

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/14/99

SAMPLE NO.: VC99 70#1

SAMPLE ELEV. (FT. NGVD): -53.9

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 146.06

SAMPLE WEIGHT AFTER WASH (GRAMS): 143.50

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	0.41	0.28	99.72
7	-1.50	2.800	0.56	0.38	99.62
10	-1.00	2.000	0.93	0.64	99.36
14	-0.50	1.400	1.43	0.98	99.02
18	0.00	1.000	1.92	1.31	98.69
25	0.50	0.710	2.57	1.76	98.24
35	1.00	0.500	3.49	2.39	97.61
45	1.50	0.355	4.39	3.01	96.99
60	2.00	0.250	5.92	4.05	95.95
80	2.50	0.180	11.55	7.91	92.09
120	3.00	0.125	77.48	53.05	46.95
170	3.50	0.090	141.26	96.71	3.29
200	3.75	0.075	143.21	98.05	1.95
230	4.00	0.063	144.70	99.07	0.93
PAN			146.06	100.00	0.00

PHI(5): 2.12

PHI(16): 2.59

PHI(25): 2.69

PHI(50): 2.97

PHI(75): 3.25

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.95%

SKEWNESS: -0.431

KURTOSIS: 0.990

## GRAPHIC METHOD

MEAN (PHI): 2.90

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.88

SORTING: 0.65

MEAN (mm): 0.14

DATA FILE NAME: VC99-70#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 70#2

SAMPLE ELEV. (FT. NGVD): -60.9

SAMPLE DEPTH (FT.): 11.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 167.43

SAMPLE WEIGHT AFTER WASH (GRAMS): 164.80

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	0.61	0.36	99.64
7	-1.50	2.800	1.12	0.67	99.33
10	-1.00	2.000	2.04	1.22	98.78
14	-0.50	1.400	3.47	2.07	97.93
18	0.00	1.000	4.92	2.94	97.06
25	0.50	0.710	6.61	3.95	96.05
35	1.00	0.500	8.79	5.25	94.75
45	1.50	0.355	10.95	6.54	93.46
60	2.00	0.250	13.62	8.13	91.87
80	2.50	0.180	21.98	13.13	86.87
120	3.00	0.125	116.22	69.41	30.59
170	3.50	0.090	163.23	97.49	2.51
200	3.75	0.075	164.46	98.23	1.77
230	4.00	0.063	166.05	99.18	0.82
PAN			167.42	99.99	0.01

PHI(5): 0.90

PHI(16): 2.53

PHI(25): 2.61

PHI(50): 2.83

PHI(75): 3.10

PHI(84): 3.26

PHI(95): 3.46

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.77%

SKEWNESS: -1.764

KURTOSIS: 2.117

## GRAPHIC METHOD

MEAN (PHI): 2.59

SORTING: 0.37

MEAN (mm): 0.17

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.68

SORTING: 0.83

MEAN (mm): 0.16

DATA FILE NAME: VC99-70#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-20-99

SAMPLE NO.: VC99 70#3

SAMPLE ELEV. (FT. NGVD): -66.4

SAMPLE DEPTH (FT.): 16.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 181.13

SAMPLE WEIGHT AFTER WASH (GRAMS): 177.54

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	0.07	0.04	99.96
7	-1.50	2.800	0.33	0.18	99.82
10	-1.00	2.000	0.67	0.37	99.63
14	-0.50	1.400	1.04	0.57	99.43
18	0.00	1.000	1.66	0.92	99.08
25	0.50	0.710	2.28	1.26	98.74
35	1.00	0.500	3.24	1.79	98.21
45	1.50	0.355	4.43	2.45	97.55
60	2.00	0.250	6.32	3.49	96.51
80	2.50	0.180	13.21	7.29	92.71
120	3.00	0.125	105.58	58.29	41.71
170	3.50	0.090	175.84	97.08	2.92
200	3.75	0.075	177.14	97.80	2.20
230	4.00	0.063	179.24	98.95	1.05
PAN			181.13	100.00	0.00

PHI (5): 2.20

PHI (16): 2.59

PHI (25): 2.67

PHI (50): 2.92

PHI (75): 3.22

PHI (84): 3.33

PHI (95): 3.47

SIEVE LOSS(g): 0.00

SILT/CLAY: 2.20%

SKEWNESS: -0.222

KURTOSIS: 0.964

## GRAPHIC METHOD

MEAN (PHI): 2.90

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

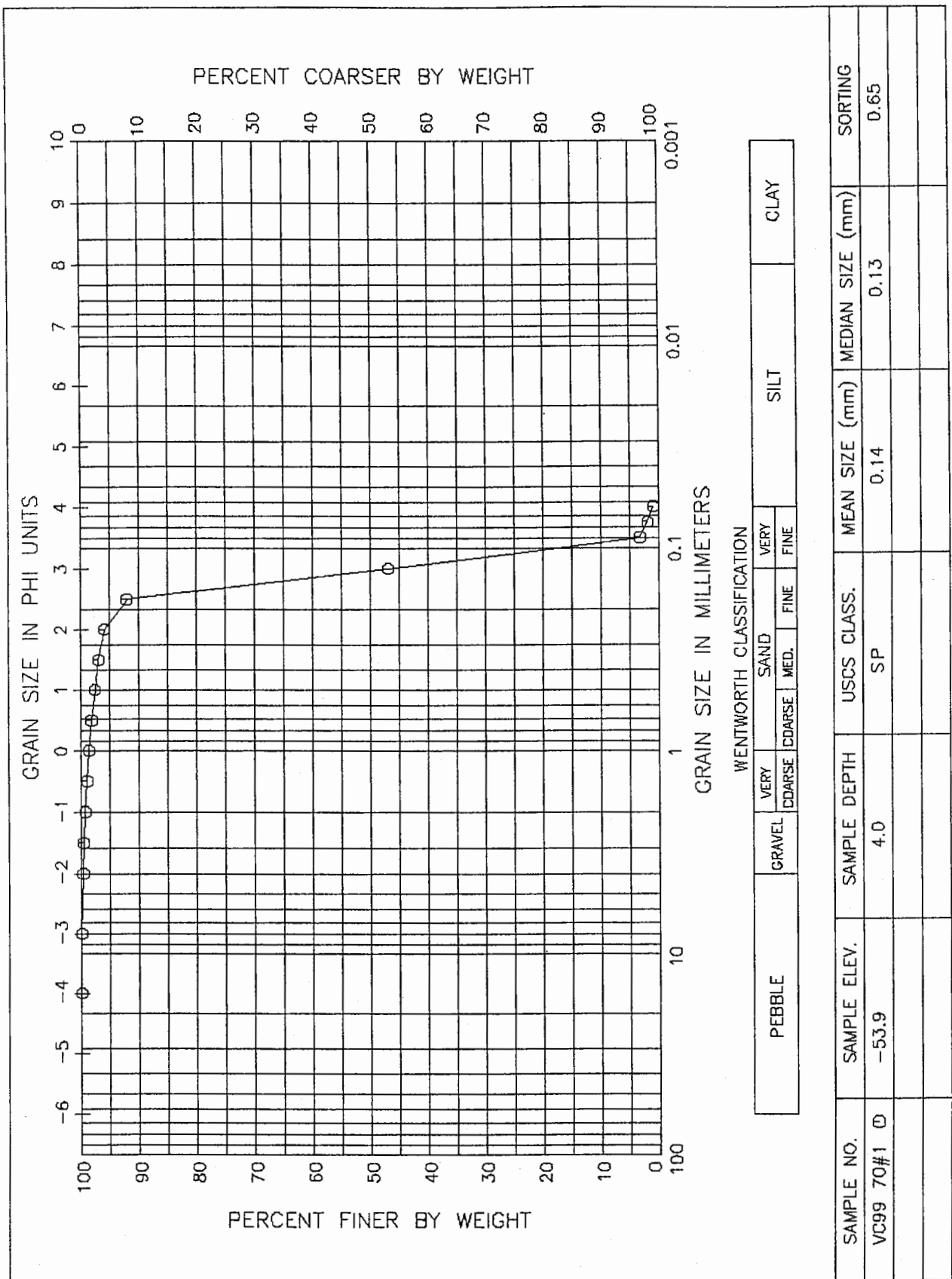
## MOMENT METHOD

MEAN (PHI): 2.87

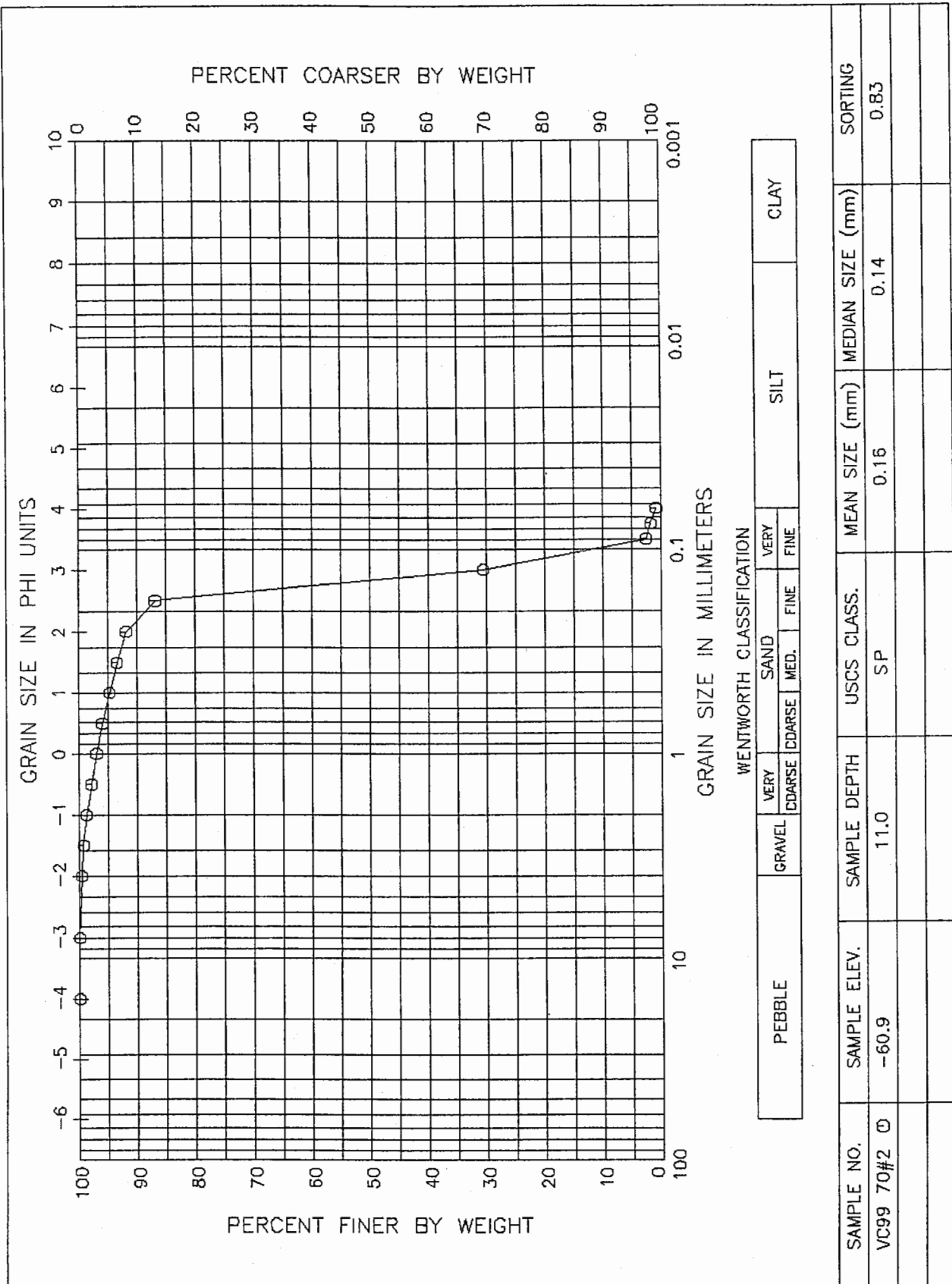
SORTING: 0.56

MEAN (mm): 0.14

DATA FILE NAME: VC99-70#3.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

