

GRADATION ANALYSIS REPORT  
N. BOCA RATON BORROW AREA VC 9/84  
TESTED BY: MDA      ON: 09-02-94

SAMPLE NO.: BR2 S#3  
SAMPLE ELEV. (FT. NGVD): -51.5  
SAMPLE DEPTH (FT.): -12.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 54.72  
SAMPLE WEIGHT AFTER WASH (GRAMS): 53.80

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.11	.20	99.80
10	-1.0	2.000	.26	.48	99.52
14	-0.5	1.400	.69	1.26	98.74
18	0.0	1.000	1.39	2.54	97.46
25	0.5	.710	3.03	5.54	94.46
35	1.0	.500	6.13	11.20	88.80
45	1.5	.355	11.04	20.18	79.82
60	2.0	.250	28.82	52.67	47.33
80	2.5	.180	46.76	85.45	14.55
120	3.0	.125	53.19	97.20	2.80
170	3.5	.090	53.73	98.19	1.81
200	3.75	.075	53.74	98.21	1.79
230	4.0	.063	54.21	99.07	.93
PAN			54.67	99.91	.09

PHI(5): .41      PHI(16): 1.27      PHI(25): 1.57  
PHI(50): 1.96      PHI(75): 2.34      PHI(84): 2.48  
PHI(95): 2.91

SIEVE LOSS(g): .05      SILT/CLAY: 1.79%  
SKEWNESS: -.601      KURTOSIS: 1.335

GRAPHIC METHOD

MEAN (PHI): 1.80      SORTING: .61  
MEAN (mm): .29      MEDIAN (mm): .26

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.86      SORTING: .74  
MEAN (mm): .28

DATA FILE NAME: B:VC2S#3.TAB

GRADATION ANALYSIS REPORT  
N. BOCA RATON BORROW AREA VC 9/84  
TESTED BY: MDA            ON: 09-02-94

SAMPLE NO.: BR2 S#4  
SAMPLE ELEV. (FT. NGVD): -54.0  
SAMPLE DEPTH (FT.): -15.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 62.96  
SAMPLE WEIGHT AFTER WASH (GRAMS): 62.00

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.08	.13	99.87
7	-1.5	2.800	.25	.40	99.60
10	-1.0	2.000	.70	1.11	98.89
14	-0.5	1.400	1.50	2.38	97.62
18	0.0	1.000	2.79	4.43	95.57
25	0.5	.710	5.26	8.35	91.65
35	1.0	.500	9.95	15.80	84.20
45	1.5	.355	16.57	26.32	73.68
60	2.0	.250	37.36	59.34	40.66
80	2.5	.180	55.24	87.74	12.26
120	3.0	.125	61.37	97.47	2.53
170	3.5	.090	61.90	98.32	1.68
200	3.75	.075	61.93	98.36	1.64
230	4.0	.063	62.42	99.14	.86
PAN			62.91	99.92	.08

PHI(5): .07            PHI(16): 1.01            PHI(25): 1.44  
PHI(50): 1.86            PHI(75): 2.28            PHI(84): 2.43  
PHI(95): 2.87

SIEVE LOSS(g): .05            SILT/CLAY: 1.64%  
SKEWNESS: -.772            KURTOSIS: 1.369

GRAPHIC METHOD

MEAN (PHI): 1.65            SORTING: .71  
MEAN (mm): .32            MEDIAN (mm): .28  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.72            SORTING: .84  
MEAN (mm): .30

DATA FILE NAME: B:VC2S#4.TAB



