

GRADATION ANALYSIS REPORT  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994  
TESTED BY: MDA            ON: 02-04-94

SAMPLE NO.: SB3 S#1  
SAMPLE ELEV. (FT. NGVD): -31.9  
SAMPLE DEPTH (FT.): -1.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 151.10  
SAMPLE WEIGHT AFTER WASH (GRAMS): 148.30

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	.65	.43	99.57
7	-1.5	2.800	1.00	.66	99.34
10	-1.0	2.000	1.80	1.19	98.81
14	-0.5	1.400	3.30	2.18	97.82
18	0.0	1.000	6.30	4.17	95.83
25	0.5	.710	17.50	11.58	88.42
35	1.0	.500	50.55	33.45	66.55
45	1.5	.355	84.70	56.06	43.94
60	2.0	.250	128.30	84.91	15.09
80	2.5	.180	144.70	95.76	4.24
120	3.0	.125	147.00	97.29	2.71
170	3.5	.090	147.90	97.88	2.12
200	3.75	.075	148.10	98.01	1.99
230	4.0	.063	149.55	98.97	1.03
PAN			151.00	99.93	.07

PHI(5):	.06	PHI(16):	.60	PHI(25):	.81
PHI(50):	1.37	PHI(75):	1.83	PHI(84):	1.98
PHI(95):	2.46				

SIEVE LOSS(g):	.10	MEAN (PHI):	1.29
MEDIAN (mm):	.388	MEAN (mm):	.408
SILT/CLAY:	1.99%	SORTING:	.692
SKEWNESS:	-.211	KURTOSIS:	.966

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB3-S1.TAB

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SAMPLE NO.: SB3 S#2  
SAMPLE ELEV. (FT. NGVD): -35.7  
SAMPLE DEPTH (FT.): -4.8  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 143.40  
SAMPLE WEIGHT AFTER WASH (GRAMS): 139.20

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	3.70	2.58	97.42
7	-1.5	2.800	5.80	4.04	95.96
10	-1.0	2.000	8.95	6.24	93.76
14	-0.5	1.400	13.70	9.55	90.45
18	0.0	1.000	19.40	13.53	86.47
25	0.5	.710	32.60	22.73	77.27
35	1.0	.500	57.90	40.38	59.62
45	1.5	.355	80.50	56.14	43.86
60	2.0	.250	113.10	78.87	21.13
80	2.5	.180	131.40	91.63	8.37
120	3.0	.125	136.20	94.98	5.02
170	3.5	.090	138.25	96.41	3.59
200	3.75	.075	138.90	96.86	3.14
230	4.0	.063	141.10	98.40	1.60
PAN			143.30	99.93	.07

PHI(5): -1.28	PHI(16): .13	PHI(25): .56
PHI(50): 1.31	PHI(75): 1.91	PHI(84): 2.20
PHI(95): 3.01		

SIEVE LOSS(g): .10	MEAN (PHI): 1.07
MEDIAN (mm): .405	MEAN (mm): .475
SILT/CLAY: 3.14%	SORTING: 1.033
SKEWNESS: -.886	KURTOSIS: 1.302

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB3-S2.TAB

GRADATION ANALYSIS REPORT  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994  
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SAMPLE NO.: SB3 S#3  
SAMPLE ELEV. (FT. NGVD): -36.3  
SAMPLE DEPTH (FT.): -5.4  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 167.00  
SAMPLE WEIGHT AFTER WASH (GRAMS): 157.50

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	.60	.36	99.64
7	-1.5	2.800	1.10	.66	99.34
10	-1.0	2.000	1.90	1.14	98.86
14	-0.5	1.400	3.00	1.80	98.20
18	0.0	1.000	4.50	2.69	97.31
25	0.5	.710	8.20	4.91	95.09
35	1.0	.500	17.00	10.18	89.82
45	1.5	.355	30.60	18.32	81.68
60	2.0	.250	70.90	42.46	57.54
80	2.5	.180	119.90	71.80	28.20
120	3.0	.125	144.40	86.47	13.53
170	3.5	.090	154.80	92.69	7.31
200	3.75	.075	156.90	93.95	6.05
230	4.0	.063	161.95	96.98	3.02
PAN			166.90	99.94	.06

PHI(5): .51 PHI(16): 1.36 PHI(25): 1.64  
PHI(50): 2.13 PHI(75): 2.61 PHI(84): 2.92  
PHI(95): 3.84

SIEVE LOSS(g): .10 MEAN (PHI): 2.15  
MEDIAN (mm): .229 MEAN (mm): .225  
SILT/CLAY: 6.05% SORTING: .779  
SKEWNESS: .088 KURTOSIS: 1.405

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB3-S3.TAB

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SAMPLE NO.: SB3 S#4  
SAMPLE ELEV. (FT. NGVD): -37.9  
SAMPLE DEPTH (FT.): -7.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 183.35  
SAMPLE WEIGHT AFTER WASH (GRAMS): 149.20

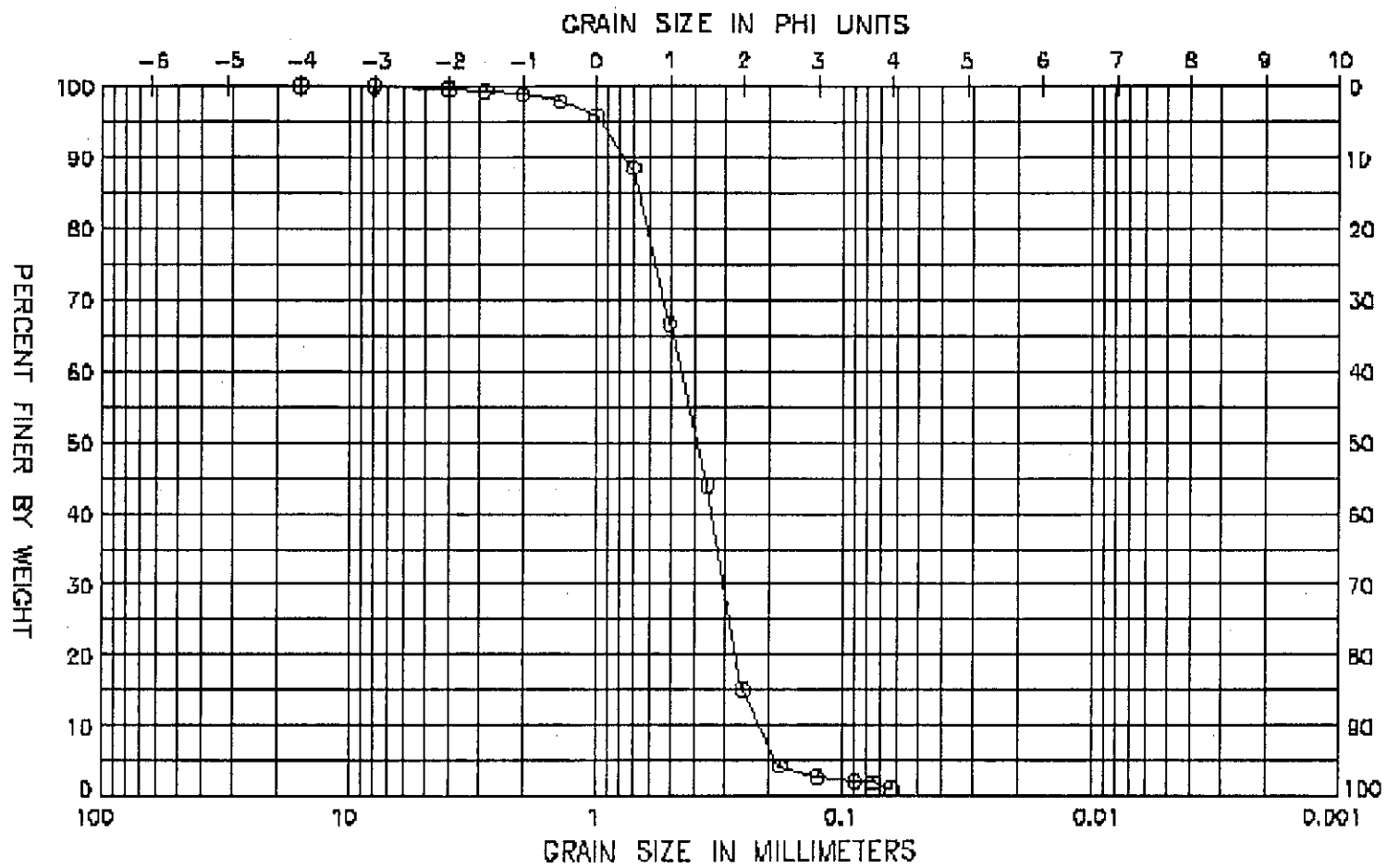
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	7.00	3.82	96.18
7	-1.5	2.800	12.10	6.60	93.40
10	-1.0	2.000	16.60	9.05	90.95
14	-0.5	1.400	22.20	12.11	87.89
18	0.0	1.000	30.00	16.36	83.64
25	0.5	.710	42.40	23.13	76.87
35	1.0	.500	60.40	32.94	67.06
45	1.5	.355	72.30	39.43	60.57
60	2.0	.250	87.70	47.83	52.17
80	2.5	.180	103.20	56.29	43.71
120	3.0	.125	118.90	64.85	35.15
170	3.5	.090	141.40	77.12	22.88
200	3.75	.075	148.10	80.77	19.23
230	4.0	.063	165.98	90.52	9.48
PAN			183.35	100.00	.00

PHI(5): -1.79	PHI(16): -.04	PHI(25): .60
PHI(50): 2.13	PHI(75): 3.41	PHI(84): 3.83
PHI(95): 4.11		

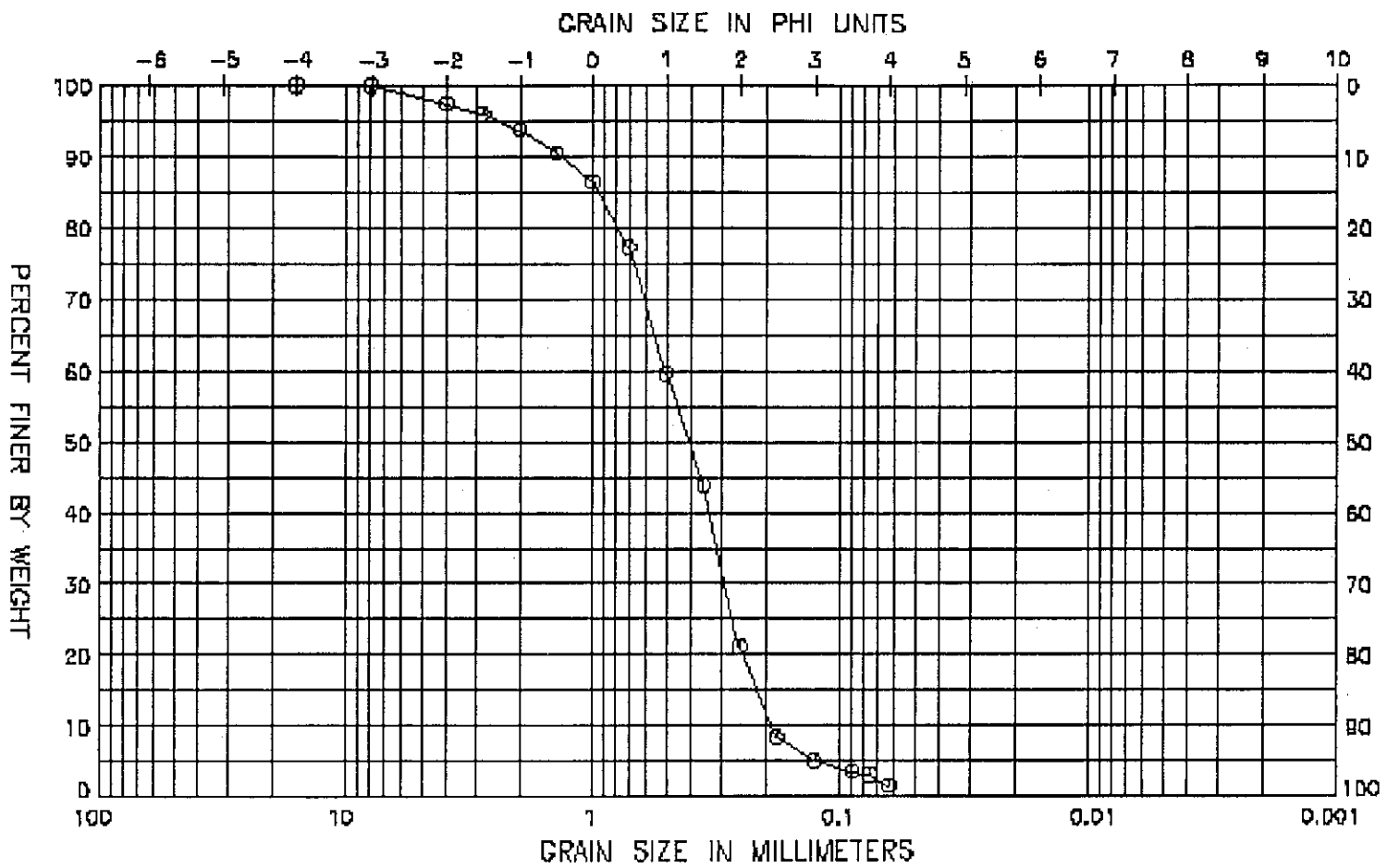
SIEVE LOSS(g): .00	MEAN (PHI): 1.65
MEDIAN (mm): .229	MEAN (mm): .319
SILT/CLAY: 19.23%	SORTING: 1.938
SKEWNESS: -1.929	KURTOSIS: .858

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB3-S4.TAB

PERCENT COARSER BY WEIGHT



PERCENT COARSER BY WEIGHT



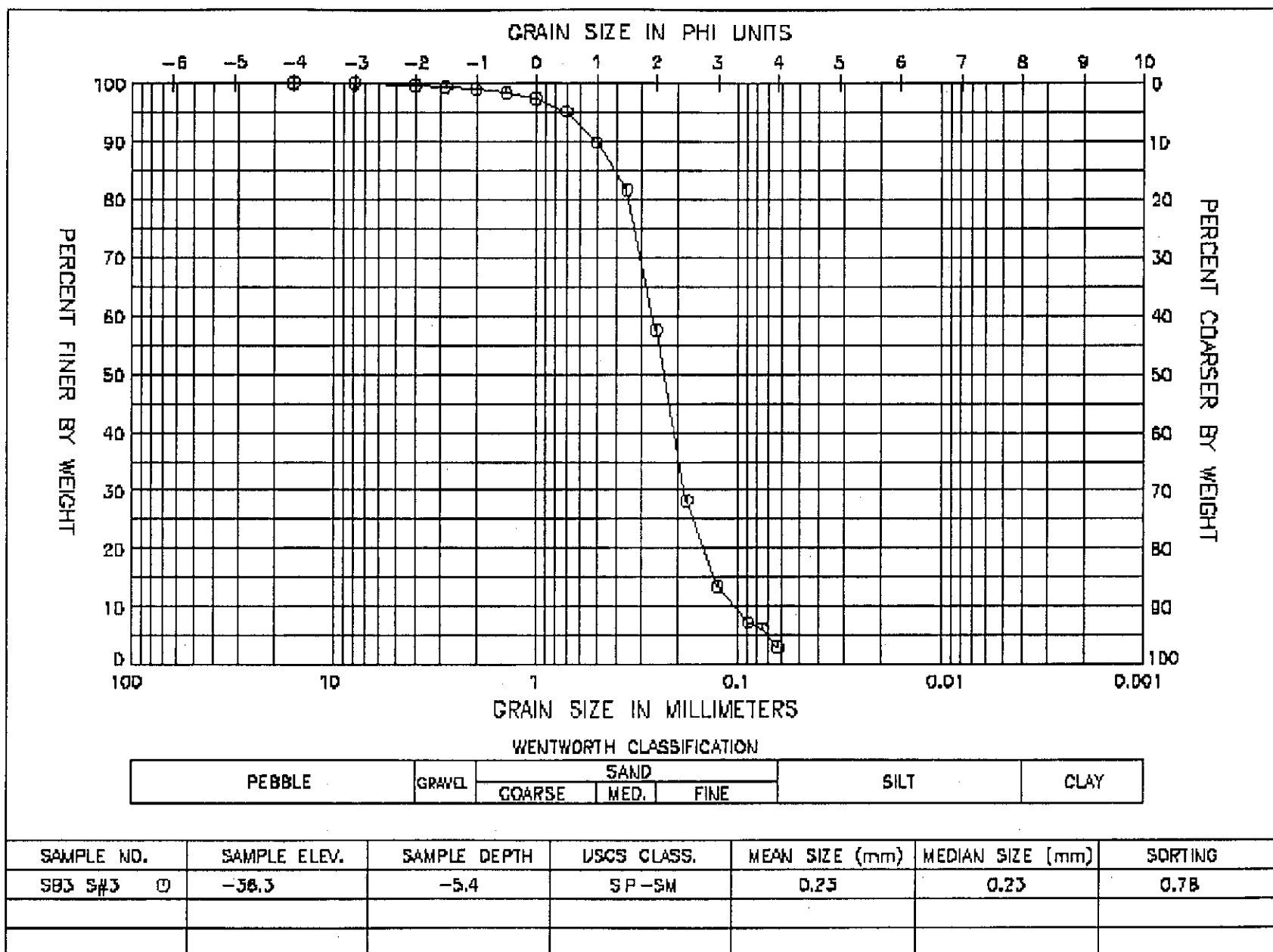
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

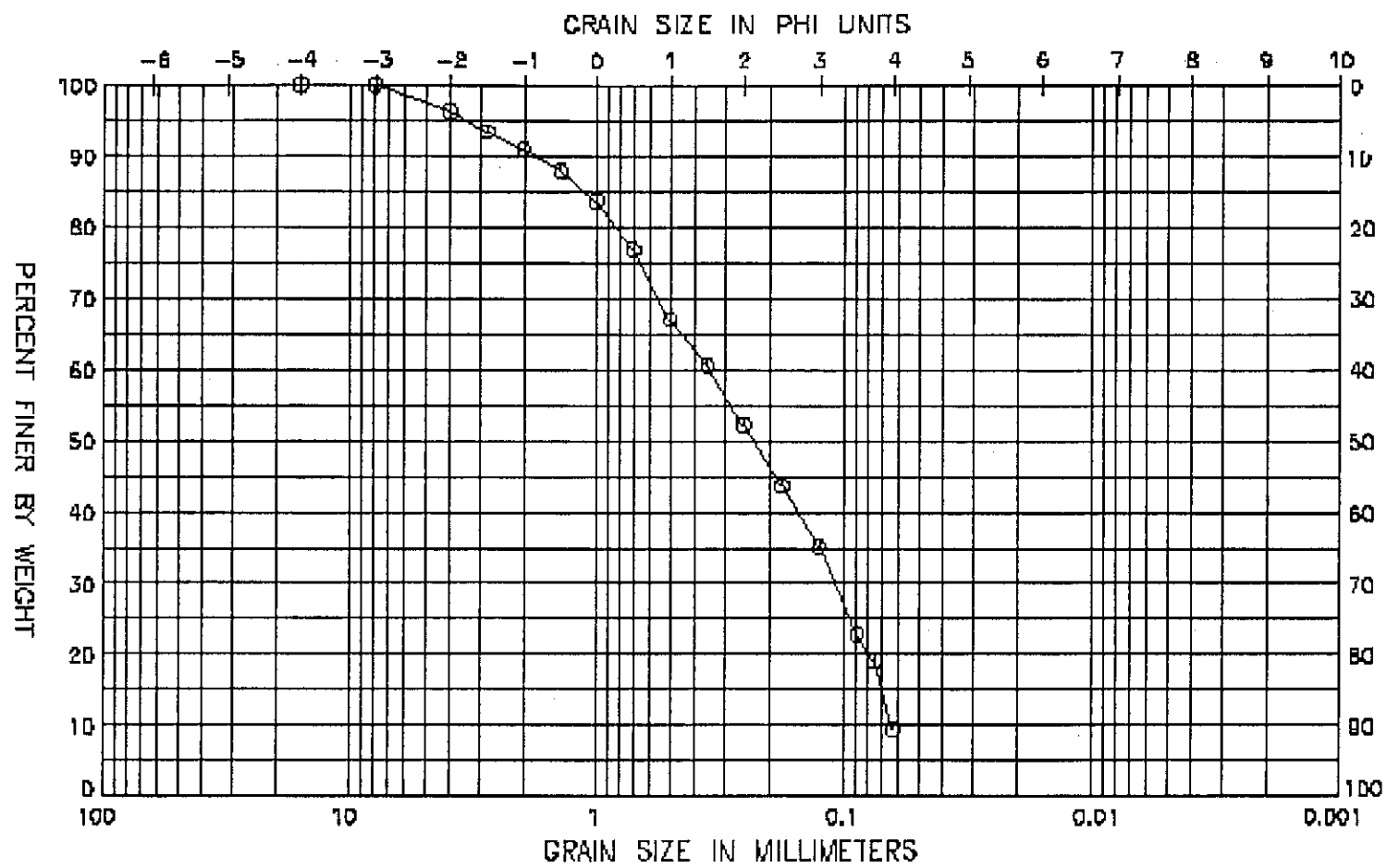
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB3 S#2 0	-35.7	-4.8	SP	0.48	0.40	1.03

GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

GRAIN SIZE DISTRIBUTION CURVE  
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PERCENT COARSER BY WEIGHT



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB3 S#4 ①	-37.9	-7.0	SM	0.52	0.23	1.94

GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994