

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/1999

SAMPLE NO.: VC99 15#1

SAMPLE ELEV. (FT. NGVD): -48.9

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 91.33

SAMPLE WEIGHT AFTER WASH (GRAMS): 90.23

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	0.11	0.12	99.88
7	-1.50	2.800	0.17	0.19	99.81
10	-1.00	2.000	0.30	0.33	99.67
14	-0.50	1.400	0.48	0.53	99.47
18	0.00	1.000	0.61	0.67	99.33
25	0.50	0.710	0.77	0.84	99.16
35	1.00	0.500	1.09	1.19	98.81
45	1.50	0.355	1.61	1.76	98.24
60	2.00	0.250	3.17	3.47	96.53
80	2.50	0.180	10.67	11.68	88.32
120	3.00	0.125	60.54	66.29	33.71
170	3.50	0.090	88.77	97.20	2.80
200	3.75	0.075	90.02	98.57	1.43
230	4.00	0.063	90.58	99.18	0.82
PAN			91.29	99.96	0.04

PHI(5): 2.09

PHI(16): 2.54

PHI(25): 2.62

PHI(50): 2.85

PHI(75): 3.14

PHI(84): 3.29

PHI(95): 3.46

SIEVE LOSS(g): 0.04

SILT/CLAY: 1.43%

SKEWNESS: -0.193

KURTOSIS: 1.083

## GRAPHIC METHOD

MEAN (PHI): 2.85

SORTING: 0.37

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.82

SORTING: 0.52

MEAN (mm): 0.14

DATA FILE NAME: VC99-15#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/1999

SAMPLE NO.: VC99 15#2

SAMPLE ELEV. (FT. NGVD): -56.4

SAMPLE DEPTH (FT.): 9.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.66

SAMPLE WEIGHT AFTER WASH (GRAMS): 86.68

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	0.61	0.70	99.30
5	-2.00	4.000	0.66	0.75	99.25
7	-1.50	2.800	0.71	0.81	99.19
10	-1.00	2.000	0.76	0.87	99.13
14	-0.50	1.400	0.86	0.98	99.02
18	0.00	1.000	0.89	1.02	98.98
25	0.50	0.710	1.09	1.24	98.76
35	1.00	0.500	1.43	1.63	98.37
45	1.50	0.355	1.82	2.08	97.92
60	2.00	0.250	3.45	3.94	96.06
80	2.50	0.180	10.50	11.98	88.02
120	3.00	0.125	56.89	64.90	35.10
170	3.50	0.090	85.76	97.83	2.17
200	3.75	0.075	86.43	98.60	1.40
230	4.00	0.063	87.03	99.28	0.72
PAN			87.62	99.95	0.05

PHI(5): 2.07

PHI(16): 2.54

PHI(25): 2.62

PHI(50): 2.86

PHI(75): 3.15

PHI(84): 3.29

PHI(95): 3.46

SIEVE LOSS(g): 0.04

SILT/CLAY: 1.40%

SKEWNESS: -0.260

KURTOSIS: 1.075

## GRAPHIC METHOD

MEAN (PHI): 2.84

SORTING: 0.38

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.79

SORTING: 0.71

MEAN (mm): 0.14

DATA FILE NAME: VC99-15#2.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW      ON: 5/20/1999

SAMPLE NO.: VC99 15#3  
SAMPLE ELEV. (FT. NGVD): -60.4  
SAMPLE DEPTH (FT.): 13.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.69  
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.68

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	0.03	0.04	99.96
14	-0.50	1.400	0.12	0.15	99.85
18	0.00	1.000	0.19	0.23	99.77
25	0.50	0.710	0.30	0.37	99.63
35	1.00	0.500	0.53	0.65	99.35
45	1.50	0.355	0.91	1.11	98.89
60	2.00	0.250	2.38	2.91	97.09
80	2.50	0.180	8.17	10.00	90.00
120	3.00	0.125	48.32	59.15	40.85
170	3.50	0.090	80.08	98.03	1.97
200	3.75	0.075	80.54	98.59	1.41
230	4.00	0.063	81.13	99.32	0.68
PAN			81.68	99.99	0.01

PHI (5): 2.15      PHI (16): 2.56      PHI (25): 2.65  
PHI (50): 2.91      PHI (75): 3.20      PHI (84): 3.32  
PHI (95): 3.46

SIEVE LOSS (g): 0.01      SILT/CLAY: 1.41%  
SKEWNESS: -0.271      KURTOSIS: 0.977

GRAPHIC METHOD

MEAN (PHI): 2.88      SORTING: 0.38  
MEAN (mm): 0.14      MEDIAN (mm): 0.13  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88      SORTING: 0.44  
MEAN (mm): 0.14

DATA FILE NAME: VC99-15#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 15#4

SAMPLE ELEV. (FT. NGVD): -63.9

SAMPLE DEPTH (FT.): 17.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.55

SAMPLE WEIGHT AFTER WASH (GRAMS): 77.21

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	0.16	0.20	99.80
7	-1.50	2.800	0.41	0.52	99.48
10	-1.00	2.000	0.62	0.79	99.21
14	-0.50	1.400	0.96	1.22	98.78
18	0.00	1.000	1.07	1.36	98.64
25	0.50	0.710	1.22	1.55	98.45
35	1.00	0.500	1.48	1.88	98.12
45	1.50	0.355	2.01	2.56	97.44
60	2.00	0.250	3.44	4.38	95.62
80	2.50	0.180	9.28	11.81	88.19
120	3.00	0.125	50.44	64.21	35.79
170	3.50	0.090	75.83	96.54	3.46
200	3.75	0.075	76.55	97.45	2.55
230	4.00	0.063	77.79	99.03	0.97
PAN			78.52	99.96	0.04

PHI(5): 2.04

PHI(16): 2.54

PHI(25): 2.63

PHI(50): 2.86

PHI(75): 3.17

PHI(84): 3.31

PHI(95): 3.48

SIEVE LOSS(g): 0.03

SILT/CLAY: 2.55%

SKEWNESS: -0.275

KURTOSIS: 1.087

## 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

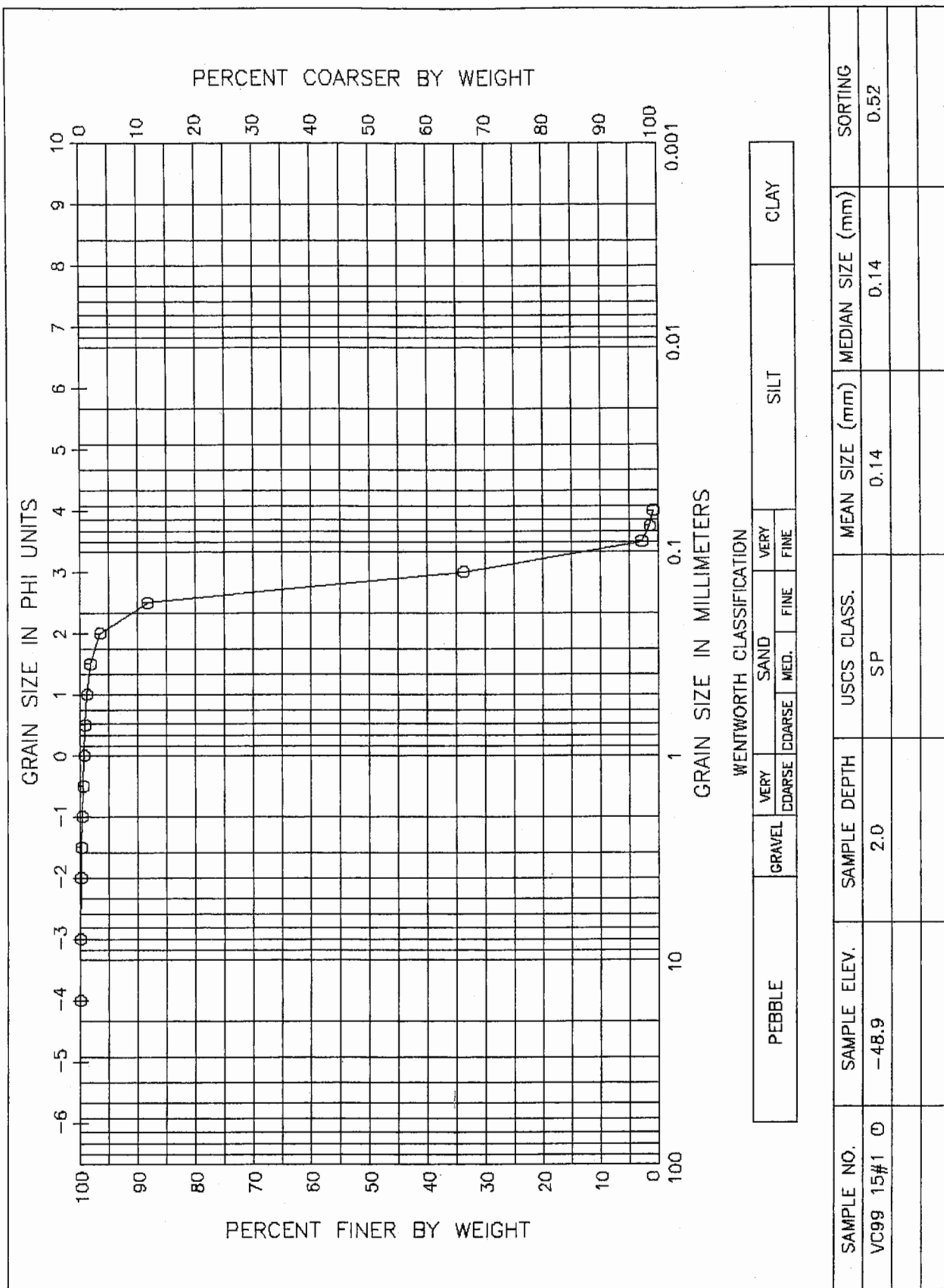
## MOMENT METHOD

MEAN (PHI): 2.81

SORTING: 0.64

MEAN (mm): 0.14

DATA FILE NAME: VC99-15#4.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

