

Table J1b. - Physical Properties of the Soils

Essex 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:														
Atlee	0-10	---	---	7-15	1.10-1.30	0.6-2	0.14-0.20	0.0-2.9	1.0-2.0	.37	.37	4	5	56
	10-26	---	---	10-30	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.37	.37			
	26-52	---	---	18-35	1.30-1.50	0.2-0.6	0.07-0.12	0.0-2.9	0.0-0.5	.37	.37			
	52-72	---	---	20-45	1.30-1.60	0.2-2	0.11-0.19	3.0-5.9	0.0-0.5	.37	.37			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2A:														
Augusta	0-7	---	---	5-20	1.40-1.70	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.20	.20	4	3	86
	7-50	---	---	20-35	1.35-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	50-72	---	---	2-35	1.35-1.60	0.6-20	0.05-0.18	0.0-2.9	0.0-0.5	.24	.24			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3A:														
Bibb	0-4	---	---	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
	4-72	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			
	72-76	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.0-1.0	.20	.20			
Catpoint	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rappahanock	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Essex 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					
4A:														
Bojac	0-7	---	---	3-8	1.20-1.50	6-20	0.05-0.10	0.0-2.9	0.5-1.0	.17	.17	3	2	134
	7-40	---	---	11-16	1.35-1.55	2-6	0.08-0.16	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-8	1.30-1.50	6-20	0.02-0.07	0.0-2.9	0.0-0.5	.17	.17			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5A:														
Bolling	0-8	---	---	5-20	1.20-1.55	0.6-6	0.10-0.20	0.0-2.9	1.0-2.0	.28	.28	4	5	56
	8-40	---	---	20-35	1.30-1.60	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	40-72	---	---	2-55	1.30-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
Molena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6B:														
Catpoint	0-7	---	---	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
	7-35	---	---	0-10	1.45-1.65	6-20	0.02-0.10	0.0-2.9	0.0-0.5	.10	.10			
	35-72	---	---	0-10	1.45-1.65	6-20	0.01-0.08	0.0-2.9	0.0-0.5	.10	.15			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7A:														
Chickahominy	0-8	---	---	10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	8-46	---	---	27-60	1.25-1.35	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.37	.37			
	46-72	---	---	27-60	1.30-1.50	0.001-0.06	0.10-0.19	6.0-8.9	0.0-0.5	.24	.24			
Ponded soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Essex 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:														
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8A:														
Dogue	0-8	---	---	5-15	1.30-1.45	0.6-2	0.14-0.20	0.0-2.9	0.5-1.0	.37	.37	5	5	56
	8-53	---	---	35-50	1.45-1.60	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	53-72	---	---	5-30	1.30-1.50	0.6-6	0.05-0.14	0.0-2.9	0.0-0.5	.17	.17			
Chickahominy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Newflat	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9A:														
Emporia	0-9	---	---	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
	9-24	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	24-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
	42-72	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	0.0-2.9	0.0-0.5	.20	.24			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9B:														

Table J1b. - Physical Properties of the Soils - Continued

Essex 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:														
Emporia	0-9	---	---	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
	9-24	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	24-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
	42-72	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	0.0-2.9	0.0-0.5	.20	.24			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9C:														
Emporia	0-9	---	---	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
	9-24	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	24-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
	42-72	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	0.0-2.9	0.0-0.5	.20	.24			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10A:														
Kempsville	0-8	---	---	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
	8-22	---	---	12-24	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.5-1.0	.24	.24			
	22-49	---	---	18-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	49-72	---	---	5-30	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---

10B:

Table J1b. - Physical Properties of the Soils - Continued

Essex 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:														
Kempsville	0-8	---	---	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
	8-22	---	---	12-24	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.5-1.0	.24	.24			
	22-49	---	---	18-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	49-72	---	---	5-30	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10C:														
Kempsville	0-8	---	---	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
	8-22	---	---	12-24	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.5-1.0	.24	.24			
	22-49	---	---	18-35	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
	49-72	---	---	5-30	1.30-1.60	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11A:														
Levy	0-12	---	---	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
	12-48	---	---	35-60	0.50-1.10	0.06-0.2	0.16-0.22	6.0-8.9	2.0-8.0	.32	.32			
	48-72	---	---	10-35	0.50-1.00	0.06-0.2	0.16-0.22	---	5.0-10	---	---			
Rappahannock	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12A:														
Molena	0-8	---	---	2-7	1.35-1.55	6-20	0.05-0.07	0.0-2.9	0.5-2.0	.10	.10	5	1	160
	8-23	---	---	5-10	1.45-1.60	6-20	0.06-0.09	0.0-2.9	0.0-0.5	.17	.17			
	23-72	---	---	0-5	1.45-1.60	6-20	0.03-0.05	0.0-2.9	0.0-0.5	.15	.15			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Essex 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		
12A:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Pamunkey	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12B:														
Molena	0-8	---	---	2-7	1.35-1.55	6-20	0.05-0.07	0.0-2.9	0.5-2.0	.10	.10	5	1	160
	8-23	---	---	5-10	1.45-1.60	6-20	0.06-0.09	0.0-2.9	0.0-0.5	.17	.17			
	23-72	---	---	0-5	1.45-1.60	6-20	0.03-0.05	0.0-2.9	0.0-0.5	.15	.15			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13A:														
Munden	0-11	---	---	4-16	1.20-1.35	2-6	0.08-0.16	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	11-30	---	---	8-18	1.20-1.35	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.17	.17			
	30-72	---	---	2-12	1.35-1.55	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14A:														
Newflat	0-8	---	---	10-25	1.20-1.30	0.6-2	0.10-0.17	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	8-42	---	---	25-40	1.25-1.35	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.37	.37			
	42-72	---	---	35-60	1.30-1.50	0.001-0.06	0.10-0.19	6.0-8.9	0.0-0.5	.24	.24			
Chickahominy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Essex 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:														
15A:														
Pamunkey	0-12	---	---	5-15	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.28	.28	4	5	56
	12-51	---	---	20-35	1.35-1.65	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	51-72	---	---	4-18	1.40-1.65	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.28	.32			
Bolling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16:														
Pits	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17A:														
Rappahannock	0-30	---	---	0-20	0.10-0.60	0.6-2	0.22-0.26	0.0-2.9	20-65	---	---	---	8	0
	30-65	---	---	5-40	1.20-1.50	0.6-2	0.08-0.20	0.0-2.9	5.0-15	.17	.17			
	65-72	---	---	5-40	1.20-1.50	0.6-2	0.08-0.20	0.0-2.9	1.0-20	.17	.17			
18B:														
Rumford	0-14	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	14-52	---	---	8-18	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19E:														
Rumford	0-14	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	14-52	---	---	8-18	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			

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Essex 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					
19E:														
Emporia	0-9	---	---	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
	9-24	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	24-42	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
	42-72	---	---	5-40	1.45-1.60	0.001-2	0.08-0.18	0.0-2.9	0.0-0.5	.20	.24			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Slagle	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20D:														
Rumford	0-14	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	14-52	---	---	8-18	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
Slagle	0-10	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	10-29	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	29-58	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	58-72	---	---	5-32	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Bibb	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---

21B:

Table J1b. - Physical Properties of the Soils - Continued

Essex 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					
21B:														
Slagle	0-10	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	10-29	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	29-58	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	58-72	---	---	5-32	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Atlee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21C:														
Slagle	0-10	---	---	8-18	1.30-1.45	2-6	0.10-0.14	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	10-29	---	---	12-35	1.30-1.45	0.6-2	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24			
	29-58	---	---	18-40	1.35-1.60	0.001-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.24	.24			
	58-72	---	---	5-32	1.35-1.50	0.2-6	0.08-0.15	0.0-2.9	0.0-0.5	.24	.24			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22A:														
State	0-12	---	---	5-15	1.25-1.40	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	12-42	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	42-72	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Essex 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					
22B:														
State	0-12	---	---	5-15	1.25-1.40	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	12-42	---	---	18-34	1.35-1.50	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.28	.28			
	42-72	---	---	2-15	1.35-1.50	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.17	.17			
Bojac	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23A:														
Suffolk	0-13	---	---	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
	13-37	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	37-72	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23B:														
Suffolk	0-13	---	---	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
	13-37	---	---	10-33	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	37-72	---	---	4-10	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24A:														
Tetotum	0-11	---	---	10-22	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.5-2.0	.37	.37	4	5	56
	11-49	---	---	18-35	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
	49-72	---	---	5-30	1.50-1.80	0.6-20	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Essex 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					
24A:														
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24B:														
Tetotum	0-11	---	---	10-22	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.5-2.0	.37	.37	4	5	56
	11-49	---	---	18-35	1.40-1.65	0.6-2	0.14-0.19	0.0-2.9	0.0-0.5	.32	.32			
	49-72	---	---	5-30	1.50-1.80	0.6-20	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
Munden	---	---	---	---	---	---	---	---	---	---	---	---	---	---
State	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tomotley	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25A:														
Tomotley	0-9	---	---	5-20	1.30-1.60	2-6	0.10-0.15	0.0-2.9	1.0-4.0	.20	.20	5	3	86
	9-18	---	---	18-35	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.3-1.0	.20	.20			
	18-49	---	---	15-45	1.30-1.60	0.2-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
	49-72	---	---	2-50	1.30-1.60	0.2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	.20			
Augusta	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chickahominy	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetotum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---