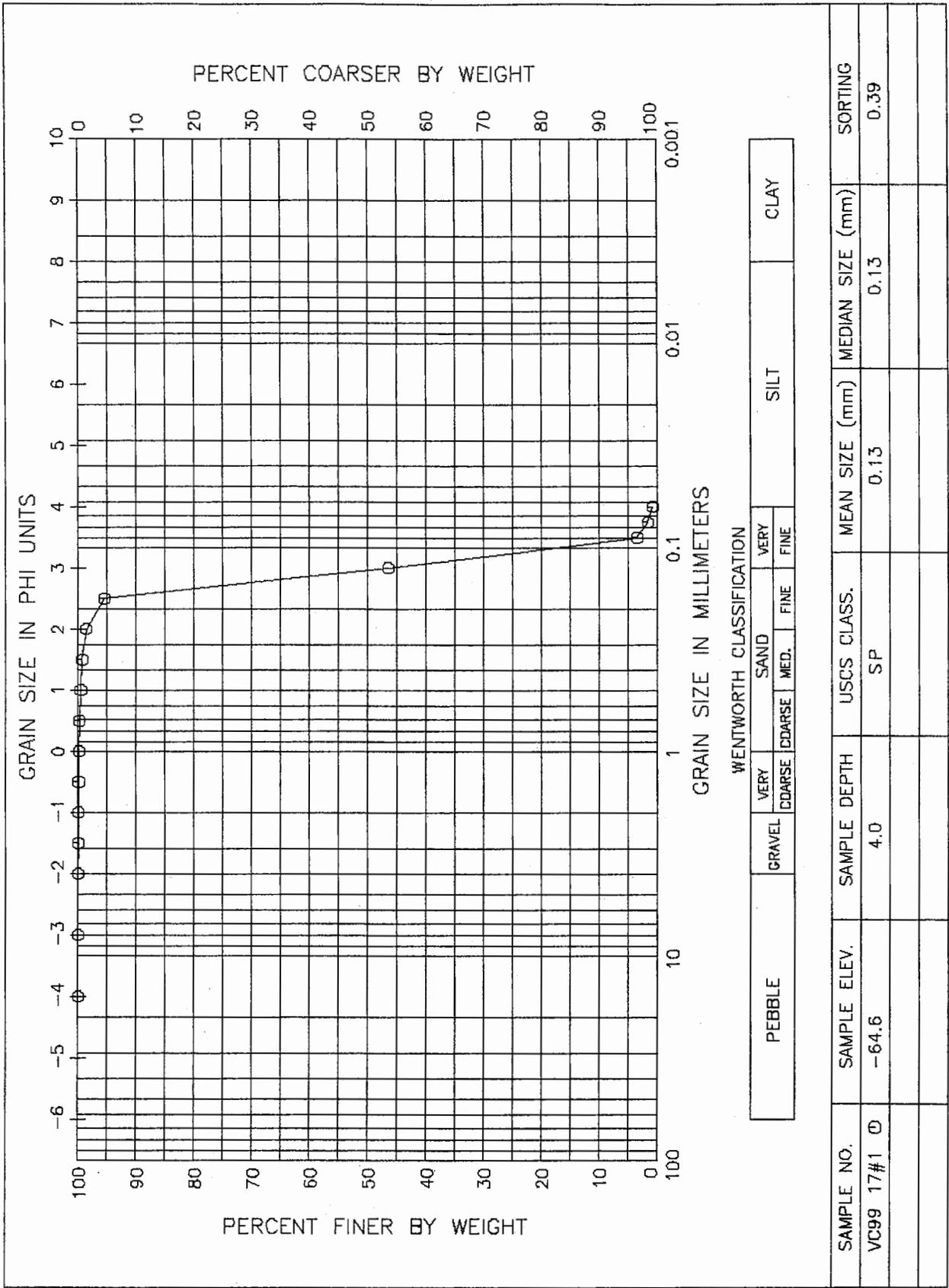
MEAN (PHI): 1.75 SORTING: 1.16
MEAN (mm): 0.30 MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

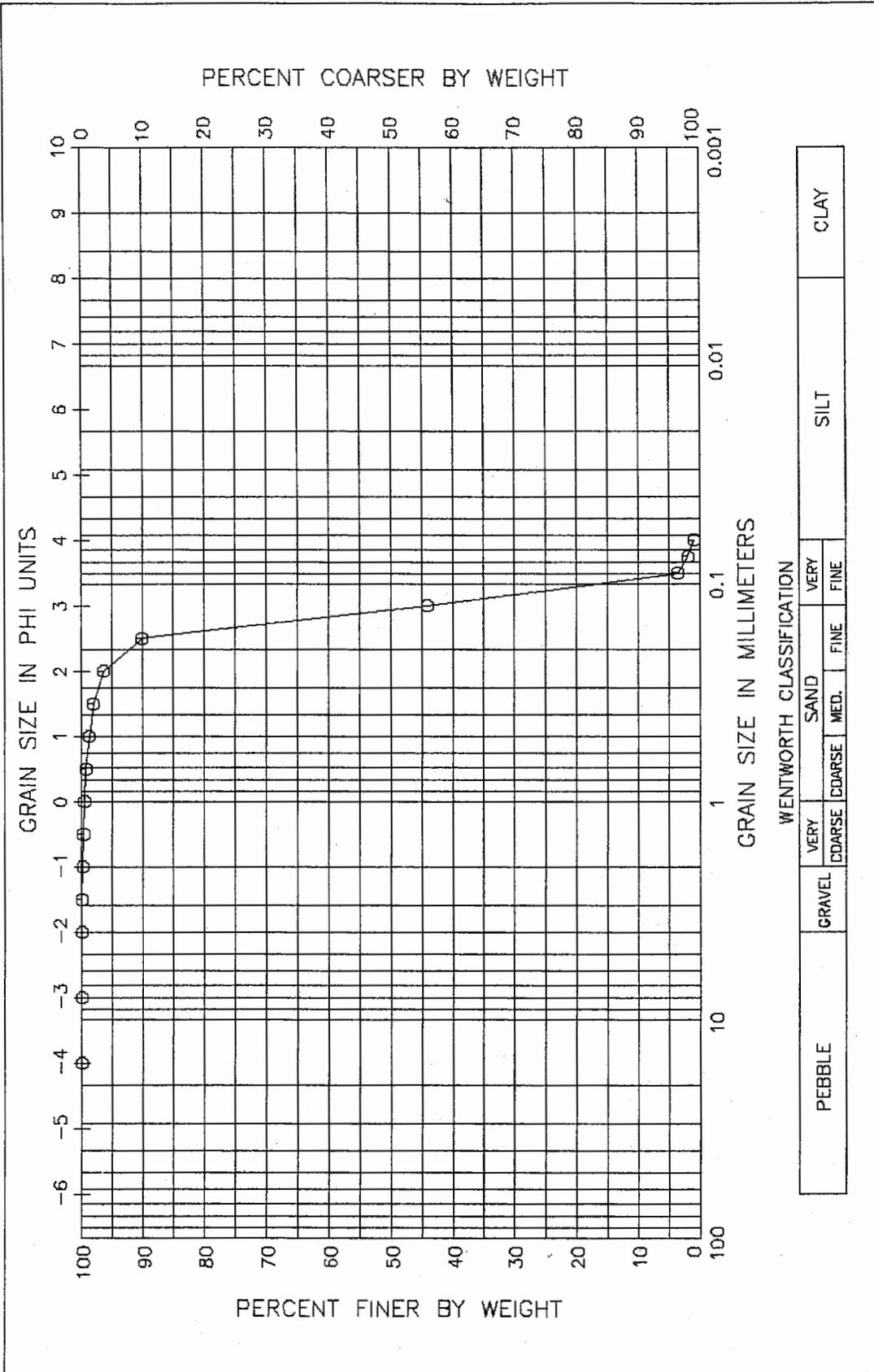
MOMENT METHOD

MEAN (PHI): 2.05 SORTING: 1.45
MEAN (mm): 0.24

DATA FILE NAME: VC99-17#3.TAB

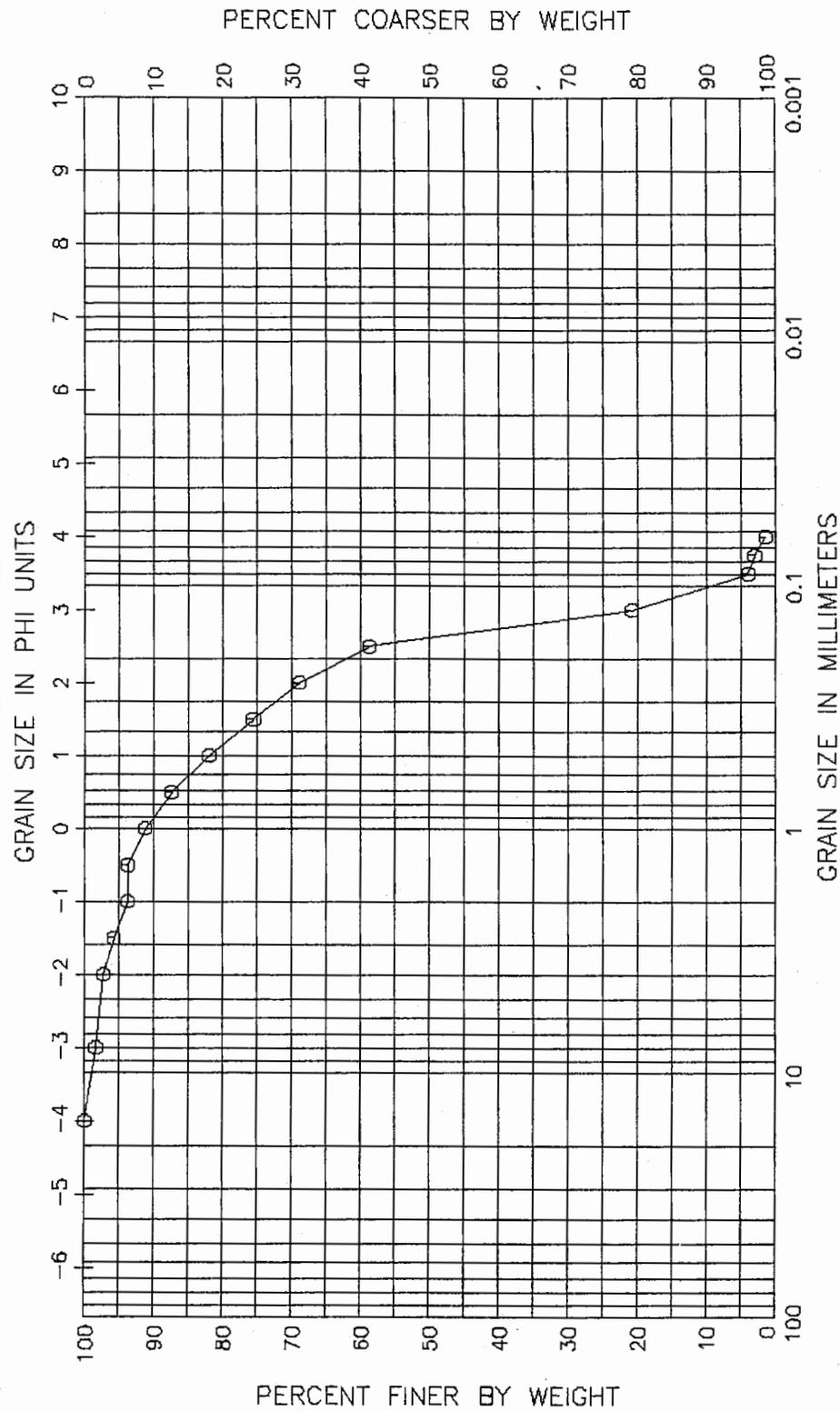


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 17#2	-69.6	9.0	SP	0.13	0.13	0.50

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH