

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 60#1
 SAMPLE ELEV. (FT. NGVD): -36.9
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 208.91
 SAMPLE WEIGHT AFTER WASH (GRAMS): 206.10

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	0.29	0.14	99.86
5	-2.00	4.000	0.79	0.38	99.62
7	-1.50	2.800	1.16	0.56	99.44
10	-1.00	2.000	1.88	0.90	99.10
14	-0.50	1.400	2.81	1.35	98.65
18	0.00	1.000	4.19	2.01	97.99
25	0.50	0.710	6.00	2.87	97.13
35	1.00	0.500	9.72	4.65	95.35
45	1.50	0.355	14.80	7.08	92.92
60	2.00	0.250	25.49	12.20	87.80
80	2.50	0.180	53.57	25.64	74.36
120	3.00	0.125	142.52	68.22	31.78
170	3.50	0.090	199.27	95.39	4.61
200	3.75	0.075	205.71	98.47	1.53
230	4.00	0.063	207.35	99.25	0.75
PAN			208.91	100.00	0.00

PHI (5): 1.07 PHI (16): 2.14 PHI (25): 2.48
 PHI (50): 2.79 PHI (75): 3.12 PHI (84): 3.29
 PHI (95): 3.49

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.53%
 SKEWNESS: -0.877 KURTOSIS: 1.530

GRAPHIC METHOD

MEAN (PHI): 2.56 SORTING: 0.57
 MEAN (mm) : 0.17 MEDIAN (mm): 0.14
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.63 SORTING: 0.83
 MEAN (mm) : 0.16

DATA FILE NAME: VC99-60#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 60#2
SAMPLE ELEV. (FT. NGVD): -41.9
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 200.29
SAMPLE WEIGHT AFTER WASH (GRAMS): 197.37

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	4.06	2.03	97.97
5	-2.00	4.000	5.13	2.56	97.44
7	-1.50	2.800	5.86	2.93	97.07
10	-1.00	2.000	6.78	3.39	96.61
14	-0.50	1.400	7.87	3.93	96.07
18	0.00	1.000	9.15	4.57	95.43
25	0.50	0.710	10.49	5.24	94.76
35	1.00	0.500	12.39	6.19	93.81
45	1.50	0.355	14.93	7.45	92.55
60	2.00	0.250	21.73	10.85	89.15
80	2.50	0.180	44.62	22.28	77.72
120	3.00	0.125	135.11	67.46	32.54
170	3.50	0.090	192.72	96.22	3.78
200	3.75	0.075	196.74	98.23	1.77
230	4.00	0.063	198.55	99.13	0.87
PAN			200.30	100.00	0.00

PHI(5): 0.32 PHI(16): 2.23 PHI(25): 2.53
PHI(50): 2.81 PHI(75): 3.13 PHI(84): 3.29
PHI(95): 3.48

SIEVE LOSS (g): -0.01 SILT/CLAY: 1.77%
SKEWNESS: -1.706 KURTOSIS: 2.152

GRAPHIC METHOD

MEAN (PHI): 2.42 SORTING: 0.53
MEAN (mm) : 0.19 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.55 SORTING: 1.20
MEAN (mm) : 0.17

DATA FILE NAME: VC99-60#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 60#3
SAMPLE ELEV. (FT. NGVD): -46.9
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 198.84
SAMPLE WEIGHT AFTER WASH (GRAMS): 196.25

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	0.10	0.05	99.95
7	-1.50	2.800	0.15	0.08	99.92
10	-1.00	2.000	0.19	0.10	99.90
14	-0.50	1.400	0.38	0.19	99.81
18	0.00	1.000	0.78	0.39	99.61
25	0.50	0.710	1.61	0.81	99.19
35	1.00	0.500	3.24	1.63	98.37
45	1.50	0.355	6.38	3.21	96.79
60	2.00	0.250	18.86	9.49	90.51
80	2.50	0.180	59.75	30.05	69.95
120	3.00	0.125	151.75	76.32	23.68
170	3.50	0.090	195.03	98.08	1.92
200	3.75	0.075	195.71	98.43	1.57
230	4.00	0.063	197.32	99.23	0.77
PAN			198.83	99.99	0.01

PHI (5): 1.64 PHI (16): 2.16 PHI (25): 2.38
PHI (50): 2.72 PHI (75): 2.99 PHI (84): 3.18
PHI (95): 3.43

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.57%
SKEWNESS: -0.353 KURTOSIS: 1.203

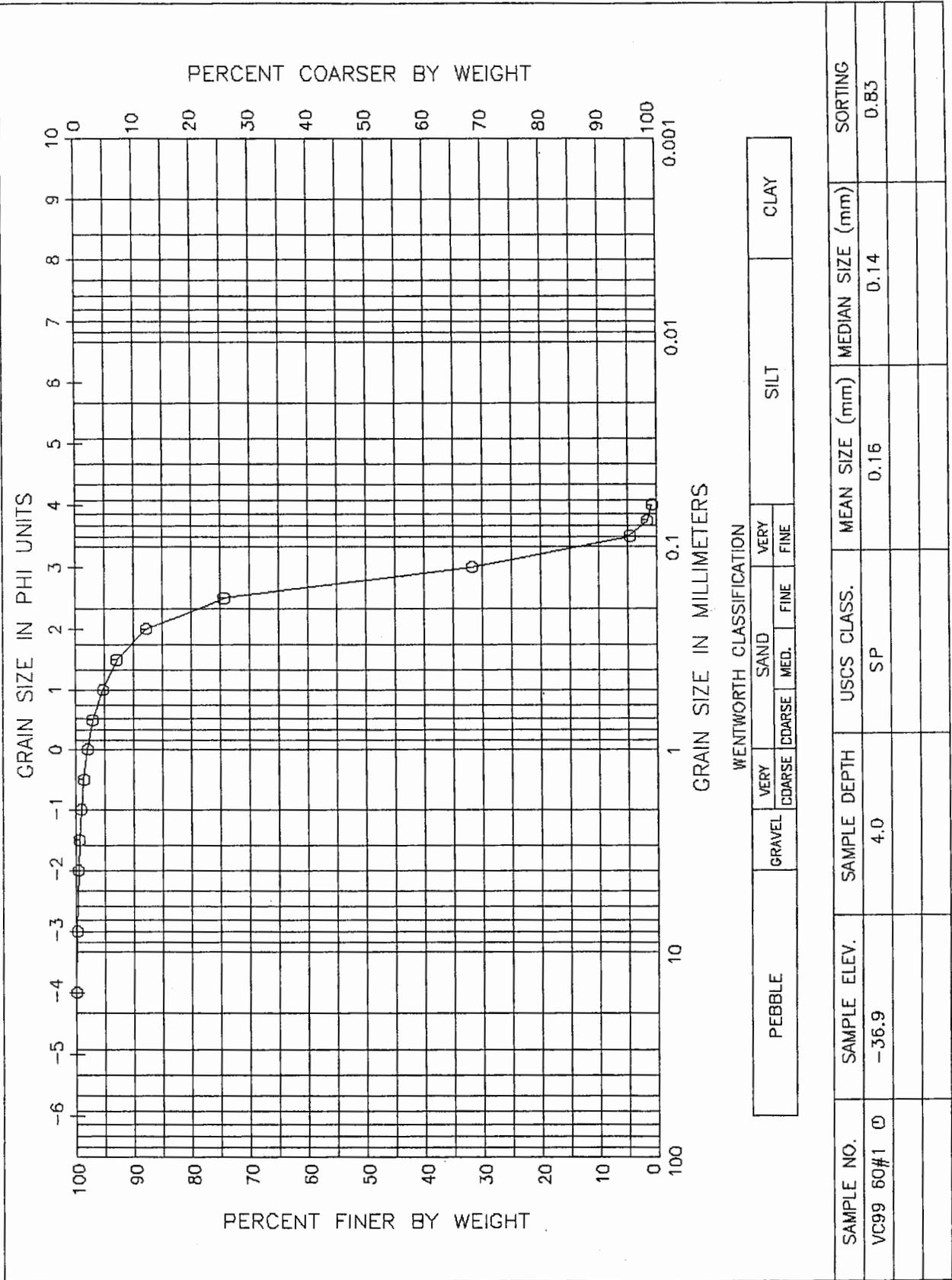
GRAPHIC METHOD

MEAN (PHI): 2.62 SORTING: 0.51
MEAN (mm): 0.16 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

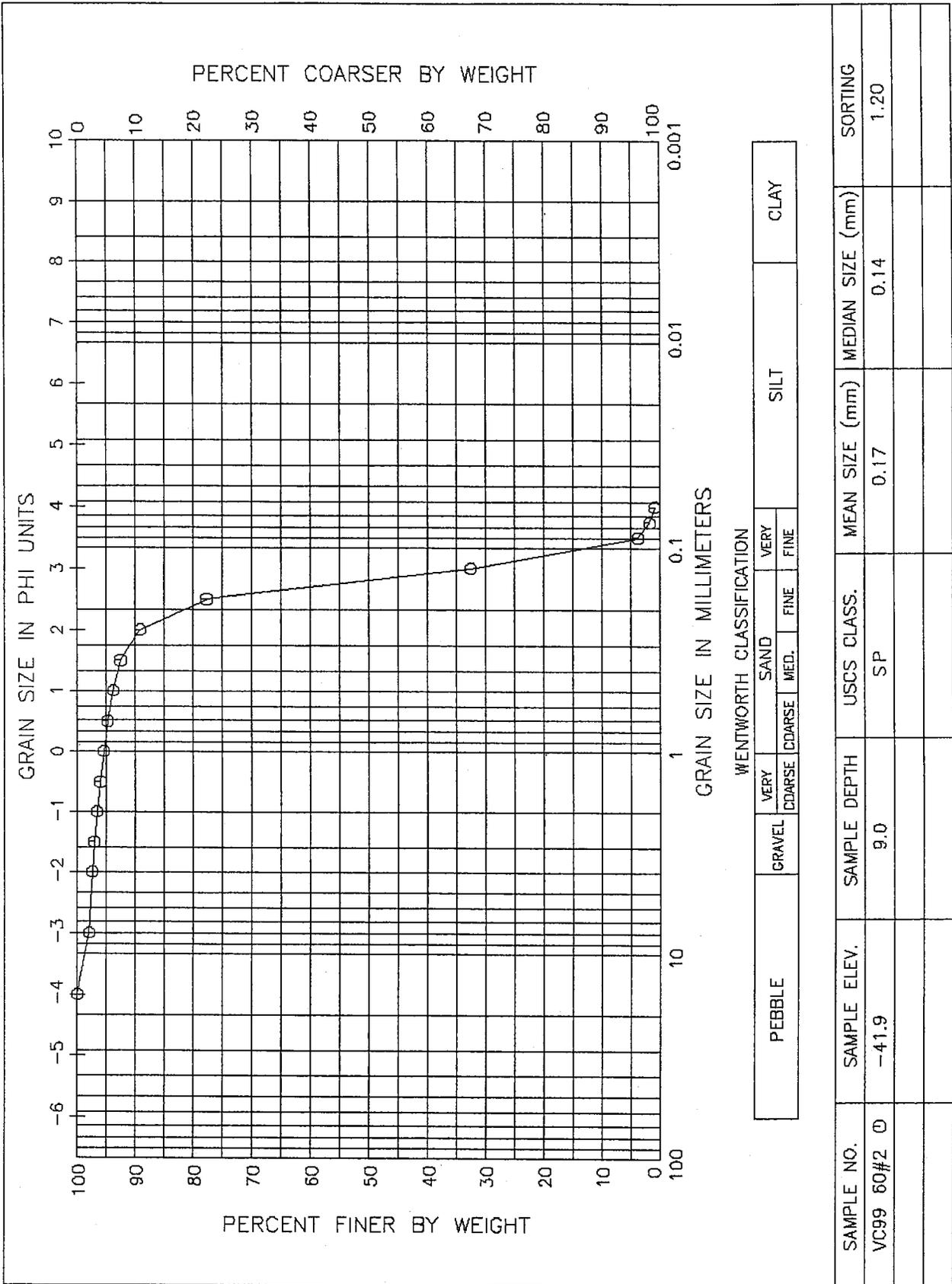
MOMENT METHOD

MEAN (PHI): 2.64 SORTING: 0.56
MEAN (mm): 0.16

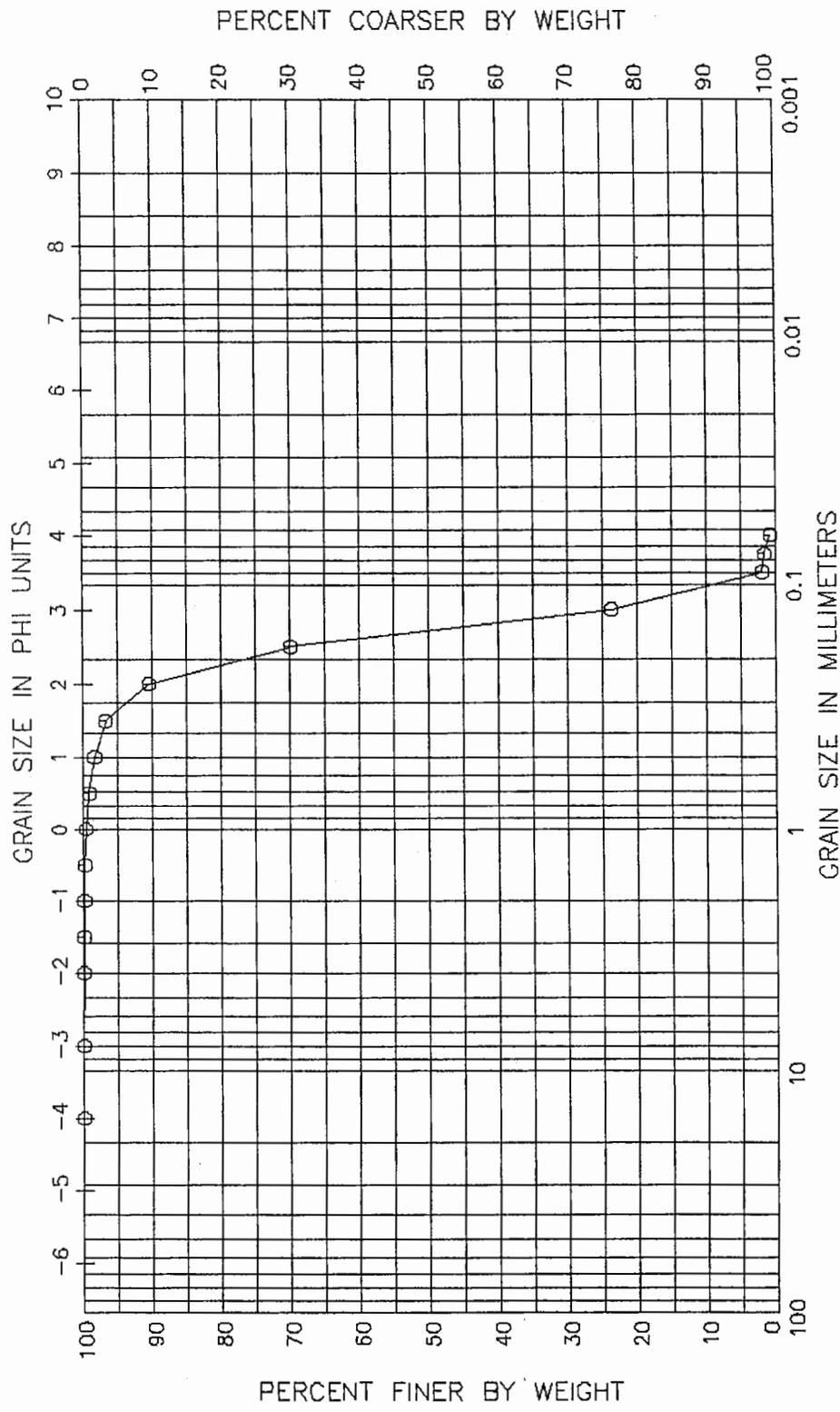
DATA FILE NAME: VC99-60#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 60#3	-46.9	14.0	SP	0.16	0.15	0.56

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH