

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/11/99

SAMPLE NO.: VC99 11#1

SAMPLE ELEV. (FT. NGVD): -54.2

SAMPLE DEPTH (FT.): 3.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 90.04

SAMPLE WEIGHT AFTER WASH (GRAMS): 88.33

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	0.19	0.21	99.79
5	-2.00	4.000	0.34	0.38	99.62
7	-1.50	2.800	0.65	0.72	99.28
10	-1.00	2.000	0.72	0.80	99.20
14	-0.50	1.400	0.87	0.97	99.03
18	0.00	1.000	1.00	1.11	98.89
25	0.50	0.710	1.17	1.30	98.70
35	1.00	0.500	1.50	1.67	98.33
45	1.50	0.355	2.08	2.31	97.69
60	2.00	0.250	3.70	4.11	95.89
80	2.50	0.180	10.66	11.84	88.16
120	3.00	0.125	61.98	68.84	31.16
170	3.50	0.090	87.11	96.75	3.25
200	3.75	0.075	88.22	97.98	2.02
230	4.00	0.063	89.13	98.98	1.02
PAN			90.04	100.00	0.00

PHI(5): 2.06	PHI(16): 2.54	PHI(25): 2.62
PHI(50): 2.83	PHI(75): 3.11	PHI(84): 3.27
PHI(95): 3.47		

SIEVE LOSS(g): 0.00	SILT/CLAY: 2.02%
SKEWNESS: -0.195	KURTOSIS: 1.168

## GRAPHIC METHOD

MEAN (PHI): 2.83	SORTING: 0.37
MEAN (mm): 0.14	MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.78	SORTING: 0.65
MEAN (mm): 0.15	

DATA FILE NAME: VC99-11#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/11/99

SAMPLE NO.: VC99 11#2  
SAMPLE ELEV. (FT. NGVD): 58.2 7  
SAMPLE DEPTH (FT.): .5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 88.75  
SAMPLE WEIGHT AFTER WASH (GRAMS): 87.05

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	0.09	0.10	99.90
10	-1.00	2.000	0.11	0.12	99.88
14	-0.50	1.400	0.17	0.19	99.81
18	0.00	1.000	0.23	0.26	99.74
25	0.50	0.710	0.29	0.33	99.67
35	1.00	0.500	0.48	0.54	99.46
45	1.50	0.355	1.00	1.13	98.87
60	2.00	0.250	2.46	2.77	97.23
80	2.50	0.180	9.15	10.31	89.69
120	3.00	0.125	50.97	57.43	42.57
170	3.50	0.090	83.56	94.15	5.85
200	3.75	0.075	86.51	97.48	2.52
230	4.00	0.063	87.79	98.92	1.08
PAN			88.74	99.99	0.01

PHI(5): 2.15      PHI(16): 2.56      PHI(25): 2.66  
PHI(50): 2.92      PHI(75): 3.24      PHI(84): 3.36  
PHI(95): 3.56

SIEVE LOSS(g): 0.01      SILT/CLAY: 2.52%  
SKEWNESS: -0.163      KURTOSIS: 0.995

## GRAPHIC METHOD

MEAN (PHI): 2.91      SORTING: 0.40  
MEAN (mm): 0.13      MEDIAN (mm): 0.13  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.90      SORTING: 0.46  
MEAN (mm): 0.13

DATA FILE NAME: VC99-11#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/11/99

SAMPLE NO.: VC99 11#3  
SAMPLE ELEV. (FT. NGVD): -65.2  
SAMPLE DEPTH (FT.): 14.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.73  
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.55

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	0.30	0.36	99.64
5	-2.00	4.000	0.81	0.98	99.02
7	-1.50	2.800	1.29	1.56	98.44
10	-1.00	2.000	1.77	2.14	97.86
14	-0.50	1.400	2.28	2.76	97.24
18	0.00	1.000	2.68	3.24	96.76
25	0.50	0.710	3.13	3.78	96.22
35	1.00	0.500	3.73	4.51	95.49
45	1.50	0.355	4.31	5.21	94.79
60	2.00	0.250	5.81	7.02	92.98
80	2.50	0.180	10.97	13.26	86.74
120	3.00	0.125	47.05	56.87	43.13
170	3.50	0.090	79.70	96.34	3.66
200	3.75	0.075	80.42	97.21	2.79
230	4.00	0.063	81.56	98.59	1.41
PAN			82.69	99.95	0.05

PHI(5): 1.35 PHI(16): 2.53 PHI(25): 2.63  
PHI(50): 2.92 PHI(75): 3.23 PHI(84): 3.34  
PHI(95): 3.48

SIEVE LOSS(g): 0.04 SILT/CLAY: 2.79%  
SKEWNESS: -1.242 KURTOSIS: 1.469

## GRAPHIC METHOD

MEAN (PHI): 2.73 SORTING: 0.41  
MEAN (mm): 0.15 MEDIAN (mm): 0.13  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.74 SORTING: 0.94  
MEAN (mm): 0.15

DATA FILE NAME: VC99-11#3.TAB





