

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

SAMPLE NO.: SB21 S#1
SAMPLE ELEV. (FT. NGVD): -32.1
SAMPLE DEPTH (FT.): -1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.30

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	1.60	.78	99.22
7	-1.5	2.800	2.90	1.42	98.58
10	-1.0	2.000	4.60	2.26	97.74
14	-0.5	1.400	8.25	4.05	95.95
18	0.0	1.000	15.20	7.45	92.55
25	0.5	.710	33.00	16.18	83.82
35	1.0	.500	79.20	38.84	61.16
45	1.5	.355	129.50	63.51	36.49
60	2.0	.250	180.40	88.47	11.53
80	2.5	.180	197.40	96.81	3.19
120	3.0	.125	199.30	97.74	2.26
170	3.5	.090	199.90	98.04	1.96
200	3.75	.075	200.10	98.14	1.86
230	4.0	.063	201.95	99.04	.96
PAN			203.80	99.95	.05

PHI(5): -.36 PHI(16): .49 PHI(25): .69
PHI(50): 1.23 PHI(75): 1.73 PHI(84): 1.91
PHI(95): 2.39

SIEVE LOSS(g): .10 MEAN (PHI): 1.13
MEDIAN (mm): .427 MEAN (mm): .456
SILT/CLAY: 1.86% SORTING: .710
SKEWNESS: -.421 KURTOSIS: 1.089

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB21-S1.TAB

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SAMPLE NO.: SB21 S#2
SAMPLE ELEV. (FT. NGVD): -35.1
SAMPLE DEPTH (FT.): -4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 192.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 185.20

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	3.90	2.02	97.98
7	-1.5	2.800	5.00	2.59	97.41
10	-1.0	2.000	6.50	3.37	96.63
14	-0.5	1.400	8.70	4.51	95.49
18	0.0	1.000	11.70	6.07	93.93
25	0.5	.710	19.40	10.06	89.94
35	1.0	.500	41.20	21.36	78.64
45	1.5	.355	73.00	37.84	62.16
60	2.0	.250	136.80	70.92	29.08
80	2.5	.180	174.40	90.41	9.59
120	3.0	.125	181.60	94.14	5.86
170	3.5	.090	184.30	95.54	4.46
200	3.75	.075	185.00	95.90	4.10
230	4.0	.063	188.95	97.95	2.05
PAN			192.85	99.97	.03

PHI(5): -.34 PHI(16): .76 PHI(25): 1.11
PHI(50): 1.68 PHI(75): 2.10 PHI(84): 2.34
PHI(95): 3.31

SIEVE LOSS(g): .05 MEAN (PHI): 1.55
MEDIAN (mm): .311 MEAN (mm): .342
SILT/CLAY: 4.10% SORTING: .786
SKEWNESS: -.404 KURTOSIS: 1.504

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB21-S2.TAB

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

SAMPLE NO.: SB21 S#3
SAMPLE ELEV. (FT. NGVD): -37.1
SAMPLE DEPTH (FT.): -6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 207.10
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.70

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	5.50	2.66	97.34
7	-1.5	2.800	8.00	3.86	96.14
10	-1.0	2.000	11.05	5.34	94.66
14	-0.5	1.400	15.00	7.24	92.76
18	0.0	1.000	19.40	9.37	90.63
25	0.5	.710	26.00	12.55	87.45
35	1.0	.500	34.00	16.42	83.58
45	1.5	.355	40.60	19.60	80.40
60	2.0	.250	57.70	27.86	72.14
80	2.5	.180	93.60	45.20	54.80
120	3.0	.125	139.30	67.26	32.74
170	3.5	.090	171.30	82.71	17.29
200	3.75	.075	179.00	86.43	13.57
230	4.0	.063	193.60	93.48	6.52
PAN			207.10	100.00	.00

PHI(5): -1.11 PHI(16): .95 PHI(25): 1.83
PHI(50): 2.61 PHI(75): 3.25 PHI(84): 3.59
PHI(95): 4.05

SIEVE LOSS(g): .00 MEAN (PHI): 2.02
MEDIAN (mm): .164 MEAN (mm): .247
SILT/CLAY: 13.57% SORTING: 1.320
SKEWNESS: -2.278 KURTOSIS: 1.488

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB21-S3.TAB

GRADATION ANALYSIS REPORT
CAPTIVA/SANIBEL VIBRACORE JAN. 1994
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SAMPLE NO.: SB21 S#4
SAMPLE ELEV. (FT. NGVD): 36.1
SAMPLE DEPTH (FT.): 5.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 158.20
SAMPLE WEIGHT AFTER WASH (GRAMS): 151.50

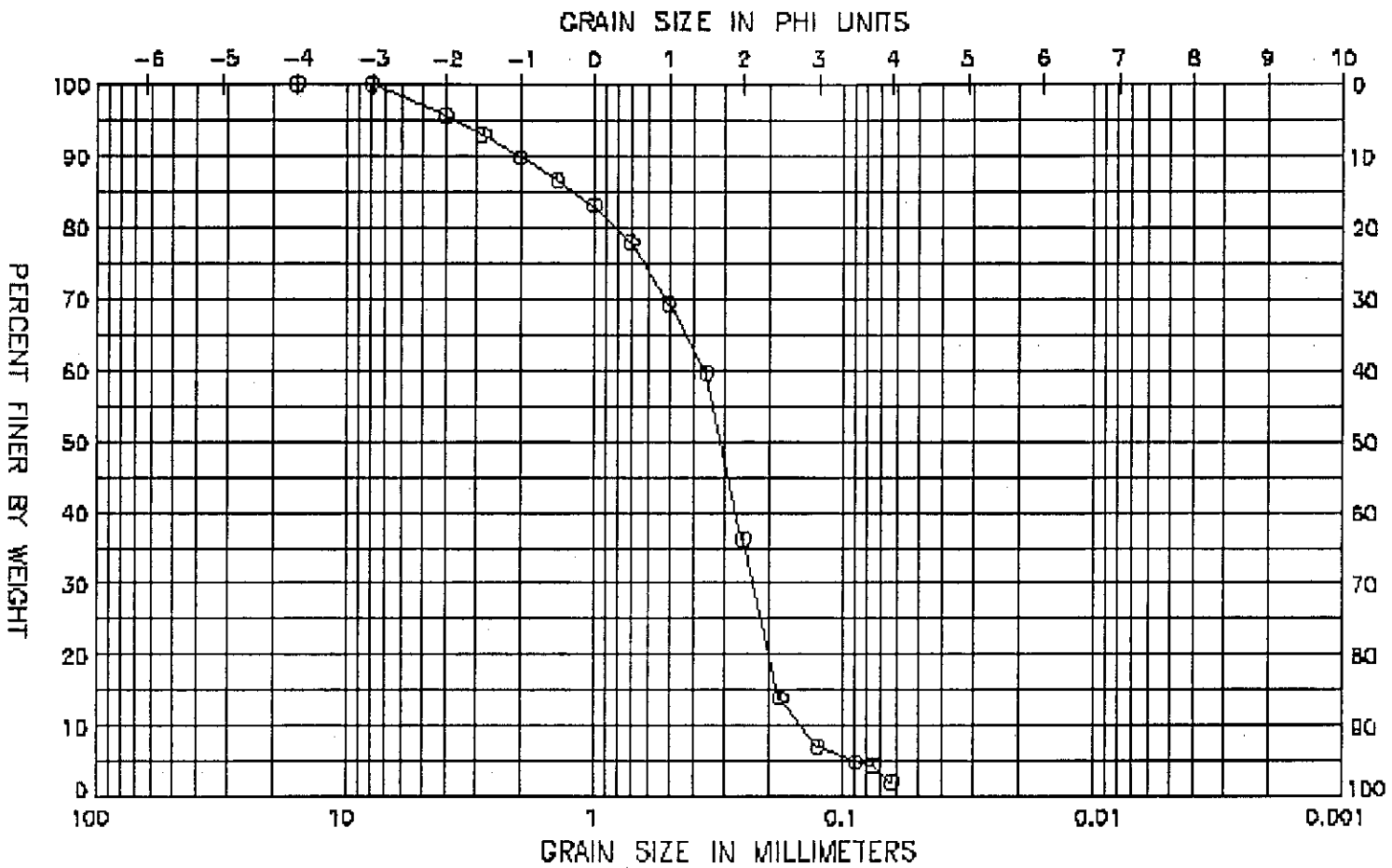
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	7.00	4.42	95.58
7	-1.5	2.800	11.10	7.02	92.98
10	-1.0	2.000	16.10	10.18	89.82
14	-0.5	1.400	21.30	13.46	86.54
18	0.0	1.000	26.80	16.94	83.06
25	0.5	.710	34.90	22.06	77.94
35	1.0	.500	48.60	30.72	69.28
45	1.5	.355	63.90	40.39	59.61
60	2.0	.250	100.90	63.78	36.22
80	2.5	.180	136.20	86.09	13.91
120	3.0	.125	146.80	92.79	7.21
170	3.5	.090	150.30	95.01	4.99
200	3.75	.075	151.05	95.48	4.52
230	4.0	.063	154.70	97.79	2.21
PAN			158.20	100.00	.00

PHI(5): -1.89 PHI(16): -.14 PHI(25): .67
PHI(50): 1.71 PHI(75): 2.25 PHI(84): 2.45
PHI(95): 3.50

SIEVE LOSS(g): .00 MEAN (PHI): 1.13
MEDIAN (mm): .307 MEAN (mm): .458
SILT/CLAY: 4.52% SORTING: 1.294
SKEWNESS: -1.801 KURTOSIS: 1.396

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: A:SB21-S4.TAB

PERCENT COARSER BY WEIGHT



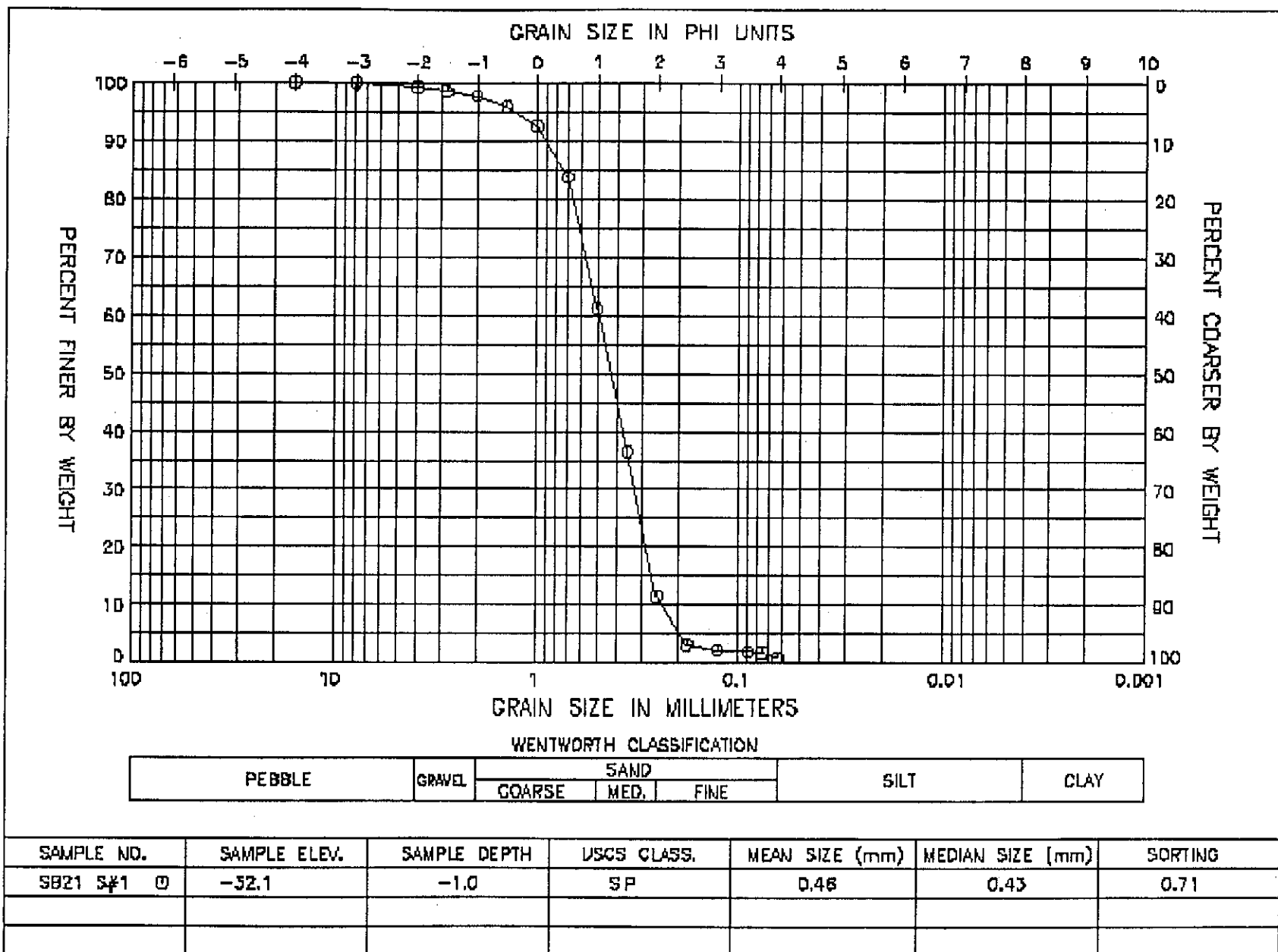
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB21 S#4 ①	38.1	5.0	SP	0.46	0.31	1.29

GRAIN SIZE DISTRIBUTION CURVE
CAPTIVA/SANIBEL VIBRACORE JAN. 1994

GRAIN SIZE DISTRIBUTION CURVE
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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
SB21 S#2 O	-35.1	-4.0	SP	0.34	0.31	0.79

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB21 S#2 @	-35.1	-4.0	SP	0.34	0.31	0.79

GRAIN SIZE DISTRIBUTION CURVE
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