

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 57#1
SAMPLE ELEV. (FT. NGVD): -52.8
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 80.22
SAMPLE WEIGHT AFTER WASH (GRAMS): 78.60

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	0.04	0.05	99.95
7	-1.50	2.800	0.07	0.09	99.91
10	-1.00	2.000	0.09	0.11	99.89
14	-0.50	1.400	0.17	0.21	99.79
18	0.00	1.000	0.79	0.98	99.02
25	0.50	0.710	1.35	1.68	98.32
35	1.00	0.500	1.70	2.12	97.88
45	1.50	0.355	1.96	2.44	97.56
60	2.00	0.250	2.45	3.05	96.95
80	2.50	0.180	4.70	5.86	94.14
120	3.00	0.125	33.28	41.49	58.51
170	3.50	0.090	72.90	90.88	9.12
200	3.75	0.075	77.67	96.82	3.18
230	4.00	0.063	79.36	98.93	1.07
PAN			80.20	99.98	0.02

PHI (5): 2.35 PHI (16): 2.64 PHI (25): 2.77
PHI (50): 3.09 PHI (75): 3.34 PHI (84): 3.43
PHI (95): 3.67

SIEVE LOSS (g): 0.02 SILT/CLAY: 3.18%
SKEWNESS: -0.193 KURTOSIS: 0.953

GRAPHIC METHOD

MEAN (PHI): 3.04 SORTING: 0.39
MEAN (mm): 0.12 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.99 SORTING: 0.57
MEAN (mm): 0.13

DATA FILE NAME: VC99-57#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 57#2

SAMPLE ELEV. (FT. NGVD): -57.8

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.42

SAMPLE WEIGHT AFTER WASH (GRAMS): 80.29

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	0.03	0.04	99.96
10	-1.00	2.000	0.16	0.20	99.80
14	-0.50	1.400	0.36	0.44	99.56
18	0.00	1.000	0.52	0.64	99.36
25	0.50	0.710	0.78	0.96	99.04
35	1.00	0.500	1.06	1.30	98.70
45	1.50	0.355	1.37	1.68	98.32
60	2.00	0.250	2.17	2.67	97.33
80	2.50	0.180	5.79	7.11	92.89
120	3.00	0.125	38.42	47.19	52.81
170	3.50	0.090	78.73	96.70	3.30
200	3.75	0.075	80.22	98.53	1.47
230	4.00	0.063	80.85	99.29	0.71
PAN			81.42	100.00	0.00

PHI(5): 2.26

PHI(16): 2.61

PHI(25): 2.72

PHI(50): 3.03

PHI(75): 3.28

PHI(84): 3.37

PHI(95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.47%

SKEWNESS: -0.409

KURTOSIS: 0.897

GRAPHIC METHOD

MEAN (PHI): 2.95

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.95

SORTING: 0.50

MEAN (mm): 0.13

DATA FILE NAME: VC99-57#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 57#3

SAMPLE ELEV. (FT. NGVD): -62.8

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 88.55

SAMPLE WEIGHT AFTER WASH (GRAMS): 86.20

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	0.82	0.93	99.07
5	-2.00	4.000	1.35	1.52	98.48
7	-1.50	2.800	1.66	1.87	98.13
10	-1.00	2.000	2.59	2.92	97.08
14	-0.50	1.400	2.74	3.09	96.91
18	0.00	1.000	3.10	3.50	96.50
25	0.50	0.710	3.39	3.83	96.17
35	1.00	0.500	3.81	4.30	95.70
45	1.50	0.355	4.18	4.72	95.28
60	2.00	0.250	5.08	5.74	94.26
80	2.50	0.180	8.66	9.78	90.22
120	3.00	0.125	40.71	45.97	54.03
170	3.50	0.090	84.23	95.12	4.88
200	3.75	0.075	85.89	97.00	3.00
230	4.00	0.063	87.32	98.61	1.39
PAN			88.54	99.99	0.01

PHI (5): 1.64

PHI (16): 2.59

PHI (25): 2.71

PHI (50): 3.04

PHI (75): 3.30

PHI (84): 3.39

PHI (95): 3.50

SIEVE LOSS(g): 0.01

SILT/CLAY: 3.00%

SKEWNESS: -1.181

KURTOSIS: 1.304

GRAPHIC METHOD

MEAN (PHI): 2.83

SORTING: 0.40

MEAN (mm): 0.14

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

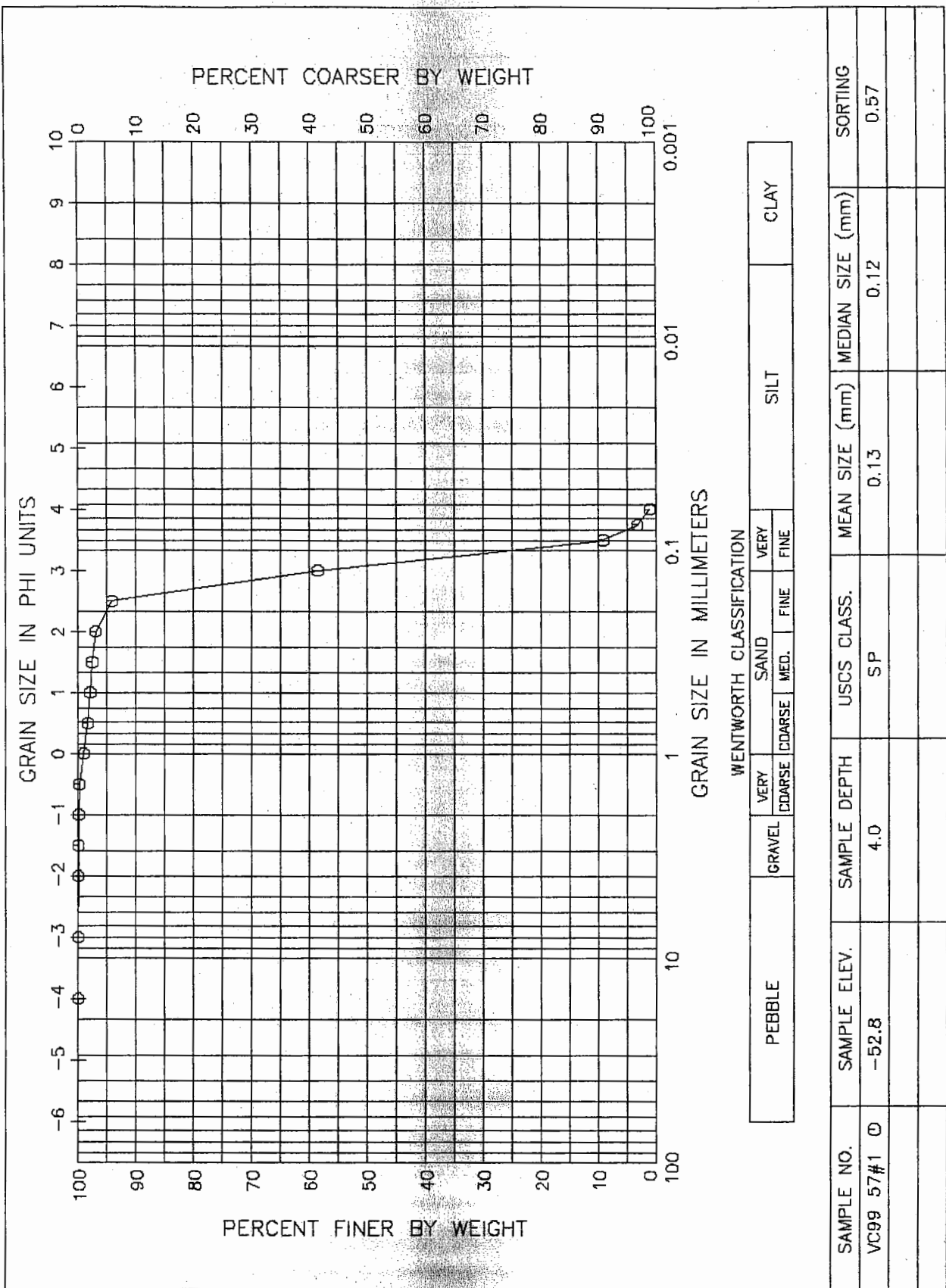
MOMENT METHOD

MEAN (PHI): 2.81

SORTING: 1.03

MEAN (mm): 0.14

DATA FILE NAME: VC99-57#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

