

Table J1b. - Physical Properties of the Soils

King William 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 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					
1A:														
Altavista	0-16	---	---	5-10	1.40-1.60	6-20	0.07-0.12	0.0-2.9	0.5-3.0	.17	.17	5	2	134
	16-40	---	---	18-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
	40-65	---	---	2-20	1.40-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-0.5	.10	.10			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1B:														
Altavista	0-16	---	---	5-15	1.40-1.60	6-20	0.07-0.12	0.0-2.9	0.5-3.0	.17	.17	5	3	86
	16-40	---	---	18-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
	40-65	---	---	2-20	1.40-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-0.5	.10	.10			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2A:														
Bama	0-13	---	---	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
	13-37	---	---	18-32	1.40-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			
	37-70	---	---	15-35	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
2A:														
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eulonia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2B:														
Bama	0-13	---	---	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
	13-37	---	---	18-32	1.40-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			
	37-70	---	---	15-35	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.32	.32			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eulonia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3A:														
Bibb	0-15	---	---	2-12	1.50-1.75	6-20	0.06-0.10	0.0-2.9	0.5-2.0	.15	.15	5	1	220
	15-65	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			

Table J1b. - Physical Properties of the Soils - Continued

King William 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:														
Kinston	0-8	---	---	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
	8-43	---	---	15-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.0-2.0	.32	.32			
	43-65	---	---	2-20	1.30-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-1.0	.32	.32			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4A:														
Bohicket	0-8	---	---	30-60	1.20-1.40	0.06-0.2	0.12-0.15	6.0-8.9	5.0-25	.28	.28	5	8	0
	8-65	---	---	35-60	1.30-1.60	0.001-0.06	0.02-0.15	6.0-8.9	5.0-20	.24	.24			
Lanexa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5A:														
Bojac	0-6	---	---	3-8	1.20-1.50	6-20	0.03-0.08	0.0-2.9	0.5-1.0	.05	.10	5	2	134
	6-40	---	---	11-16	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.32			
	40-65	---	---	1-6	1.30-1.80	6-20	0.02-0.05	0.0-2.9	0.0-0.5	.05	.10			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6A:														
Bojac	0-6	---	---	3-8	1.20-1.50	2-6	0.08-0.16	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	6-40	---	---	11-16	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	1-8	1.30-1.50	6-20	0.02-0.07	0.0-2.9	0.0-0.5	.17	.17			

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
6A:														
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6B:														
Bojac	0-6	---	---	3-8	1.20-1.50	2-6	0.08-0.16	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	6-40	---	---	11-16	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.17			
	40-65	---	---	1-8	1.30-1.50	6-20	0.02-0.07	0.0-2.9	0.0-0.5	.17	.17			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---

7A:

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
7A:														
Catpoint	0-5	---	---	0-5	1.30-1.60	6-20	0.04-0.08	0.0-2.9	0.5-1.0	.10	.10	5	1	220
	5-49	---	---	0-10	1.45-1.65	6-20	0.02-0.10	0.0-2.9	0.0-0.2	.10	.10			
	49-72	---	---	0-10	1.45-1.65	6-20	0.01-0.08	0.0-2.9	0.0-0.2	.10	.15			
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8A:														
Conetoe	0-29	---	---	2-10	1.60-1.75	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	29-52	---	---	10-22	1.40-1.60	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.15	.15			
	52-80	---	---	2-10	1.60-1.70	6-20	0.05-0.10	0.0-2.9	0.0-0.5	.10	.10			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9A:														
Daleville	0-5	---	---	10-20	1.40-1.50	0.6-2	0.18-0.20	0.0-2.9	0.5-2.0	.32	.32	5	---	---
	5-65	---	---	20-35	1.40-1.50	0.001-0.6	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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:														
Eulonia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10A:														
Emporia	0-16	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	16-45	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	45-55	---	---	15-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	55-80	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10B:														
Emporia	0-16	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	16-45	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	45-55	---	---	15-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
	55-80	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	3.0-5.9	0.0-0.5	.20	.24			
Bama	---	---	---	---	---	---	---	---	---	---	---	---	---	
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
10B:														
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uchee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11A:														
Eulonia	0-7	---	---	5-20	1.40-1.60	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	7-31	---	---	35-45	1.50-1.70	0.2-0.6	0.12-0.16	0.0-2.9	0.0-0.5	.24	.24			
	31-60	---	---	20-45	1.50-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.20	.20			
	60-75	---	---	10-40	1.50-1.70	0.6-6	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11B:														
Eulonia	0-7	---	---	5-20	1.40-1.60	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	7-31	---	---	35-45	1.50-1.70	0.2-0.6	0.12-0.16	0.0-2.9	0.0-0.5	.24	.24			
	31-60	---	---	20-45	1.50-1.70	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.20	.20			
	60-75	---	---	10-40	1.50-1.70	0.6-6	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
11B:														
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12A:														
Eunola	0-10	---	---	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
	10-55	---	---	18-35	1.35-1.65	0.6-2	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
	55-65	---	---	8-25	1.35-1.65	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.24	.24			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12B:														
Eunola	0-10	---	---	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
	10-55	---	---	18-35	1.35-1.65	0.6-2	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
	55-65	---	---	8-25	1.35-1.65	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.24	.24			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13A:														
Kempsville	0-18	---	---	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
	18-36	---	---	12-24	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	36-80	---	---	18-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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:														
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13B:														
Kempsville	0-18	---	---	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
	18-36	---	---	12-24	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	36-80	---	---	18-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14A:														
Kenansville	0-34	---	---	3-10	1.50-1.70	6-20	0.03-0.07	0.0-2.9	0.5-2.0	.15	.15	5	1	220
	34-45	---	---	5-20	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	0.0-0.2	.15	.15			
	45-70	---	---	1-10	1.50-1.70	6-20	0.00-0.05	0.0-2.9	0.0-0.2	.10	.10			
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
14A:														
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15A:														
Lanexa	0-26	---	---	20-50	1.10-1.25	0.2-2	0.10-0.20	0.0-2.9	12-22	.32	.32	1	2	134
	26-48	---	---	0-10	0.20-0.80	0.6-2	0.22-0.25	0.0-2.9	20-65	---	---			
	48-80	---	---	35-60	1.10-1.25	0.001-0.6	0.12-0.18	3.0-5.9	12-22	.32	.32			
Bohicket	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16A:														
Mattan	0-14	---	---	12-35	1.10-1.25	0.6-2	0.10-0.20	0.0-2.9	12-20	.32	.32	---	8	0
	14-40	---	---	2-10	0.20-0.80	0.6-2	0.22-0.26	0.0-2.9	20-60	---	---			
	40-80	---	---	2-35	1.20-1.50	0.6-2	0.08-0.18	0.0-2.9	2.0-10	.17	.17			
Lanexa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17A:														
Munden	0-13	---	---	3-10	1.20-1.35	2-6	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	13-44	---	---	8-18	1.20-1.35	0.6-6	0.08-0.18	0.0-2.9	0.0-0.2	.17	.17			
	44-60	---	---	2-12	1.35-1.55	2-20	0.04-0.08	0.0-2.9	0.0-0.2	.17	.17			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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		
17A:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18A:														
Myatt	0-17	---	---	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
	17-40	---	---	18-35	1.30-1.50	0.2-2	0.12-0.20	0.0-2.9	0.0-1.0	.28	.28			
	40-65	---	---	2-30	1.30-1.50	0.2-2	0.10-0.20	0.0-2.9	0.0-0.5	.24	.32			
Daleville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19A:														
Nansemond	0-16	---	---	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
	16-42	---	---	10-18	1.25-1.45	2-6	0.10-0.16	0.0-2.9	0.0-0.2	.17	.20			
	42-60	---	---	2-12	1.35-1.55	6-20	0.02-0.10	0.0-2.9	0.0-0.2	.15	.17			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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:														
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20A:														
Osier	0-7	---	---	2-10	1.35-1.60	6-20	0.10-0.15	0.0-2.9	1.0-5.0	.15	.15	5	3	86
	7-30	---	---	2-10	1.40-1.60	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.10			
	30-60	---	---	2-10	1.40-1.60	20	0.02-0.05	0.0-2.9	0.0-0.5	.05	.05			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21A:														
Pactolus	0-33	---	---	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
	33-60	---	---	2-12	1.60-1.75	6-20	0.03-0.07	0.0-2.9	0.0-0.2	.10	.10			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
22D:														
Remlik	0-22	---	---	0-10	1.20-1.50	6-20	0.04-0.08	0.0-2.9	0.5-1.0	.10	.10	5	1	250
	22-70	---	---	8-30	1.20-1.35	0.6-6	0.10-0.17	0.0-2.9	0.0-0.5	.20	.20			
Nevarc	0-6	---	---	8-18	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	4	3	86
	6-40	---	---	32-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	40-60	---	---	5-50	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.0-0.5	.10	.10			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22F:														
Remlik	0-22	---	---	0-10	1.20-1.50	6-20	0.04-0.08	0.0-2.9	0.5-1.0	.10	.10	5	1	250
	22-70	---	---	8-30	1.20-1.35	0.6-6	0.10-0.17	0.0-2.9	0.0-0.5	.20	.20			
Nevarc	0-6	---	---	8-18	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.24	.24	4	3	86
	6-40	---	---	32-55	1.30-1.50	0.06-0.2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	40-60	---	---	5-50	1.30-1.50	2-6	0.08-0.12	0.0-2.9	0.0-0.5	.10	.10			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kinston	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
22F:														
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23A:														
Riverview	0-12	---	---	3-10	1.35-1.65	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	12-65	---	---	18-35	1.20-1.40	0.6-2	0.15-0.22	0.0-2.9	0.5-1.0	.24	.24			
Mattan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24A:														
Roanoke	0-12	---	---	10-27	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.37	.37	4	5	56
	12-23	---	---	20-35	1.20-1.50	0.001-20	0.16-0.19	3.0-5.9	0.0-0.5	.24	.24			
	23-46	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	3.0-5.9	0.0-0.5	.24	.24			
	46-65	---	---	5-50	1.20-1.50	0.001-20	0.04-0.14	3.0-5.9	0.0-0.5	.24	.28			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25A:														

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
25A:														
Seabrook	0-4	---	---	2-12	1.30-1.60	6-20	0.05-0.11	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	4-41	---	---	2-12	1.30-1.60	6-20	0.02-0.09	0.0-2.9	0.0-0.5	.10	.10			
	41-72	---	---	2-12	1.30-1.60	6-20	0.02-0.09	0.0-2.9	0.0-0.5	.10	.10			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26A:														
Slagle	0-14	---	---	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
	14-34	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	34-62	---	---	18-45	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eulonia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26B:														
Slagle	0-14	---	---	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
	14-34	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	34-62	---	---	18-45	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
26B:														
Myatt	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eulonia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27A:														
State	0-13	---	---	2-15	1.35-1.45	2-6	0.06-0.09	0.0-2.9	0.5-1.0	.28	.28	5	2	134
	13-50	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	50-65	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27B:														
State	0-13	---	---	2-15	1.35-1.45	2-6	0.06-0.09	0.0-2.9	0.5-1.0	.28	.28	5	2	134
	13-50	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	50-65	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
27B:														
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wickham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28A:														
Suffolk	0-10	---	---	4-10	1.40-1.50	2-20	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	10-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-65	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Rumford	0-15	---	---	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
	15-30	---	---	8-25	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	30-65	---	---	2-25	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	
28B:														
Suffolk	0-10	---	---	4-10	1.40-1.50	2-20	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	10-38	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	38-65	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
28B:														
Rumford	0-15	---	---	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
	15-30	---	---	8-25	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	30-65	---	---	2-25	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nansemond	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29B:														
Tarboro	0-9	---	---	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
	9-80	---	---	2-7	1.60-1.75	20	0.02-0.06	0.0-2.9	0.0-0.2	.10	.10			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29D:														
Tarboro	0-9	---	---	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
	9-80	---	---	2-7	1.60-1.75	20	0.02-0.06	0.0-2.9	0.0-0.2	.10	.10			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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		
29D:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29F:														
Tarboro	0-9 9-80	---	---	3-12 2-7	1.60-1.75 1.60-1.75	6-20 20	0.05-0.09 0.02-0.06	0.0-2.9 0.0-2.9	0.5-1.0 0.0-0.2	.10 .10	.10 .10	5	2	134
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Conetoe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30A:														
Tomotley	0-17 17-52 52-65	---	---	5-20 18-35 10-45	1.30-1.60 1.30-1.50 1.30-1.60	2-6 0.6-2 0.2-2	0.10-0.15 0.12-0.18 0.12-0.18	0.0-2.9 0.0-2.9 0.0-2.9	1.0-6.0 0.5-1.0 0.0-0.5	.20 .20 .20	.20 .20 .20	5	3	86
Roanoke	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Seabrook	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
31B: Udorthents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
32A: Wehadkee	0-10	---	---	5-20	1.35-1.60	2-6	0.10-0.15	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	10-44	---	---	15-35	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-1.0	.32	.32			
	44-70	---	---	2-35	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.0-1.0	.32	.32			
Mattan	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Riverview	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33A: Wickham	0-15	---	---	4-10	1.60-1.70	2-6	0.05-0.08	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	15-37	---	---	18-35	1.30-1.50	0.6-2	0.12-0.17	0.0-2.9	0.0-0.5	.24	.24			
	37-70	---	---	2-30	1.40-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-0.5	.28	.28			
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
33B: Wickham	0-15	---	---	4-10	1.60-1.70	2-6	0.05-0.08	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	15-37	---	---	18-35	1.30-1.50	0.6-2	0.12-0.17	0.0-2.9	0.0-0.5	.24	.24			
	37-70	---	---	2-30	1.40-1.70	0.6-6	0.05-0.15	0.0-2.9	0.0-0.5	.28	.28			
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

King William 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					
33B:														
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	
State	---	---	---	---	---	---	---	---	---	---	---	---	---	
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	