

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

SAMPLE NO.: SB10 S#1
SAMPLE ELEV. (FT. NGVD): -34.5
SAMPLE DEPTH (FT.): -2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 189.50
SAMPLE WEIGHT AFTER WASH (GRAMS): 182.60

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	1.10	.58	99.42
7	-1.5	2.800	2.10	1.11	98.89
10	-1.0	2.000	3.60	1.90	98.10
14	-0.5	1.400	6.30	3.32	96.68
18	0.0	1.000	9.90	5.22	94.78
25	0.5	.710	21.30	11.24	88.76
35	1.0	.500	50.90	26.86	73.14
45	1.5	.355	88.90	46.91	53.09
60	2.0	.250	143.30	75.62	24.38
80	2.5	.180	168.60	88.97	11.03
120	3.0	.125	177.60	93.72	6.28
170	3.5	.090	181.20	95.62	4.38
200	3.75	.075	182.20	96.15	3.85
230	4.0	.063	185.90	98.10	1.90
PAN			189.45	99.97	.03

PHI(5): -.06 PHI(16): .65 PHI(25): .94
PHI(50): 1.55 PHI(75): 1.99 PHI(84): 2.31
PHI(95): 3.34

SIEVE LOSS(g): .05 MEAN (PHI): 1.56
MEDIAN (mm): .341 MEAN (mm): .339
SILT/CLAY: 3.85% SORTING: .831
SKEWNESS: .170 KURTOSIS: 1.327

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB10S1.TAB

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SAMPLE NO.: SB10 S#2
SAMPLE ELEV. (FT. NGVD): -36.6
SAMPLE DEPTH (FT.): -4.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 139.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 132.10

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	1.80	1.29	98.71
7	-1.5	2.800	2.60	1.87	98.13
10	-1.0	2.000	3.50	2.52	97.48
14	-0.5	1.400	4.50	3.24	96.76
18	0.0	1.000	5.75	4.14	95.86
25	0.5	.710	9.20	6.62	93.38
35	1.0	.500	17.80	12.81	87.19
45	1.5	.355	32.80	23.60	76.40
60	2.0	.250	67.15	48.31	51.69
80	2.5	.180	98.70	71.01	28.99
120	3.0	.125	119.10	85.68	14.32
170	3.5	.090	129.60	93.24	6.76
200	3.75	.075	131.70	94.75	5.25
230	4.0	.063	135.45	97.45	2.55
PAN			139.00	100.00	.00

PHI(5):	.17	PHI(16):	1.15	PHI(25):	1.53
PHI(50):	2.04	PHI(75):	2.64	PHI(84):	2.94
PHI(95):	3.77				

SIEVE LOSS(g):	.00	MEAN (PHI):	2.02
MEDIAN (mm):	.244	MEAN (mm):	.247
SILT/CLAY:	5.25%	SORTING:	.897
SKEWNESS:	-.127	KURTOSIS:	1.332

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB10S2.TAB

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

SAMPLE NO.: SB10 S#3
SAMPLE ELEV. (FT. NGVD): -37.8
SAMPLE DEPTH (FT.): -5.8
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 135.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 118.30

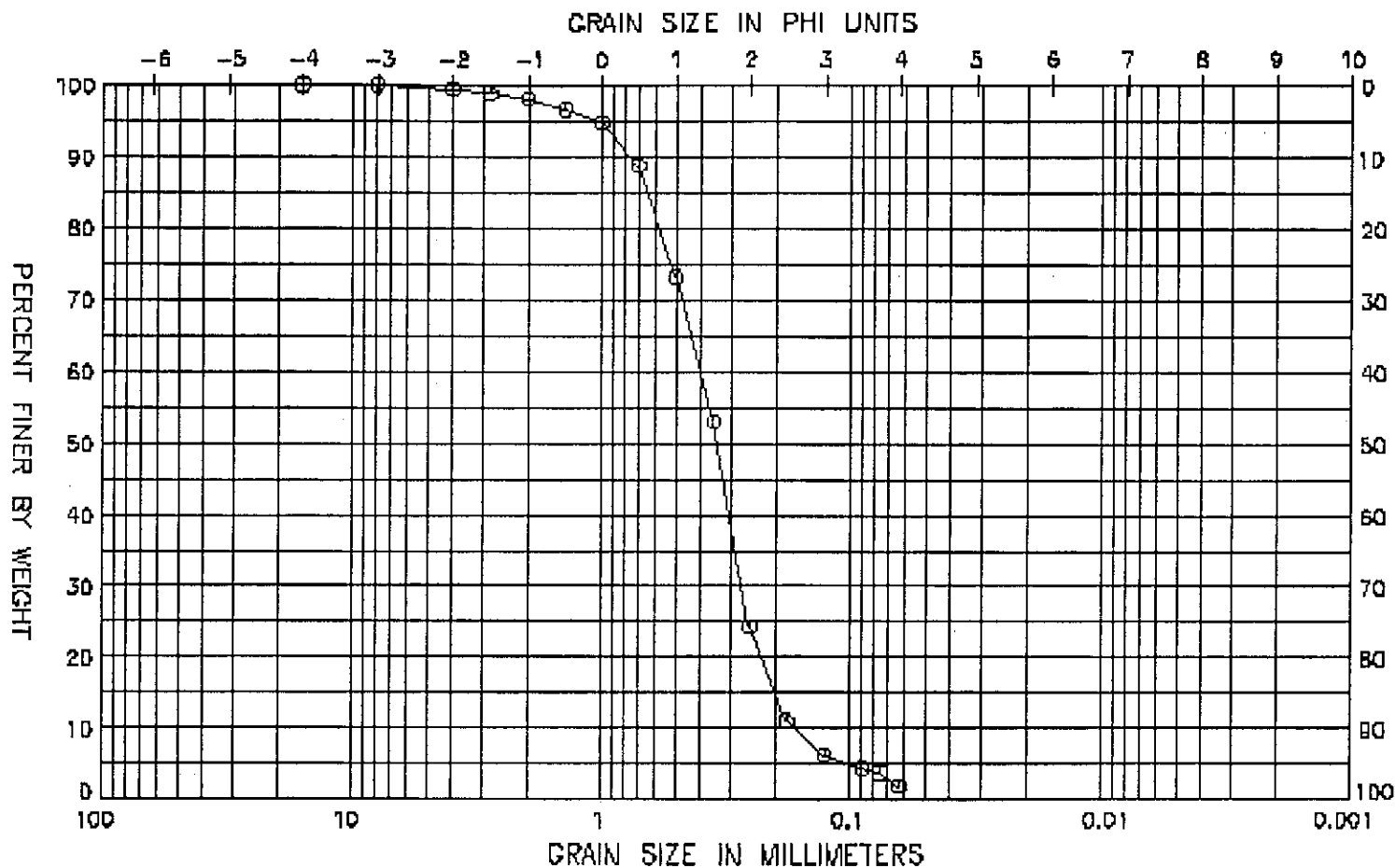
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.10	.07	99.93
7	-1.5	2.800	.30	.22	99.78
10	-1.0	2.000	.50	.37	99.63
14	-0.5	1.400	1.20	.88	99.12
18	0.0	1.000	2.30	1.69	98.31
25	0.5	.710	3.20	2.36	97.64
35	1.0	.500	6.40	4.71	95.29
45	1.5	.355	10.80	7.95	92.05
60	2.0	.250	21.10	15.54	84.46
80	2.5	.180	37.70	27.76	72.24
120	3.0	.125	72.10	53.09	46.91
170	3.5	.090	108.60	79.97	20.03
200	3.75	.075	116.20	85.57	14.43
230	4.0	.063	126.55	93.19	6.81
PAN			135.70	99.93	.07

PHI(5): 1.04 PHI(16): 2.02 PHI(25): 2.39
PHI(50): 2.94 PHI(75): 3.41 PHI(84): 3.68
PHI(95): 4.06

SIEVE LOSS(g): .10 MEAN (PHI): 2.75
MEDIAN (mm): .130 MEAN (mm): .149
SILT/CLAY: 14.43% SORTING: .831
SKEWNESS: -.774 KURTOSIS: 1.211

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB10S3.TAB

PERCENT COARSER BY WEIGHT



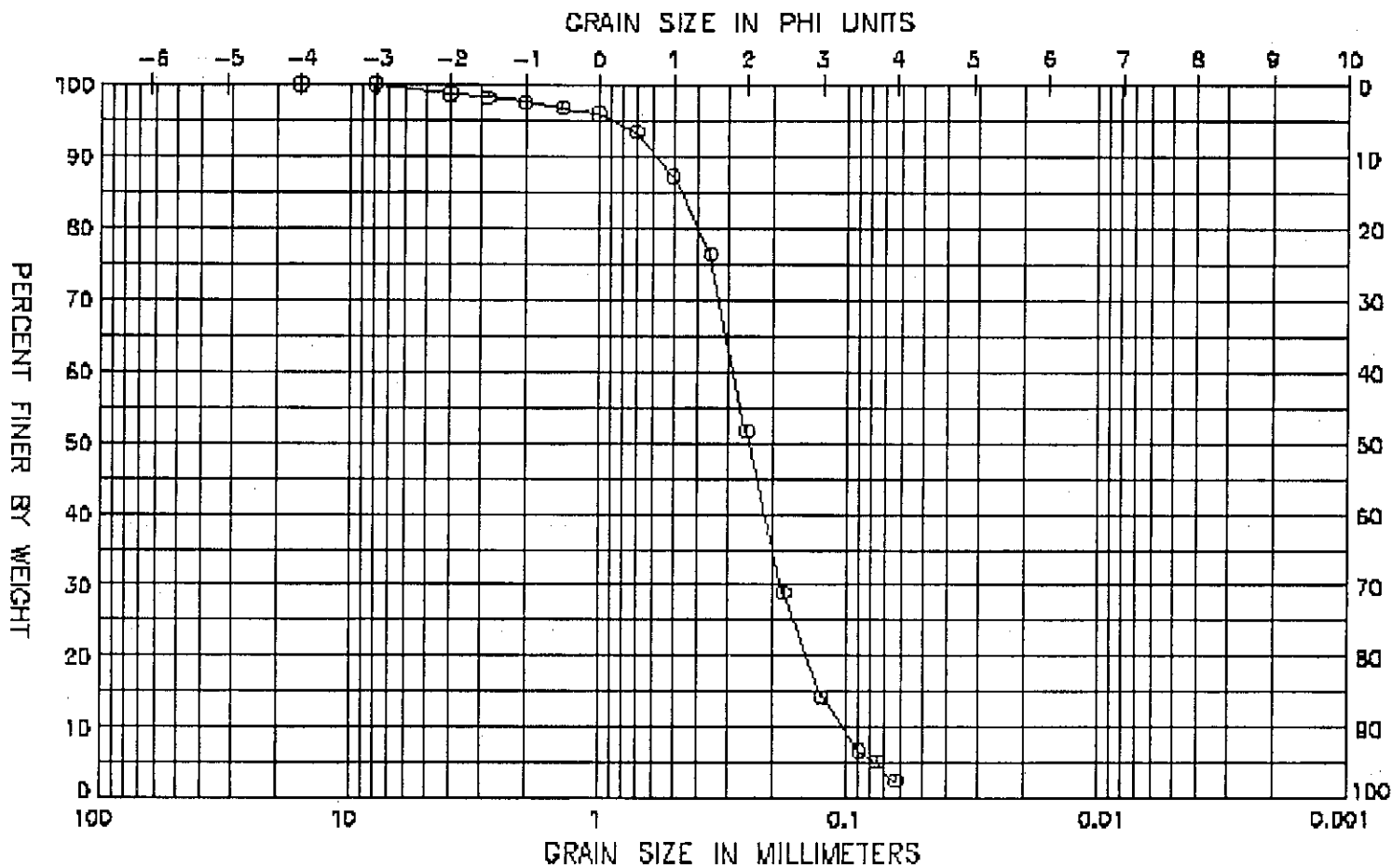
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB1D S#1 0	-34.5	-2.5	SP	0.34	0.34	0.63

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

PERCENT COARSER BY WEIGHT



WENTWORTH CLASSIFICATION

PEBBLE	GRWL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB1D 5#2 0	-38.8	-4.8	SP-SM	0.25	0.24	0.90

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

GRAIN SIZE IN PHI UNITS

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

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#5	-37.8	-5.8	SM	0.15	0.13	0.83

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB1D S#3 ①	-37.8	-5.8	SM	0.15	0.13	0.83