

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

SAMPLE NO.: SB14 S#1
SAMPLE ELEV. (FT. NGVD): -34.4
SAMPLE DEPTH (FT.): -1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 143.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 141.00

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	2.20	1.53	98.47
7	-1.5	2.800	3.70	2.58	97.42
10	-1.0	2.000	5.30	3.70	96.30
14	-0.5	1.400	8.10	5.65	94.35
18	0.0	1.000	12.60	8.79	91.21
25	0.5	.710	24.10	16.81	83.19
35	1.0	.500	46.55	32.46	67.54
45	1.5	.355	72.40	50.49	49.51
60	2.0	.250	113.60	79.22	20.78
80	2.5	.180	133.50	93.10	6.90
120	3.0	.125	138.70	96.72	3.28
170	3.5	.090	140.50	97.98	2.02
200	3.75	.075	140.80	98.19	1.81
230	4.0	.063	142.10	99.09	.91
PAN			143.35	99.97	.03

PHI(5): -.67 PHI(16): .45 PHI(25): .76
PHI(50): 1.49 PHI(75): 1.93 PHI(84): 2.17
PHI(95): 2.76

SIEVE LOSS(g): .05 MEAN (PHI): 1.24
MEDIAN (mm): .357 MEAN (mm): .423
SILT/CLAY: 1.81% SORTING: .861
SKEWNESS: -.876 KURTOSIS: 1.206

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB14S1.TAB

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SAMPLE NO.: SB14 S#2
SAMPLE ELEV. (FT. NGVD): -36.4
SAMPLE DEPTH (FT.): -3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 160.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 154.30

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	1.10	.68	99.32
7	-1.5	2.800	1.60	.99	99.01
10	-1.0	2.000	2.20	1.37	98.63
14	-0.5	1.400	3.10	1.93	98.07
18	0.0	1.000	4.20	2.61	97.39
25	0.5	.710	6.60	4.10	95.90
35	1.0	.500	13.50	8.39	91.61
45	1.5	.355	26.10	16.22	83.78
60	2.0	.250	67.10	41.70	58.30
80	2.5	.180	115.80	71.97	28.03
120	3.0	.125	142.20	88.38	11.62
170	3.5	.090	151.80	94.34	5.66
200	3.75	.075	153.70	95.53	4.47
230	4.0	.063	157.30	97.76	2.24
PAN			160.75	99.91	.09

PHI(5): .60	PHI(16): 1.49	PHI(25): 1.67
PHI(50): 2.14	PHI(75): 2.59	PHI(84): 2.87
PHI(95): 3.64		

SIEVE LOSS(g): .15	MEAN (PHI): 2.15
MEDIAN (mm): .227	MEAN (mm): .226
SILT/CLAY: 4.47%	SORTING: .690
SKEWNESS: -.031	KURTOSIS: 1.352

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB14S2.TAB

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

SAMPLE NO.: SB14 S#3
SAMPLE ELEV. (FT. NGVD): -37.4
SAMPLE DEPTH (FT.): -4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 169.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 139.80

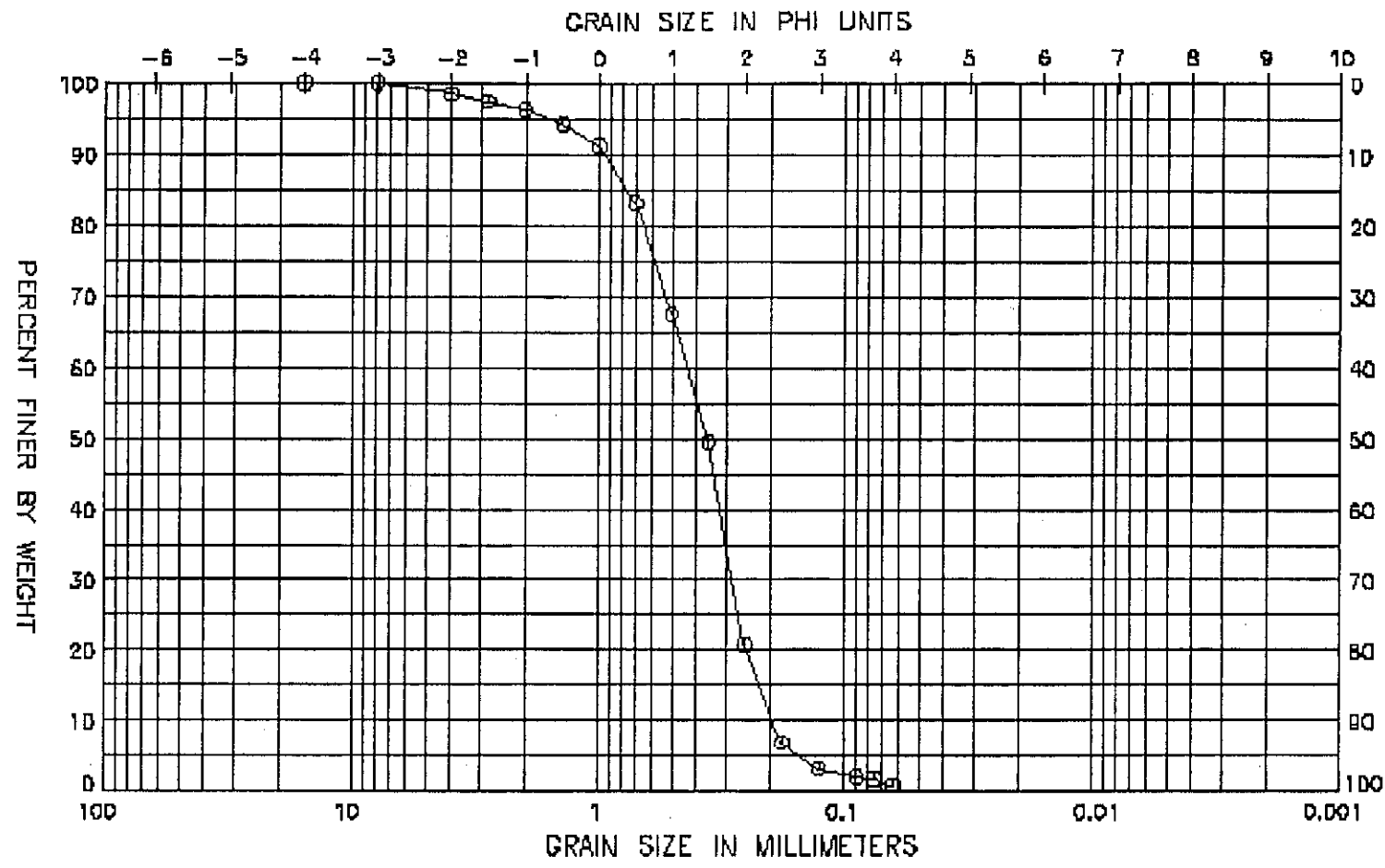
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	4.80	2.83	97.17
7	-1.5	2.800	8.60	5.06	94.94
10	-1.0	2.000	12.20	7.18	92.82
14	-0.5	1.400	16.90	9.95	90.05
18	0.0	1.000	21.40	12.60	87.40
25	0.5	.710	28.20	16.60	83.40
35	1.0	.500	38.20	22.48	77.52
45	1.5	.355	49.20	28.96	71.04
60	2.0	.250	67.70	39.85	60.15
80	2.5	.180	86.40	50.85	49.15
120	3.0	.125	107.45	63.24	36.76
170	3.5	.090	131.80	77.58	22.42
200	3.75	.075	138.30	81.40	18.60
230	4.0	.063	154.35	90.85	9.15
PAN			169.80	99.94	.06

PHI(5): -1.51 PHI(16): .43 PHI(25): 1.19
PHI(50): 2.46 PHI(75): 3.41 PHI(84): 3.82
PHI(95): 4.11

SIEVE LOSS(g): .10 MEAN (PHI): 1.86
MEDIAN (mm): .182 MEAN (mm): .275
SILT/CLAY: 18.60% SORTING: 1.697
SKEWNESS: -2.326 KURTOSIS: 1.040

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB14S3.TAB

PERCENT COARSER BY WEIGHT



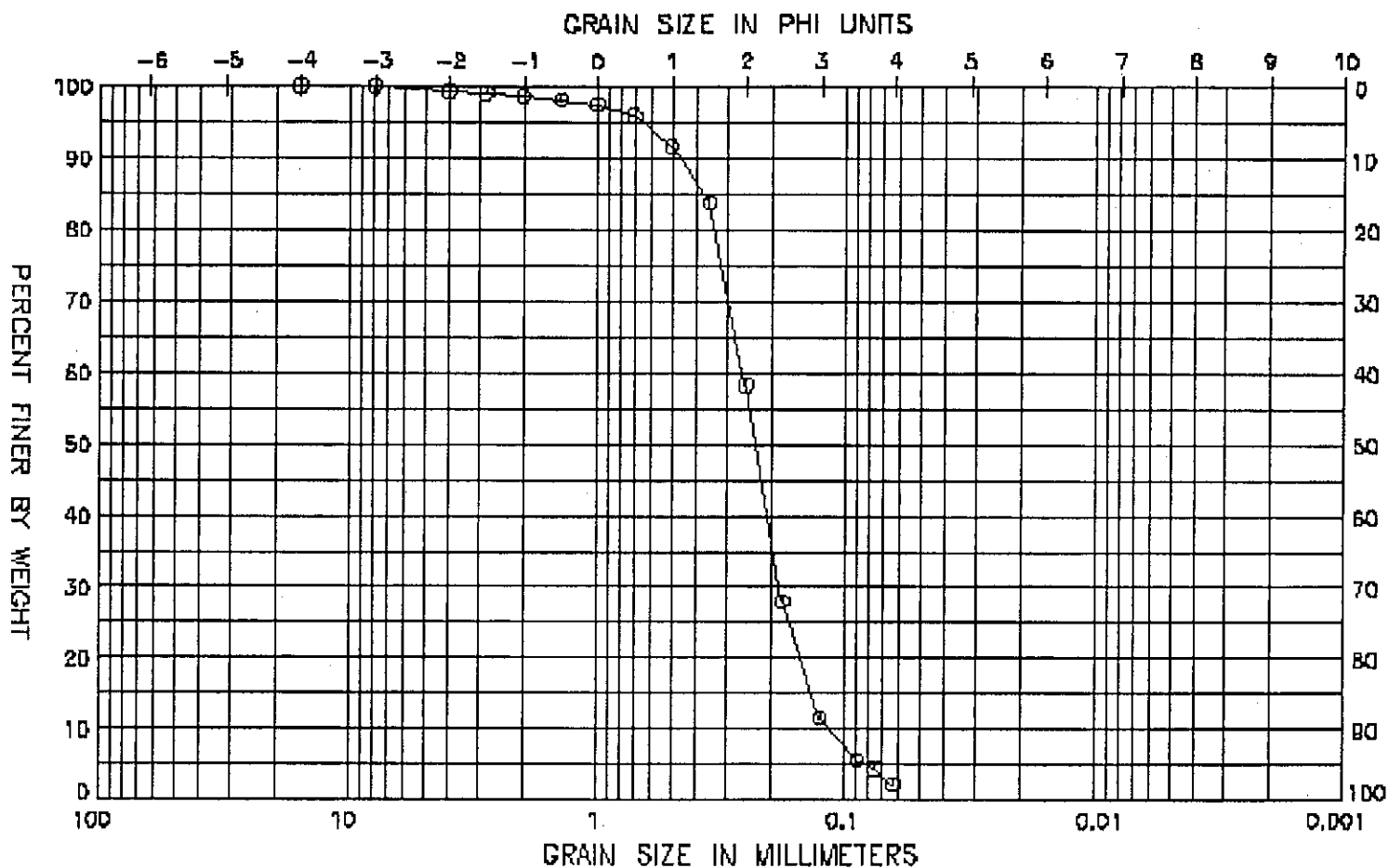
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB14 S#1 ①	-34.4	-1.0	SP	0.42	0.38	0.88

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

PERCENT COARSER BY WEIGHT



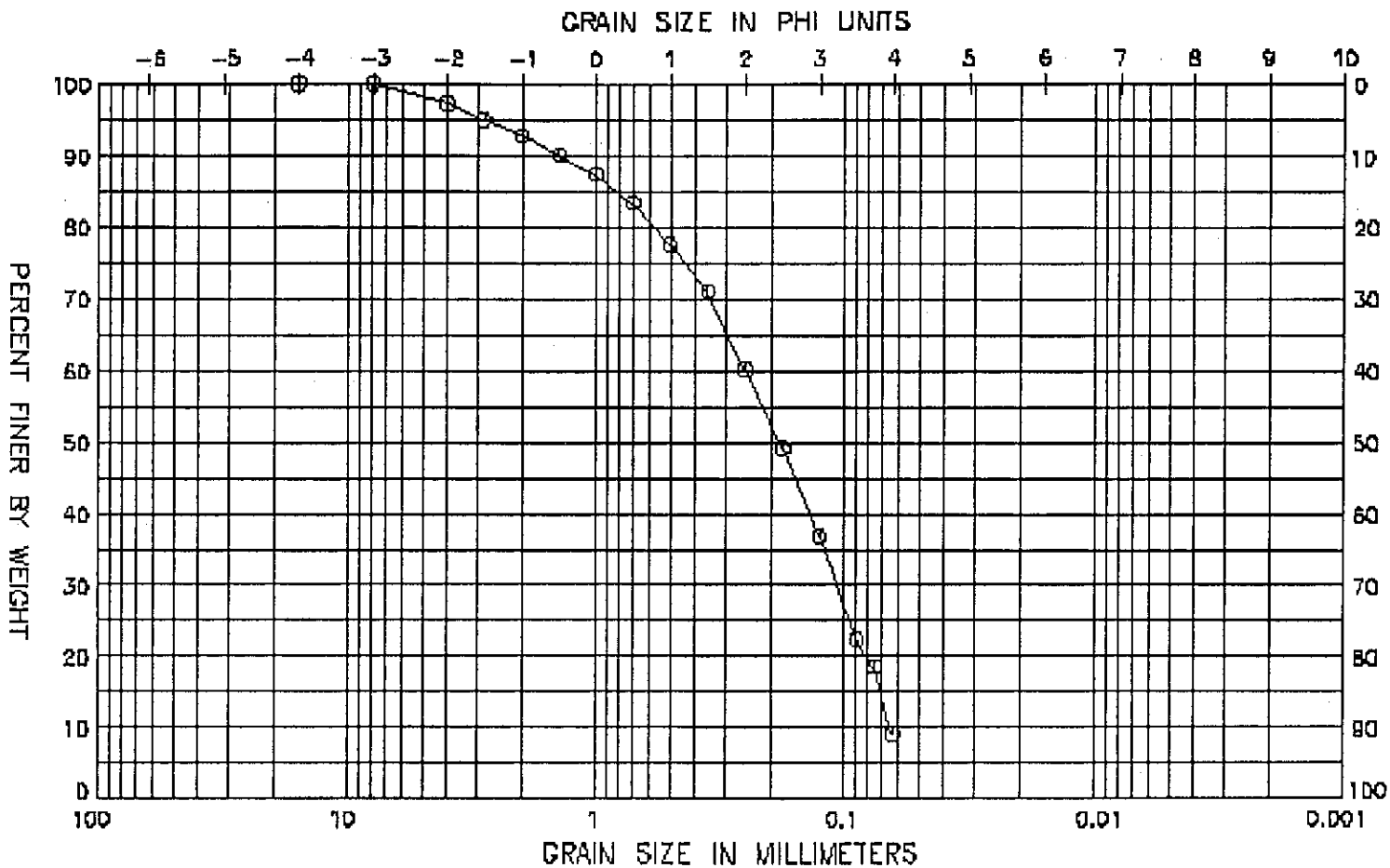
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB14 S#2 0	-36.4	-3.0	SP	0.23	0.23	0.69

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

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
SB14 S#3 0	-37.4	-4.0	SM	0.28	0.18	1.70

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994