

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
TESTED BY: MDA ON: 03-01-94

SAMPLE NO.: SB16 S#1
SAMPLE ELEV. (FT. NGVD): -36.3
SAMPLE DEPTH (FT.): -2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 134.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 130.50

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	2.90	2.16	97.84
7	-1.5	2.800	3.50	2.60	97.40
10	-1.0	2.000	4.60	3.42	96.58
14	-0.5	1.400	6.90	5.13	94.87
18	0.0	1.000	10.50	7.81	92.19
25	0.5	.710	20.20	15.02	84.98
35	1.0	.500	43.00	31.97	68.03
45	1.5	.355	70.90	52.71	47.29
60	2.0	.250	113.20	84.16	15.84
80	2.5	.180	126.40	93.98	6.02
120	3.0	.125	129.00	95.91	4.09
170	3.5	.090	130.10	96.73	3.27
200	3.75	.075	130.40	96.95	3.05
230	4.0	.063	132.45	98.48	1.52
PAN			134.50	100.00	.00

PHI(5): -.54 PHI(16): .53 PHI(25): .79
PHI(50): 1.43 PHI(75): 1.85 PHI(84): 2.00
PHI(95): 2.76

SIEVE LOSS(g): .00 MEAN (PHI): 1.24
MEDIAN (mm): .370 MEAN (mm): .424
SILT/CLAY: 3.05% SORTING: .734
SKEWNESS: -.643 KURTOSIS: 1.277

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB16S1.TAB

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SAMPLE NO.: SB16 S#2
SAMPLE ELEV. (FT. NGVD): -38.3
SAMPLE DEPTH (FT.): -4.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 137.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 129.60

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	.00	.00	100.00
5	-2.0	4.000	.90	.66	99.34
7	-1.5	2.800	1.20	.87	99.13
10	-1.0	2.000	2.10	1.53	98.47
14	-0.5	1.400	3.10	2.26	97.74
18	0.0	1.000	4.80	3.49	96.51
25	0.5	.710	9.20	6.70	93.30
35	1.0	.500	21.00	15.28	84.72
45	1.5	.355	40.50	29.48	70.52
60	2.0	.250	84.70	61.64	38.36
80	2.5	.180	114.00	82.97	17.03
120	3.0	.125	124.60	90.68	9.32
170	3.5	.090	128.40	93.45	6.55
200	3.75	.075	129.30	94.10	5.90
230	4.0	.063	133.40	97.09	2.91
PAN			137.35	99.96	.04

PHI(5): .24 PHI(16): 1.03 PHI(25): 1.34
PHI(50): 1.82 PHI(75): 2.31 PHI(84): 2.57
PHI(95): 3.82

SIEVE LOSS(g): .05 MEAN (PHI): 1.89
MEDIAN (mm): .283 MEAN (mm): .269
SILT/CLAY: 5.90% SORTING: .771
SKEWNESS: .422 KURTOSIS: 1.515

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB16S2.TAB

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
TESTED BY: MDA ON: 03-01-94

SAMPLE NO.: SB16 S#3
SAMPLE ELEV. (FT. NGVD): -39.3
SAMPLE DEPTH (FT.): -5.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 139.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 121.20

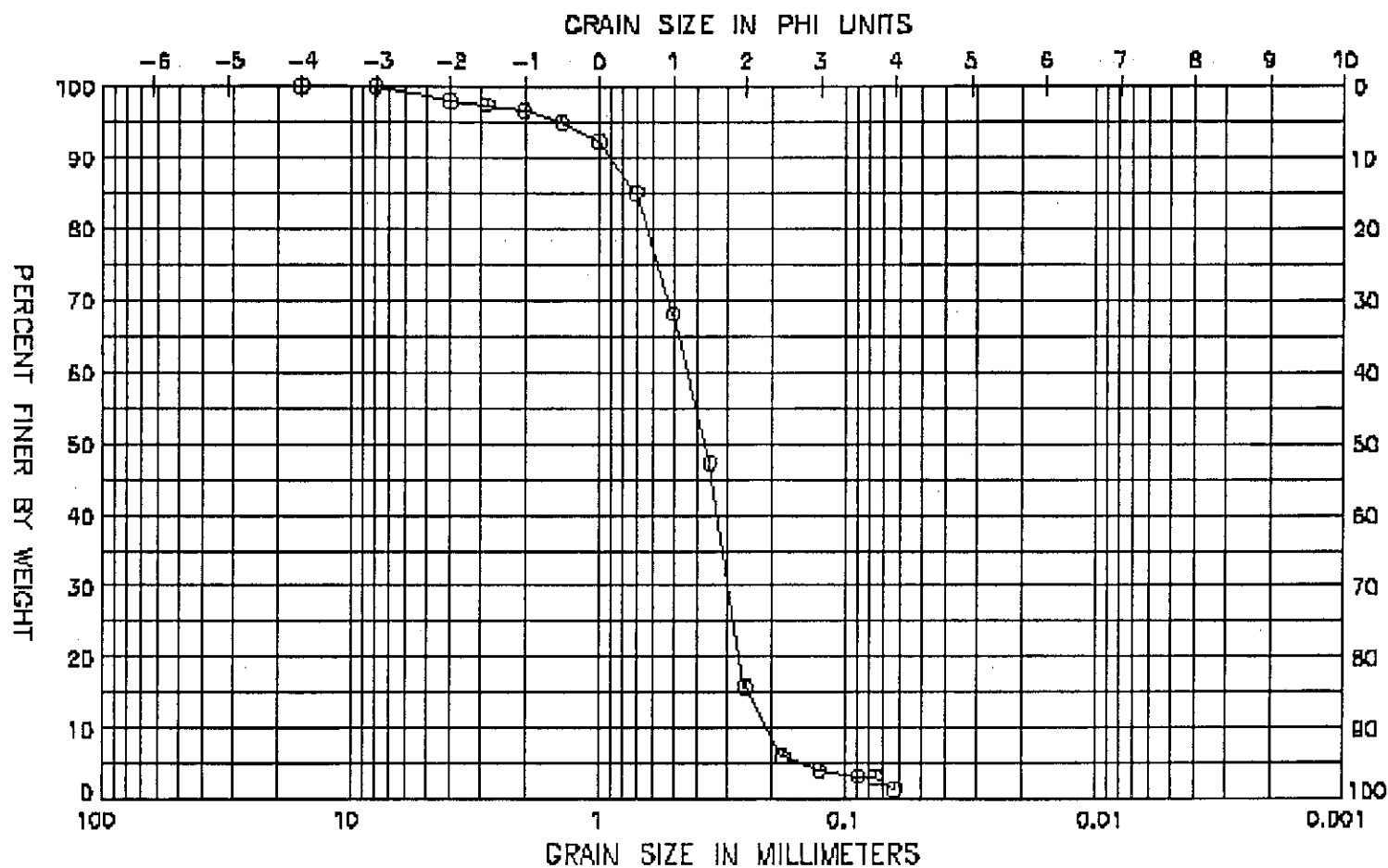
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.30	.22	99.78
7	-1.5	2.800	.60	.43	99.57
10	-1.0	2.000	1.00	.72	99.28
14	-0.5	1.400	1.60	1.15	98.85
18	0.0	1.000	2.10	1.51	98.49
25	0.5	.710	3.40	2.45	97.55
35	1.0	.500	6.30	4.53	95.47
45	1.5	.355	11.70	8.42	91.58
60	2.0	.250	31.20	22.45	77.55
80	2.5	.180	62.80	45.18	54.82
120	3.0	.125	93.90	67.55	32.45
170	3.5	.090	115.20	82.88	17.12
200	3.75	.075	119.80	86.19	13.81
230	4.0	.063	129.70	93.31	6.69
PAN			138.90	99.93	.07

PHI(5): 1.06	PHI(16): 1.77	PHI(25): 2.06
PHI(50): 2.61	PHI(75): 3.24	PHI(84): 3.58
PHI(95): 4.06		

SIEVE LOSS(g): .10	MEAN (PHI): 2.62
MEDIAN (mm): .164	MEAN (mm): .163
SILT/CLAY: 13.81%	SORTING: .907
SKEWNESS: -.096	KURTOSIS: 1.036

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB16S3.TAB

PERCENT COARSER BY WEIGHT



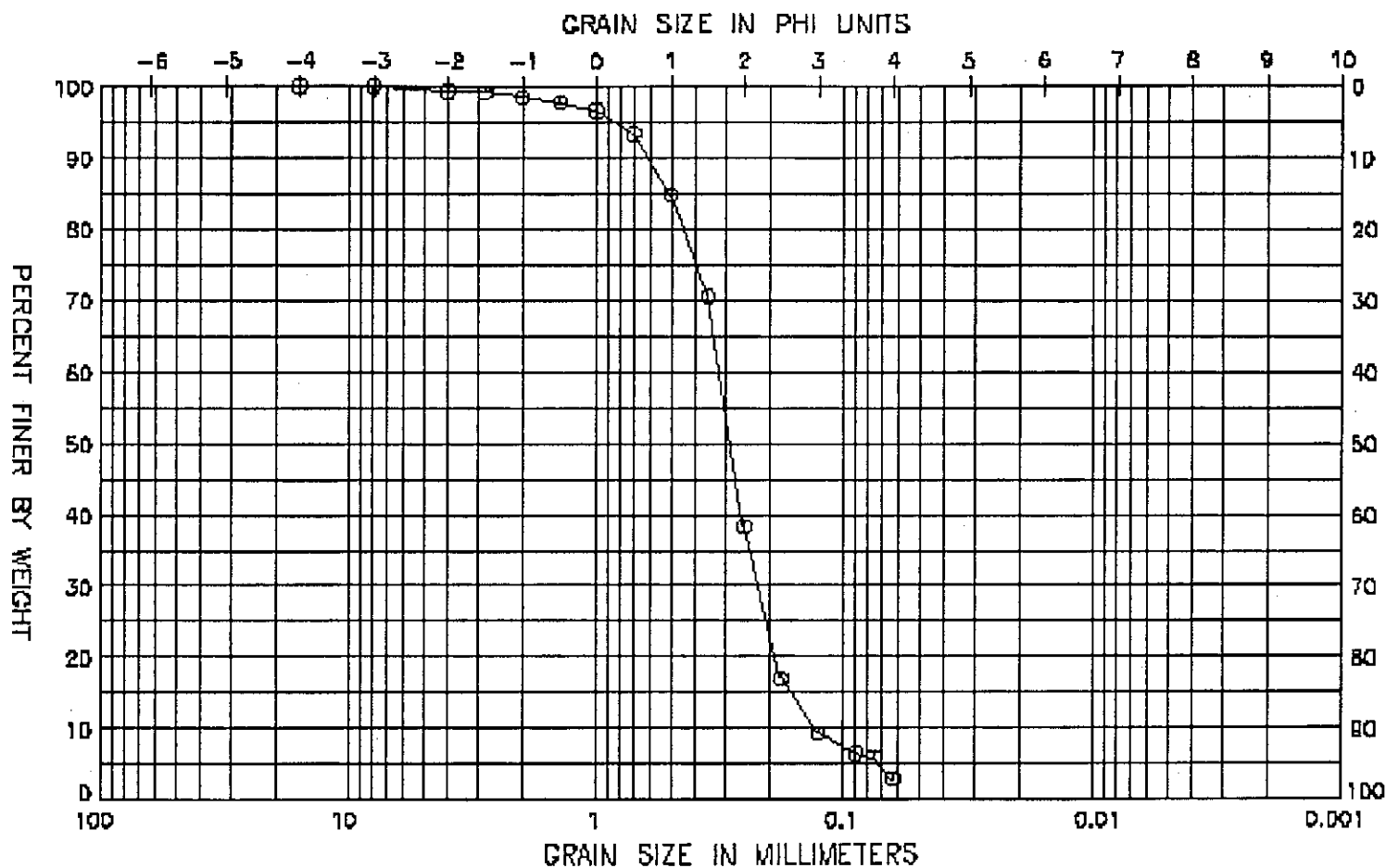
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

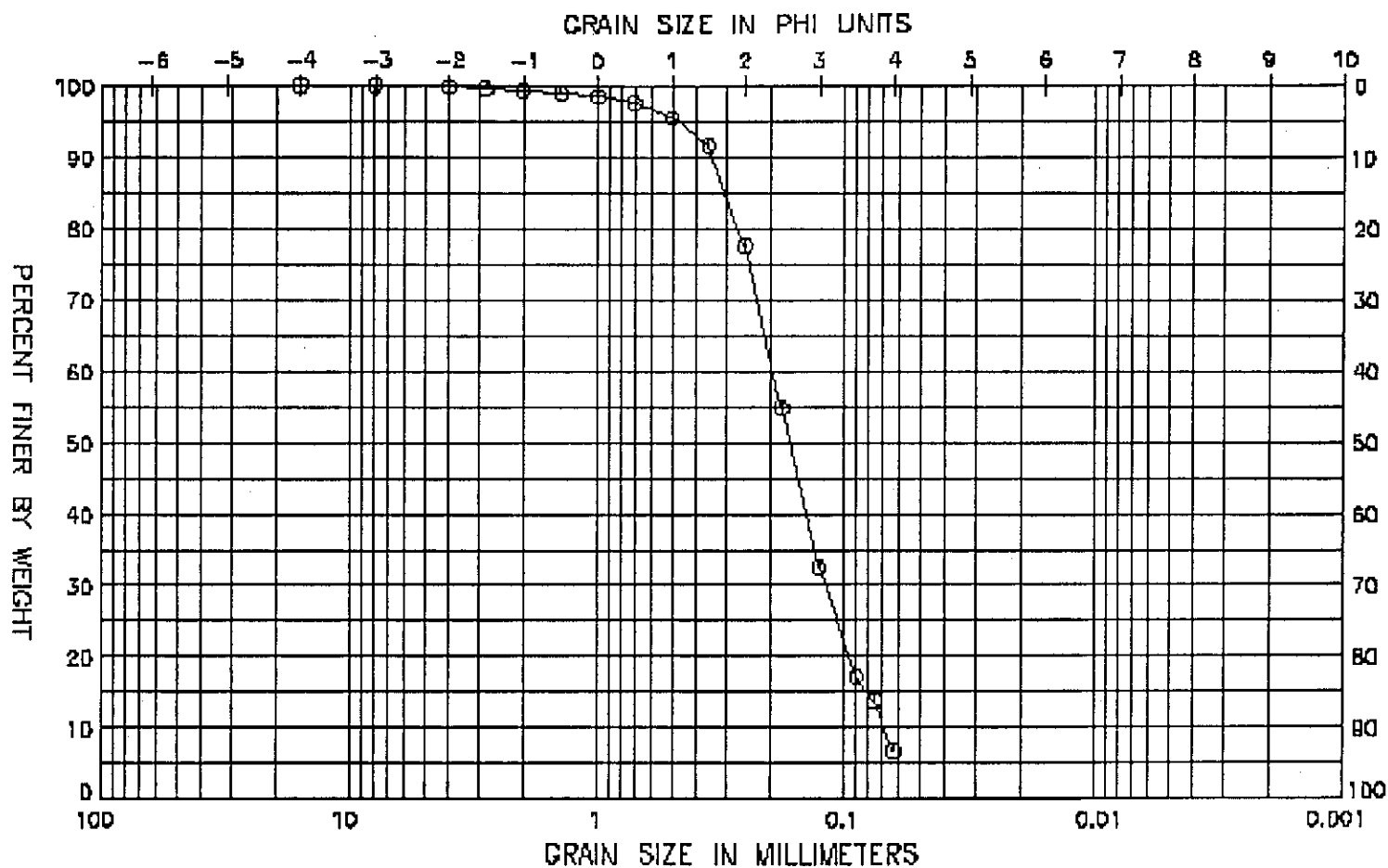
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB1B S#1 ①	-36.3	-2.5	SP	0.42	0.37	0.73

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

PERCENT COARSER BY WEIGHT



PERCENT COARSER BY WEIGHT



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB10 S#3 0	-39.3	-5.5	SM	0.16	0.16	0.91

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994