

GRADATION ANALYSIS REPORT
BOCA INLET EBB SHOAL 02-18-93

TESTED BY: MDA ON: 03-09-93

SAMPLE NO.: CORE #4
SAMPLE ELEV. (FT. NGVD): -9.0
SAMPLE DEPTH (FT.): 2.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 224.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 223.60

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	3.20	1.42	98.58
5	-2.0	4.000	6.40	2.85	97.15
7	-1.5	2.800	9.40	4.18	95.82
10	-1.0	2.000	13.40	5.96	94.04
14	-0.5	1.400	20.50	9.12	90.88
18	0.0	1.000	30.90	13.75	86.25
25	0.5	.710	49.30	21.93	78.07
35	1.0	.500	90.20	40.12	59.88
45	1.5	.355	139.50	62.06	37.94
60	2.0	.250	204.40	90.93	9.07
80	2.5	.180	221.50	98.53	1.47
120	3.0	.125	223.20	99.29	.71
170	3.5	.090	223.50	99.42	.58
200	3.75	.075	223.55	99.44	.56
230	4.0	.063	224.15	99.71	.29
PAN			224.75	99.98	.02

SIEVE LOSS(g):	.05	MEAN (mm):	.555
MEDIAN (mm):	.428	SORTING:	.871
SILT/CLAY:	.56%	KURTOSIS:	1.272
SKEWNESS:	-1.452		

PHI(5): -1.27	PHI(16): .14	PHI(25): .58
PHI(50): 1.23	PHI(75): 1.72	PHI(84): 1.88
PHI(95): 2.27		
COEFFICIENT OF CURVATURE :	.815	
COEFFICIENT OF UNIFORMITY:	1.983	

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#4-#8.TAB

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BOCA INLET EBB SHOAL 02-18-93

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SAMPLE NO.: CORE #4
SAMPLE ELEV. (FT. NGVD): -13.1
SAMPLE DEPTH (FT.): 6.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

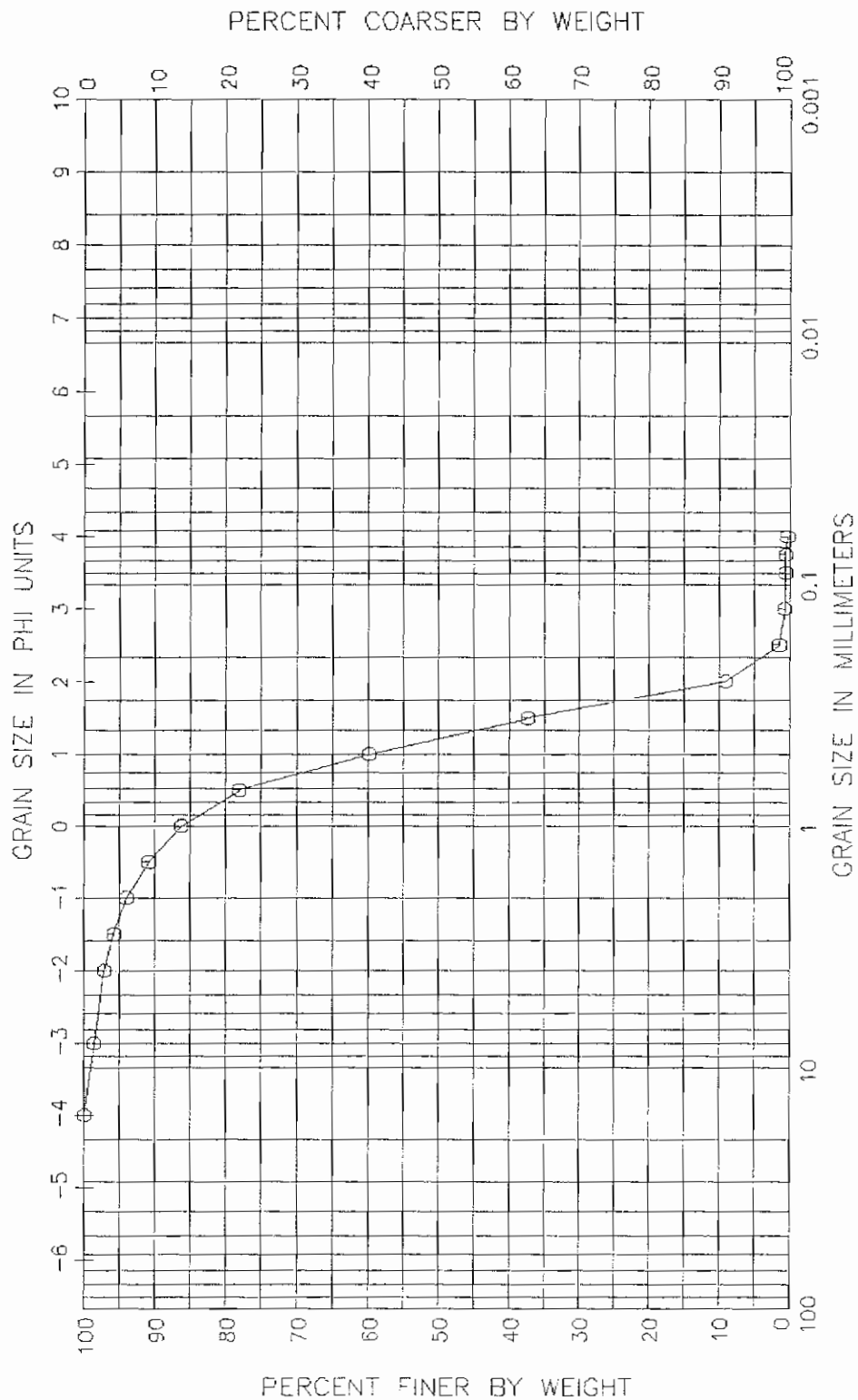
DRY SAMPLE WEIGHT (GRAMS): 206.95
SAMPLE WEIGHT AFTER WASH (GRAMS): 203.80

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	1.00	.48	99.52
5	-2.0	4.000	1.20	.58	99.42
7	-1.5	2.800	1.60	.77	99.23
10	-1.0	2.000	2.10	1.01	98.99
14	-0.5	1.400	3.60	1.74	98.26
18	0.0	1.000	6.85	3.31	96.69
25	0.5	.710	18.40	8.89	91.11
35	1.0	.500	58.50	28.27	71.73
45	1.5	.355	102.85	49.70	50.30
60	2.0	.250	165.80	80.12	19.88
80	2.5	.180	198.10	95.72	4.28
120	3.0	.125	203.25	98.21	1.79
170	3.5	.090	203.50	98.33	1.67
200	3.75	.075	203.70	98.43	1.57
230	4.0	.063	205.33	99.21	.79
PAN			206.95	100.00	.00

SIEVE LOSS(g): .00
MEDIAN (mm): .352 MEAN (mm): .382
SILT/CLAY: 1.57% SORTING: .720
SKEWNESS: -.382 KURTOSIS: .953

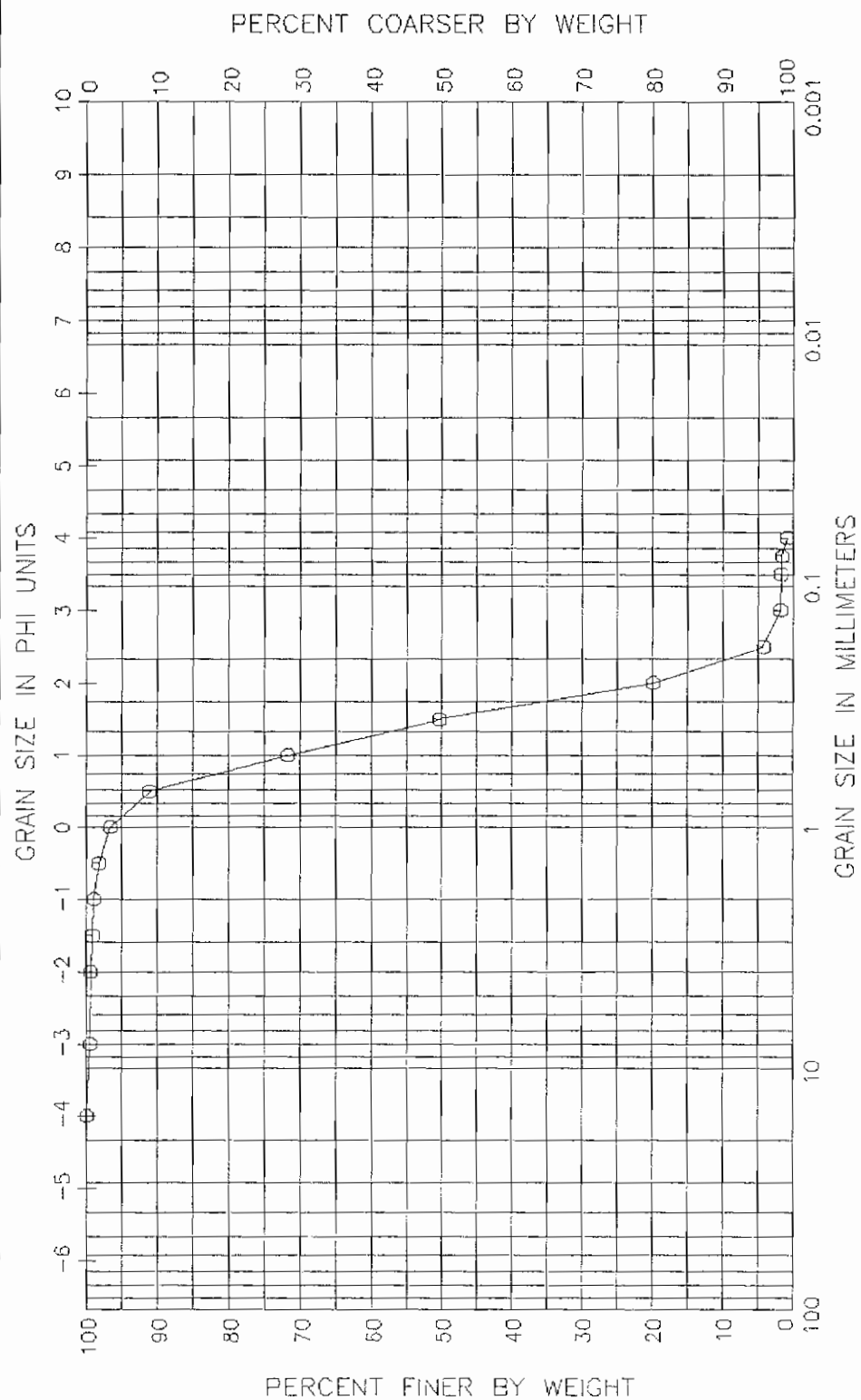
PHI(5): .15 PHI(16): .68 PHI(25): .92
PHI(50): 1.50 PHI(75): 1.92 PHI(84): 2.12
PHI(95): 2.48
COEFFICIENT OF CURVATURE : .948
COEFFICIENT OF UNIFORMITY: 2.060

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:C#4-#9.TAB



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #4	-9.0	2.6	SP	0.56	0.43	0.87

GRAIN SIZE DISTRIBUTION CURVE
BOCA INLET EBB SHOAL 2/18/93



GRAIN SIZE DISTRIBUTION CURVE
BOCA INLET EBB SHOAL 2/18/93

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
CORE #4 ①	-13.1	6.7	SP	0.38	0.35	0.72