

Table J1b. - Physical Properties of the Soils

Middlesex County, Virginia

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	Permeability (Ksat)	Available Water Capacity	Linear Extensibility	Organic Matter	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
1:														
Ackwater	0-6	---	---	8-15	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.43	.43	2	3	86
	6-23	---	---	25-40	1.30-1.40	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	23-60	---	---	35-60	1.30-1.50	0.06-0.2	0.12-0.16	6.0-8.9	0.0-0.5	.32	.32			
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bethera	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2B:														
Bama	0-12	---	---	7-22	1.30-1.60	0.6-6	0.08-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	12-32	---	---	18-32	1.40-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			
	32-60	---	---	20-35	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3:														
Bethera	0-6	---	---	10-20	1.20-1.40	0.6-2	0.11-0.16	0.0-2.9	1.0-6.0	.28	.28	5	5	56
	6-34	---	---	35-50	1.30-1.50	0.001-0.6	0.14-0.18	3.0-5.9	0.5-1.0	.32	.32			
	34-60	---	---	20-50	1.30-1.50	0.001-2	0.12-0.16	3.0-5.9	0.5-1.0	.32	.32			
Daleville	0-9	---	---	10-20	1.40-1.50	0.6-2	0.18-0.20	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	9-60	---	---	20-35	1.40-1.50	0.001-0.6	0.16-0.20	3.0-5.9	0.0-1.0	.37	.37			

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
3:														
Ackwater	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4:														
Catpoint	0-11	---	---	0-10	1.30-1.50	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	11-57	---	---	0-10	1.45-1.65	6-20	0.02-0.10	0.0-2.9	0.0-0.5	.10	.10			
	57-72	---	---	0-10	1.45-1.65	6-20	0.01-0.08	0.0-2.9	0.0-0.5	.10	.15			
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5A:														
Craven	0-2	---	---	7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	2-28	---	---	33-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	28-66	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bethera	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
5A:														
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5B:														
Craven	0-2	---	---	7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	2-28	---	---	33-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	28-66	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bethera	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6A:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-31	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	31-59	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	59-66	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6B:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-31	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	31-59	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	59-66	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
6B:														
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7D:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-31	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	31-59	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	59-66	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Nevarc	0-14	---	---	10-25	1.20-1.30	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.37	.37	3	3	86
	14-51	---	---	33-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	51-64	---	---	10-40	1.30-1.50	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.20	.24			
Ackwater	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	
7F:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-31	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	31-59	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	59-66	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
7F:														
Nevarc	0-14	---	---	10-25	1.20-1.30	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.37	.37	3	3	86
	14-51	---	---	33-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	51-64	---	---	10-40	1.30-1.50	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.20	.24			
Ackwater	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8:														
Eunola	0-9	---	---	10-20	1.35-1.65	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	9-28	---	---	18-35	1.35-1.65	0.6-2	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
	28-41	---	---	10-35	1.30-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	41-60	---	---	2-11	1.45-1.75	6-20	0.02-0.06	0.0-2.9	0.0-0.5	.20	.20			
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9A:														
Kempsville	0-6	---	---	5-15	1.30-1.40	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	6-31	---	---	12-30	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.5-1.0	.24	.24			
	31-51	---	---	12-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	51-62	---	---	5-30	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
9A:														
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9B:														
Kempsville	0-6	---	---	5-15	1.30-1.40	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	6-31	---	---	12-30	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.5-1.0	.24	.24			
	31-51	---	---	12-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	51-62	---	---	5-30	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10:														
Kenansville	0-26	---	---	3-10	1.50-1.70	6-20	0.04-0.10	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	26-48	---	---	5-20	1.30-1.50	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.15	.15			
	48-60	---	---	1-10	1.50-1.70	6-20	0.00-0.05	0.0-2.9	0.0-0.5	.10	.10			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
11:														
Kinston	0-10	---	---	5-27	1.30-1.50	0.6-2	0.14-0.20	0.0-2.9	2.0-5.0	.37	.37	5	5	56
	10-50	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.3-3.0	.32	.32			
	50-60	---	---	10-35	1.30-1.50	0.6-2	---	0.0-2.9	0.0-0.5	.24	.24			
Bibb	0-32	---	---	2-18	1.50-1.70	0.6-2	0.12-0.18	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	32-40	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			
	40-60	---	---	2-18	1.45-1.75	0.6-6	0.05-0.15	0.0-2.9	0.0-1.0	.10	.10			
Ochlockonee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pocaty	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12:														
Lumbee	0-7	---	---	10-27	1.20-1.40	2-6	0.16-0.22	0.0-2.9	2.0-4.0	.32	.32	5	5	56
	7-27	---	---	18-35	1.30-1.45	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	27-60	---	---	1-10	1.60-1.70	6-20	0.03-0.06	0.0-2.9	0.0-0.2	.10	.10			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13:														
Myatt	0-11	---	---	10-25	1.30-1.60	0.6-2	0.16-0.24	0.0-2.9	0.5-4.0	.32	.32	5	5	56
	11-40	---	---	18-35	1.30-1.50	0.2-2	0.12-0.20	0.0-2.9	0.3-2.0	.28	.28			
	40-60	---	---	5-20	1.30-1.50	0.2-2	0.10-0.20	0.0-2.9	0.0-0.5	.24	.32			
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
13:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14:														
Nansemond	0-18	---	---	4-10	1.20-1.45	2-20	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	3	2	134
	18-28	---	---	10-18	1.25-1.45	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.17	.20			
	28-44	---	---	4-18	1.30-1.55	2-6	0.06-0.11	0.0-2.9	0.0-0.5	.15	.17			
	44-60	---	---	2-12	1.35-1.55	6-20	0.02-0.10	0.0-2.9	0.0-0.5	.15	.17			
Ackwater	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15:														
Ochlockonee	0-7	---	---	7-22	1.40-1.60	2-6	0.10-0.20	0.0-2.9	0.5-2.0	.24	.24	5	5	56
	7-34	---	---	8-18	1.40-1.60	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.20	.20			
	34-62	---	---	3-25	1.40-1.70	2-6	0.06-0.12	0.0-2.9	0.5-1.0	.17	.17			
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
16:														
Pactolus	0-32	---	---	2-12	1.60-1.75	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	32-80	---	---	2-12	1.60-1.75	6-20	0.03-0.07	0.0-2.9	0.0-0.5	.10	.10			
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17:														
Pocaty	0-6	---	---	---	0.05-0.20	2-6	0.15-0.20	0.0-2.9	20-60	---	---	---	8	0
	6-40	---	---	---	0.10-0.35	0.6-2	0.20-0.25	0.0-2.9	20-60	---	---	---		
	40-72	---	---	---	0.20-0.55	0.6-2	0.20-0.30	0.0-2.9	20-60	---	---	---		
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18A:														
Rumford	0-14	---	---	6-15	1.25-1.45	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.24	.24	4	3	86
	14-37	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	37-60	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
18A:														
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18B:														
Rumford	0-14	---	---	6-15	1.25-1.45	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.24	.24	4	3	86
	14-37	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	37-60	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19A:														
Slagle	0-9	---	---	10-27	1.25-1.40	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	9-24	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	24-38	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	38-60	---	---	10-45	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
19A:														
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19B:														
Slagle	0-9	---	---	10-27	1.25-1.40	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.37	.37	5	5	56
	9-24	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	24-38	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	38-60	---	---	10-45	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20A:														
Suffolk	0-12	---	---	6-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	12-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-62	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20B:														
Suffolk	0-12	---	---	6-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	12-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-62	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
20B:														
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21D:														
Suffolk	0-12	---	---	6-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	12-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-62	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Remlik	0-27	---	---	0-10	1.20-1.50	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	27-38	---	---	8-25	1.20-1.35	0.6-6	0.10-0.17	0.0-2.9	0.0-0.5	.20	.20			
	38-70	---	---	2-12	1.35-1.55	6-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.17			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochlockonee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21F:														
Suffolk	0-12	---	---	6-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	12-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-62	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Remlik	0-27	---	---	0-10	1.20-1.50	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	27-38	---	---	8-25	1.20-1.35	0.6-6	0.10-0.17	0.0-2.9	0.0-0.5	.20	.20			
	38-70	---	---	2-12	1.35-1.55	6-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.17			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Middlesex County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (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					
21F:														
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochlockonee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22B:														
Udorthents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Psamments	0-6	---	---	1-10	1.35-1.70	6-20	0.05-0.10	0.0-1.5	0.5-3.0	.10	.10	---	---	---
	6-60	---	---	1-10	1.60-1.70	6-20	0.05-0.07	0.0-1.5	0.0-0.5	.10	.10	---	---	---
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---