

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

SAMPLE NO.: SB1 S#1
SAMPLE ELEV. (FT. NGVD): -33.1
SAMPLE DEPTH (FT.): -1.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 175.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 170.80

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	6.00	3.42	96.58
7	-1.5	2.800	8.60	4.91	95.09
10	-1.0	2.000	13.15	7.50	92.50
14	-0.5	1.400	20.30	11.58	88.42
18	0.0	1.000	30.60	17.46	82.54
25	0.5	.710	53.20	30.35	69.65
35	1.0	.500	95.10	54.25	45.75
45	1.5	.355	126.80	72.33	27.67
60	2.0	.250	156.90	89.50	10.50
80	2.5	.180	167.40	95.49	4.51
120	3.0	.125	169.60	96.75	3.25
170	3.5	.090	170.40	97.20	2.80
200	3.75	.075	170.60	97.32	2.68
230	4.0	.063	172.95	98.66	1.34
PAN			175.25	99.97	.03

PHI(5): -1.48 PHI(16): -.12 PHI(25): .29
PHI(50): .91 PHI(75): 1.58 PHI(84): 1.84
PHI(95): 2.46

SIEVE LOSS(g): .05 MEAN (PHI): .72
MEDIAN (mm): .532 MEAN (mm): .607
SILT/CLAY: 2.68% SORTING: .982
SKEWNESS: -.845 KURTOSIS: 1.257

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB1-S1.TAB

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SAMPLE NO.: SB1 S#2
SAMPLE ELEV. (FT. NGVD): -35.9
SAMPLE DEPTH (FT.): -4.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 166.40
SAMPLE WEIGHT AFTER WASH (GRAMS): 157.40

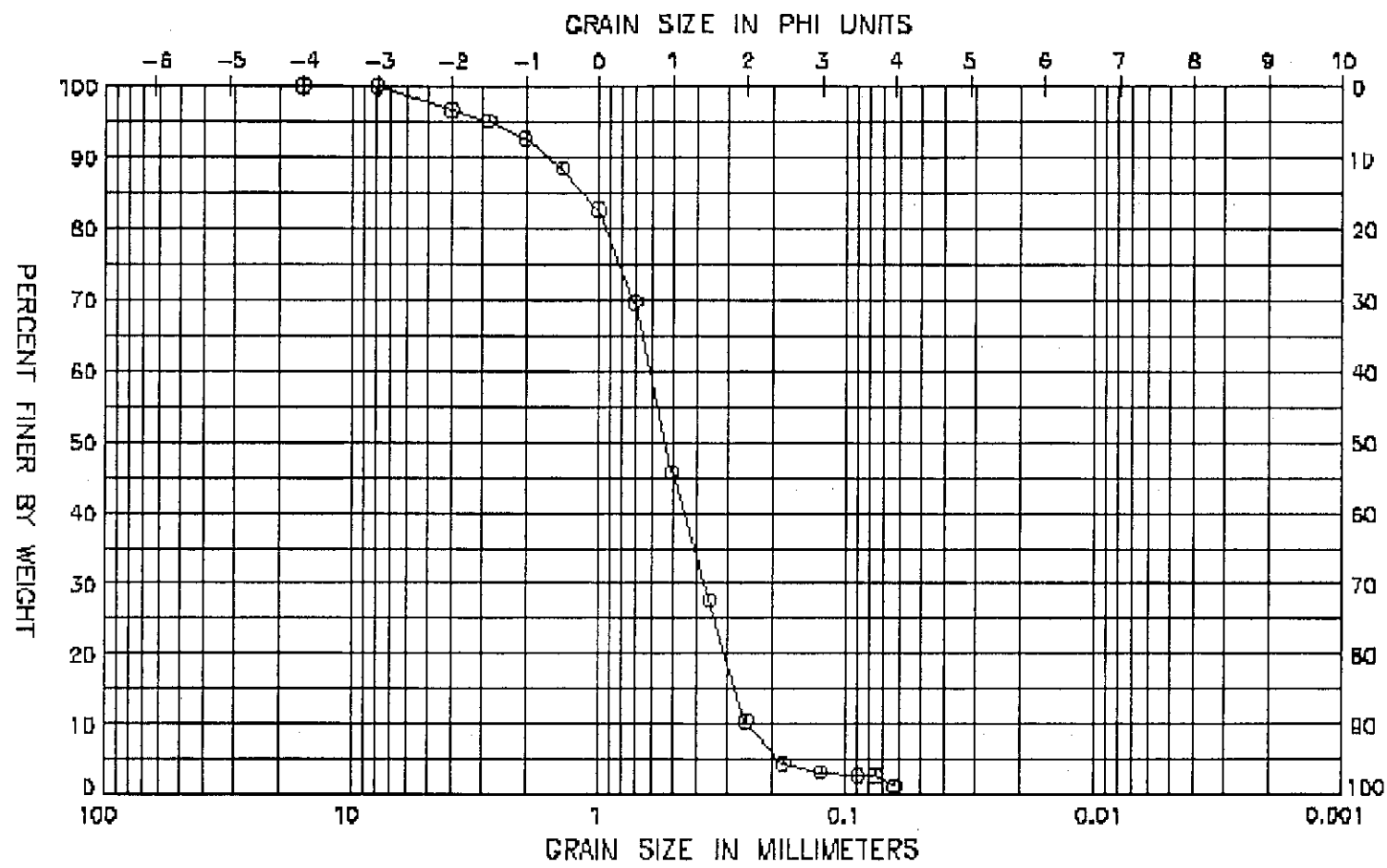
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	5.20	3.13	96.88
7	-1.5	2.800	6.00	3.61	96.39
10	-1.0	2.000	7.00	4.21	95.79
14	-0.5	1.400	8.20	4.93	95.07
18	0.0	1.000	9.90	5.95	94.05
25	0.5	.710	13.10	7.87	92.13
35	1.0	.500	21.30	12.80	87.20
45	1.5	.355	34.30	20.61	79.39
60	2.0	.250	78.00	46.88	53.13
80	2.5	.180	123.40	74.16	25.84
120	3.0	.125	146.70	88.16	11.84
170	3.5	.090	155.40	93.39	6.61
200	3.75	.075	156.90	94.29	5.71
230	4.0	.063	161.70	97.18	2.82
PAN			166.30	99.94	.06

PHI(5): -.46	PHI(16): 1.20	PHI(25): 1.58
PHI(50): 2.06	PHI(75): 2.53	PHI(84): 2.85
PHI(95): 3.81		

SIEVE LOSS(g): .10	MEAN (PHI): 1.89
MEDIAN (mm): .240	MEAN (mm): .269
SILT/CLAY: 5.71%	SORTING: .823
SKEWNESS: -.768	KURTOSIS: 1.852

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB1-S2.TAB

PERCENT COARSER BY WEIGHT



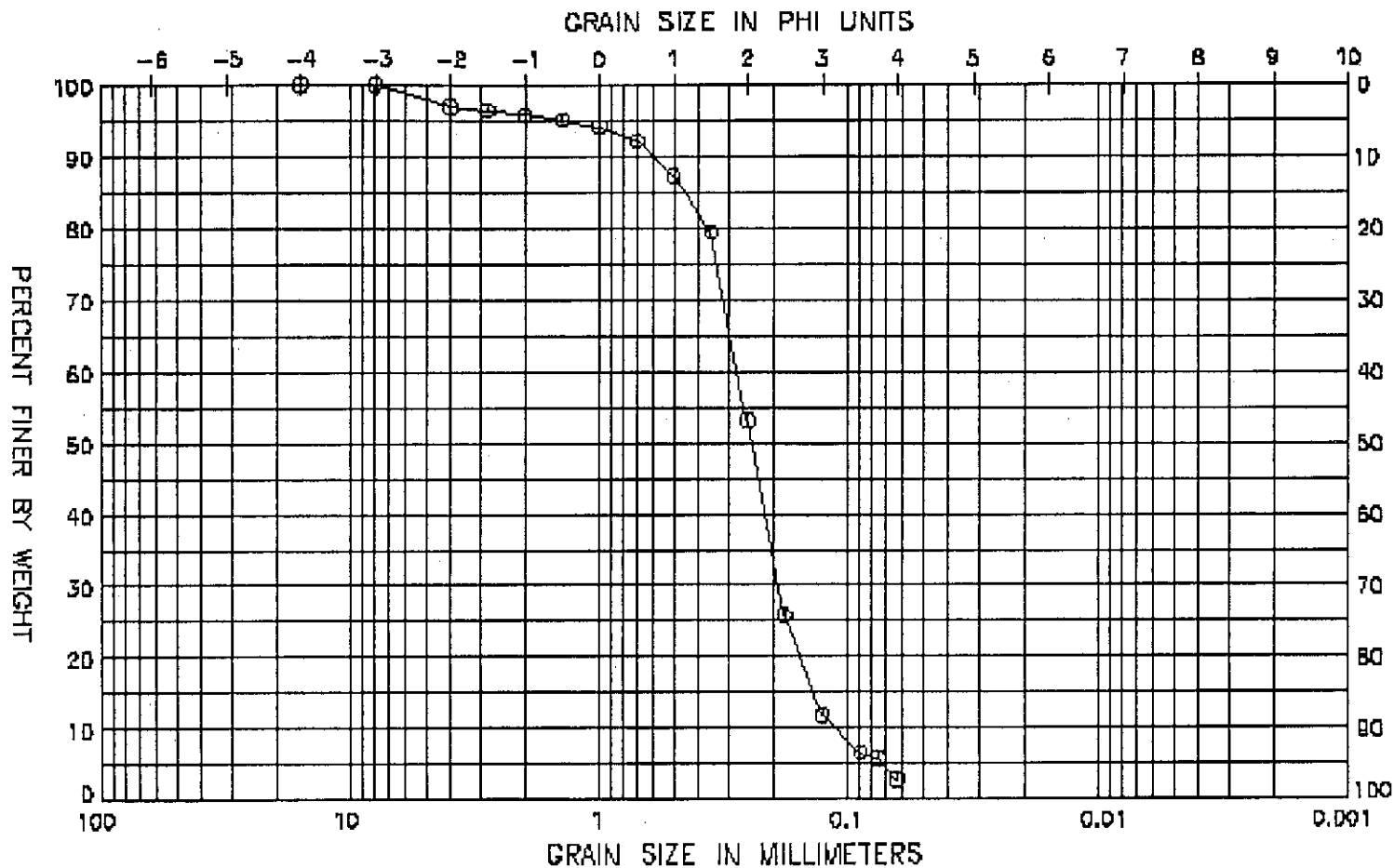
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB1 S#1 ①	-33.1	-1.7	SP	0.81	0.53	0.98

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
SB1 S#2 0	-35.9	-4.5	SP-SM	0.27	0.24	0.82

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994