
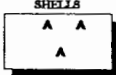
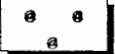
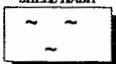


VIBRACORE LOG						
PROJECT: NORTH BOCA RATON BORROW AREA (1984)				CORE NO: BR-3		
COORDINATES: N = 746651 E = 808269	DATE: SEPT. 11, 1984 START TIME: 1536 END TIME: 1547	WATER DEPTH: 41.0 Ft. NGVD DRILLER: EXMAR (W. BARTH) CLIENT REP: R. SPADONI				
CORE DIAMETER: 2.5" LENGTH OF BARREL: 20.0' PENETRATION DEPTH: 18.0' LENGTH RECOVERED: 17.3' PERCENT RECOVERED: 96 % LENGTH RETAINED : 17.3'	ELEV. 41.0'	DEPTH 0.0 5.0 10.0 15.0 18.0 20.0	LEGEND D R E D G E D 1 9 8 8	DESCRIPTION GRAY, MEDIUM GRAIN SAND WITH SHELL HASH 12 FT GRAY, MEDIUM GRAIN SAND WITH SHELL HASH	SAMP NO. 1.0' 4.0' 6.5' 9.6' 5 13.5 -6 15.3'	REMARKS 0.2 % SILT CUT 0.3 % SILT CUT 0.3 % SILT CUT 2.05 Phi 0.24 mm 2.6 % SILT (SP) 2.10 Phi 0.23 mm 2.9 % SILT (SP) 0.9 % SILT
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;"> <p>SAND</p>  </div> <div style="text-align: center;"> <p>SHELLS</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CORAL FRAG.</p>  </div> <div style="text-align: center;"> <p>SHELL HASH</p>  </div> </div>						

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
 NOTE: UF 1984 COMPOSITE 0.28 mm / CPE 1994 COMPOSITE 0.24 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.: 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

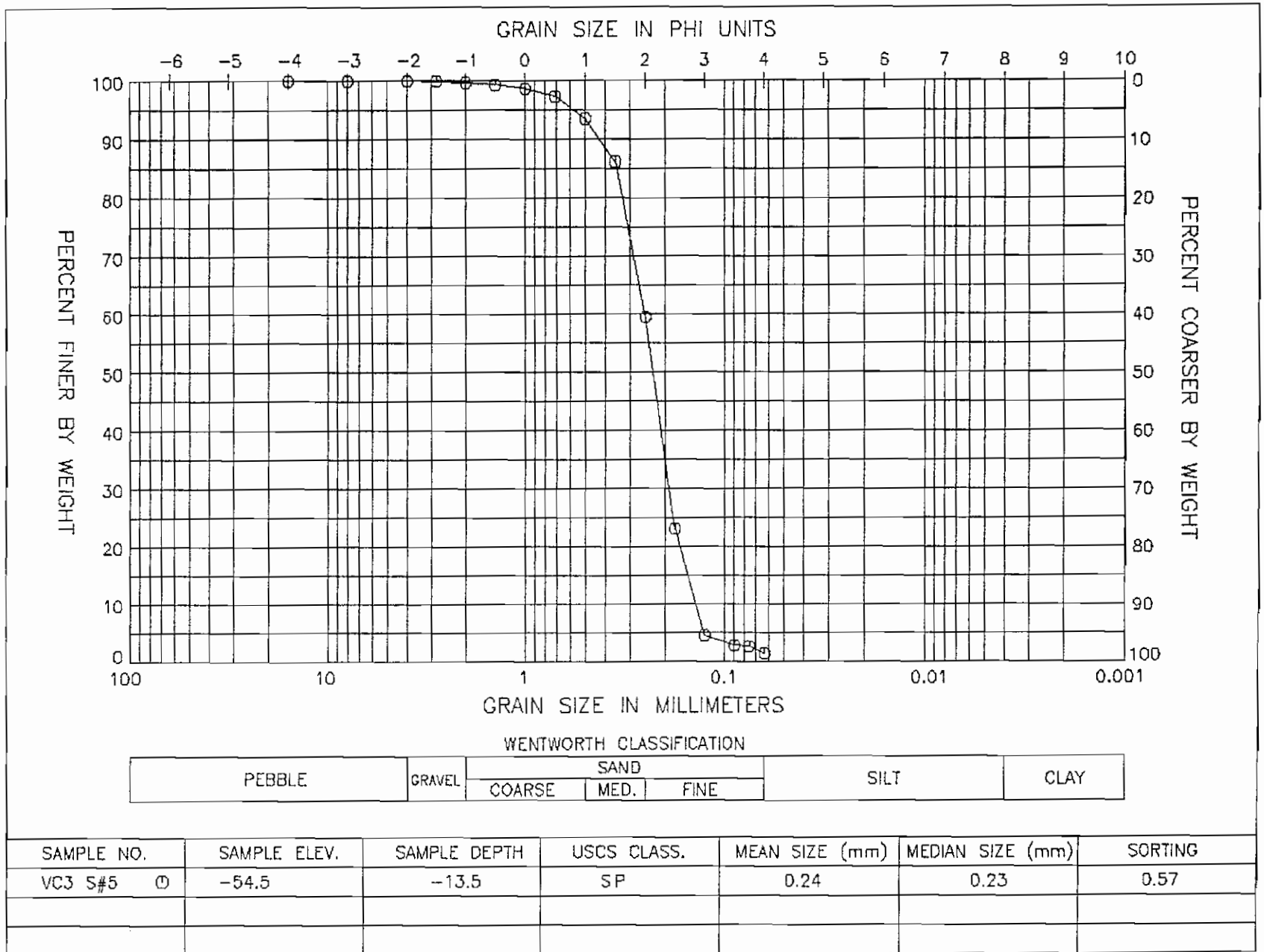
MEAN (PHI):	2.08	SORTING:	.58
MEAN (mm):	.24	MEDIAN (mm):	.22
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD			

MOMENT METHOD

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

DATA FILE NAME: B:VC3S#6.TAB

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



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

