

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

King and Queen 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					
1A:														
Augusta	0-9	---	---	5-20	1.40-1.70	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	9-60	---	---	20-35	1.35-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	60-70	---	---	10-35	1.35-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-0.5	.24	.24			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2A:														
Bojac	0-10	---	---	3-8	1.20-1.50	6-20	0.05-0.10	0.0-2.9	0.5-1.0	.10	.10	4	2	134
	10-49	---	---	11-18	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.20			
	49-62	---	---	1-6	1.30-1.80	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.17	.28			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
2B:														
Bojac	0-10	---	---	3-8	1.20-1.50	6-20	0.05-0.10	0.0-2.9	0.5-1.0	.10	.10	4	2	134
	10-49	---	---	11-18	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.20			
	49-62	---	---	1-6	1.30-1.80	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.17	.28			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3A:														
Craven	0-6	---	---	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
	6-45	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	45-62	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
3A:														
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3B:														
Craven	0-6	---	---	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
	6-45	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	45-62	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3C:														
Craven	0-6	---	---	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
	6-45	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	45-62	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
3C:														
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4A:														
Emporia	0-12	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	12-22	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	22-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	42-62	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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King and Queen 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					
4B:														
Emporia	0-12	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	12-22	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	22-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	42-62	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4C:														
Emporia	0-12	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	12-22	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	22-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	42-62	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
5D:														
Emporia	0-12	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	12-22	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	22-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	42-62	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Slagle	0-8	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-32	---	---	12-34	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	32-62	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
Rumford	0-14	---	---	2-15	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	14-38	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	38-99	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	
5E:														
Emporia	0-12	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	12-22	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	22-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	42-62	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Slagle	0-8	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-32	---	---	12-34	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	32-62	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			

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										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
5E:														
Rumford	0-14	---	---	2-15	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	14-38	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	38-99	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6A:														
Faceville	0-9	---	---	5-20	1.40-1.65	6-20	0.06-0.09	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-30	---	---	20-50	1.35-1.60	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.37	.37			
	30-67	---	---	35-55	1.25-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.37	.37			
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6B:														
Faceville	0-9	---	---	5-20	1.40-1.65	6-20	0.06-0.09	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	9-30	---	---	20-50	1.35-1.60	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.37	.37			
	30-67	---	---	35-55	1.25-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.37	.37			

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										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
6B:														
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7A:														
Kinston	0-4	---	---	5-18	1.40-1.60	2-6	0.13-0.19	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	4-62	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.0-3.0	.32	.32			
Bibb	0-6	---	---	2-18	1.50-1.70	0.6-2	0.12-0.18	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	6-62	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			
Levy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rappahannock	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8A:														
Levy	0-4	---	---	20-50	0.50-1.00	0.06-0.2	0.16-0.22	6.0-8.9	5.0-10	.37	.37	5	8	0
	4-62	---	---	35-60	0.50-1.10	0.06-0.2	0.16-0.22	6.0-8.9	2.0-8.0	.32	.32			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rappahannock	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
8A:														
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9A:														
Mattaponi	0-8 8-62	---	---	5-18 35-60	1.30-1.55 1.40-1.65	0.6-6 0.2-0.6	0.08-0.15 0.12-0.18	0.0-2.9 3.0-5.9	0.5-2.0 0.0-0.5	.28 .28	.28 .28	5	3	86
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9B:														
Mattaponi	0-8 8-62	---	---	5-18 35-60	1.30-1.55 1.40-1.65	0.6-6 0.2-0.6	0.08-0.15 0.12-0.18	0.0-2.9 3.0-5.9	0.5-2.0 0.0-0.5	.28 .28	.28 .28	5	3	86
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
9B:														
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9C:														
Mattaponi	0-8 8-62	---	---	5-18 35-60	1.30-1.55 1.40-1.65	0.6-6 0.2-0.6	0.08-0.15 0.12-0.18	0.0-2.9 3.0-5.9	0.5-2.0 0.0-0.5	.28 .28	.28 .28	5	3	86
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10A:														
Munden	0-8 8-33 33-70	---	---	3-15 8-18 2-15	1.20-1.35 1.20-1.35 1.35-1.55	2-6 0.6-6 2-20	0.06-0.10 0.08-0.18 0.04-0.08	0.0-2.9 0.0-2.9 0.0-2.9	0.5-1.0 0.5-1.0 0.0-0.5	.10 .17 .17	.10 .17 .17	4	2	134
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
10A:														
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10B:														
Munden	0-8	---	---	3-15	1.20-1.35	2-6	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	4	2	134
	8-33	---	---	8-18	1.20-1.35	0.6-6	0.08-0.18	0.0-2.9	0.5-1.0	.17	.17			
	33-70	---	---	2-15	1.35-1.55	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11A:														
Pits, gravel	0-6	---	---	0-5	---	6-20	0.01-0.02	0.0-2.9	0.0-0.1	.02	.10	---	8	0
	6-60	---	---	0-5	---	6-20	0.01-0.02	0.0-2.9	0.0-0.1	.02	.10			
Dumps	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Landfills	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---

12A:

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

King and Queen 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					
12A:														
Rappahannock	0-12	---	---	0-10	0.10-0.60	0.6-2	0.22-0.26	0.0-2.9	20-65	---	---	2	8	0
	12-39	---	---	0-10	0.10-1.00	0.6-2	0.22-0.26	0.0-2.9	20-50	---	---			
	39-62	---	---	5-45	1.20-1.50	0.6-2	0.08-0.20	0.0-2.9	2.0-5.0	.17	.17			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13A:														
Roanoke	0-5	---	---	10-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	5-36	---	---	20-40	1.20-1.50	0.001-0.6	0.16-0.19	3.0-5.9	0.0-0.5	.24	.24			
	36-42	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	3.0-5.9	0.0-0.5	.24	.24			
	42-62	---	---	5-50	1.20-1.50	0.001-20	0.04-0.14	3.0-5.9	0.0-0.5	.24	.28			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
13A:														
14B:														
Rumford	0-14	---	---	2-15	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	14-38	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	38-99	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14C:														
Rumford	0-14	---	---	2-15	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	14-38	---	---	8-20	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	38-99	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
15A:														
Slagle	0-8	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-32	---	---	12-34	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	32-62	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15B:														
Slagle	0-8	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-32	---	---	12-34	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	32-62	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15C:														

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

King and Queen 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					
15C:														
Slagle	0-8	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-32	---	---	12-34	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	32-62	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16A:														
State	0-8	---	---	5-20	1.25-1.40	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	8-36	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	36-62	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16B:														

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

King and Queen 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					
16B:														
State	0-8	---	---	5-20	1.25-1.40	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	8-36	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	36-62	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17A:														
Suffolk	0-8	---	---	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
	8-43	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	43-65	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17B:														

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

King and Queen 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					
17B:														
Suffolk	0-8	---	---	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
	8-43	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	43-65	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17C:														
Suffolk	0-8	---	---	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
	8-43	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	43-65	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18B:														

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

King and Queen 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					
18B:														
Tarboro	0-7	---	---	3-12	1.60-1.75	6-20	0.05-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	7-62	---	---	2-8	1.60-1.75	20	0.02-0.06	0.0-2.9	0.0-0.5	.10	.10			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19A:														
Tetotum	0-12	---	---	5-15	1.50-1.70	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	12-32	---	---	18-34	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
	32-65	---	---	5-30	1.50-1.80	0.6-20	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---

19B:

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

King and Queen 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					
19B:														
Tetotum	0-12	---	---	5-15	1.50-1.70	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	12-32	---	---	18-34	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
	32-65	---	---	5-30	1.50-1.80	0.6-20	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19C:														
Tetotum	0-12	---	---	5-15	1.50-1.70	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	12-32	---	---	18-34	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
	32-65	---	---	5-30	1.50-1.80	0.6-20	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
<b>19C:</b>														
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>20A:</b>														
Tomotley	0-5	---	---	5-20	1.30-1.60	2-6	0.10-0.15	0.0-2.9	1.0-6.0	.24	.24	5	3	86
	5-45	---	---	18-34	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.5-1.0	.20	.20			
	45-62	---	---	5-45	1.30-1.60	0.2-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Levy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rappahannock	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>21A:</b>														
Wahee	0-11	---	---	5-20	1.30-1.60	0.6-2	0.10-0.15	0.0-2.9	0.5-5.0	.24	.24	5	3	86
	11-38	---	---	35-60	1.40-1.60	0.06-0.2	0.12-0.20	3.0-5.9	0.0-0.5	.28	.28			
	38-62	---	---	10-35	1.40-1.60	0.06-0.6	0.10-0.16	0.0-5.9	0.0-0.5	.24	.24			
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

King and Queen 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					
21A:														
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	