Kent County, Maryland
Print date: 08/20/2002

Table J1b.--Physical Properties of the Soils

(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	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Ax:														
Axis	0-20	---	---	15-25	1.20-1.40	0.6-2	0.08-0.15	0.0-2.9	4.0-8.0	.37	.37	5	---	0
	20-40	---	---	8-15	1.30-1.50	0.6-2	0.08-0.15	0.0-2.9	---	.10	.10			
	40-80	---	---	8-25	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	---	.10	.10			
Be:														
Beaches	0-6	---	---	0-1	1.35-1.85	6-20	0.03-0.05	0.0-2.9	0.0-0.1	.05	---	5	1	310
	6-60	---	---	0-1	1.35-1.85	6-20	0.03-0.05	0.0-2.9	0.0-0.1	.05	---			
Bs:														
Bibb	0-9	---	---	2-18	1.40-1.65	0.6-2	0.15-0.20	0.0-2.9	1.0-3.0	.28	.28	5	5	56
	9-60	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			
Bt:														
Bibb Variant	0-28	---	---	27-40	0.10-1.00	0.06-0.2	0.20-0.25	0.0-2.9	10-15	.20	.20	5	8	0
	28-79	---	---	35-60	0.50-1.10	0.06-0.2	0.16-0.22	6.0-8.9	2.0-8.0	.32	.32			
	79-80	---	---	---	---	---	---	---	---	---	---			
BuA:														
Butlertown	0-10	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	10-31	---	---	18-28	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	31-65	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	65-75	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			
Mattapex	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	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			
BuB2:														
Butlertown	0-10	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	10-31	---	---	18-28	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	31-65	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	65-75	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			
Mattapex	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	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			

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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
BuC2:														
Butlertown----------	0-10	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	10-31	---	---	18-28	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	31-65	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	65-75	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			
Mattapex----------	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	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			
CeB2:														
Colts Neck----------	0-9	---	---	5-20	1.20-1.60	0.6-2	0.14-0.22	0.0-2.9	1.0-4.0	.28	.28	4	3	86
	9-36	---	---	10-30	1.30-1.65	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.65	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CeC2:														
Colts Neck----------	0-9	---	---	5-20	1.20-1.60	0.6-2	0.14-0.22	0.0-2.9	1.0-4.0	.28	.28	4	3	86
	9-36	---	---	10-30	1.30-1.65	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.65	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CgC2:														
Colts Neck----------	0-9	---	---	10-30	1.10-1.60	0.6-2	0.08-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-36	---	---	10-30	1.30-1.45	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.45	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CgC3:														
Colts Neck----------	0-9	---	---	10-30	1.10-1.60	0.6-2	0.08-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-36	---	---	10-30	1.30-1.45	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.45	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CgD2:														
Colts Neck----------	0-9	---	---	10-30	1.10-1.60	0.6-2	0.08-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-36	---	---	10-30	1.30-1.45	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.45	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CgD3:														
Colts Neck----------	0-9	---	---	10-30	1.10-1.60	0.6-2	0.08-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-36	---	---	10-30	1.30-1.45	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.45	2-20	0.10-0.18	0.0-2.9	---	.20	.24			
CnE:														
Colts Neck----------	0-9	---	---	10-30	1.10-1.60	0.6-2	0.08-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-36	---	---	10-30	1.30-1.45	0.6-2	0.10-0.20	0.0-2.9	---	.32	.32			
	36-52	---	---	3-15	1.30-1.45	2-20	0.10-0.18	0.0-2.9	---	.20	.24			

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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Sassafras----------	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	5	---	86
	20-38	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	38-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
Em:														
Elkton----------	0-20	---	---	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
	20-69	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	69-80	---	---	27-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
Elkton----------	0-20	---	---	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
	20-69	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	69-80	---	---	27-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
Fa:														
Fallsington---------	0-15	---	---	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
	15-33	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Fallsington---------	0-15	---	---	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
	15-33	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Fh:														
Fallsington---------	0-15	---	---	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
	15-33	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Fallsington---------	0-15	---	---	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
	15-33	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
FmB:														
Fort Mott----------	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-49	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	49-65	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
FmC2:														
Fort Mott----------	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-49	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	49-65	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
GaB:														
Galestown----------	0-35	---	---	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
	35-60	---	---	4-10	1.50-1.70	6-20	0.04-0.08	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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
GaD:														
Galestown----------	0-35	---	---	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
	35-60	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
GaE:														
Galestown----------	0-35	---	---	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
	35-60	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
Ih:														
Ipswich----------	0-47	---	---	0-0	0.10-0.30	0.6-20	0.18-0.35	---	---	---	---	3	---	---
	47-55	---	---	0-0	0.10-0.30	0.6-20	0.18-0.35	---	---	---	---			
	55-79	---	---	0-0	0.10-0.30	0.6-20	0.18-0.35	---	---	---	---			
Ik:														
Iuka----------	0-50	---	---	6-15	1.30-1.60	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.37	.37	5	---	48
	50-60	---	---	8-18	1.30-1.60	0.6-2	0.10-0.20	0.0-2.9	---	.28	.28			
	60-70	---	---	5-15	1.30-1.60	0.6-2	0.10-0.20	0.0-2.9	---	.20	.20			
KmA:														
Keyport----------	0-18	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	18-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
KmB2:														
Keyport----------	0-18	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	18-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
KpA:														
Keyport----------	0-18	---	---	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
	18-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
KpB2:														
Keyport----------	0-18	---	---	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
	18-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
KpC2:														
Keyport----------	0-18	---	---	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
	18-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
Ks:														
Kingsland----------	0-80	---	---	0-0	0.25-0.50	6-20	0.45-0.50	0.0-2.9	40-99	---	---	3	5	56
MfB:														
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	36-70	---	---	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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MnA:														
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	36-70	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MnB:														
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	36-70	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MnC2:														
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	36-70	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MnC3:														
Matapeake----------	0-14	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	4	5	56
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	0.0-0.5	.43	.43			
	36-70	---	---	2-20	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
MnD2:														
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	36-70	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MpA:														
Mattapex----------	0-11	---	---	10-18	1.10-1.45	0.6-2	0.13-0.20	0.0-2.9	0.5-3.0	.37	.37	5	3	86
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MpB:														
Mattapex----------	0-11	---	---	10-18	1.10-1.45	0.6-2	0.13-0.20	0.0-2.9	0.5-3.0	.37	.37	5	3	86
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MtA:														
Mattapex----------	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MtB:														
Mattapex----------	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MtC2:														
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			
MwD:														
Mattapex----------	0-11	---	---	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
	11-35	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	35-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
Woodstown----------	0-10	---	---	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
	10-38	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	38-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
MxA:														
Mattapex----------	0-11	---	---	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
	11-38	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	38-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	0.0-0.5	.43	.43			
	36-70	---	---	2-20	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Butlertown----------	0-10	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	10-31	---	---	18-28	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	31-65	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	65-75	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			
MxB:														
Mattapex----------	0-11	---	---	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
	11-38	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	38-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
Matapeake----------	0-14	---	---	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
	14-36	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	0.0-0.5	.43	.43			
	36-70	---	---	2-20	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Butlertown----------	0-10	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	10-31	---	---	18-28	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	31-65	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	65-75	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			

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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MzA:														
Mattapex Variant----	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			
MzB:														
Mattapex Variant----	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			
Oh:														
Othello----------	0-8	---	---	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
	8-40	---	---	18-30	1.40-1.70	0.2-0.6	0.12-0.24	0.0-2.9	0.0-0.5	.43	.43			
	40-71	---	---	12-27	1.65-1.80	0.2-2	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
Pt:														
Pits----------	0-6	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	0.0-0.1	.02	---	--	8	0
	6-60	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	---	.02	---			
SaA:														
Sassafras----------	0-20	---	---	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
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	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----------	0-20	---	---	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
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaC2:														
Sassafras----------	0-20	---	---	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
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaD2:														
Sassafras----------	0-20	---	---	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
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaD3:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
SfA:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	5	5	56
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SfB:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	5	5	56
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SfC2:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	5	5	56
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SfC3:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	4	5	56
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SfD3:														
Sassafras----------	0-20	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	4	5	56
	20-38	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	38-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SgB:														
Sassafras----------	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	5	---	86
	20-38	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	38-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
SgC2:														
Sassafras----------	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	5	---	86
	20-38	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	38-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
SgC3:														
Sassafras----------	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	4	3	86
	20-38	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	38-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
SgD3:														
Sassafras----------	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	4	3	86
	20-38	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	38-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
W:														
Water----------	---	---	---	---	---	---	---	---	---	---	---	--	---	---

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 Kw	Kf	T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
We:														
Westbrook----------	0-43	---	---	0-0	0.10-0.70	0.6-20	0.18-0.36	0.0-2.9	20-90	---	---	2	---	---
	43-55	---	---	0-0	0.20-0.80	0.6-20	0.18-0.36	0.0-2.9	---	---	---			
	55-79	---	---	2-35	1.25-1.50	0.0015-2	0.10-0.26	0.0-2.9	---	.64	.64			
WoA:														
Woodstown----------	0-10	---	---	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
	10-38	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	38-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
WoB:														
Woodstown----------	0-10	---	---	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
	10-38	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	38-60	---	---	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----------	0-10	---	---	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
	10-38	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	38-60	---	---	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----------	0-10	---	---	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
	10-38	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	38-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			