

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 17#1

SAMPLE ELEV. (FT. NGVD): -64.6

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.64

SAMPLE WEIGHT AFTER WASH (GRAMS): 81.44

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	0.01	0.01	99.99
7	-1.50	2.800	0.03	0.04	99.96
10	-1.00	2.000	0.05	0.06	99.94
14	-0.50	1.400	0.10	0.12	99.88
18	0.00	1.000	0.13	0.16	99.84
25	0.50	0.710	0.21	0.25	99.75
35	1.00	0.500	0.37	0.45	99.55
45	1.50	0.355	0.57	0.69	99.31
60	2.00	0.250	1.14	1.38	98.62
80	2.50	0.180	3.73	4.51	95.49
120	3.00	0.125	44.23	53.52	46.48
170	3.50	0.090	79.80	96.56	3.44
200	3.75	0.075	81.32	98.40	1.60
230	4.00	0.063	82.03	99.26	0.74
PAN			82.63	99.99	0.01

PHI(5): 2.50

PHI(16): 2.62

PHI(25): 2.71

PHI(50): 2.96

PHI(75): 3.25

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.60%

SKEWNESS: 0.080

KURTOSIS: 0.741

GRAPHIC METHOD

MEAN (PHI): 2.98

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.95

SORTING: 0.39

MEAN (mm): 0.13

DATA FILE NAME: VC99-17#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/1999

SAMPLE NO.: VC99 17#2

SAMPLE ELEV. (FT. NGVD): -69.6

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.92

SAMPLE WEIGHT AFTER WASH (GRAMS): 81.46

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	0.00	0.00	100.00
10	-1.00	2.000	0.13	0.16	99.84
14	-0.50	1.400	0.24	0.29	99.71
18	0.00	1.000	0.37	0.45	99.55
25	0.50	0.710	0.57	0.69	99.31
35	1.00	0.500	1.00	1.21	98.79
45	1.50	0.355	1.55	1.87	98.13
60	2.00	0.250	2.96	3.57	96.43
80	2.50	0.180	8.16	9.84	90.16
120	3.00	0.125	46.33	55.87	44.13
170	3.50	0.090	79.99	96.47	3.53
200	3.75	0.075	81.31	98.06	1.94
230	4.00	0.063	82.15	99.07	0.93
PAN			82.89	99.96	0.04

PHI(5): 2.11

PHI(16): 2.57

PHI(25): 2.66

PHI(50): 2.94

PHI(75): 3.24

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): 0.03

SILT/CLAY: 1.94%

SKEWNESS: -0.355

KURTOSIS: 0.982

GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.39

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.89

SORTING: 0.50

MEAN (mm): 0.13

DATA FILE NAME: VC99-17#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/11/99

SAMPLE NO.: VC99 17#3

SAMPLE ELEV. (FT. NGVD): -76.2

SAMPLE DEPTH (FT.): 15.6

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.94

SAMPLE WEIGHT AFTER WASH (GRAMS): 76.73

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	1.26	1.60	98.40
5	-2.00	4.000	2.11	2.67	97.33
7	-1.50	2.800	3.35	4.24	95.76
10	-1.00	2.000	4.90	6.21	93.79
14	-0.50	1.400	4.92	6.23	93.77
18	0.00	1.000	6.89	8.73	91.27
25	0.50	0.710	9.92	12.57	87.43
35	1.00	0.500	14.17	17.95	82.05
45	1.50	0.355	19.31	24.46	75.54
60	2.00	0.250	24.55	31.10	68.90
80	2.50	0.180	32.53	41.21	58.79
120	3.00	0.125	62.47	79.14	20.86
170	3.50	0.090	75.82	96.05	3.95
200	3.75	0.075	76.59	97.02	2.98
230	4.00	0.063	77.79	98.55	1.45
PAN			78.94	100.00	0.00

PHI(5): -1.31

PHI(16): 0.82

PHI(25): 1.54

PHI(50): 2.62

PHI(75): 2.95

PHI(84): 3.14

PHI(95): 3.47

SIEVE LOSS(g): 0.00

SILT/CLAY: 2.98%

SKEWNESS: -1.321

KURTOSIS: 1.393

GRAPHIC METHOD

MEAN (PHI): 1.75

SORTING: 1.16

MEAN (mm): 0.30

MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

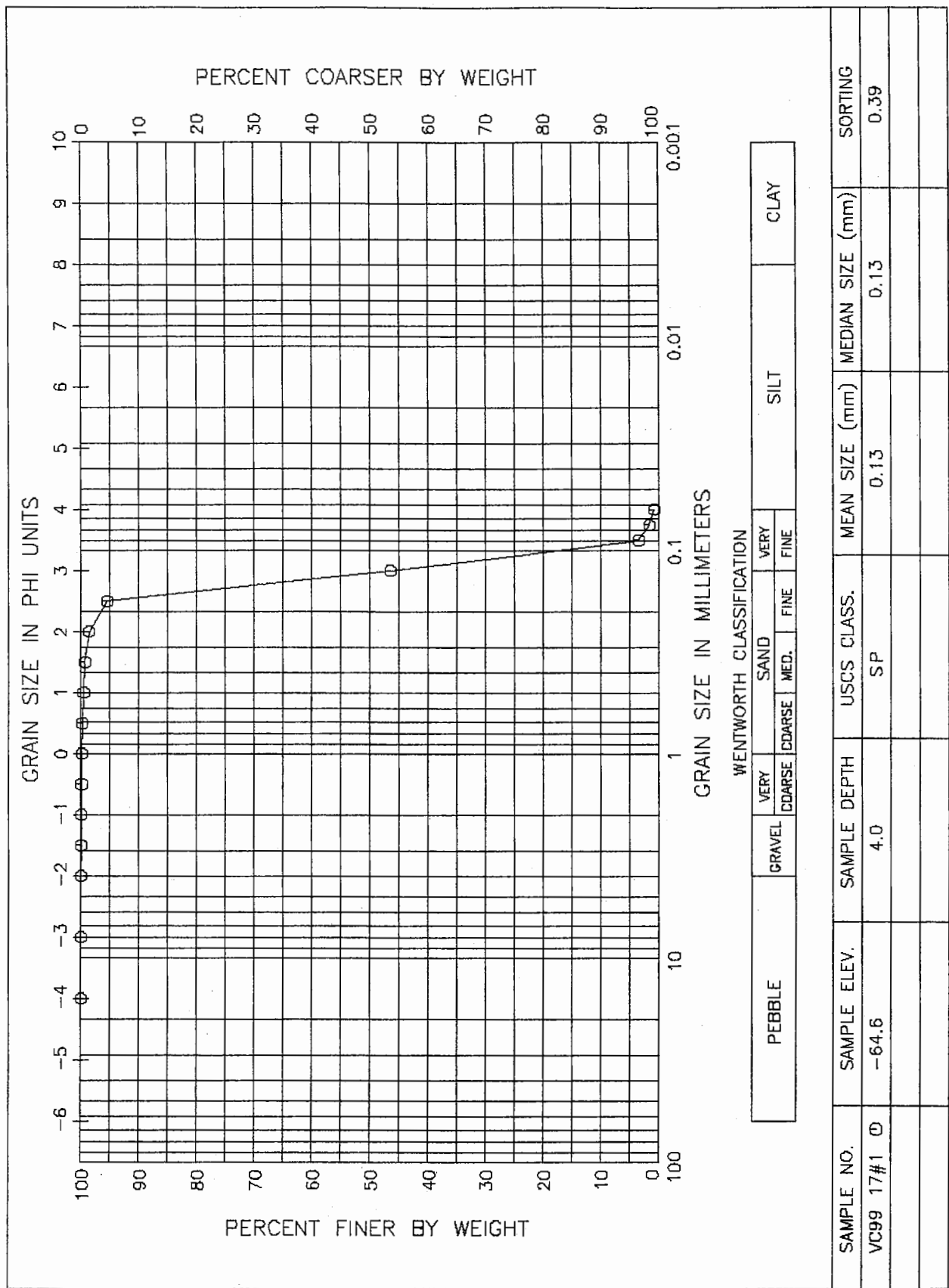
MOMENT METHOD

MEAN (PHI): 2.05

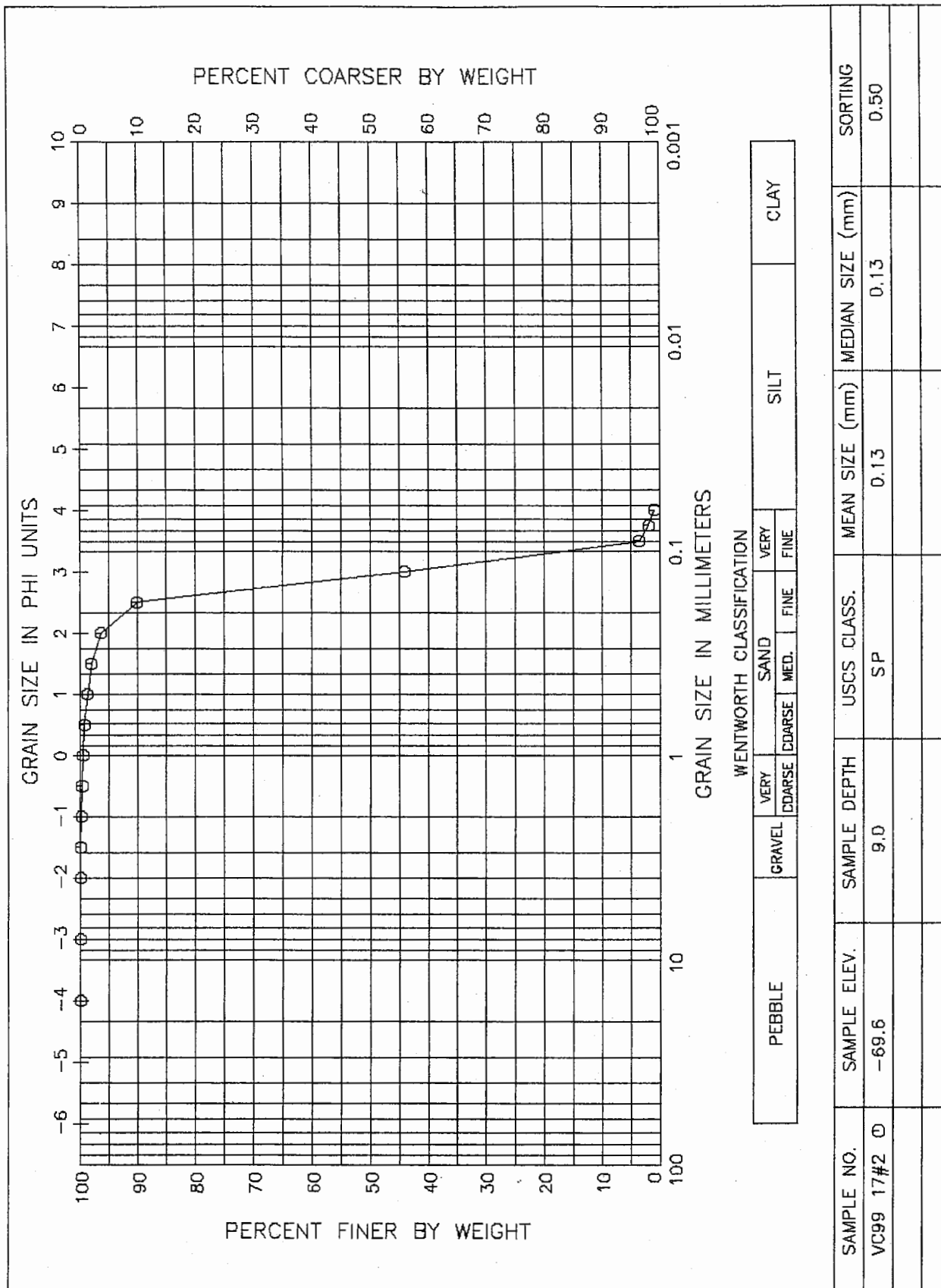
SORTING: 1.45

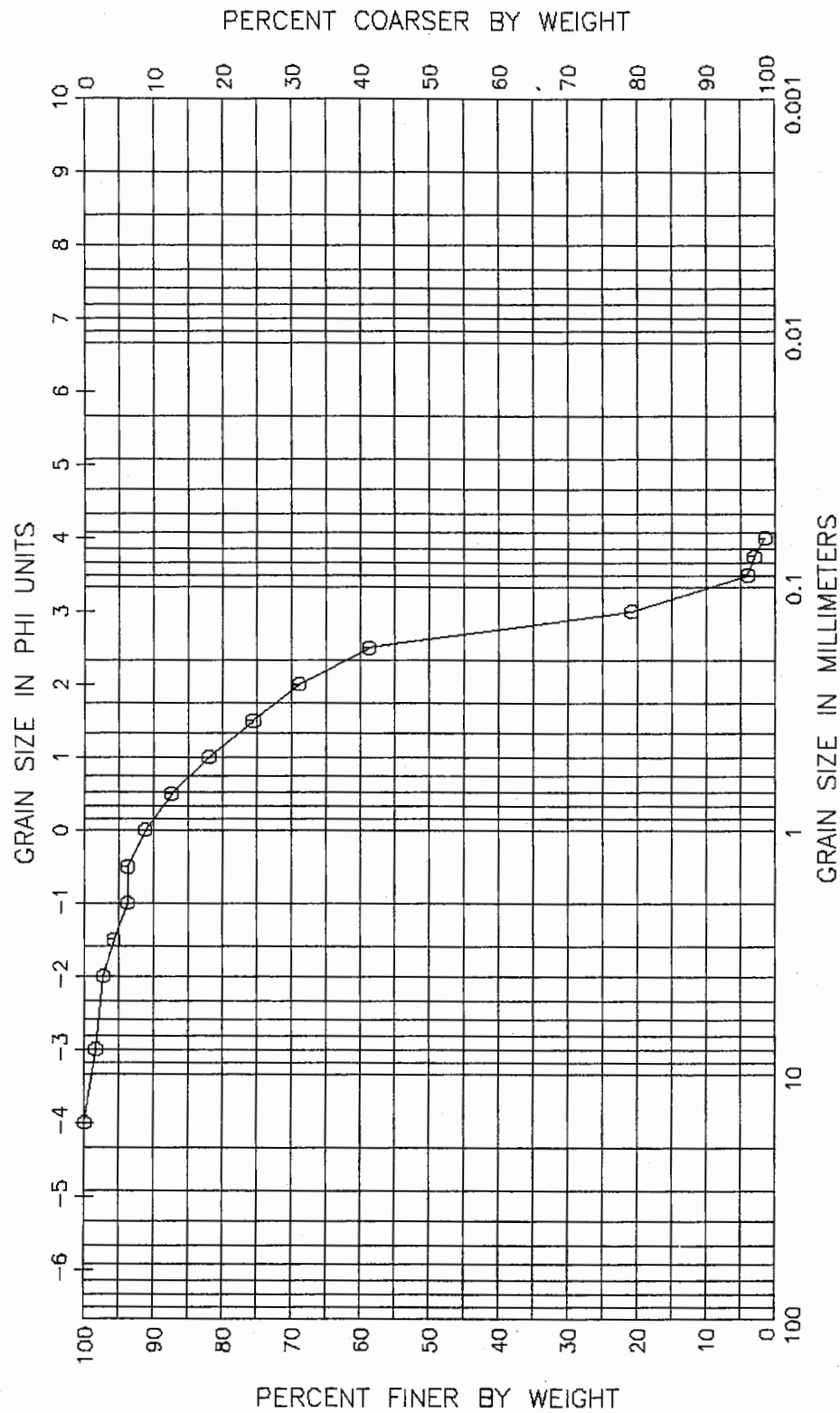
MEAN (mm): 0.24

DATA FILE NAME: VC99-17#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 17#3	-76.2	15.6	SP	0.24	0.16	1.45

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH