

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/7/1999

SAMPLE NO.: VC99 29#1

SAMPLE ELEV. (FT. NGVD): -47.2

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 160.46

SAMPLE WEIGHT AFTER WASH (GRAMS): 157.48

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	0.13	0.08	99.92
7	-1.50	2.800	0.22	0.14	99.86
10	-1.00	2.000	0.44	0.27	99.73
14	-0.50	1.400	0.74	0.46	99.54
18	0.00	1.000	1.15	0.72	99.28
25	0.50	0.710	1.70	1.06	98.94
35	1.00	0.500	2.12	1.32	98.68
45	1.50	0.355	2.55	1.59	98.41
60	2.00	0.250	5.26	3.28	96.72
80	2.50	0.180	19.47	12.13	87.87
120	3.00	0.125	103.53	64.52	35.48
170	3.50	0.090	155.80	97.10	2.90
200	3.75	0.075	157.05	97.87	2.13
230	4.00	0.063	158.91	99.03	0.97
PAN			160.44	99.99	0.01

PHI(5): 2.10

PHI(16): 2.54

PHI(25): 2.62

PHI(50): 2.86

PHI(75): 3.16

PHI(84): 3.30

PHI(95): 3.47

SIEVE LOSS(g): 0.02

SILT/CLAY: 2.13%

SKEWNESS: -0.207

KURTOSIS: 1.044

## GRAPHIC METHOD

MEAN (PHI): 2.85

SORTING: 0.38

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.83

SORTING: 0.53

MEAN (mm): 0.14

DATA FILE NAME: VC99-29#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/7/1999

SAMPLE NO.: VC99 29#2

SAMPLE ELEV. (FT. NGVD): -50.2

SAMPLE DEPTH (FT.): 7.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 149.41

SAMPLE WEIGHT AFTER WASH (GRAMS): 146.57

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	0.74	0.50	99.50
7	-1.50	2.800	1.10	0.74	99.26
10	-1.00	2.000	1.58	1.06	98.94
14	-0.50	1.400	2.22	1.49	98.51
18	0.00	1.000	2.90	1.94	98.06
25	0.50	0.710	3.96	2.65	97.35
35	1.00	0.500	5.40	3.61	96.39
45	1.50	0.355	6.81	4.56	95.44
60	2.00	0.250	10.02	6.71	93.29
80	2.50	0.180	23.53	15.75	84.25
120	3.00	0.125	100.12	67.01	32.99
170	3.50	0.090	145.12	97.13	2.87
200	3.75	0.075	146.19	97.84	2.16
230	4.00	0.063	147.82	98.94	1.06
PAN			149.39	99.99	0.01

PHI(5): 1.60

PHI(16): 2.50

PHI(25): 2.59

PHI(50): 2.83

PHI(75): 3.13

PHI(84): 3.28

PHI(95): 3.46

SIEVE LOSS(g): 0.02

SILT/CLAY: 2.16%

SKEWNESS: -0.770

KURTOSIS: 1.407

## GRAPHIC METHOD

MEAN (PHI): 2.74

SORTING: 0.39

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

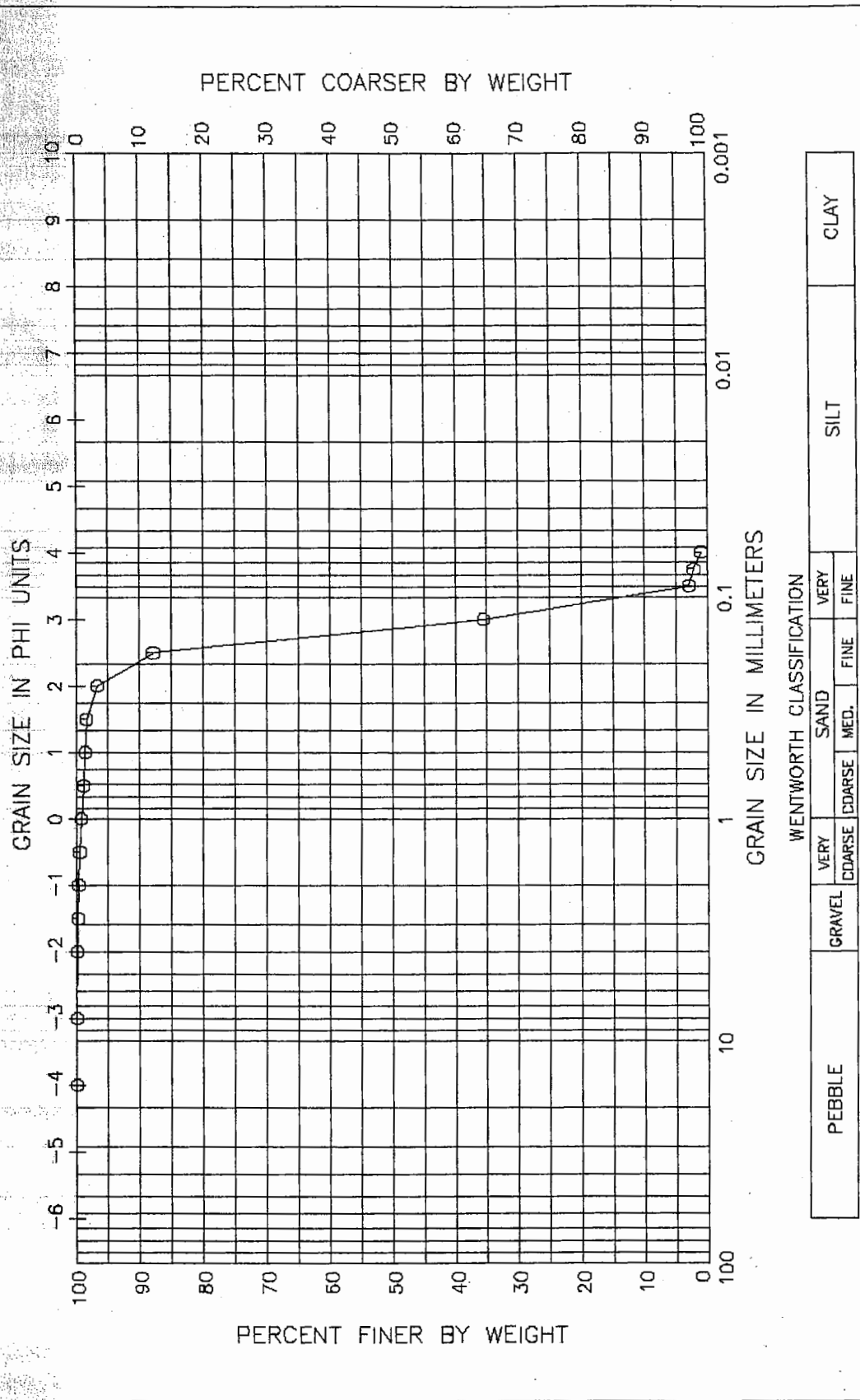
## MOMENT METHOD

MEAN (PHI): 2.72

SORTING: 0.76

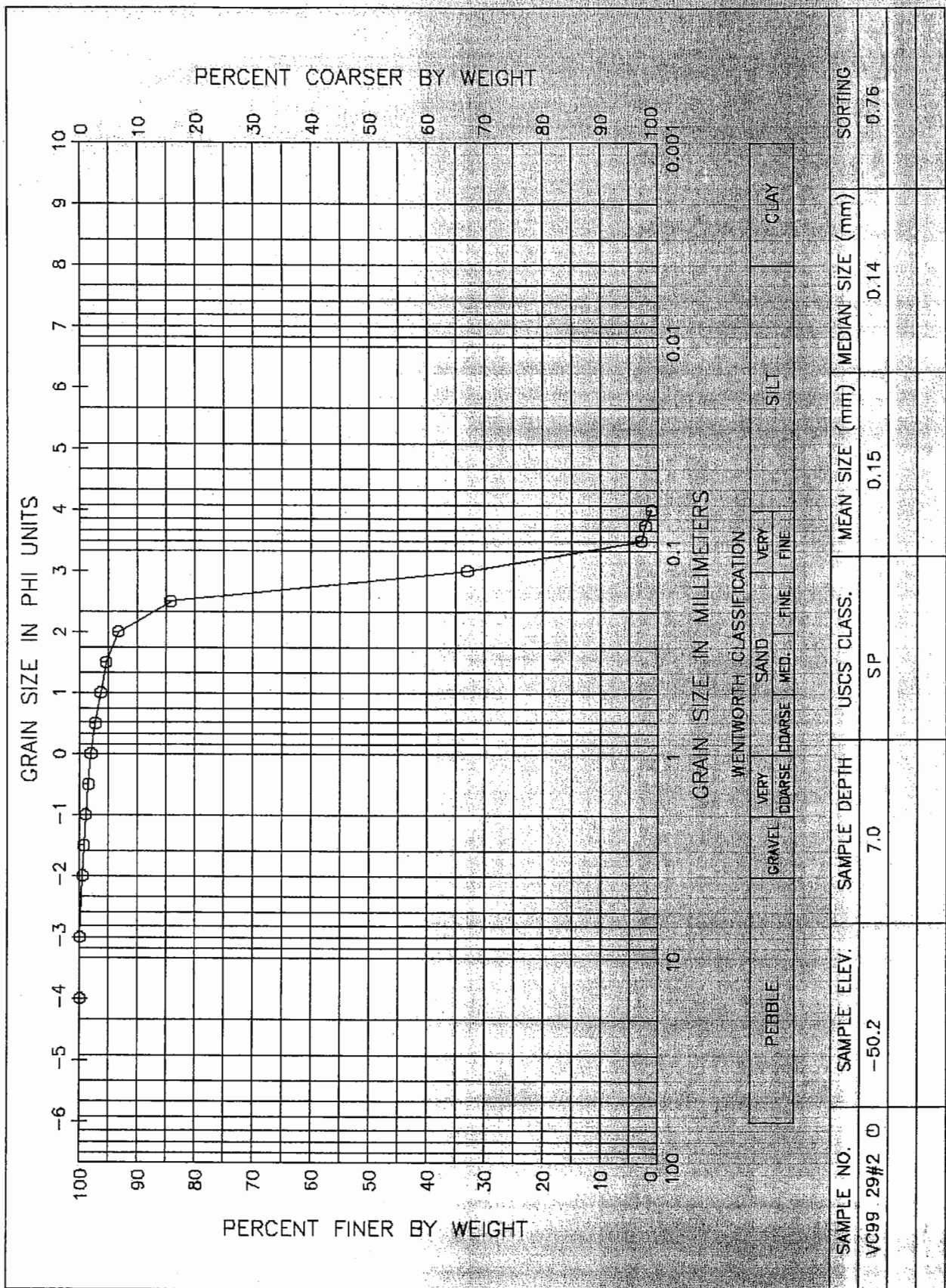
MEAN (mm): 0.15

DATA FILE NAME: VC99-29#2.TAB



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 29#1	-47.2	4.0	SP	0.14	0.14	0.53

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH