

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

SAMPLE NO.: BR3 S#5  
SAMPLE ELEV. (FT. NGVD): -54.5  
SAMPLE DEPTH (FT.): -13.5  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 72.52  
SAMPLE WEIGHT AFTER WASH (GRAMS): 70.75

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	.06	.08	99.92
10	-1.0	2.000	.20	.28	99.72
14	-0.5	1.400	.50	.69	99.31
18	0.0	1.000	.98	1.35	98.65
25	0.5	.710	1.91	2.63	97.37
35	1.0	.500	4.68	6.45	93.55
45	1.5	.355	9.99	13.78	86.22
60	2.0	.250	29.43	40.58	59.42
80	2.5	.180	55.80	76.94	23.06
120	3.0	.125	69.26	95.50	4.50
170	3.5	.090	70.54	97.27	2.73
200	3.75	.075	70.64	97.41	2.59
230	4.0	.063	71.54	98.64	1.36
PAN			72.42	99.86	.14

PHI(5): .81 PHI(16): 1.54 PHI(25): 1.71  
PHI(50): 2.13 PHI(75): 2.47 PHI(84): 2.69  
PHI(95): 2.99

SIEVE LOSS(g): .10 SILT/CLAY: 2.59%  
SKEWNESS: -.463 KURTOSIS: 1.168

GRAPHIC METHOD

MEAN (PHI): 2.03 SORTING: .57  
MEAN (mm): .24 MEDIAN (mm): .23

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.05 SORTING: .68  
MEAN (mm): .24

DATA FILE NAME: B:VC3S#5.TAB

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

SAMPLE NO.: BR3 S#6  
SAMPLE ELEV. (FT. NGVD): -56.3  
SAMPLE DEPTH (FT.): -15.3  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 74.63  
SAMPLE WEIGHT AFTER WASH (GRAMS): 72.50

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	.11	.15	99.85
7	-1.5	2.800	.19	.25	99.75
10	-1.0	2.000	.28	.38	99.62
14	-0.5	1.400	.77	1.03	98.97
18	0.0	1.000	1.14	1.53	98.47
25	0.5	.710	2.05	2.75	97.25
35	1.0	.500	4.25	5.69	94.31
45	1.5	.355	8.70	11.66	88.34
60	2.0	.250	27.09	36.30	63.70
80	2.5	.180	54.85	73.50	26.50
120	3.0	.125	70.91	95.02	4.98
170	3.5	.090	72.33	96.92	3.08
200	3.75	.075	72.45	97.08	2.92
230	4.0	.063	73.54	98.55	1.45
PAN			74.62	99.99	.01

PHI(5): .88      PHI(16): 1.59      PHI(25): 1.77  
PHI(50): 2.18      PHI(75): 2.53      PHI(84): 2.74  
PHI(95): 3.00

SIEVE LOSS(g): .01      SILT/CLAY: 2.92%  
SKEWNESS: -.487      KURTOSIS: 1.136

GRAPHIC METHOD

MEAN (PHI): 2.08      SORTING: .58  
MEAN (mm): .24      MEDIAN (mm): .22

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.10      SORTING: .70  
MEAN (mm): .23

DATA FILE NAME: B:VC3S#6.TAB



