

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 21#1

SAMPLE ELEV. (FT. NGVD): -59.9

SAMPLE DEPTH (FT.): 4.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 79.53

SAMPLE WEIGHT AFTER WASH (GRAMS): 78.51

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	0.16	0.20	99.80
5	-2.00	4.000	0.18	0.23	99.77
7	-1.50	2.800	0.18	0.23	99.77
10	-1.00	2.000	0.25	0.31	99.69
14	-0.50	1.400	0.34	0.43	99.57
18	0.00	1.000	0.44	0.55	99.45
25	0.50	0.710	0.57	0.72	99.28
35	1.00	0.500	0.80	1.01	98.99
45	1.50	0.355	1.07	1.35	98.65
60	2.00	0.250	1.95	2.45	97.55
80	2.50	0.180	6.66	8.37	91.63
120	3.00	0.125	47.86	60.18	39.82
170	3.50	0.090	77.83	97.86	2.14
200	3.75	0.075	78.35	98.52	1.48
230	4.00	0.063	78.92	99.23	0.77
PAN			79.49	99.95	0.05

PHI(5): 2.22

PHI(16): 2.57

PHI(25): 2.66

PHI(50): 2.90

PHI(75): 3.20

PHI(84): 3.32

PHI(95): 3.46

SIEVE LOSS(g): 0.04

SILT/CLAY: 1.48%

SKEWNESS: -0.170

KURTOSIS: 0.953

## GRAPHIC METHOD

MEAN (PHI): 2.89

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.87

SORTING: 0.52

MEAN (mm): 0.14

DATA FILE NAME: VC99-21#1.TAB

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

SAMPLE NO.: VC99 21#2  
SAMPLE ELEV. (FT. NGVD): -63.9  
SAMPLE DEPTH (FT.): 8.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.92  
SAMPLE WEIGHT AFTER WASH (GRAMS): 86.48

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	0.00	0.00	100.00
7	-1.50	2.800	0.01	0.01	99.99
10	-1.00	2.000	0.07	0.08	99.92
14	-0.50	1.400	0.15	0.17	99.83
18	0.00	1.000	0.20	0.23	99.77
25	0.50	0.710	0.30	0.34	99.66
35	1.00	0.500	0.53	0.60	99.40
45	1.50	0.355	0.95	1.08	98.92
60	2.00	0.250	1.99	2.26	97.74
80	2.50	0.180	7.38	8.39	91.61
120	3.00	0.125	57.48	65.38	34.62
170	3.50	0.090	84.73	96.37	3.63
200	3.75	0.075	86.22	98.07	1.93
230	4.00	0.063	87.03	98.99	1.01
PAN			87.90	99.98	0.02

PHI(5): 2.22 PHI(16): 2.57 PHI(25): 2.65  
PHI(50): 2.87 PHI(75): 3.16 PHI(84): 3.30  
PHI(95): 3.48

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.93%  
SKEWNESS: -0.040 KURTOSIS: 1.009

GRAPHIC METHOD

MEAN (PHI): 2.89 SORTING: 0.37  
MEAN (mm): 0.14 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.42  
MEAN (mm): 0.14

DATA FILE NAME: VC99-21#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 21#3  
SAMPLE ELEV. (FT. NGVD): -70.1  
SAMPLE DEPTH (FT.): 14.7  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.07  
SAMPLE WEIGHT AFTER WASH (GRAMS): 85.30

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	0.14	0.16	99.84
7	-1.50	2.800	0.30	0.34	99.66
10	-1.00	2.000	0.42	0.48	99.52
14	-0.50	1.400	0.58	0.67	99.33
18	0.00	1.000	0.75	0.86	99.14
25	0.50	0.710	1.06	1.22	98.78
35	1.00	0.500	1.69	1.94	98.06
45	1.50	0.355	2.57	2.95	97.05
60	2.00	0.250	5.15	5.91	94.09
80	2.50	0.180	15.24	17.50	82.50
120	3.00	0.125	60.95	70.00	30.00
170	3.50	0.090	84.25	96.76	3.24
200	3.75	0.075	83.90	96.36	3.64
230	4.00	0.063	86.04	98.82	1.18
PAN			87.05	99.98	0.02

PHI(5): 1.85 PHI(16): 2.44 PHI(25): 2.57  
PHI(50): 2.81 PHI(75): 3.09 PHI(84): 3.26  
PHI(95): 3.47

SIEVE LOSS(g): 0.02 SILT/CLAY: 3.64%  
SKEWNESS: -0.371 KURTOSIS: 1.273

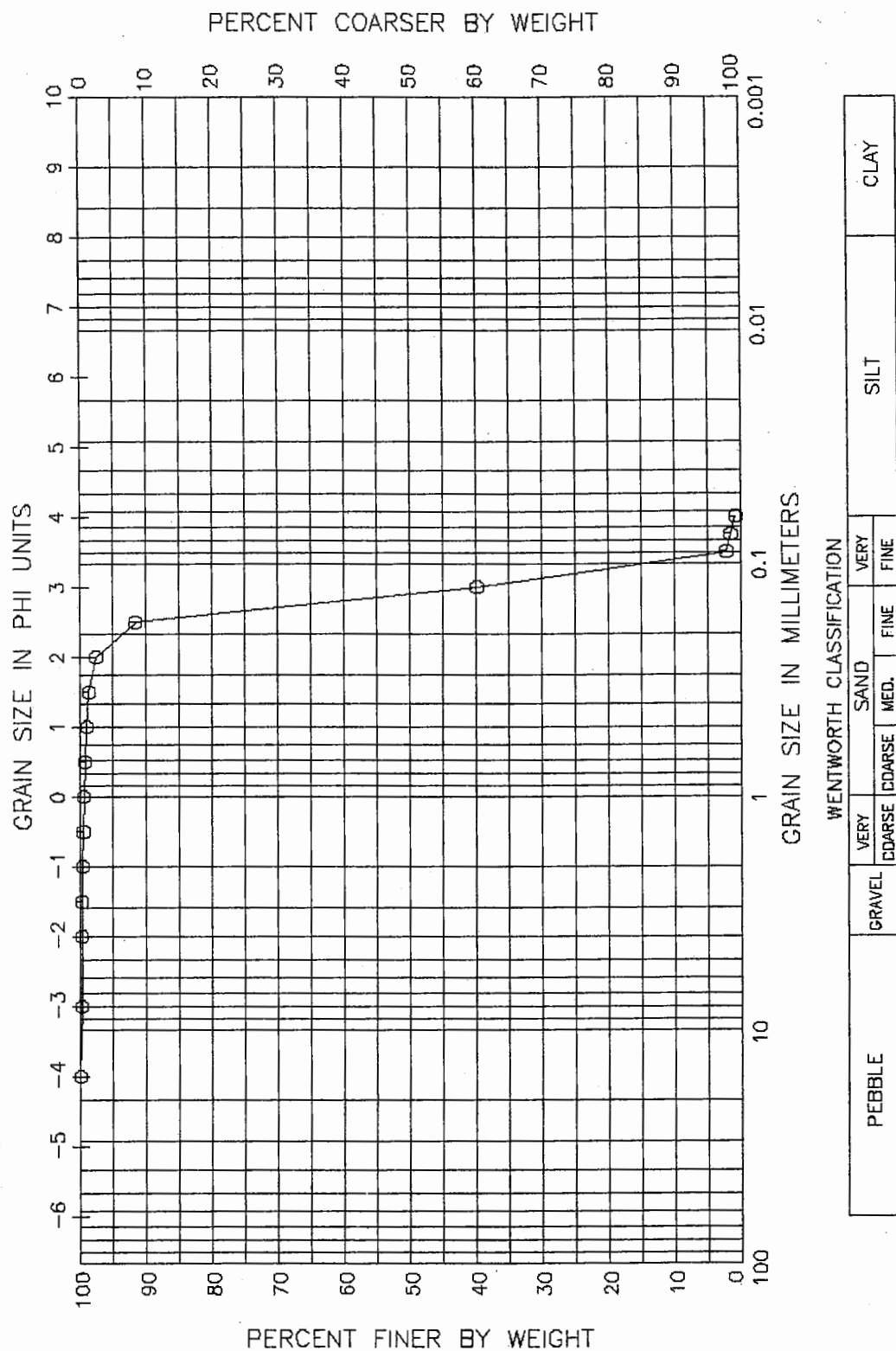
## GRAPHIC METHOD

MEAN (PHI): 2.76 SORTING: 0.41  
MEAN (mm): 0.15 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.75 SORTING: 0.61  
MEAN (mm): 0.15

DATA FILE NAME: VC99-21#3.TAB



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 21#1	-59.9	4.5	SP	0.14	0.13	0.52

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

