

Wicomico County, Maryland  
Table J1b.--Physical Properties of the Soils

Print date: 08/28/2002

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth In	Sand Pct	Silt Pct	Clay Pct	Moist bulk density g/cc	Permea- bility (Ksat) In/hr	Available water capacity In/in	Linear extensi- bility Pct	Organic matter Pct	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
Ba: Bayboro-----	0-14 14-64	---	---	10-35 35-60	1.30-1.50 1.20-1.40	0.6-2 0.06-0.2	0.15-0.20 0.14-0.18	0.0-2.9 3.0-5.9	4.0-10 ---	.17 .32	.17 .32	5	6	48
Bb: Bayboro-----	0-14 14-64	---	---	10-35 35-60	1.30-1.50 1.20-1.40	0.6-2 0.06-0.2	0.15-0.20 0.14-0.18	0.0-2.9 3.0-5.9	4.0-10 ---	.17 .32	.17 .32	5	6	48
Be: Beaches-----	0-6 6-60	---	---	0-1 0-1	1.35-1.85 1.35-1.85	6-20 6-20	0.03-0.05 0.03-0.05	0.0-2.9 0.0-2.9	0.0-0.1 0.0-0.1	.05 .05	---	5	1	310
Bo: Borrow Pits-----	0-6 6-60	---	---	0-1 0-1	---	6-20 6-20	0.01-0.02 0.01-0.02	0.0-2.9 0.0-2.9	0.0-0.1 ---	.02 .02	---	---	8	0
DoA: Downer-----	0-18 18-30 30-40 40-60	---	---	3-8 6-18 3-5 3-25	1.20-1.60 1.45-1.65 1.40-1.75 1.40-1.75	6-20 2-6 6-20 0.6-20	0.06-0.08 0.08-0.13 0.02-0.08 0.02-0.16	0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9	0.5-2.0 0.0-0.5 0.0-0.5 0.0-0.5	.20 .32 .17 .20	.20 .32 .20 .20	4	2	134
DoB2: Downer-----	0-18 18-30 30-40 40-60	---	---	3-8 6-18 3-5 3-25	1.20-1.60 1.45-1.65 1.40-1.75 1.40-1.75	6-20 2-6 6-20 0.6-20	0.06-0.08 0.08-0.13 0.02-0.08 0.02-0.16	0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9	0.5-2.0 0.0-0.5 0.0-0.5 0.0-0.5	.20 .32 .17 .20	.20 .32 .20 .20	4	2	134
DoC: Downer-----	0-18 18-30 30-40 40-60	---	---	3-8 6-18 3-5 3-25	1.20-1.60 1.45-1.65 1.40-1.75 1.40-1.75	6-20 2-6 6-20 0.6-20	0.06-0.08 0.08-0.13 0.02-0.08 0.02-0.16	0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9	0.5-2.0 0.0-0.5 0.0-0.5 0.0-0.5	.20 .32 .17 .20	.20 .32 .20 .20	4	2	134
Ea: Elkton-----	0-10 10-24 24-40 40-65	---	---	11-25 27-35 27-45 15-20	1.20-1.50 1.35-1.55 1.35-1.55 1.45-1.65	0.6-2 0.06-0.2 0.0015-0.06 0.2-0.6	0.18-0.24 0.14-0.20 0.12-0.19 0.10-0.15	0.0-2.9 3.0-5.9 3.0-5.9 0.0-2.9	1.0-4.0 0.0-0.5 0.0-0.5 0.0-0.5	.43 .37 .32 .32	.43 .37 .32 .32	5	5	56

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Ek:														
Elkton-----	0-10	---	---	11-20	1.25-1.55	0.6-2	0.10-0.15	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	10-24	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	24-40	---	---	27-45	1.35-1.55	0.0015-0.06	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	40-65	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
Em:														
Elkton-----	0-10	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	10-24	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	24-40	---	---	27-45	1.35-1.55	0.0015-0.06	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	40-65	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
En:														
Elkton-----	0-10	---	---	27-35	1.25-1.55	0.6-2	0.14-0.24	0.0-2.9	1.0-4.0	.37	.37	5	7	38
	10-24	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	24-40	---	---	27-45	1.35-1.55	0.0015-0.06	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	40-65	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
EoD:														
Evesboro-----	0-16	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
EpB:														
Evesboro-----	0-40	---	---	0-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	40-60	---	---	35-60	1.50-1.70	0.06-0.2	0.16-0.20	3.0-5.9	---	.37	.37			
ErD:														
Evesboro-----	0-16	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
EsB:														
Evesboro-----	0-40	---	---	0-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	40-60	---	---	35-60	1.50-1.70	0.06-0.2	0.16-0.20	3.0-5.9	---	.37	.37			
EtF:														
Evesboro-----	0-16	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
EvD:														
Evesboro-----	0-16	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
Galestown-----	0-11	---	---	4-7	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.20	5	1	220
	11-40	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
EwB:														
Evesboro-----	0-40	---	---	0-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	40-60	---	---	35-60	1.50-1.70	0.06-0.2	0.16-0.20	3.0-5.9	---	.37	.37			
Galestown-----	0-11	---	---	4-7	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.20	5	1	220
	11-40	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
EyC:														
Evesboro-----	0-16	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
Galestown-----	0-11	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	11-40	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
Downer-----	0-18	---	---	3-8	1.20-1.60	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.20	.20	4	2	134
	18-30	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	30-40	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	40-60	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Fa:														
Fallsington-----	0-10	---	---	5-18	1.00-1.45	0.6-6	0.15-0.20	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	10-32	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Fg:														
Fallsington-----	0-10	---	---	5-18	1.00-1.45	0.6-2	0.18-0.24	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	10-32	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Fs:														
Fallsington-----	0-10	---	---	5-18	1.00-1.45	0.6-6	0.15-0.20	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	10-32	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
GaD:														
Galestown-----	0-11	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	11-40	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
GcB: Galestown-----	0-11	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	11-40	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
KeA: Keyport-----	0-10	---	---	10-25	1.20-1.60	0.2-2	0.16-0.22	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	10-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
	60-72	---	---	5-50	1.35-1.75	0.0015-20	0.07-0.20	0.0-2.9	0.0-0.5	.28	.28			
KeB: Keyport-----	0-10	---	---	10-25	1.20-1.60	0.2-2	0.16-0.22	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	10-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
	60-72	---	---	5-50	1.35-1.75	0.0015-20	0.07-0.20	0.0-2.9	0.0-0.5	.28	.28			
KsA: Klej-----	0-9	---	---	2-10	1.30-1.60	6-20	0.06-0.11	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	9-39	---	---	2-10	1.30-1.60	6-20	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
	39-47	---	---	2-10	1.50-1.75	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
	47-60	---	---	10-27	1.40-1.55	0.0015-2	0.11-0.17	0.0-2.9	0.0-0.5	.24	.24			
KsB: Klej-----	0-9	---	---	2-10	1.30-1.60	6-20	0.06-0.11	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	9-39	---	---	2-10	1.30-1.60	6-20	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
	39-47	---	---	2-10	1.50-1.75	6-20	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
	47-60	---	---	10-27	1.40-1.55	0.0015-2	0.11-0.17	0.0-2.9	0.0-0.5	.24	.24			
Le: Leon-----	0-3	---	---	1-5	1.30-1.45	6-20	0.05-0.15	0.0-2.9	0.5-4.0	.10	.10	5	1	180
	3-15	---	---	0-3	1.40-1.60	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.10	.10			
	15-30	---	---	2-8	1.25-1.65	0.6-6	0.15-0.30	0.0-2.9	2.0-4.0	.15	.15			
	30-80	---	---	1-4	1.50-1.65	2-20	0.05-0.10	0.0-2.9	0.0-0.5	.10	---			
Ma: Made Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
MdA: Matapeake-----	0-16	---	---	5-15	1.00-1.55	0.6-2	0.13-0.20	0.0-2.9	1.0-2.0	.37	.37	5	3	86
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MdB2: Matapeake-----	0-16	---	---	5-15	1.00-1.55	0.6-2	0.13-0.20	0.0-2.9	1.0-2.0	.37	.37	5	3	86
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MeA:														
Matapeake-----	0-16	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MeB2:														
Matapeake-----	0-16	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MeC:														
Matapeake-----	0-16	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MfA:														
Matawan-----	0-20	---	---	5-20	---	0.6-6	0.10-0.18	0.0-2.9	---	.32	.32	5	---	86
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MfB:														
Matawan-----	0-20	---	---	5-20	---	0.6-6	0.10-0.18	0.0-2.9	---	.32	.32	5	---	86
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MmA:														
Matawan-----	0-20	---	---	2-10	---	0.6-6	0.06-0.09	0.0-2.9	1.0-4.0	.32	.32	5	---	134
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MmB:														
Matawan-----	0-20	---	---	2-10	---	0.6-6	0.06-0.09	0.0-2.9	1.0-4.0	.32	.32	5	---	134
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MmC:														
Matawan-----	0-20	---	---	2-10	---	0.6-6	0.06-0.09	0.0-2.9	1.0-4.0	.32	.32	5	---	134
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MmE:														
Matawan-----	0-20	---	---	2-10	---	0.6-6	0.06-0.09	0.0-2.9	1.0-4.0	.32	.32	5	---	134
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MnA:														
Matawan-----	0-20	---	---	5-20	---	0.6-6	0.10-0.18	0.0-2.9	---	.32	.32	5	---	86
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MnB:														
Matawan-----	0-20	---	---	5-20	---	0.6-6	0.10-0.18	0.0-2.9	---	.32	.32	5	---	86
	20-38	---	---	15-30	---	0.0015-0.6	0.14-0.20	0.0-2.9	---	.28	.28			
	38-60	---	---	5-30	---	0.0015-20	0.06-0.20	0.0-2.9	---	.28	.28			
MpA:														
Mattapex-----	0-15	---	---	10-18	1.10-1.40	0.6-2	0.14-0.22	0.0-2.9	0.5-3.0	.37	.37	5	5	56
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
MpB:														
Mattapex-----	0-15	---	---	10-18	1.10-1.40	0.6-2	0.14-0.22	0.0-2.9	0.5-3.0	.37	.37	5	5	56
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
MtA:														
Mattapex-----	0-15	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
MtB:														
Mattapex-----	0-15	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
Mu:														
Muck-----	0-39	---	---	0-0	0.30-0.65	6-20	0.30-0.40	---	20-95	.05	---	2	2	134
	39-60	---	---	0-10	1.10-1.70	2-20	0.04-0.08	0.0-2.9	0.5-1.0	.17	.20			
Mv:														
Mixed Alluvial Land-	0-6	---	---	10-20	1.00-1.40	0.6-2	0.12-0.17	0.0-2.9	1.0-4.0	.37	.37	5	---	48
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	---	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
NoA: Norfolk-----	0-14	---	---	2-8	1.55-1.70	6-20	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	14-38	---	---	18-35	1.30-1.65	0.6-2	0.10-0.18	0.0-2.9	---	.24	.24			
	38-70	---	---	20-43	1.20-1.65	0.6-2	0.12-0.18	0.0-2.9	---	.24	.24			
	70-99	---	---	---	---	---	---	---	---	---	---			
NoB: Norfolk-----	0-14	---	---	2-8	1.55-1.70	6-20	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	14-38	---	---	18-35	1.30-1.65	0.6-2	0.10-0.18	0.0-2.9	---	.24	.24			
	38-70	---	---	20-43	1.20-1.65	0.6-2	0.12-0.18	0.0-2.9	---	.24	.24			
	70-99	---	---	---	---	---	---	---	---	---	---			
NoC: Norfolk-----	0-14	---	---	2-8	1.55-1.70	6-20	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	14-38	---	---	18-35	1.30-1.65	0.6-2	0.10-0.18	0.0-2.9	---	.24	.24			
	38-70	---	---	20-43	1.20-1.65	0.6-2	0.12-0.18	0.0-2.9	---	.24	.24			
	70-99	---	---	---	---	---	---	---	---	---	---			
NsD: Norfolk-----	0-14	---	---	2-8	1.55-1.70	6-20	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	14-38	---	---	18-35	1.30-1.65	0.6-2	0.10-0.18	0.0-2.9	---	.24	.24			
	38-70	---	---	20-43	1.20-1.65	0.6-2	0.12-0.18	0.0-2.9	---	.24	.24			
	70-99	---	---	---	---	---	---	---	---	---	---			
Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
NsE: Norfolk-----	0-9	---	---	2-8	1.20-1.55	0.6-6	0.06-0.10	0.0-2.9	1.0-2.0	.28	.28	5	2	134
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Ot: Othello-----	0-9	---	---	15-28	1.20-1.50	0.6-2	0.16-0.24	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	9-29	---	---	18-30	1.40-1.70	0.2-0.6	0.12-0.24	0.0-2.9	0.0-0.5	.43	.43			
	29-50	---	---	12-27	1.65-1.80	0.2-2	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	50-72	---	---	4-10	1.65-1.80	2-6	0.06-0.10	0.0-2.9	0.0-0.5	.15	.15			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Ow: Othello-----	0-9	---	---	15-28	1.20-1.50	0.6-2	0.16-0.24	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	9-29	---	---	18-30	1.40-1.70	0.2-0.6	0.12-0.24	0.0-2.9	0.0-0.5	.43	.43			
	29-50	---	---	12-27	1.65-1.80	0.2-2	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	50-72	---	---	4-10	1.65-1.80	2-6	0.06-0.10	0.0-2.9	0.0-0.5	.15	.15			
Pe: Plummer-----	0-50	---	---	1-10	1.35-1.65	2-20	0.03-0.10	0.0-2.9	1.0-3.0	.10	.10	5	2	134
	50-72	---	---	15-30	1.50-1.70	0.2-2	0.07-0.15	0.0-2.9	---	.15	.15			
Pk: Pocomoke-----	0-10	---	---	7-18	1.20-1.40	0.6-6	0.10-0.20	0.0-2.9	2.0-10	.20	.20	5	3	86
	10-28	---	---	5-18	1.50-1.65	0.6-2	0.10-0.15	0.0-2.9	---	.20	.20			
	28-40	---	---	5-10	1.55-1.70	2-6	0.06-0.10	0.0-2.9	---	.10	.10			
	40-60	---	---	5-30	1.45-1.75	0.6-6	0.06-0.18	0.0-2.9	---	.20	.20			
Po: Pocomoke-----	0-10	---	---	7-18	1.20-1.40	0.6-6	0.10-0.20	0.0-2.9	2.0-10	.20	.20	5	3	86
	10-28	---	---	5-18	1.50-1.65	0.6-2	0.10-0.15	0.0-2.9	---	.20	.20			
	28-40	---	---	5-10	1.55-1.70	2-6	0.06-0.10	0.0-2.9	---	.10	.10			
	40-60	---	---	5-30	1.45-1.75	0.6-6	0.06-0.18	0.0-2.9	---	.20	.20			
Pr: Portsmouth-----	0-19	---	---	5-25	1.30-1.40	0.6-6	0.12-0.18	0.0-2.9	3.0-8.0	.24	.24	4	3	86
	19-35	---	---	20-35	1.45-1.55	0.6-2	0.14-0.20	0.0-2.9	---	.28	.28			
	35-38	---	---	8-18	1.40-1.60	2-6	0.06-0.10	0.0-2.9	---	.17	.17			
	38-72	---	---	2-10	1.40-1.65	6-20	0.02-0.05	0.0-2.9	---	.17	.17			
Pt: Portsmouth-----	0-19	---	---	5-25	1.30-1.40	0.6-6	0.12-0.18	0.0-2.9	3.0-8.0	.24	.24	4	3	86
	19-35	---	---	20-35	1.45-1.55	0.6-2	0.14-0.20	0.0-2.9	---	.28	.28			
	35-38	---	---	8-18	1.40-1.60	2-6	0.06-0.10	0.0-2.9	---	.17	.17			
	38-72	---	---	2-10	1.40-1.65	6-20	0.02-0.05	0.0-2.9	---	.17	.17			
Ru: Rutlege-----	0-18	---	---	2-10	1.30-1.50	6-20	0.10-0.15	0.0-2.9	3.0-9.0	.17	.17	5	8	0
	18-60	---	---	2-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.5-3.0	.17	.17			
SaA: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaB: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
SsA: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SsB2: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SsC2: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
St: St. Johns-----	0-14	---	---	1-4	1.30-1.50	6-20	0.10-0.15	0.0-2.9	2.0-4.0	.10	.10	5	1	180
	14-22	---	---	1-3	1.50-1.70	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
	22-42	---	---	2-6	1.50-1.60	0.2-2	0.10-0.30	0.0-2.9	1.0-4.0	.15	.15			
	42-72	---	---	1-4	1.50-1.65	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
Su: St. Johns-----	0-14	---	---	1-4	1.30-1.50	6-20	0.10-0.15	0.0-2.9	2.0-4.0	.10	.10	5	1	180
	14-22	---	---	1-3	1.50-1.70	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
	22-42	---	---	2-6	1.50-1.60	0.2-2	0.10-0.30	0.0-2.9	1.0-4.0	.15	.15			
	42-72	---	---	1-4	1.50-1.65	6-20	0.03-0.08	0.0-2.9	0.0-0.5	.10	.10			
Sw: Swamp-----	0-39	---	---	0-0	0.30-0.65	6-20	0.30-0.40	---	20-95	.05	---	2	2	134
	39-60	---	---	0-10	1.10-1.70	2-20	0.04-0.08	0.0-2.9	0.5-1.0	.17	.20			
Tm: Tidal Marsh-----	0-16	---	---	0-0	0.10-0.60	0.6-2	0.22-0.26	0.0-2.9	20-65	---	---	---	8	0
	16-41	---	---	0-0	0.10-1.00	0.6-2	0.22-0.26	0.0-2.9	---	---	---			
	41-63	---	---	5-40	1.20-1.50	0.6-2	0.08-0.20	0.0-2.9	---	.17	.17			
	63-80	---	---	---	---	0.0015-20	---	---	---	---	---			
WfA: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
WfB: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
WoA: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-2	0.10-0.21	0.0-2.9	1.0-2.0	.32	.32	5	5	56
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
WsA: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
WsB: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			

