

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/99

SAMPLE NO.: VC99-5#1

SAMPLE ELEV. (FT. NGVD): -58.1

SAMPLE DEPTH (FT.): 1.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 102.53

SAMPLE WEIGHT AFTER WASH (GRAMS): 96.73

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	1.75	1.71	98.29
5	-2.00	4.000	2.11	2.06	97.94
7	-1.50	2.800	2.20	2.15	97.85
10	-1.00	2.000	2.38	2.32	97.68
14	-0.50	1.400	2.53	2.47	97.53
18	0.00	1.000	2.67	2.60	97.40
25	0.50	0.710	2.85	2.78	97.22
35	1.00	0.500	3.17	3.09	96.91
45	1.50	0.355	3.65	3.56	96.44
60	2.00	0.250	5.50	5.36	94.64
80	2.50	0.180	16.19	15.79	84.21
120	3.00	0.125	70.51	68.77	31.23
170	3.50	0.090	95.84	93.48	6.52
200	3.75	0.075	96.71	94.32	5.68
230	4.00	0.063	99.62	97.16	2.84
PAN			102.52	99.99	0.01

PHI (5): 1.90

PHI (16): 2.50

PHI (25): 2.59

PHI (50): 2.82

PHI (75): 3.13

PHI (84): 3.31

PHI (95): 3.81

SIEVE LOSS (g): 0.01

SILT/CLAY: 5.68%

SKEWNESS: 0.078

KURTOSIS: 1.452

GRAPHIC METHOD

MEAN (PHI): 2.87

SORTING: 0.40

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.68

SORTING: 1.02

MEAN (mm): 0.16

DATA FILE NAME: VC99-5#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/99

SAMPLE NO.: VC99 5#2

SAMPLE ELEV. (FT. NGVD): -63.1

SAMPLE DEPTH (FT.): 6.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 84.06

SAMPLE WEIGHT AFTER WASH (GRAMS): 82.07

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	0.06	0.07	99.93
14	-0.50	1.400	0.17	0.20	99.80
18	0.00	1.000	0.19	0.23	99.77
25	0.50	0.710	0.50	0.59	99.41
35	1.00	0.500	1.11	1.32	98.68
45	1.50	0.355	1.96	2.33	97.67
60	2.00	0.250	4.09	4.87	95.13
80	2.50	0.180	13.86	16.49	83.51
120	3.00	0.125	64.94	77.25	22.75
170	3.50	0.090	80.70	96.00	4.00
200	3.75	0.075	81.94	97.48	2.52
230	4.00	0.063	83.02	98.77	1.23
PAN			84.05	99.99	0.01

PHI (5): 2.01

PHI (16): 2.48

PHI (25): 2.57

PHI (50): 2.78

PHI (75): 2.98

PHI (84): 3.18

PHI (95): 3.47

SIEVE LOSS (g): 0.01

SILT/CLAY: 2.52%

SKEWNESS: -0.103

KURTOSIS: 1.462

GRAPHIC METHOD

MEAN (PHI): 2.78

SORTING: 0.35

MEAN (mm): 0.15

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.74

SORTING: 0.49

MEAN (mm): 0.15

DATA FILE NAME: VC99-5#2.TAB

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

SAMPLE NO.: VC99 5#3
SAMPLE ELEV. (FT. NGVD): -69.1
SAMPLE DEPTH (FT.): 12.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 86.92
SAMPLE WEIGHT AFTER WASH (GRAMS): 82.03

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	0.15	0.17	99.83
5	-2.00	4.000	0.15	0.17	99.83
7	-1.50	2.800	0.74	0.85	99.15
10	-1.00	2.000	1.62	1.86	98.14
14	-0.50	1.400	2.81	3.23	96.77
18	0.00	1.000	4.06	4.67	95.33
25	0.50	0.710	5.69	6.55	93.45
35	1.00	0.500	8.11	9.33	90.67
45	1.50	0.355	10.68	12.29	87.71
60	2.00	0.250	16.14	18.57	81.43
80	2.50	0.180	27.94	32.14	67.86
120	3.00	0.125	63.26	72.78	27.22
170	3.50	0.090	81.57	93.84	6.16
200	3.75	0.075	82.01	94.35	5.65
230	4.00	0.063	84.47	97.19	2.81
PAN			86.92	100.00	0.00

PHI(5): 0.09 PHI(16): 1.80 PHI(25): 2.24
PHI(50): 2.72 PHI(75): 3.05 PHI(84): 3.27
PHI(95): 3.81

SIEVE LOSS(g): 0.00 SILT/CLAY: 5.65%
SKEWNESS: -1.050 KURTOSIS: 1.868

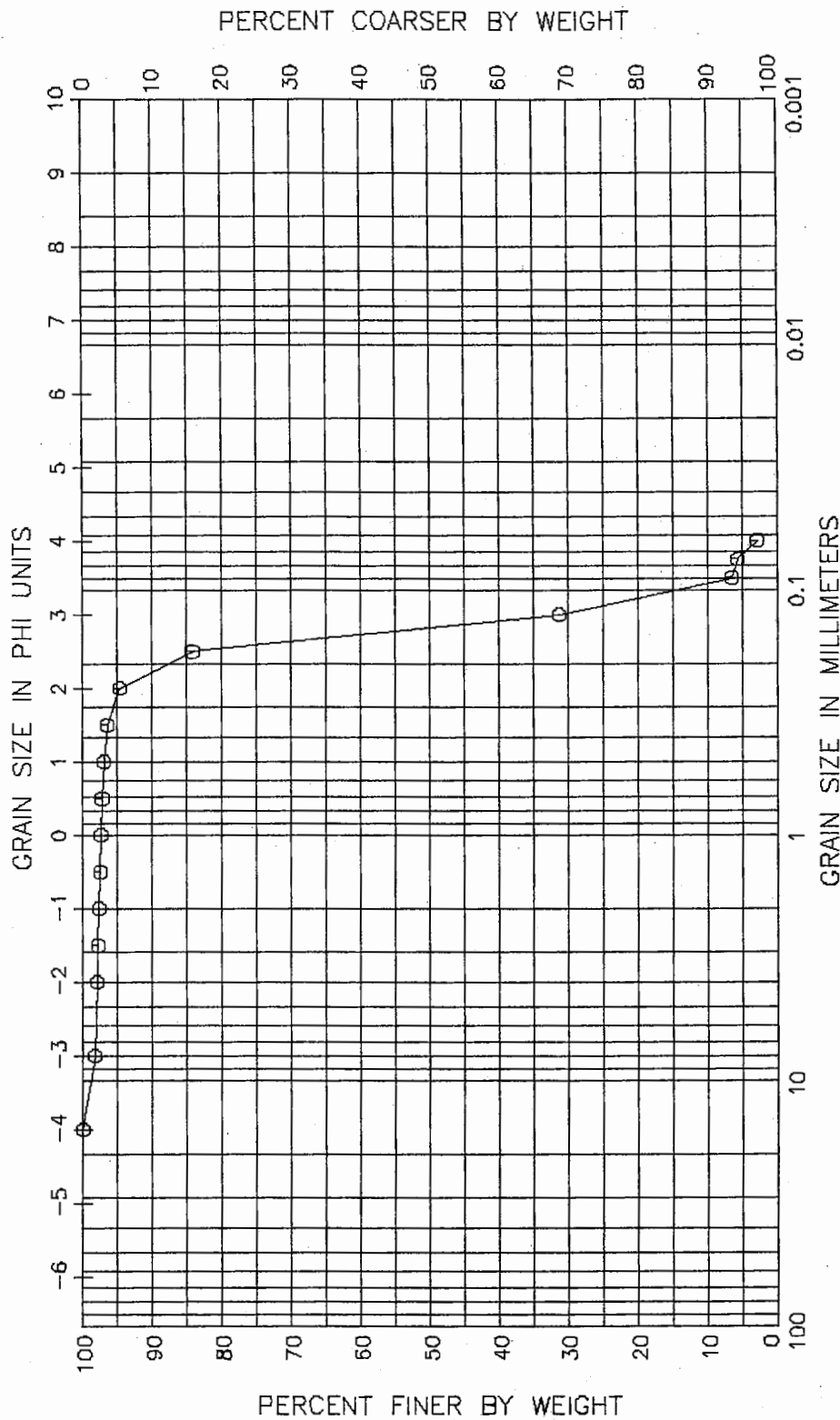
GRAPHIC METHOD

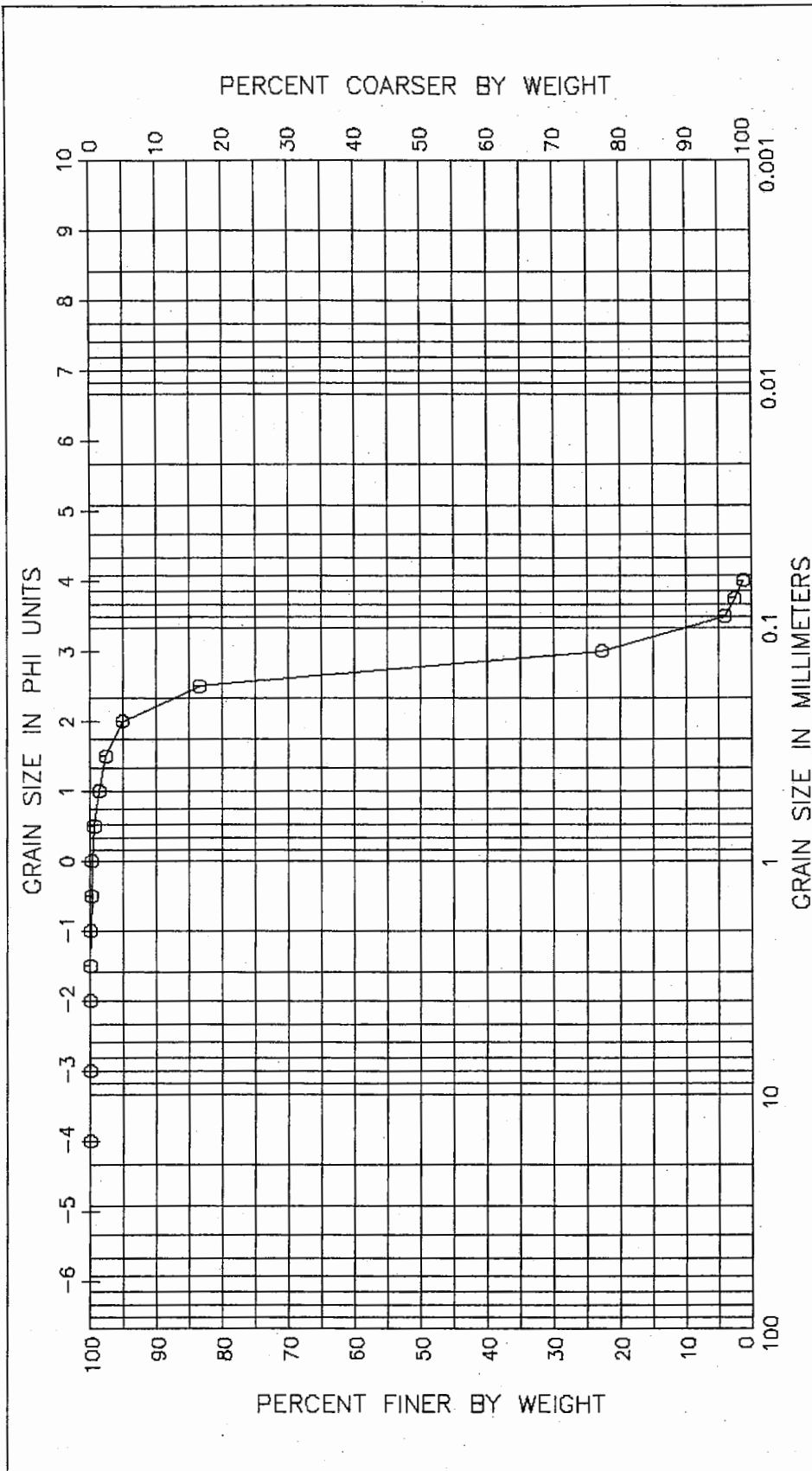
MEAN (PHI): 2.34 SORTING: 0.74
MEAN (mm): 0.20 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.43 SORTING: 1.04
MEAN (mm): 0.19

DATA FILE NAME: VC99-5#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 5#2 0	-63.1	6.5	SP	0.15	0.15	0.49

