

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 75#1  
SAMPLE ELEV. (FT. NGVD): -46.1  
SAMPLE DEPTH (FT.): 4.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 111.40  
SAMPLE WEIGHT AFTER WASH (GRAMS): 109.85

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	0.45	0.40	99.60
5	-2.00	4.000	0.52	0.47	99.53
7	-1.50	2.800	0.55	0.49	99.51
10	-1.00	2.000	0.66	0.59	99.41
14	-0.50	1.400	0.87	0.78	99.22
18	0.00	1.000	1.09	0.98	99.02
25	0.50	0.710	1.43	1.28	98.72
35	1.00	0.500	1.94	1.74	98.26
45	1.50	0.355	2.64	2.37	97.63
60	2.00	0.250	4.49	4.03	95.97
80	2.50	0.180	12.53	11.25	88.75
120	3.00	0.125	61.09	54.84	45.16
170	3.50	0.090	108.76	97.63	2.37
200	3.75	0.075	109.66	98.44	1.56
230	4.00	0.063	110.57	99.25	0.75
PAN			111.38	99.98	0.02

PHI(5): 2.07      PHI(16): 2.55      PHI(25): 2.66  
PHI(50): 2.94      PHI(75): 3.24      PHI(84): 3.34  
PHI(95): 3.47

SIEVE LOSS(g): 0.02      SILT/CLAY: 1.56%  
SKEWNESS: -0.448      KURTOSIS: 0.994

## GRAPHIC METHOD

MEAN (PHI): 2.88      SORTING: 0.39  
MEAN (mm): 0.14      MEDIAN (mm): 0.13  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.86      SORTING: 0.66  
MEAN (mm): 0.14

DATA FILE NAME: VC99-75#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 75#2

SAMPLE ELEV. (FT. NGVD): -51.1

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 131.44

SAMPLE WEIGHT AFTER WASH (GRAMS): 128.93

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	1.01	0.77	99.23
5	-2.00	4.000	1.22	0.93	99.07
7	-1.50	2.800	1.37	1.04	98.96
10	-1.00	2.000	1.67	1.27	98.73
14	-0.50	1.400	2.16	1.64	98.36
18	0.00	1.000	2.74	2.08	97.92
25	0.50	0.710	3.38	2.57	97.43
35	1.00	0.500	3.98	3.03	96.97
45	1.50	0.355	4.61	3.51	96.49
60	2.00	0.250	5.89	4.48	95.52
80	2.50	0.180	10.82	8.23	91.77
120	3.00	0.125	57.55	43.78	56.22
170	3.50	0.090	122.48	93.18	6.82
200	3.75	0.075	128.47	97.74	2.26
230	4.00	0.063	130.07	98.95	1.05
PAN			131.44	100.00	0.00

PHI (5): 2.07

PHI (16): 2.61

PHI (25): 2.74

PHI (50): 3.06

PHI (75): 3.32

PHI (84): 3.41

PHI (95): 3.60

SIEVE LOSS (g): 0.00

SILT/CLAY: 2.26%

SKEWNESS: -0.573

KURTOSIS: 1.081

## GRAPHIC METHOD

MEAN (PHI): 2.95

SORTING: 0.40

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.90

SORTING: 0.85

MEAN (mm): 0.13

DATA FILE NAME: VC99-75#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 75#3  
SAMPLE ELEV. (FT. NGVD): -55.6  
SAMPLE DEPTH (FT.): 13.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 153.26  
SAMPLE WEIGHT AFTER WASH (GRAMS): 151.19

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	1.74	1.14	98.86
5	-2.00	4.000	4.06	2.65	97.35
7	-1.50	2.800	4.46	2.91	97.09
10	-1.00	2.000	5.03	3.28	96.72
14	-0.50	1.400	5.81	3.79	96.21
18	0.00	1.000	6.69	4.37	95.63
25	0.50	0.710	7.89	5.15	94.85
35	1.00	0.500	9.58	6.25	93.75
45	1.50	0.355	11.60	7.57	92.43
60	2.00	0.250	14.91	9.73	90.27
80	2.50	0.180	27.87	18.18	81.82
120	3.00	0.125	105.74	68.99	31.01
170	3.50	0.090	149.56	97.59	2.41
200	3.75	0.075	150.64	98.29	1.71
230	4.00	0.063	152.02	99.19	0.81
PAN			153.25	99.99	0.01

PHI(5): 0.41      PHI(16): 2.37      PHI(25): 2.57  
PHI(50): 2.81      PHI(75): 3.11      PHI(84): 3.26  
PHI(95): 3.45

SIEVE LOSS(g): 0.01      SILT/CLAY: 1.71%  
SKEWNESS: -1.981      KURTOSIS: 2.323

## GRAPHIC METHOD

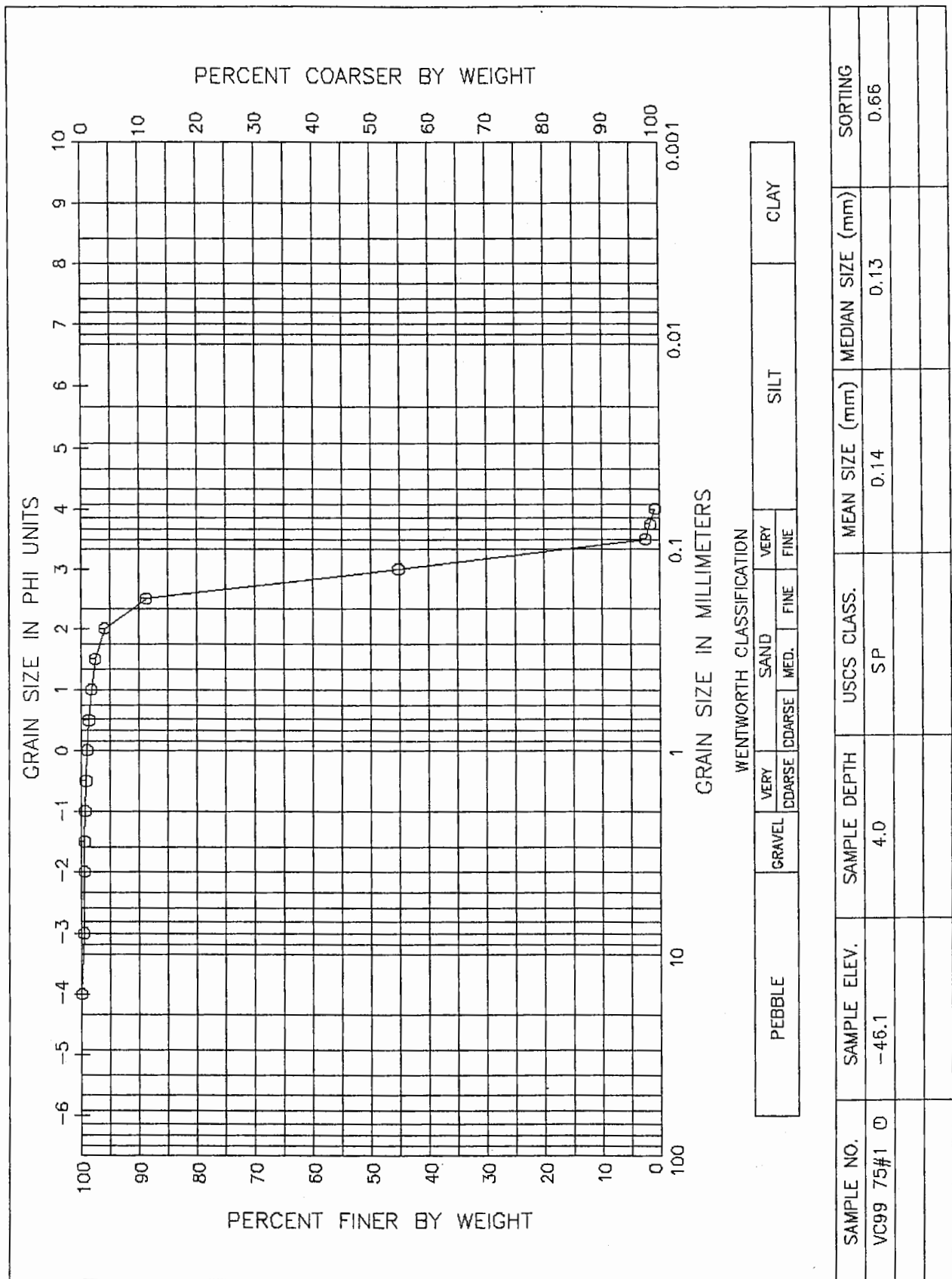
MEAN (PHI): 2.46      SORTING: 0.45  
MEAN (mm): 0.18      MEDIAN (mm): 0.14

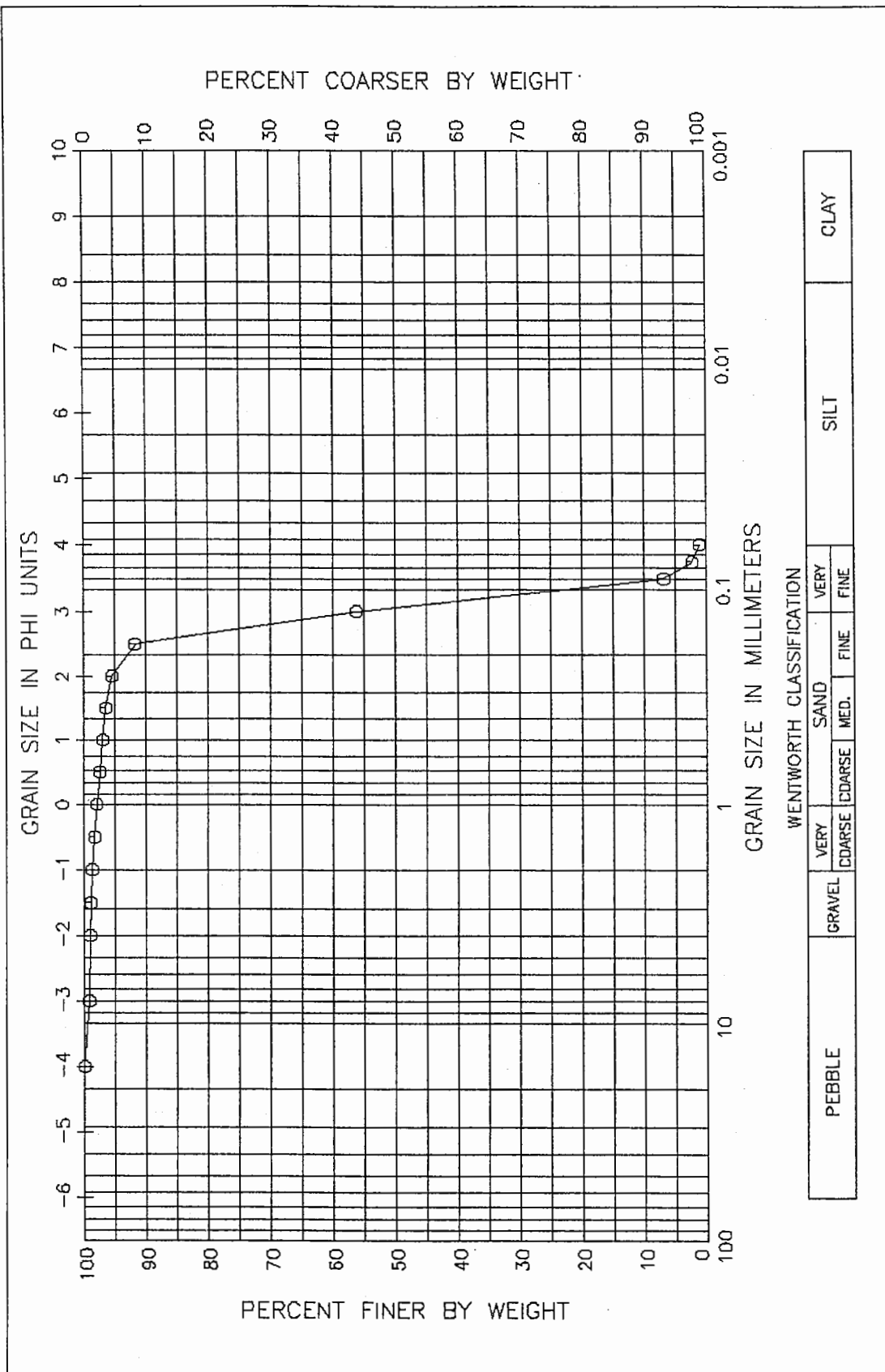
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.57      SORTING: 1.15  
MEAN (mm): 0.17

DATA FILE NAME: VC99-75#3.TAB





SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 75#2 0	-51.1	9.0	SP	0.13	0.12	0.85

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

