
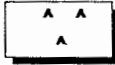
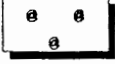



VIBRACORE LOG						
PROJECT: <u>NORTH BOCA RATON BORROW AREA (1984)</u>				CORE NO: <u>BR-4</u>		
COORDINATES: N = 745110 E = 808292	DATE: SEPT. 11, 1984 START TIME: 1835 END TIME: 1850	WATER DEPTH: 47.0 FL NGVD DRILLER: EXMAR (W. BARTH) CLIENT REP: R. SPADONI				
CORE DIAMETER: 2.5" LENGTH OF BARREL: 20.0' PENETRATION DEPTH: 15.5' LENGTH RECOVERED: 14.7' PERCENT RECOVERED: 95 % LENGTH RETAINED : 14.7'	ELEV. 47.0'	DEPTH 0.0	LEGEND D R E D G E D 1 9 8 8	DESCRIPTION GRAY, MEDIUM GRAIN SAND WITH SHELL HASH 8.0 FT	SAMP NO. 1.6' 5.0' 7.0' 7 10.0' 8 12.5' 15.0 15.5' 20.0	REMARKS 0.1 % SILT CUT 0.3 % SILT 0.7 % SILT CUT 1.82 Phi 0.28 mm 2.1 % SILT (SP) 1.54 Phi 0.34 mm 3.1 % SILT (SP)
SUPPORT VESSEL: SEAWARD EXPLORER POSITIONING: TRISPOUNDER						
WEATHER: WIND: DIR: SPEED: WAVES DIR: HEIGHT:						
ANALYSIS BY CPE 1994 ANALYSIS BY UF 1984 ANALYSIS METHOD: VISUAL LOGGING MECHANICAL SIEVE						
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> SAND  </div> <div style="text-align: center;"> SHELLS  </div> <div style="text-align: center;"> CORAL FRAG  </div> <div style="text-align: center;"> SHELL HASH  </div> </div>						

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
 NOTE: UF 1984 COMPOSITE 0.25 mm / CPE 1994 COMPOSITE 0.31 mm

COASTAL PLANNING & ENGINEERING, INC

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

SAMPLE NO.: BR4 S#7
SAMPLE ELEV. (FT. NGVD): -57.0
SAMPLE DEPTH (FT.): -10.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 64.99
SAMPLE WEIGHT AFTER WASH (GRAMS): 63.64

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	.46	.71	99.29
7	-1.5	2.800	.52	.80	99.20
10	-1.0	2.000	.85	1.31	98.69
14	-0.5	1.400	1.16	1.78	98.22
18	0.0	1.000	1.60	2.46	97.54
25	0.5	.710	2.77	4.26	95.74
35	1.0	.500	7.02	10.80	89.20
45	1.5	.355	15.32	23.57	76.43
60	2.0	.250	37.49	57.69	42.31
80	2.5	.180	55.21	84.95	15.05
120	3.0	.125	62.48	96.14	3.86
170	3.5	.090	63.52	97.74	2.26
200	3.75	.075	63.61	97.88	2.12
230	4.0	.063	64.31	98.95	1.05
PAN			64.99	100.00	.00

PHI(5): .56 PHI(16): 1.20 PHI(25): 1.52
PHI(50): 1.89 PHI(75): 2.32 PHI(84): 2.48
PHI(95): 2.95

SIEVE LOSS(g): .00 SILT/CLAY: 2.12%
SKEWNESS: -.269 KURTOSIS: 1.231

GRAPHIC METHOD

MEAN (PHI): 1.82 SORTING: .64
MEAN (mm) : .28 MEDIAN (mm): .27
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.82 SORTING: .81
MEAN (mm) : .28

DATA FILE NAME: B:VC4S#7.TAB

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

SAMPLE NO.: BR4 S#8
SAMPLE ELEV. (FT. NGVD): -59.5
SAMPLE DEPTH (FT.): -12.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 71.68
SAMPLE WEIGHT AFTER WASH (GRAMS): 69.53

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	.26	.36	99.64
7	-1.5	2.800	.79	1.10	98.90
10	-1.0	2.000	1.47	2.05	97.95
14	-0.5	1.400	2.64	3.68	96.32
18	0.0	1.000	4.07	5.68	94.32
25	0.5	.710	7.36	10.27	89.73
35	1.0	.500	15.42	21.51	78.49
45	1.5	.355	26.46	36.91	63.09
60	2.0	.250	50.09	69.88	30.12
80	2.5	.180	64.54	90.04	9.96
120	3.0	.125	68.74	95.90	4.10
170	3.5	.090	69.35	96.75	3.25
200	3.75	.075	69.44	96.88	3.13
230	4.0	.063	70.54	98.40	1.60
PAN			71.62	99.92	.08

PHI(5): -.17 PHI(16): .75 PHI(25): 1.11
PHI(50): 1.70 PHI(75): 2.13 PHI(84): 2.35
PHI(95): 2.92

SIEVE LOSS(g): .06 SILT/CLAY: 3.13%
SKEWNESS: -.644 KURTOSIS: 1.251

GRAPHIC METHOD

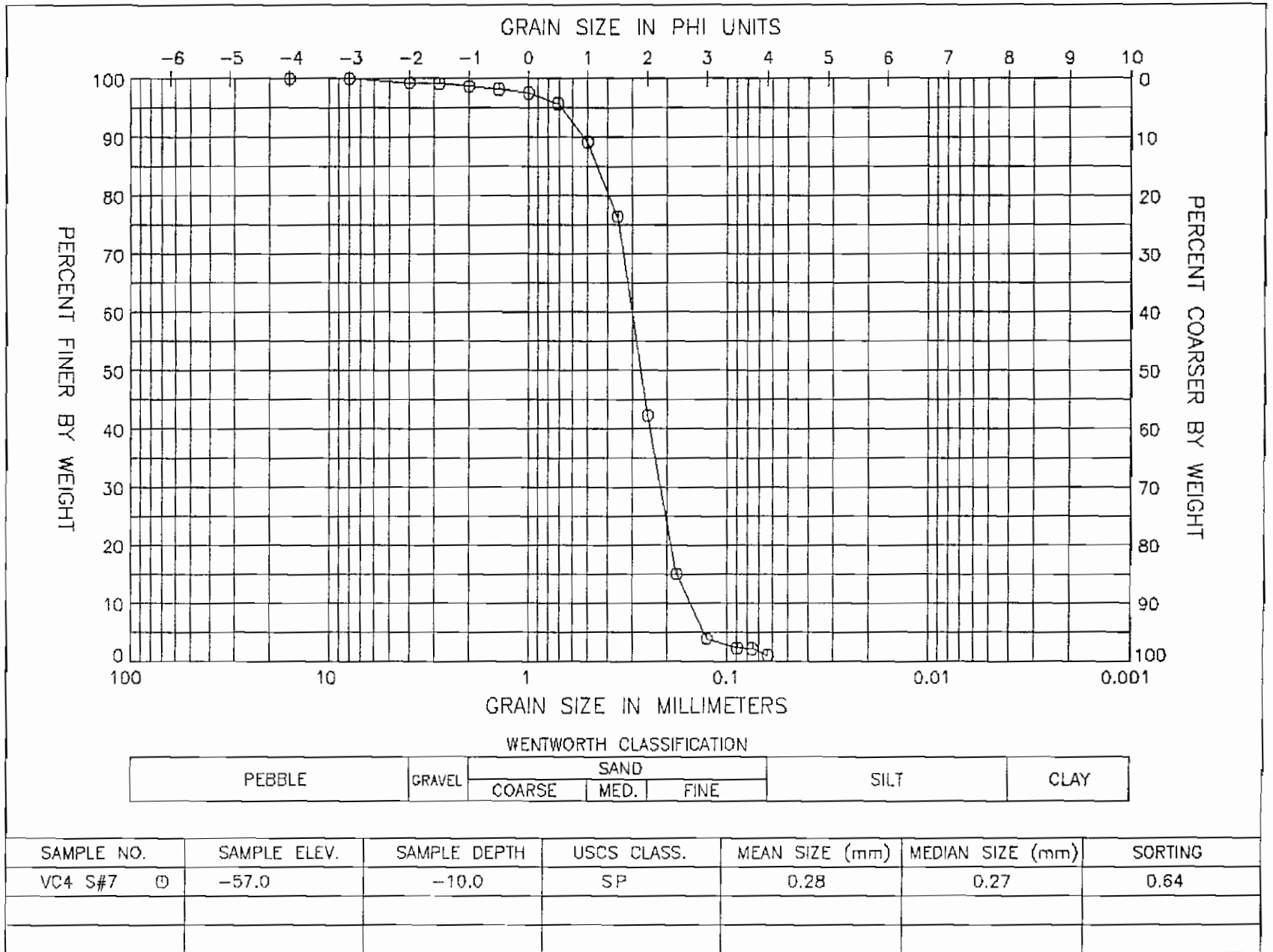
MEAN (PHI): 1.51 SORTING: .80
MEAN (mm): .35 MEDIAN (mm): .31
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.54 SORTING: .92
MEAN (mm): .34

DATA FILE NAME: B:VC4S#8.TAB

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84



GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84

