

VIBRACORE LOG							
PROJECT: <u>NORTH BOCA RATON BORROW AREA (1994)</u>				CORE NO: <u>NBR - 6A</u>			
COORDINATES:		DATE: SEPT. 20, 1994		WATER DEPTH: 47.2 FL NGVD			
N = 742747		START TIME: 0823		DRILLER: EXMAR			
E = 808021		END TIME: 0834		CLIENT REP : M. ANDREWS			
CORE DIAMETER: 3.0"		ELEV.	DEPTH	LEGEND	DESCRIPTION	SAMP NO.	REMARKS
LENGTH OF BARREL: 20.0'		47.2'	0.0				
PENETRATION DEPTH: 20.0'				JETTED TO 5 FT.			
JETTED TO: 5.0'				SEE NBR-6			
LENGTH RECOVERED: 16.8'							
PERCENT RECOVERED: 98 %							
LENGTH RETAINED : 14.7'							
SUPPORT VESSEL: SEAWARD EXPLORER				JETTED MATERIAL			
POSITIONING: DGPS		52.2'	5.0				
MOTOROLA LGT 1000 / OMNISTAR DGPS							
WEATHER:							
WIND:							
DIR : SSE							
SPEED : 10 -15 Kt		55.2'				2	CUT
WAVES:						8.0'	2.05 Phi 0.24 mm 1.2 % SILT (SP)
DIR : SOUTH							
HEIGHT: 1 -2 Ft			10.0		GRAY, MEDIUM QUARTZOSE SAND WITH GRAY & BLACK CALCAROUS SHELL HASH		CUT
CURRENT:							
DIR : NORTH							
SPEED : MODERATE							
ANALYSIS BY : MDA							
ANALYSIS METHOD:							
VISUAL LOGGING							
MECHANICAL SIEVE			15.0		GRAY, MEDIUM QUARTZOSE SAND WITH GRAY & BLACK CALCAROUS SHELL HASH		CUT
SAND							
SHELLS							
CORAL FRAG.							
SHELL HASH							
ROCK							
		63.2'				3	1.77 Phi 0.29 mm 2.2 % SILT (SP)
						16.0'	CUT
		67.2'	20.0				

NOTE: MEAN WAS CALCULATED USING MOMENT METHOD

NOTE: COORDINATE SYSTEM - FLORIDA STATE PLANE NAD 1927

NOTE: CORE WEIGHTED COMPOSITE 0.27 mm

COASTAL PLANNING & ENGINEERING, INC

GRADATION ANALYSIS REPORT
N. BOCA RATON VIBRACORE 9-94
TESTED BY: MDA ON: 11-14-94

SAMPLE NO.: NBR6 S#2
SAMPLE ELEV. (FT. NGVD): -55.2
SAMPLE DEPTH (FT.): -8.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 71.16
SAMPLE WEIGHT AFTER WASH (GRAMS): 70.35

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	.15	99.85
10	-1.0	2.000	.28	.39	99.61
14	-0.5	1.400	.51	.72	99.28
18	0.0	1.000	.77	1.08	98.92
25	0.5	.710	1.54	2.16	97.84
35	1.0	.500	5.07	7.12	92.88
45	1.5	.355	11.36	15.96	84.04
60	2.0	.250	28.58	40.16	59.84
80	2.5	.180	52.49	73.76	26.24
120	3.0	.125	68.89	96.81	3.19
170	3.5	.090	70.28	98.76	1.24
200	3.75	.075	70.31	98.81	1.19
230	4.0	.063	70.73	99.39	.61
PAN			71.13	99.96	.04

PHI(5): .79 PHI(16): 1.50 PHI(25): 1.69
PHI(50): 2.15 PHI(75): 2.53 PHI(84): 2.72
PHI(95): 2.96

SIEVE LOSS(g): .03 SILT/CLAY: 1.19%
SKEWNESS: -.546 KURTOSIS: 1.061

GRAPHIC METHOD

MEAN (PHI): 2.02 SORTING: .61
MEAN (mm) : .25 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: A:VC6S#2.TAB

GRADATION ANALYSIS REPORT
N. BOCA RATON VIBRACORE 9-94
TESTED BY: MDA ON: 11-14-94

SAMPLE NO.: NBR6 S#3
SAMPLE ELEV. (FT. NGVD): -63.2
SAMPLE DEPTH (FT.): -16.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 61.51
SAMPLE WEIGHT AFTER WASH (GRAMS): 60.18

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	.14	.23	99.77
7	-1.5	2.800	.37	.60	99.40
10	-1.0	2.000	.86	1.40	98.60
14	-0.5	1.400	1.54	2.50	97.50
18	0.0	1.000	2.44	3.97	96.03
25	0.5	.710	4.45	7.23	92.77
35	1.0	.500	9.29	15.10	84.90
45	1.5	.355	16.63	27.04	72.96
60	2.0	.250	35.26	57.32	42.68
80	2.5	.180	51.42	83.60	16.40
120	3.0	.125	59.08	96.05	3.95
170	3.5	.090	60.07	97.66	2.34
200	3.75	.075	60.15	97.79	2.21
230	4.0	.063	60.85	98.92	1.08
PAN			61.51	100.00	.00

PHI(5): .16	PHI(16): 1.04	PHI(25): 1.41
PHI(50): 1.88	PHI(75): 2.34	PHI(84): 2.52
PHI(95): 2.96		

SIEVE LOSS(g): .00	SILT/CLAY: 2.21%
SKEWNESS: -.642	KURTOSIS: 1.245

GRAPHIC METHOD

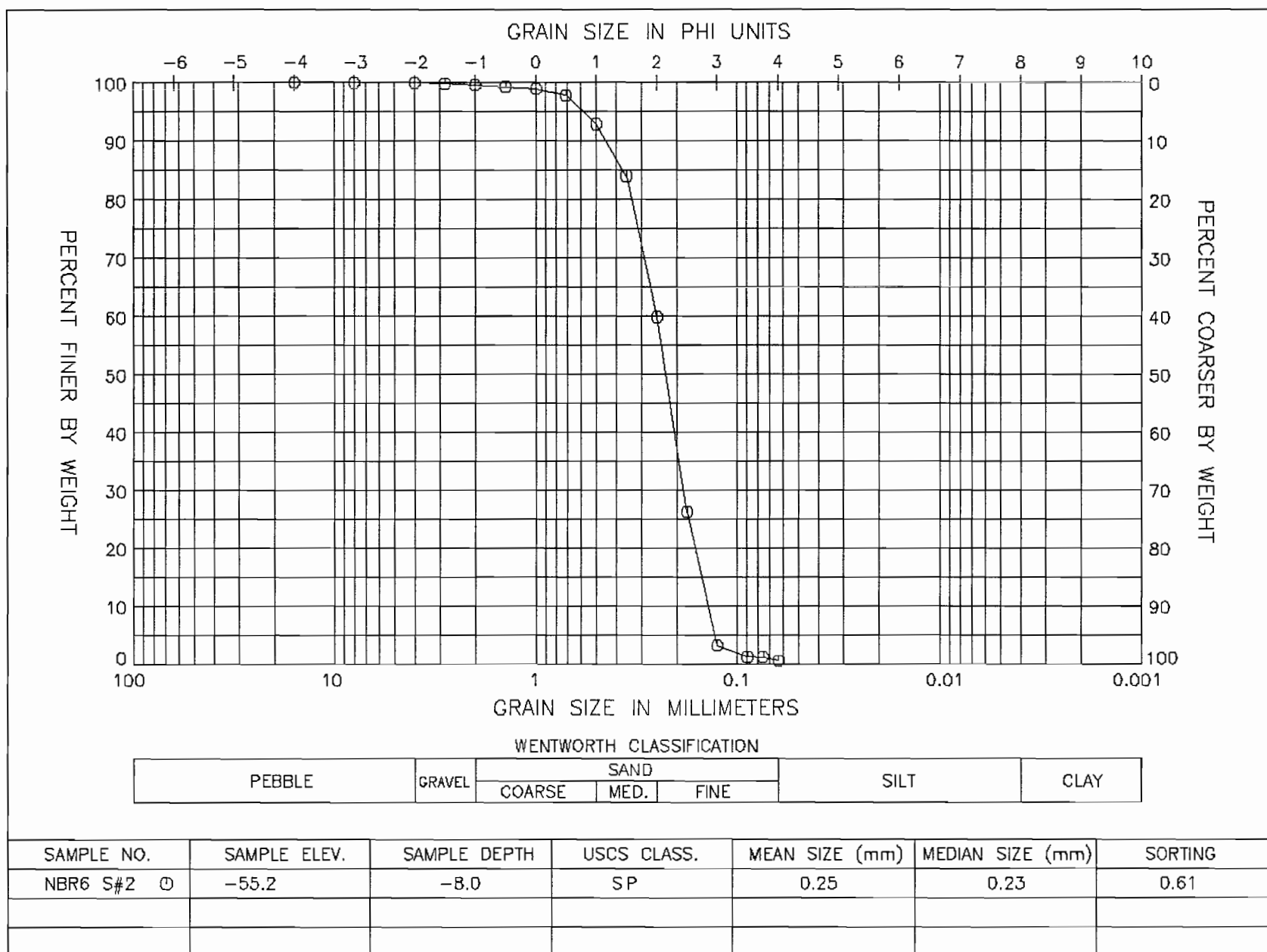
MEAN (PHI): 1.71	SORTING: .74
MEAN (mm): .31	MEDIAN (mm): .27
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

MEAN (PHI): 1.77	SORTING: .87
MEAN (mm): .29	

DATA FILE NAME: A:VC6S#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON VIBRACORE 9-94



GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON VIBRACORE 9-94

