

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

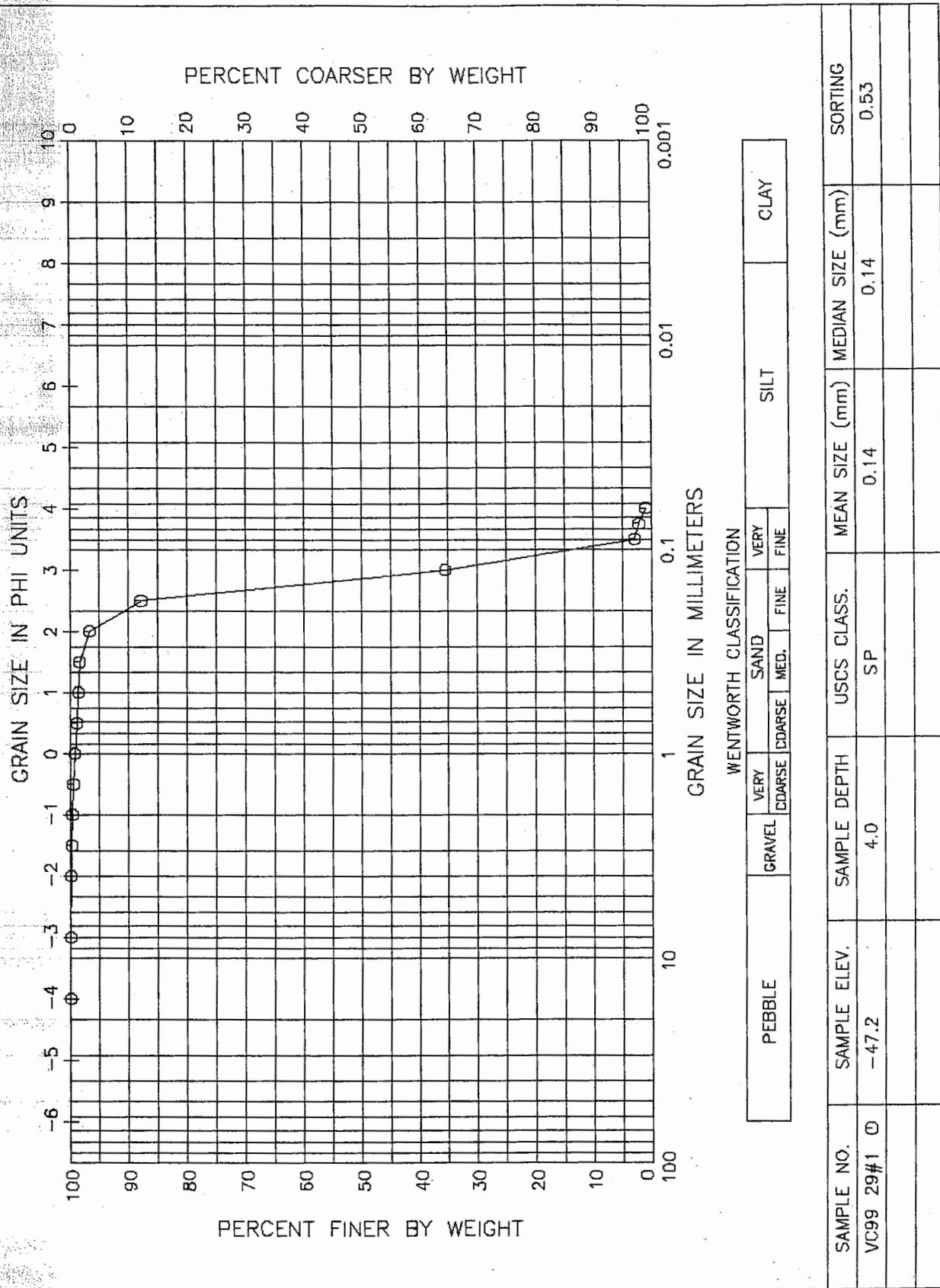
GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.39
MEAN (mm) : 0.15 MEDIAN (mm) : 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

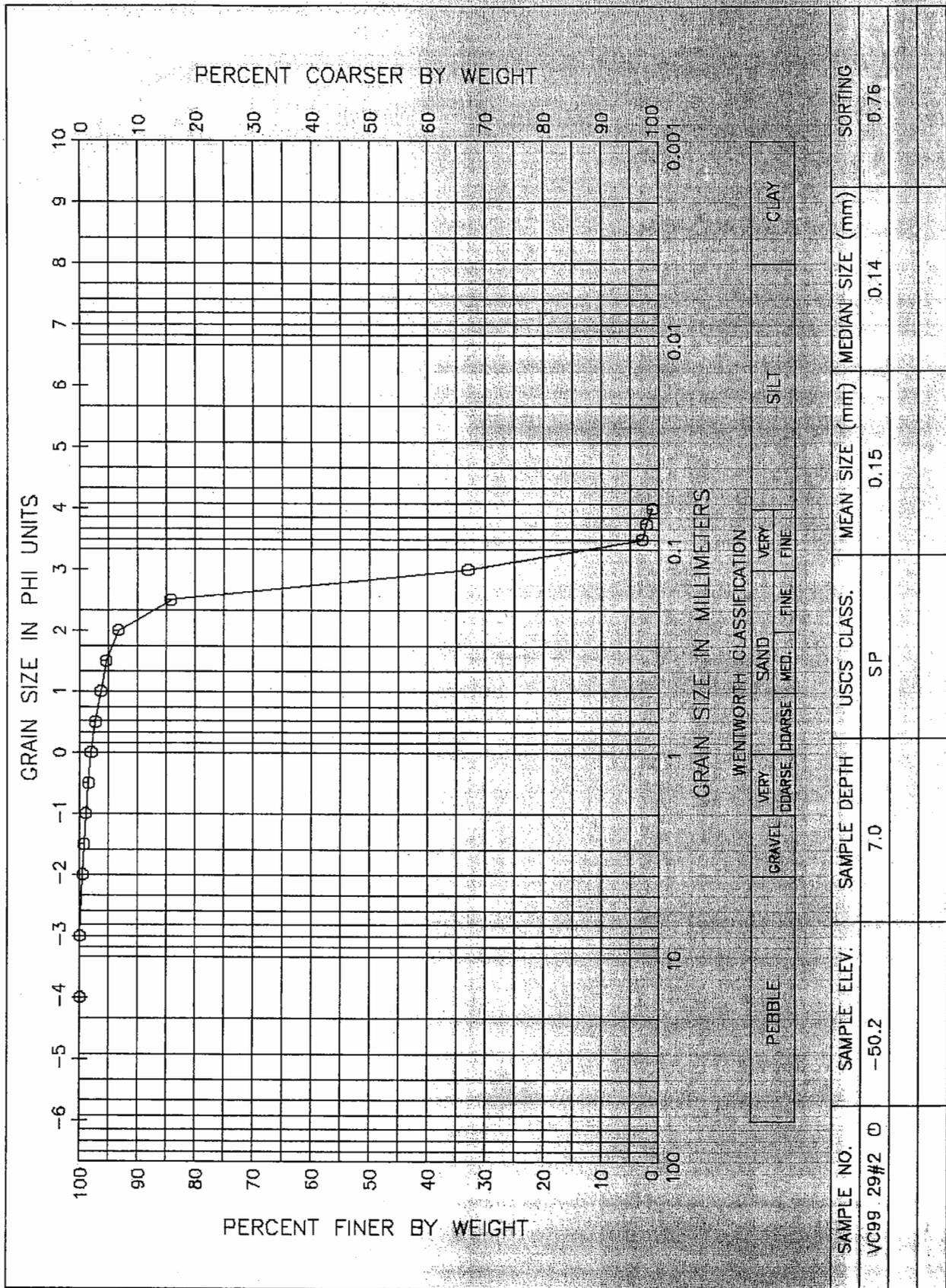
MOMENT METHOD

MEAN (PHI): 2.72 SORTING: 0.76
MEAN (mm) : 0.15

DATA FILE NAME: VC99-29#2.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH