

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

SAMPLE NO.: SB7 S#1  
SAMPLE ELEV. (FT. NGVD): -36.0  
SAMPLE DEPTH (FT.): -1.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 191.90  
SAMPLE WEIGHT AFTER WASH (GRAMS): 186.00

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	.40	.21	99.79
7	-1.5	2.800	1.30	.68	99.32
10	-1.0	2.000	2.70	1.41	98.59
14	-0.5	1.400	5.10	2.66	97.34
18	0.0	1.000	8.60	4.48	95.52
25	0.5	.710	17.30	9.02	90.98
35	1.0	.500	44.10	22.98	77.02
45	1.5	.355	85.50	44.55	55.45
60	2.0	.250	151.70	79.05	20.95
80	2.5	.180	180.30	93.96	6.04
120	3.0	.125	184.00	95.88	4.12
170	3.5	.090	185.40	96.61	3.39
200	3.75	.075	185.70	96.77	3.23
230	4.0	.063	188.75	98.36	1.64
PAN			191.80	99.95	.05

PHI(5): .06          PHI(16): .75          PHI(25): 1.05  
PHI(50): 1.58        PHI(75): 1.94        PHI(84): 2.17  
PHI(95): 2.77

SIEVE LOSS(g): .10                      MEAN (PHI): 1.46  
MEDIAN (mm): .335                      MEAN (mm): .362  
SILT/CLAY: 3.23%                      SORTING: .708  
SKEWNESS: -.330                      KURTOSIS: 1.243

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB7-S1.TAB

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TESTED BY: MDA            ON: 02-04-94

SAMPLE NO.: SB7 S#2  
SAMPLE ELEV. (FT. NGVD): -38.0  
SAMPLE DEPTH (FT.): -3.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SM

DRY SAMPLE WEIGHT (GRAMS): 209.20  
SAMPLE WEIGHT AFTER WASH (GRAMS): 162.40

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	2.15	1.03	98.97
7	-1.5	2.800	4.10	1.96	98.04
10	-1.0	2.000	6.60	3.15	96.85
14	-0.5	1.400	9.80	4.68	95.32
18	0.0	1.000	14.20	6.79	93.21
25	0.5	.710	20.90	9.99	90.01
35	1.0	.500	27.00	12.91	87.09
45	1.5	.355	31.40	15.01	84.99
60	2.0	.250	43.50	20.79	79.21
80	2.5	.180	67.80	32.41	67.59
120	3.0	.125	99.90	47.75	52.25
170	3.5	.090	144.80	69.22	30.78
200	3.75	.075	159.10	76.05	23.95
230	4.0	.063	185.30	88.58	11.42
PAN			209.10	99.95	.05

PHI(5): -.43	PHI(16): 1.59	PHI(25): 2.18
PHI(50): 3.05	PHI(75): 3.71	PHI(84): 3.91
PHI(95): 4.13		

SIEVE LOSS(g): .10	MEAN (PHI): 2.45
MEDIAN (mm): .121	MEAN (mm): .183
SILT/CLAY: 23.95%	SORTING: 1.162
SKEWNESS: -2.401	KURTOSIS: 1.219

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: A:SB7-S2.TAB

GRAIN SIZE IN PHI UNITS

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

GRAIN SIZE IN MILLIMETERS

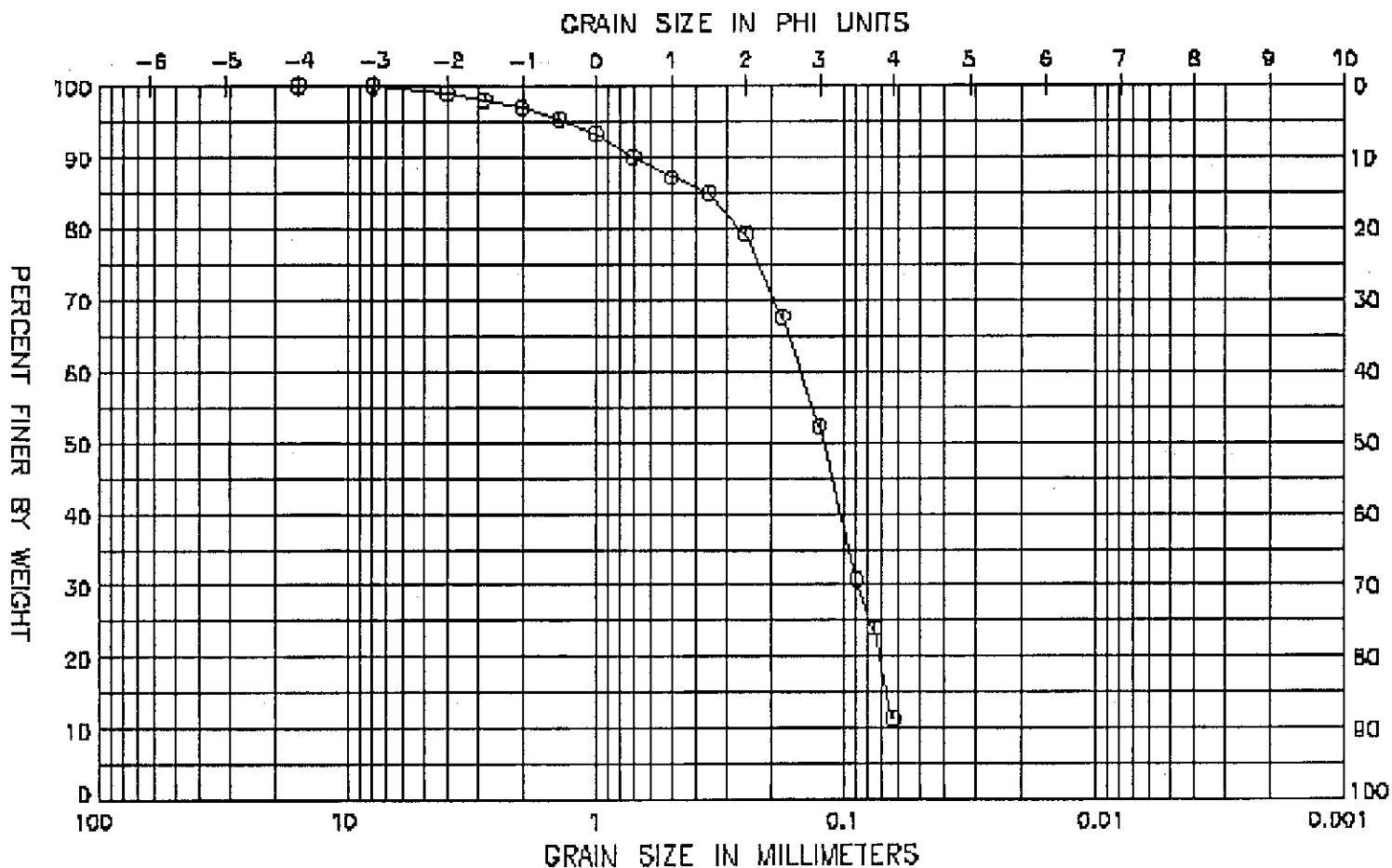
WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND			SILT	CLAY
		COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB7 S#1	0	-36.0	SP	0.36	0.33	0.71

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
SB7 S#1 O	-36.0	-1.0	SP	0.56	0.33	0.71

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
SB7 S#2 0	-38.0	-3.0	SM	0.18	0.12	1.18

GRAIN SIZE DISTRIBUTION CURVE  
CAPTIVA/SANIBEL VIBRACORE JAN. 1994