

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
AdA: Adelphia-----	0-1	---	---	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20	5	3	86
	1-19	---	---	5-25	1.40-1.60	0.6-6	0.14-0.21	0.0-2.9	0.5-3.0	.32	.32			
	19-22	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	22-35	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	35-47	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	47-71	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	71-80	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
Holmdel-----	0-8	---	---	5-10	1.45-1.55	2-20	0.08-0.14	0.0-2.9	1.0-2.0	.32	.32	5	2	134
	8-16	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	16-36	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	36-55	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	55-72	---	---	2-15	1.50-1.65	2-20	0.05-0.13	0.0-2.9	0.0-0.5	.24	.24			
AdB: Adelphia-----	0-1	---	---	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20	5	3	86
	1-19	---	---	5-25	1.40-1.60	0.6-6	0.14-0.21	0.0-2.9	0.5-3.0	.32	.32			
	19-22	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	22-35	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	35-47	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	47-71	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	71-80	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
Holmdel-----	0-16	---	---	5-10	1.45-1.55	2-20	0.08-0.14	0.0-2.9	1.0-2.0	.32	.32	5	2	134
	16-40	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	40-60	---	---	2-15	1.50-1.65	2-20	0.05-0.13	0.0-2.9	0.0-0.5	.24	.24			
AdC: Adelphia-----	0-1	---	---	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20	5	3	86
	1-19	---	---	5-25	1.40-1.60	0.6-6	0.14-0.21	0.0-2.9	0.5-3.0	.32	.32			
	19-22	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	22-35	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	35-47	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	47-71	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	71-80	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
Holmdel-----	0-16	---	---	5-10	1.45-1.55	2-20	0.08-0.14	0.0-2.9	1.0-2.0	.32	.32	5	2	134
	16-40	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	40-60	---	---	2-15	1.50-1.65	2-20	0.05-0.13	0.0-2.9	0.0-0.5	.24	.24			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
AeB:														
Adelphia-----	0-1	---	---	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20	5	3	86
	1-19	---	---	5-25	1.40-1.60	0.6-6	0.14-0.21	0.0-2.9	0.5-3.0	.32	.32			
	19-22	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	22-35	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	35-47	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	47-71	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
	71-80	---	---	20-35	1.50-1.70	0.2-2	0.13-0.18	3.0-5.9	---	.43	.43			
Holmdel-----	0-16	---	---	5-10	1.45-1.55	2-20	0.08-0.14	0.0-2.9	1.0-2.0	.32	.32	5	2	134
	16-40	---	---	15-30	1.35-1.45	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
	40-60	---	---	2-15	1.50-1.65	2-20	0.05-0.13	0.0-2.9	0.0-0.5	.24	.24			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
AfB:														
Alloway-----	0-6	---	---	10-26	1.20-1.45	0.2-2	0.16-0.20	0.0-2.9	0.0-1.0	.43	.43	---	---	---
	6-75	---	---	25-70	1.10-1.30	0.06-0.2	0.17-0.21	0.0-2.9	0.0-0.0	.43	.43			
Sassafras-----	0-15	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	15-37	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	37-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
AfC:														
Alloway-----	0-6	---	---	10-26	1.20-1.45	0.2-2	0.16-0.20	0.0-2.9	0.0-1.0	.43	.43	5	5	56
	6-75	---	---	25-70	1.10-1.30	0.06-0.2	0.17-0.21	0.0-2.9	0.0-0.0	.43	.43			
Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			
AnB:														
Alloway-----	0-6	---	---	10-26	1.20-1.45	0.2-2	0.16-0.20	0.0-2.9	0.0-1.0	.43	.43	---	---	---
	6-75	---	---	25-70	1.10-1.30	0.06-0.2	0.17-0.21	0.0-2.9	0.0-0.0	.43	.43			
Sassafras-----	0-15	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	15-37	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	37-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
AnD:														
Alloway-----	0-6	---	---	10-26	1.20-1.45	0.2-2	0.16-0.20	0.0-2.9	0.0-1.0	.43	.43	5	5	56
	6-75	---	---	25-70	1.10-1.30	0.06-0.2	0.17-0.21	0.0-2.9	0.0-0.0	.43	.43			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
AoA: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AoB: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AoC: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AsA: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AsB: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AsC: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
AsE: Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CHA:														
Codorus-----	0-18	---	---	15-25	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	2.0-4.0	.49	.37	4	---	56
	18-54	---	---	18-35	1.20-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.37	.37			
	54-60	---	---	5-12	1.20-1.50	2-20	0.04-0.08	0.0-2.9	---	.24	.28			
Hatboro-----	0-9	---	---	10-20	1.20-1.40	0.6-2	0.16-0.22	0.0-2.9	1.0-4.0	.49	.37	4	---	56
	9-44	---	---	15-35	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	---	.32	.20			
	44-56	---	---	10-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	---	.20	.20			
	56-70	---	---	5-45	1.10-1.60	2-6	0.04-0.08	0.0-2.9	---	.20	---			
CkA:														
Colemantown-----	0-10	---	---	10-35	1.20-1.50	0.2-2	0.18-0.24	3.0-5.9	2.0-6.0	.43	.43	3	---	0
	10-30	---	---	35-60	1.20-1.70	0.06-0.2	0.20-0.24	3.0-5.9	---	.37	.37			
	30-60	---	---	10-50	1.35-1.70	0.2-0.6	0.16-0.20	0.0-2.9	---	.37	.37			
CmA:														
Colemantown-----	0-16	---	---	10-35	1.20-1.50	0.2-2	0.18-0.24	3.0-5.9	2.0-6.0	.32	.32	3	8	0
	16-34	---	---	35-60	1.20-1.70	0.06-0.2	0.20-0.24	3.0-5.9	---	.32	.32			
	34-60	---	---	10-50	1.35-1.70	0.2-0.6	0.16-0.20	0.0-2.9	---	.37	.37			
CnB:														
Colemantown-----	0-10	---	---	10-35	1.20-1.50	0.2-2	0.18-0.24	3.0-5.9	2.0-6.0	.43	.43	3	---	0
	10-30	---	---	35-60	1.20-1.70	0.06-0.2	0.20-0.24	3.0-5.9	---	.37	.37			
	30-60	---	---	10-50	1.35-1.70	0.2-0.6	0.16-0.20	0.0-2.9	---	.37	.37			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
CoA:														
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CoB:														
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CoC:														
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CpB:														
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CpD:														
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CRD:														
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
CSE:														
Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Westphalia-----	0-10	---	---	8-15	1.40-1.60	0.6-2	0.12-0.24	0.0-2.9	0.5-3.0	.49	.49	4	---	86
	10-28	---	---	10-18	1.40-1.60	0.6-2	0.10-0.24	0.0-2.9	---	.43	.43			
	28-72	---	---	5-15	1.40-1.60	0.6-6	0.08-0.16	0.0-2.9	---	.43	.43			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CSF: Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Westphalia-----	0-10	---	---	8-15	1.40-1.60	0.6-2	0.12-0.24	0.0-2.9	0.5-3.0	.49	.49	4	---	86
	10-28	---	---	10-18	1.40-1.60	0.6-2	0.10-0.24	0.0-2.9	---	.43	.43			
	28-72	---	---	5-15	1.40-1.60	0.6-6	0.08-0.16	0.0-2.9	---	.43	.43			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CSG: Collington-----	0-13	---	---	10-20	1.20-1.45	0.6-6	0.14-0.22	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-32	---	---	15-35	1.30-1.65	0.2-2	0.12-0.16	3.0-5.9	---	.32	.32			
	32-60	---	---	5-15	1.55-1.70	0.6-20	0.05-0.15	0.0-2.9	---	.24	.24			
Westphalia-----	0-10	---	---	8-15	1.40-1.60	0.6-2	0.12-0.24	0.0-2.9	0.5-3.0	.49	.49	4	---	86
	10-28	---	---	10-18	1.40-1.60	0.6-2	0.10-0.24	0.0-2.9	---	.43	.43			
	28-72	---	---	5-15	1.40-1.60	0.6-6	0.08-0.16	0.0-2.9	---	.43	.43			
Wist-----	0-13	51-75	15-29	7-20	1.30-1.60	2-6	0.10-0.16	0.0-2.9	1.0-3.0	.28	.28	5	3	86
	13-51	44-62	14-29	18-35	1.30-1.60	0.6-2	0.15-0.19	0.0-2.9	0.0-0.2	.24	.24			
	51-82	70-90	14-16	3-20	1.30-1.60	0.2-6	0.10-0.14	0.0-2.9	0.0-0.1	.20	.20			
CTA: Comus-----	0-30	---	---	5-18	1.20-1.40	0.6-2	0.13-0.21	0.0-2.9	1.0-3.0	.43	.43	5	---	56
	30-60	---	---	5-34	1.30-1.60	0.6-6	0.07-0.21	0.0-2.9	---	.28	.32			
Codorus-----	0-18	---	---	15-25	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	2.0-4.0	.49	.37	5	---	56
	18-54	---	---	18-35	1.20-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.37	.37			
	54-60	---	---	5-12	1.20-1.50	2-20	0.04-0.08	0.0-2.9	---	.24	.28			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CxA:														
Cumberstone-----	0-9	10-30	50-65	12-27	1.35-1.50	0.2-2	0.18-0.22	0.0-2.9	0.5-3.0	.43	.43	3	5	56
	9-23	10-30	40-65	18-40	1.40-1.55	0.06-0.6	0.14-0.18	0.0-2.9	0.1-0.5	.37	.37			
	23-33	10-30	40-65	12-30	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	33-54	10-46	27-65	18-40	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	54-62	30-50	5-30	27-55	1.40-1.55	0.06-0.6	0.10-0.16	3.0-5.9	0.0-0.1	.17	.17			
	62-80	35-60	5-30	12-45	1.40-1.55	0.2-2	0.10-0.16	0.0-3.0	0.0-0.1	.10	.10			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
CxB:														
Cumberstone-----	0-9	10-30	50-65	12-27	1.35-1.50	0.2-2	0.18-0.22	0.0-2.9	0.5-3.0	.43	.43	3	5	56
	9-23	10-30	40-65	18-40	1.40-1.55	0.06-0.6	0.14-0.18	0.0-2.9	0.1-0.5	.37	.37			
	23-33	10-30	40-65	12-30	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	33-54	10-46	27-65	18-40	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	54-62	30-50	5-30	27-55	1.40-1.55	0.06-0.6	0.10-0.16	3.0-5.9	0.0-0.1	.17	.17			
	62-80	35-60	5-30	12-45	1.40-1.55	0.2-2	0.10-0.16	0.0-3.0	0.0-0.1	.10	.10			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
CxC:														
Cumberstone-----	0-9	10-30	50-65	12-27	1.35-1.50	0.2-2	0.18-0.22	0.0-2.9	0.5-3.0	.43	.43	3	5	56
	9-23	10-30	40-65	18-40	1.40-1.55	0.06-0.6	0.14-0.18	0.0-2.9	0.1-0.5	.37	.37			
	23-33	10-30	40-65	12-30	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	33-54	10-46	27-65	18-40	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	54-62	30-50	5-30	27-55	1.40-1.55	0.06-0.6	0.10-0.16	3.0-5.9	0.0-0.1	.17	.17			
	62-80	35-60	5-30	12-45	1.40-1.55	0.2-2	0.10-0.16	0.0-3.0	0.0-0.1	.10	.10			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
CyB:														
Cumberstone-----	0-9	10-30	50-65	12-27	1.35-1.50	0.2-2	0.18-0.22	0.0-2.9	0.5-3.0	.43	.43	3	5	56
	9-23	10-30	40-65	18-40	1.40-1.55	0.06-0.6	0.14-0.18	0.0-2.9	0.1-0.5	.37	.37			
	23-33	10-30	40-65	12-30	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	33-54	10-46	27-65	18-40	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	54-62	30-50	5-30	27-55	1.40-1.55	0.06-0.6	0.10-0.16	3.0-5.9	0.0-0.1	.17	.17			
	62-80	35-60	5-30	12-45	1.40-1.55	0.2-2	0.10-0.16	0.0-3.0	0.0-0.1	.10	.10			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
CyD: Cumberstone-----	0-9	10-30	50-65	12-27	1.35-1.50	0.2-2	0.18-0.22	0.0-2.9	0.5-3.0	.43	.43	3	5	56
	9-23	10-30	40-65	18-40	1.40-1.55	0.06-0.6	0.14-0.18	0.0-2.9	0.1-0.5	.37	.37			
	23-33	10-30	40-65	12-30	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	33-54	10-46	27-65	18-40	1.40-1.55	0.06-0.6	0.14-0.20	0.0-2.9	0.0-0.1	.37	.37			
	54-62	30-50	5-30	27-55	1.40-1.55	0.06-0.6	0.10-0.16	3.0-5.9	0.0-0.1	.17	.17			
	62-80	35-60	5-30	12-45	1.40-1.55	0.2-2	0.10-0.16	0.0-3.0	0.0-0.1	.10	.10			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
DcA: Deale-----	0-8	---	---	12-27	1.30-1.50	0.6-2	0.16-0.24	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	8-32	19-26	40-51	18-35	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.2	.32	.32			
	32-50	10-46	49-65	15-27	1.40-1.60	0.06-0.2	0.14-0.22	0.0-2.9	0.0-0.5	.32	.32			
	50-72	15-25	35-45	27-60	1.30-1.50	0.0015-0.6	0.12-0.16	3.0-8.9	0.0-0.1	.20	.20			
Shadyoak-----	0-9	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	9-29	---	---	26-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	29-58	19-46	27-51	26-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-80	49-65	18-51	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
DeA: Deale-----	0-8	---	---	12-27	1.30-1.50	0.6-2	0.16-0.24	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	8-32	19-26	40-51	18-35	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.2	.32	.32			
	32-50	10-46	49-65	15-27	1.40-1.60	0.06-0.2	0.14-0.22	0.0-2.9	0.0-0.5	.32	.32			
	50-72	15-25	35-45	27-60	1.30-1.50	0.0015-0.6	0.12-0.16	3.0-8.9	0.0-0.1	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Shadyoak-----	0-9	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	9-29	---	---	26-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	29-58	19-46	27-51	26-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-80	49-65	18-51	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
DfA: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
DfB: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
DfC: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
DnA: Donlonton-----	0-12	---	---	5-20	1.20-1.60	0.2-2	0.12-0.22	0.0-2.9	1.0-4.0	.43	.43	3	---	86
	12-50	---	---	30-50	1.35-1.60	0.06-0.2	0.18-0.24	3.0-5.9	---	.28	.28			
	50-60	---	---	15-35	1.35-1.60	0.2-2	0.12-0.22	0.0-2.9	---	.28	.28			
DnB: Donlonton-----	0-12	---	---	5-20	1.20-1.60	0.2-2	0.12-0.22	0.0-2.9	1.0-4.0	.43	.43	3	---	86
	12-50	---	---	30-50	1.35-1.60	0.06-0.2	0.18-0.24	3.0-5.9	---	.28	.28			
	50-60	---	---	15-35	1.35-1.60	0.2-2	0.12-0.22	0.0-2.9	---	.28	.28			
DuB: Donlonton-----	0-12	---	---	5-20	1.20-1.60	0.2-2	0.12-0.22	0.0-2.9	1.0-4.0	.43	.43	3	---	86
	12-50	---	---	30-50	1.35-1.60	0.06-0.2	0.18-0.24	3.0-5.9	---	.28	.28			
	50-60	---	---	15-35	1.35-1.60	0.2-2	0.12-0.22	0.0-2.9	---	.28	.28			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
DvB: Downer-----	0-6	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	6-30	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	30-38	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	38-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Hammonton-----	0-11	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	5	3	86
	11-24	---	---	10-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	2-22	1.40-1.75	0.6-20	0.03-0.15	0.0-2.9	0.0-0.5	.17	.20			
DvC: Downer-----	0-5	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	5-28	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	28-40	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	40-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Hammonton-----	0-11	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	5	3	86
	11-24	---	---	10-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	2-22	1.40-1.75	0.6-20	0.03-0.15	0.0-2.9	0.0-0.5	.17	.20			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
DvD: Downer-----	0-12	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	12-24	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-54	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	54-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Hammonton-----	0-11	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	5	3	86
	11-24	---	---	10-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	2-22	1.40-1.75	0.6-20	0.03-0.15	0.0-2.9	0.0-0.5	.17	.20			
DwB: Downer-----	0-6	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	6-30	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	30-38	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	38-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Hammonton-----	0-11	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	5	3	86
	11-24	---	---	10-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	2-22	1.40-1.75	0.6-20	0.03-0.15	0.0-2.9	0.0-0.5	.17	.20			
DwD: Downer-----	0-5	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	5-28	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	28-40	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	40-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Hammonton-----	0-11	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	5	3	86
	11-24	---	---	10-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-72	---	---	2-22	1.40-1.75	0.6-20	0.03-0.15	0.0-2.9	0.0-0.5	.17	.20			
DxB: Downer-----	0-6	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	6-30	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	30-38	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	38-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Phalanx-----	0-2	---	---	2-10	1.20-1.35	6-20	0.03-0.08	0.0-2.9	0.5-2.0	.20	.20	3	2	134
	2-6	---	---	2-10	1.20-1.35	6-20	0.03-0.08	0.0-2.9	0.5-2.0	.20	.20			
	6-12	---	---	2-5	1.50-1.85	2-20	0.06-0.14	0.0-2.9	0.1-0.2	.28	.32			
	12-40	---	---	2-5	1.50-1.85	2-20	0.06-0.14	0.0-2.9	0.1-0.2	.28	.32			
	40-46	---	---	2-25	1.60-1.95	0.6-20	0.02-0.10	0.0-2.9	0.1-0.2	.24	.28			
	46-60	---	---	1-9	1.60-1.85	6-20	0.02-0.08	0.0-2.9	0.1-0.2	.17	.20			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
DxC: Downer-----	0-5	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	5-28	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	28-40	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	40-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Phalanx-----	0-2	---	---	2-10	1.20-1.35	6-20	0.03-0.08	0.0-2.9	0.5-2.0	.20	.20	3	2	134
	2-6	---	---	2-10	1.20-1.35	6-20	0.03-0.08	0.0-2.9	0.5-2.0	.20	.20			
	6-12	---	---	2-5	1.50-1.85	2-20	0.06-0.14	0.0-2.9	0.1-0.2	.28	.32			
	12-40	---	---	2-5	1.50-1.85	2-20	0.06-0.14	0.0-2.9	0.1-0.2	.28	.32			
	40-46	---	---	2-25	1.60-1.95	0.6-20	0.02-0.10	0.0-2.9	0.1-0.2	.24	.28			
	46-60	---	---	1-9	1.60-1.85	6-20	0.02-0.08	0.0-2.9	0.1-0.2	.17	.20			
DxD: Downer-----	0-12	---	---	5-10	1.20-1.60	2-6	0.10-0.14	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	12-24	---	---	6-18	1.45-1.65	2-6	0.08-0.13	0.0-2.9	0.0-0.5	.32	.32			
	24-54	---	---	3-5	1.40-1.75	6-20	0.02-0.08	0.0-2.9	0.0-0.5	.17	.20			
	54-72	---	---	3-25	1.40-1.75	0.6-20	0.02-0.16	0.0-2.9	0.0-0.5	.20	.20			
Phalanx-----	0-17	---	---	2-10	1.20-1.35	6-20	0.03-0.08	0.0-2.9	0.5-2.0	.20	.20	3	2	134
	17-38	---	---	2-5	1.50-1.85	2-20	0.06-0.14	0.0-2.9	---	.28	.32			
	38-60	---	---	1-9	1.60-1.85	6-20	0.02-0.08	0.0-2.9	---	.20	.24			
EuB: Evesboro-----	0-10	---	---	4-10	1.20-1.50	6-20	0.06-0.09	0.0-2.9	1.0-2.0	.20	.20	4	2	134
	10-72	---	---	2-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Galestown-----	0-29	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	29-52	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
EuD: Evesboro-----	0-10	---	---	4-10	1.20-1.50	6-20	0.06-0.09	0.0-2.9	1.0-2.0	.20	.20	4	2	134
	10-72	---	---	2-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Galestown-----	0-29	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	29-52	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
EuE: Evesboro-----	0-10	---	---	4-10	1.20-1.50	6-20	0.06-0.09	0.0-2.9	1.0-2.0	.20	.20	4	2	134
	10-72	---	---	2-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Galestown-----	0-29	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	29-52	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
EVC:														
Evesboro-----	0-4	---	---	1-4	1.20-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	4-34	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	34-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
Galestown-----	0-22	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	3	2	134
	22-41	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	41-72	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
FaA:														
Fallsington-----	0-7	---	---	5-18	1.00-1.45	0.6-6	0.15-0.20	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	7-30	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
FrA:														
Fallsington-----	0-7	---	---	5-18	1.00-1.45	0.6-6	0.15-0.20	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	7-30	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	30-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
GaB:														
Galestown-----	0-29	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	29-52	---	---	4-10	1.50-1.70	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.17			
	52-72	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
HmB:														
Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
HmC:														
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
HMD:														
Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HME:														
Annapolis-----	0-8	65-71	---	7-20	1.35-1.60	2-6	0.12-0.16	0.0-2.9	0.5-2.0	.24	.28	3	3	86
	8-27	40-46	27-40	12-30	1.45-1.60	0.6-2	0.14-0.18	0.0-2.9	0.2-1.0	.20	.24			
	27-33	51-80	4-29	7-27	1.45-1.60	2-6	0.14-0.18	0.0-2.9	0.0-0.5	.20	.20			
	33-81	---	---	5-20	1.50-1.65	6-20	0.08-0.12	0.0-2.9	0.0-0.2	.17	.17			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HoA:														
Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HoB:														
Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HoC: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HOD: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	5	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HOE: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	4	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			
HOF: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Howell-----	0-5	---	---	15-40	1.10-1.30	0.2-2	0.13-0.24	0.5-5.0	1.0-3.0	.43	.43	4	---	56
	5-17	---	---	20-50	1.30-1.40	0.2-2	0.10-0.20	4.0-7.0	---	.28	.28			
	17-27	---	---	35-50	1.30-1.50	0.2-2	0.10-0.20	5.0-7.0	---	.28	.28			
	27-85	---	---	25-50	1.30-1.50	0.2-2	0.10-0.20	4.0-7.0	---	.28	.32			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MaB: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Marr-----	0-10	51-62	17-29	16-23	1.40-1.60	2-6	0.14-0.20	0.0-2.9	0.5-3.0	.32	.32	5	---	86
	10-40	44-57	17-29	18-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	40-60	50-86	14-29	9-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	60-72	51-86	14-29	9-20	1.40-1.60	2-6	0.10-0.18	0.0-2.9	---	.37	.37			
MaC: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Marr-----	0-10	51-62	17-29	16-23	1.40-1.60	2-6	0.14-0.20	0.0-2.9	0.5-3.0	.32	.32	5	---	86
	10-40	44-57	17-29	18-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	40-60	50-86	14-29	9-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	60-72	51-86	14-29	9-20	1.40-1.60	2-6	0.10-0.18	0.0-2.9	---	.37	.37			
MaD: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Marr-----	0-10	51-62	17-29	16-23	1.40-1.60	2-6	0.14-0.20	0.0-2.9	0.5-3.0	.32	.32	5	---	86
	10-40	44-57	17-29	18-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	40-60	50-86	14-29	9-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	60-72	51-86	14-29	9-20	1.40-1.60	2-6	0.10-0.18	0.0-2.9	---	.37	.37			
MDE: Dodon-----	0-16	50-71	29-38	7-20	1.30-1.55	2-6	0.14-0.18	0.0-2.9	0.5-4.0	.32	.32	5	---	134
	16-56	44-55	27-34	18-30	1.40-1.60	0.6-2	0.14-0.18	0.0-2.9	0.0-0.2	.28	.28			
	56-73	44-50	27-40	7-27	1.40-1.50	2-6	0.12-0.16	0.0-2.9	0.0-0.0	.28	.28			
Marr-----	0-10	51-62	17-29	16-23	1.40-1.60	2-6	0.14-0.20	0.0-2.9	0.5-3.0	.32	.32	5	---	86
	10-40	44-57	17-29	18-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	40-60	50-86	14-29	9-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	60-72	51-86	14-29	9-20	1.40-1.60	2-6	0.10-0.18	0.0-2.9	---	.37	.37			
MDF: Marr-----	0-10	51-62	17-29	16-23	1.40-1.60	2-6	0.14-0.20	0.0-2.9	0.5-3.0	.32	.32	5	---	86
	10-40	44-57	17-29	18-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	40-60	50-86	14-29	9-35	1.40-1.70	0.6-2	0.16-0.24	0.0-2.9	---	.28	.28			
	60-72	51-86	14-29	9-20	1.40-1.60	2-6	0.10-0.18	0.0-2.9	---	.37	.37			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MpD:														
Matapeake-----	0-10	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	10-62	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	0.0-0.5	.43	.43			
	62-72	---	---	2-20	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
MRD:														
Matapeake-----	0-16	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	4	5	56
	16-34	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	34-62	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MtA:														
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MtB:														
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MtC:														
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
MxB:														
Mattapex-----	0-15	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.5-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.5-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.5-0.5	.17	.17			
Butlertown-----	0-16	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	3	---	56
	16-34	---	---	18-27	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43			
	34-49	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43			
	49-60	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43			
MxC:														
Mattapex-----	0-12	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56
	12-37	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.0-0.5	.43	.43			
	37-72	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			

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

Map symbol and soil name	Depth		Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
	In	Pct									Pct	Pct	g/cc		
Butlertown-----	0-16	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	3	---	56	
	16-34	---	---	18-27	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43				
	34-49	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43				
	49-60	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43				
MyB:															
Mattapex-----	0-15	---	---	10-18	1.10-1.45	0.6-2	0.20-0.28	0.0-2.9	0.5-3.0	.43	.43	5	5	56	
	15-36	---	---	18-30	1.25-1.45	0.2-2	0.18-0.22	0.0-2.9	0.5-0.5	.43	.43				
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.5-0.5	.28	.28				
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.5-0.5	.17	.17				
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---	
Butlertown-----	0-16	---	---	11-16	1.35-1.55	0.6-2	0.18-0.21	0.0-2.9	1.0-4.0	.43	.43	3	---	56	
	16-34	---	---	18-27	1.35-1.55	0.6-2	0.16-0.22	0.0-2.9	---	.43	.43				
	34-49	---	---	18-25	1.60-1.80	0.06-0.2	0.10-0.14	0.0-2.9	---	.43	.43				
	49-60	---	---	5-18	1.50-1.70	0.6-2	0.12-0.21	0.0-2.9	---	.43	.43				
MZA:															
Mispillion-----	0-10	---	---	0-0	0.10-0.80	2-6	0.35-0.45	0.0-2.9	20-90	.02	.02	1	8	0	
	10-24	---	---	0-0	0.10-0.80	2-6	0.35-0.45	0.0-2.9	20-90	.02	.02				
	24-40	---	---	0-0	0.10-0.80	2-6	0.35-0.45	0.0-2.9	20-90	.02	.02				
	40-54	---	---	15-35	1.20-1.70	0.2-0.6	0.10-0.20	0.0-2.9	2.0-10	.28	.28				
	54-69	---	---	15-35	1.20-1.70	0.2-0.6	0.10-0.20	0.0-2.9	2.0-10	.28	.28				
	69-80	---	---	15-35	1.20-1.70	0.2-0.6	0.10-0.20	0.0-2.9	2.0-10	.28	.28				
Transquaking-----	0-9	---	---	0-0	0.10-0.50	2-20	0.30-0.60	0.0-2.9	30-80	.02	---	3	8	0	
	9-46	---	---	0-0	0.10-0.50	2-20	0.30-0.60	0.0-2.9	60-80	.02	---				
	46-65	---	---	0-0	0.10-0.50	2-20	0.30-0.60	0.0-2.9	25-80	.05	---				
	65-80	---	---	30-40	0.60-1.00	0.06-0.2	0.10-0.20	3.0-5.9	0.5-20	.10	.10				
NMA:															
Mannington-----	0-14	---	---	8-15	1.00-1.20	0.2-0.6	0.16-0.22	0.0-2.9	3.0-5.0	.37	.37	5	8	0	
	14-32	---	---	20-34	0.40-1.20	0.2-0.6	0.16-0.25	0.0-2.9	0.5-5.0	.43	.43				
	32-52	---	---	---	0.10-0.50	2-20	0.35-0.45	0.0-2.9	25-80	---	.43				
	52-72	---	---	14-24	1.20-1.40	0.2-6	0.11-0.18	0.0-2.9	0.5-5.0	.43	---				
Nanticoke-----	0-50	---	---	8-15	0.10-0.70	0.2-0.6	0.15-0.25	0.0-2.9	3.0-10	.28	.28	5	8	0	
	50-64	---	---	18-25	0.10-0.70	0.2-0.6	0.10-0.20	0.0-2.9	0.5-5.0	.37	.37				
	64-90	---	---	27-35	0.10-0.80	0.2-0.6	0.10-0.20	0.0-2.9	0.5-5.0	.37	.37				
PeB:															
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160	
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10				
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20				
	68-80	20-47	27-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24				

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Evesboro-----	0-16	---	---	1-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.0-1.0	.17	.17	5	2	134
	16-30	---	---	3-6	1.10-1.55	6-20	0.04-0.09	0.0-2.9	---	.17	.17			
	30-72	---	---	1-5	1.10-1.60	6-20	0.04-0.10	0.0-2.9	---	.17	.17			
Fort Mott-----	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-44	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	44-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
PfB: Fort Mott-----	0-22	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	22-40	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	40-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10			
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20			
	68-80	20-47	25-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24			
PfC: Fort Mott-----	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-44	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	44-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10			
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20			
	68-80	20-47	25-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24			
PfD: Fort Mott-----	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-44	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	44-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10			
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20			
	68-80	20-47	25-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24			
PgB: Fort Mott-----	0-22	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	22-40	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	40-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10			
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20			
	68-80	20-47	25-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
PgD: Fort Mott-----	0-26	---	---	5-10	1.25-1.60	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.20	.20	5	2	134
	26-44	---	---	10-30	1.25-1.80	0.6-6	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	44-72	---	---	5-15	1.30-1.80	6-20	0.03-0.12	0.0-2.9	0.0-0.5	.17	.17			
Patapsco-----	0-13	80-95	---	0-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.2-1.0	.10	.10	5	1	160
	13-36	---	---	1-7	1.60-1.80	6-20	0.03-0.10	0.0-2.9	0.1-0.5	.05	.10			
	36-68	---	---	12-30	1.50-1.65	2-6	0.10-0.14	0.0-2.9	0.0-0.2	.17	.20			
	68-80	20-47	25-50	20-40	1.45-1.60	0.2-6	0.10-0.16	0.0-2.9	0.0-0.2	.20	.24			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
PpA: Pepperbox-----	0-40	---	---	0-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	40-60	---	---	35-60	1.50-1.70	0.0015-0.2	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
PrB: Pepperbox-----	0-40	---	---	0-4	1.10-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	40-60	---	---	35-60	1.50-1.70	0.0015-0.2	0.16-0.20	3.0-5.9	0.0-0.5	.37	.37			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
PT: Gravel And Borrow Pits-----	0-8	---	---	3-8	1.40-1.65	6-20	0.05-0.10	0.0-2.9	0.0-1.0	.10	.15	5	2	134
	8-72	---	---	3-20	1.55-1.80	2-20	0.05-0.20	0.0-2.9	0.0-0.5	.15	.24			
RfA: Russett-----	0-4	51-71	29-40	3-20	1.30-1.60	0.6-6	0.12-0.18	0.0-2.9	0.5-2.0	.28	.32	5	3	134
	4-46	19-46	27-50	15-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.5	.24	.28			
	46-77	14-46	27-56	12-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.1	.20	.24			
RfB: Russett-----	0-4	51-71	29-40	3-20	1.30-1.60	0.6-6	0.12-0.18	0.0-2.9	0.5-2.0	.28	.32	5	3	134
	4-46	19-46	27-50	15-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.5	.24	.28			
	46-77	14-46	27-56	12-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.1	.20	.24			
RhB: Russett-----	0-4	51-71	29-40	3-20	1.30-1.60	0.6-6	0.12-0.18	0.0-2.9	0.5-2.0	.28	.32	5	3	134
	4-46	19-46	27-50	15-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.5	.24	.28			
	46-77	14-46	27-56	12-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.1	.20	.24			
Alloway-----	0-6	---	---	10-26	1.20-1.45	0.2-2	0.16-0.20	0.0-2.9	0.0-1.0	.43	.43	---	---	---
	6-75	---	---	25-70	1.10-1.30	0.06-0.2	0.17-0.21	0.0-2.9	0.0-0.0	.43	.43			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
RyB: Russett-----	0-4	51-71	29-40	3-20	1.30-1.60	0.6-6	0.12-0.18	0.0-2.9	0.5-2.0	.28	.32	5	3	134
	4-46	19-46	27-50	15-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.5	.24	.28			
	46-77	14-46	27-56	12-35	1.40-1.60	0.06-0.6	0.14-0.18	0.0-2.9	0.0-0.1	.20	.24			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
SaB: Sassafras-----	0-15	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	15-37	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	37-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaD: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			
SfB: Sassafras-----	0-10	---	---	3-12	1.00-1.45	0.6-2	0.12-0.20	0.0-2.9	1.0-2.0	.28	.28	5	5	56
	10-50	---	---	18-27	1.40-1.65	0.6-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	50-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
ShA: Hambrook-----	0-6	---	---	12-18	1.30-1.60	0.6-6	0.12-0.20	0.0-2.9	0.5-3.0	.28	.28	4	5	56
	6-10	---	---	10-18	1.45-1.65	0.6-6	0.10-0.16	0.0-2.9	0.0-0.5	.24	.24			
	10-49	---	---	18-27	1.35-1.70	0.6-2	0.14-0.22	0.0-2.9	0.0-0.5	.37	.37			
	49-72	---	---	15-30	1.50-1.70	0.0015-0.6	0.12-0.24	0.0-2.9	0.0-0.5	.49	.49			
Sassafras-----	0-15	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	15-37	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	37-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SME: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			
Croom-----	0-12	---	---	10-23	1.20-1.40	0.6-2	0.10-0.18	0.0-2.9	1.0-3.0	.43	.49	5	---	56
	12-28	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	28-48	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	48-99	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
SMF: Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Croom-----	0-12	---	---	10-23	1.20-1.40	0.6-2	0.10-0.18	0.0-2.9	1.0-3.0	.43	.49	5	---	56
	12-28	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	28-48	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	48-99	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
SnB:														
Sassafras-----	0-15	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	15-37	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	37-72	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
SnD:														
Sassafras-----	0-9	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.5-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.5-0.5	.17	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
SoA:														
Elkton-----	0-20	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	20-47	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	47-58	---	---	27-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-72	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
Shadyoak-----	0-9	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	9-29	---	---	26-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	29-58	19-46	27-51	26-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-80	49-65	18-51	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
SpA:														
Shadyoak-----	0-9	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	9-29	---	---	26-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	29-58	19-46	27-51	26-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-80	49-65	18-51	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
Elkton-----	0-20	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	20-47	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	47-58	---	---	27-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-72	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
SrA:														
Elkton-----	0-20	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	20-47	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	47-58	---	---	27-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-72	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Shadyoak-----	0-9	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	4	5	56
	9-29	---	---	26-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	29-58	19-46	27-51	26-45	1.35-1.55	0.06-0.2	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	58-80	49-65	18-51	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
SsA: Shrewsbury-----	0-14	---	---	5-20	1.20-1.70	0.6-6	0.16-0.20	0.0-2.9	3.0-5.0	.32	.32	5	3	86
	14-32	---	---	15-35	1.20-1.70	0.2-2	0.13-0.17	3.0-5.9	---	.28	.28			
	32-60	---	---	5-15	1.40-1.70	2-20	0.07-0.15	0.0-2.9	---	.20	.20			
TsB: Tinton-----	0-32	---	---	1-7	0.90-1.65	0.6-6	0.04-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	32-46	---	---	5-30	1.20-1.65	2-6	0.14-0.18	0.0-2.9	0.0-0.0	.32	.32			
	46-60	---	---	2-15	1.35-1.65	0.6-6	0.06-0.12	0.0-2.9	0.0-0.0	.20	.20			
TsC: Tinton-----	0-32	---	---	1-7	0.90-1.65	0.6-6	0.04-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	32-46	---	---	5-30	1.20-1.65	2-6	0.14-0.18	0.0-2.9	---	.32	.32			
	46-60	---	---	2-15	1.35-1.65	0.6-6	0.06-0.12	0.0-2.9	---	.20	.20			
TuB: Tinton-----	0-32	---	---	1-7	0.90-1.65	0.6-6	0.04-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	32-46	---	---	5-30	1.20-1.65	2-6	0.14-0.18	0.0-2.9	0.0-0.0	.32	.32			
	46-60	---	---	2-15	1.35-1.65	0.6-6	0.06-0.12	0.0-2.9	0.0-0.0	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
TuC: Tinton-----	0-32	---	---	1-7	0.90-1.65	0.6-6	0.04-0.10	0.0-2.9	0.5-1.0	.20	.20	5	2	134
	32-46	---	---	5-30	1.20-1.65	2-6	0.14-0.18	0.0-2.9	---	.32	.32			
	46-60	---	---	2-15	1.35-1.65	0.6-6	0.06-0.12	0.0-2.9	---	.20	.20			
Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
UfG: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UoB: Udorthents-----	0-2	---	---	6-15	---	0.06-0.6	0.10-0.13	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	2-65	---	---	8-20	---	0.06-0.6	0.12-0.15	3.0-5.9	1.0-2.0	.28	.28			
UoD: Udorthents-----	0-2	---	---	6-15	---	0.06-0.6	0.10-0.13	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	2-65	---	---	8-20	---	0.06-0.6	0.12-0.15	3.0-5.9	1.0-2.0	.28	.28			

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
UoE: Udorthents-----	0-2 2-65	---	---	6-15 8-20	---	0.06-0.6 0.06-0.6	0.10-0.13 0.12-0.15	0.0-2.9 3.0-5.9	1.0-2.0 1.0-2.0	.28 .28	.28 .28	5	3	86
UpB: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UpC: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UxB: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UxD: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UxE: Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Uz: Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
W: Water-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WBA: Widewater-----	0-16 16-40 40-56 56-70	---	---	10-20 15-35 10-35 5-45	1.20-1.40 1.20-1.40 1.20-1.50 1.10-1.60	0.6-2 0.6-2 0.6-2 2-6	0.16-0.22 0.16-0.20 0.10-0.14 0.04-0.08	0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9	1.0-4.0 --- --- ---	.49 .32 .20 .20	.37 .20 .20 ---	5	---	56
Issue-----	0-13 13-22 22-60	---	---	6-15 8-18 5-15	---	0.6-2 0.6-2 0.6-2	0.15-0.20 0.10-0.20 0.10-0.20	0.0-2.9 0.0-2.9 0.0-2.9	0.5-2.0 --- ---	.37 .28 .20	.37 .28 .20	5	---	48
WdA: Woodstown-----	0-11 11-29 29-70	---	---	5-18 18-30 5-20	1.00-1.40 1.35-1.70 1.35-1.65	0.6-6 0.2-6 0.6-6	0.08-0.16 0.06-0.16 0.06-0.16	0.0-2.9 0.0-2.9 0.0-2.9	1.0-2.0 0.0-0.5 0.0-0.5	.24 .28 .28	.24 .28 .28	5	3	86
WdB: Woodstown-----	0-8 8-16 16-36 36-55 55-72	---	---	5-10 15-30 15-30 15-30 2-15	1.45-1.55 1.35-1.45 1.35-1.45 1.35-1.45 1.50-1.65	2-20 0.6-2 0.6-2 0.6-2 2-20	0.08-0.14 0.12-0.19 0.12-0.19 0.12-0.19 0.05-0.13	0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9 0.0-2.9	1.0-2.0 0.5-1.0 0.5-1.0 0.5-1.0 0.0-0.5	.32 .32 .32 .32 .24	.32 .32 .32 .32 .24	5	3	86

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

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
WrB: Urban Land-----	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	11-29	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	29-70	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
ZBA: Zekiah-----	0-3	---	---	8-15	1.20-1.50	0.6-2	0.12-0.22	0.0-2.9	5.0-18	.43	.43	1	8	0
	3-20	---	---	8-18	1.20-1.50	0.6-2	0.10-0.20	0.0-2.9	1.0-5.0	.43	.43			
	20-27	---	---	5-15	1.30-1.50	2-6	0.10-0.20	0.0-2.9	2.0-18	.28	.28			
	27-37	---	---	5-15	1.30-1.60	2-6	0.08-0.15	0.0-2.9	1.0-18	.24	.24			
	37-50	---	---	5-18	1.30-1.60	2-6	0.10-0.20	0.0-2.9	1.0-5.0	.15	.15			
	50-72	---	---	2-8	1.50-1.70	2-20	0.05-0.10	0.0-2.9	1.0-5.0	.15	.15			
Issue-----	0-13	---	---	6-15	---	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.37	.37	5	---	48
	13-22	---	---	8-18	---	0.6-2	0.10-0.20	0.0-2.9	---	.28	.28			
	22-60	---	---	5-15	---	0.6-2	0.10-0.20	0.0-2.9	---	.20	.20			

