

Harford County Area, Maryland
Table J1b.--Physical Properties of the Soils

Print date: 08/19/2002

(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: Aldino-----	0-10	---	---	8-18	1.20-1.40	0.6-6	0.16-0.27	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	10-22	---	---	18-32	1.30-1.50	0.6-2	0.12-0.24	3.0-5.9	---	.43	.43			
	22-36	---	---	18-32	1.40-1.70	0.06-0.2	0.06-0.10	0.0-2.9	---	.43	.43			
	36-60	---	---	15-27	1.30-1.50	0.6-2	0.10-0.14	0.0-2.9	---	.43	.43			
AdB: Aldino-----	0-10	---	---	8-18	1.20-1.40	0.6-6	0.16-0.27	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	10-22	---	---	18-32	1.30-1.50	0.6-2	0.12-0.24	3.0-5.9	---	.43	.43			
	22-36	---	---	18-32	1.40-1.70	0.06-0.2	0.06-0.10	0.0-2.9	---	.43	.43			
	36-60	---	---	15-27	1.30-1.50	0.6-2	0.10-0.14	0.0-2.9	---	.43	.43			
AdC: Aldino-----	0-10	---	---	8-18	1.20-1.40	0.6-6	0.16-0.27	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	10-22	---	---	18-32	1.30-1.50	0.6-2	0.12-0.24	3.0-5.9	---	.43	.43			
	22-36	---	---	18-32	1.40-1.70	0.06-0.2	0.06-0.10	0.0-2.9	---	.43	.43			
	36-60	---	---	15-27	1.30-1.50	0.6-2	0.10-0.14	0.0-2.9	---	.43	.43			
AsB: Aldino-----	0-10	---	---	8-18	1.20-1.40	0.6-6	0.16-0.27	0.0-2.9	1.0-3.0	.37	.43	4	8	0
	10-22	---	---	18-32	1.30-1.50	0.6-2	0.12-0.24	3.0-5.9	---	.37	.37			
	22-36	---	---	18-32	1.40-1.70	0.06-0.2	0.06-0.10	0.0-2.9	---	.37	.43			
	36-60	---	---	15-27	1.30-1.50	0.6-2	0.10-0.14	0.0-2.9	---	.37	.43			
	60-64	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
Av: Alluvial Land-----	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.43	.43	5	---	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	---	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
BaA: Baile-----	0-9	---	---	15-32	1.20-1.40	0.2-0.6	0.16-0.25	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	9-32	---	---	10-35	1.30-1.60	0.06-0.2	0.12-0.24	3.0-5.9	0.0-0.5	.43	.43			
	32-60	---	---	10-25	1.30-1.60	0.06-0.6	0.10-0.24	0.0-2.9	0.0-0.5	.43	.43			
BaB: Baile-----	0-9	---	---	15-32	1.20-1.40	0.2-0.6	0.16-0.25	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	9-32	---	---	10-35	1.30-1.60	0.06-0.2	0.12-0.24	3.0-5.9	0.0-0.5	.43	.43			
	32-60	---	---	10-25	1.30-1.60	0.06-0.6	0.10-0.24	0.0-2.9	0.0-0.5	.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		
BeA: Beltsville-----	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
	0-14	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	14-25	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	25-50	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	50-72	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
BeB: Beltsville-----	0-14	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	14-25	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	25-50	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	50-72	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
BeC: Beltsville-----	0-14	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	14-25	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	25-50	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	50-72	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
BrC2: Brandywine-----	0-8	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	---	56
	8-12	---	---	7-18	1.20-1.40	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.24			
	12-25	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
	25-65	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
BrD3: Brandywine-----	0-8	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	4	5	56
	8-12	---	---	7-18	1.20-1.40	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.24			
	12-25	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
	25-65	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
BrE3: Brandywine-----	0-8	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	4	5	56
	8-12	---	---	7-18	1.20-1.40	2-6	0.10-0.16	0.0-2.9	0.0-0.5	.20	.24			
	12-25	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
	25-65	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
CcA: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			
CcB2: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			

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					
CcC2: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			
CgB2: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.28	.32	5	5	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			
CgC2: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.28	.32	5	5	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			
CgD2: Chester-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.28	.32	5	5	56
	8-42	---	---	18-35	1.20-1.50	0.6-2	0.10-0.14	0.0-2.9	0.0-0.5	.43	.43			
	42-62	---	---	10-24	1.40-1.60	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.49			
ChB2: Chillum-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	8-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-72	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
CkC2: Chillum-----	0-8	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	8-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-72	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	54-58	---	---	---	---	0.2-2	---	---	---	---	---			
CrE: Chrome-----	0-7	---	---	15-35	1.20-1.40	0.6-2	0.12-0.16	0.0-2.9	1.0-3.0	.24	.32	2	---	48
	7-15	---	---	28-45	1.40-1.60	0.6-2	0.12-0.16	3.0-5.9	---	.17	.20			
	15-30	---	---	20-45	1.40-1.60	0.6-2	0.10-0.16	3.0-5.9	---	.17	.24			
	30-34	---	---	---	---	0.06-2	---	---	---	---	---			
Cu: 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					
Cv: 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			
Cx: Cut And Fill Land---	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	---	---	---
DcA: Delanco-----	0-13	---	---	5-20	1.10-1.30	0.6-2	0.14-0.24	0.0-2.9	2.0-4.0	.37	.37	5	5	56
	13-39	---	---	18-30	1.40-1.60	0.2-0.6	0.18-0.22	3.0-5.9	---	.32	.32			
	39-72	---	---	5-27	1.50-1.70	0.6-2	0.10-0.22	0.0-2.9	---	.28	.32			
DcB: Delanco-----	0-13	---	---	5-20	1.10-1.30	0.6-2	0.14-0.24	0.0-2.9	2.0-4.0	.37	.37	5	5	56
	13-39	---	---	18-30	1.40-1.60	0.2-0.6	0.18-0.22	3.0-5.9	---	.32	.32			
	39-72	---	---	5-27	1.50-1.70	0.6-2	0.10-0.22	0.0-2.9	---	.28	.32			
EhB2: Elioak-----	0-15	---	---	15-27	1.25-1.40	0.6-2	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	5	56
	15-42	---	---	30-60	1.30-1.60	0.2-2	0.08-0.12	0.0-2.9	0.0-0.5	.37	.37			
	42-65	---	---	15-27	1.25-1.40	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.55			
EhC2: Elioak-----	0-15	---	---	15-27	1.25-1.40	0.6-2	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	5	56
	15-42	---	---	30-60	1.30-1.60	0.2-2	0.08-0.12	0.0-2.9	0.0-0.5	.37	.37			
	42-65	---	---	15-27	1.25-1.40	0.6-2	0.08-0.12	0.0-2.9	0.0-0.5	.49	.55			
En: Elkton-----	0-10	---	---	11-25	1.20-1.50	0.6-2	0.18-0.24	0.0-2.9	1.0-4.0	.43	.43	5	5	56
	10-24	---	---	27-35	1.35-1.55	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.37	.37			
	24-40	---	---	27-45	1.35-1.55	0.0015-0.06	0.12-0.19	3.0-5.9	0.0-0.5	.32	.32			
	40-65	---	---	15-20	1.45-1.65	0.2-0.6	0.10-0.15	0.0-2.9	0.0-0.5	.32	.32			
EsA: Elsinboro-----	0-15	---	---	8-18	1.25-1.40	0.6-2	0.10-0.18	0.0-2.9	1.0-3.0	.37	.37	5	5	56
	15-36	---	---	18-34	1.30-1.50	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	36-60	---	---	8-34	1.35-1.55	0.6-6	0.06-0.14	0.0-2.9	0.0-0.5	.17	.20			
EsB2: Elsinboro-----	0-15	---	---	8-18	1.25-1.40	0.6-2	0.10-0.18	0.0-2.9	1.0-3.0	.37	.37	5	5	56
	15-36	---	---	18-34	1.30-1.50	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	36-60	---	---	8-34	1.35-1.55	0.6-6	0.06-0.14	0.0-2.9	0.0-0.5	.17	.20			
EsC2: Elsinboro-----	0-15	---	---	8-18	1.25-1.40	0.6-2	0.10-0.18	0.0-2.9	1.0-3.0	.37	.37	5	5	56
	15-36	---	---	18-34	1.30-1.50	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	36-60	---	---	8-34	1.35-1.55	0.6-6	0.06-0.14	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					
EvC: Evesboro-----	0-16	---	---	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
	16-40	---	---	3-6	1.30-1.60	6-20	0.04-0.09	0.0-2.9	0.0-0.5	.17	.17			
	40-72	---	---	1-10	1.30-1.60	2-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.17			
Fs: Fallsington-----	0-10	---	---	5-18	1.00-1.45	0.6-2	0.18-0.24	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	10-32	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-72	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
GcB2: Gleneig-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GcC2: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GcC3: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GcD2: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GcD3: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GgB2: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.32	.32	5	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GgC2: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.32	.32	5	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			

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					
GgC3: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GgD2: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.32	.32	5	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GgD3: Glenelg-----	0-6	---	---	15-25	1.10-1.40	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	6-24	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	24-65	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GnA: Glenville-----	0-9	---	---	10-20	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	3	---	56
	9-18	---	---	20-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.24	.28			
	18-40	---	---	20-35	1.60-1.80	0.06-0.6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	40-62	---	---	5-25	1.40-1.60	0.2-0.6	0.06-0.12	0.0-2.9	0.0-0.5	.24	.32			
GnB: Glenville-----	0-9	---	---	10-20	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	3	---	56
	9-18	---	---	20-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.24	.28			
	18-40	---	---	20-35	1.60-1.80	0.06-0.6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	40-62	---	---	5-25	1.40-1.60	0.2-0.6	0.06-0.12	0.0-2.9	0.0-0.5	.24	.32			
Hb: 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	5	---	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	---			
JpB: Joppa-----	0-13	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	13-23	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	23-72	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
JpC: Joppa-----	0-13	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	13-23	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	23-72	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.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		
KeB: Kelly-----	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
	0-9	---	---	10-27	1.20-1.40	0.6-2	0.13-0.21	0.0-2.9	0.5-2.0	.37	.37	3	---	56
	9-38	---	38-41	35-60	1.20-1.40	0.06-0.2	0.11-0.21	6.0-8.9	---	.28	.28			
	38-41	---	---	20-50	1.30-1.60	0.06-2	0.11-0.21	6.0-8.9	---	.24	.28			
	41-45	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
	45-49	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
KeC2: Kelly-----	0-9	---	---	18-30	1.10-1.30	0.2-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	3	---	48
	9-27	---	---	25-35	1.30-1.55	0.06-0.2	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
	27-32	---	---	22-35	1.30-1.55	0.06-0.2	0.15-0.19	3.0-5.9	0.0-0.5	.43	.43			
	32-60	---	---	18-30	1.30-1.50	0.2-2	0.12-0.18	0.0-2.9	0.0-0.5	.37	.43			
KfD: Kelly-----	0-8	---	---	10-20	1.20-1.30	0.6-2	0.10-0.18	0.0-2.9	2.0-3.0	.24	.32	3	---	0
	8-36	---	---	17-32	1.30-1.50	0.6-2	0.08-0.14	0.0-2.9	0.0-0.5	.24	.28			
	36-46	---	---	17-32	1.30-1.50	0.6-2	0.03-0.10	0.0-2.9	0.0-0.5	.24	.32			
	46-50	---	---	---	---	0.6-6	---	---	---	---	---			
KpA: Keyport-----	0-10	---	---	10-25	1.20-1.60	0.2-2	0.16-0.22	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	10-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
	60-72	---	---	5-50	1.35-1.75	0.06-20	0.07-0.20	0.0-2.9	0.0-0.5	.28	.28			
KpB: Keyport-----	0-10	---	---	10-25	1.20-1.60	0.2-2	0.16-0.22	0.0-2.9	1.0-3.0	.43	.43	3	5	56
	10-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
	60-72	---	---	5-50	1.35-1.75	0.06-20	0.07-0.20	0.0-2.9	0.0-0.5	.28	.28			
KrA: Kinkora-----	0-12	---	---	15-27	1.25-1.55	0.2-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	5	---	56
	12-30	---	---	35-55	1.20-1.50	0.06-0.2	0.15-0.21	6.0-8.9	---	.28	.28			
	30-36	---	---	20-40	1.25-1.50	0.6-2	0.14-0.20	0.0-2.9	---	.28	.28			
	36-60	---	---	---	---	---	---	---	---	---	---			
KrB: Kinkora-----	0-12	---	---	15-27	1.25-1.55	0.2-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	5	---	56
	12-30	---	---	35-55	1.20-1.50	0.06-0.2	0.15-0.21	6.0-8.9	---	.28	.28			
	30-36	---	---	20-40	1.25-1.50	0.6-2	0.14-0.20	0.0-2.9	---	.28	.28			
	36-60	---	---	---	---	---	---	---	---	---	---			
LeB2: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			

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					
LeC2: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			
LeD2: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			
LeE: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			
LfC: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.24	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	1.0-3.0	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
LfD: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.24	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	1.0-3.0	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
LfE: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.24	.32	5	---	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	1.0-3.0	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
LgC3: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			
LgD3: Legore-----	0-10	---	---	12-34	1.20-1.40	0.6-6	0.12-0.24	0.0-2.9	1.0-3.0	.32	.32	4	6	48
	10-24	---	---	27-34	1.40-1.60	0.6-2	0.12-0.24	3.0-5.9	0.0-0.5	.17	.20			
	24-66	---	---	18-34	1.40-1.60	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.28	.32			
	66-70	---	---	---	---	0.0000-0.0000	---	---	0.0-0.5	---	---			

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					
Lr: Leonardtown-----	0-12	---	---	8-22	1.40-1.70	0.6-2	0.18-0.24	0.0-2.9	0.5-6.0	.43	.43	3	---	56
	12-49	---	---	15-35	1.70-1.90	0.06-0.2	0.08-0.12	0.0-2.9	0.0-0.5	.32	.32			
	49-70	---	---	10-30	1.60-1.90	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
LyB: Loamy And Clayey Lan	0-28	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	3	---	134
	28-36	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	36-60	---	---	---	---	0.06-0.6	0.12-0.18	3.0-5.9	---	.28	.28			
LyD: Loamy And Clayey Lan	0-28	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	3	---	134
	28-36	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	36-60	---	---	---	---	0.06-0.6	0.12-0.18	3.0-5.9	---	.28	.28			
LyE: Loamy And Clayey Lan	0-28	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	3	---	134
	28-36	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	36-60	---	---	---	---	0.06-0.6	0.12-0.18	3.0-5.9	---	.28	.28			
MbB2: Manor-----	0-10	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MbC2: Manor-----	0-10	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MbC3: Manor-----	0-10	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	4	6	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MbD2: Manor-----	0-10	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MbD3: Manor-----	0-10	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	4	6	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			

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		
McB2: Manor-----	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
McC2: Manor-----	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
McC3: Manor-----	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	4	6	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
McD2: Manor-----	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
McD3: Manor-----	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	4	6	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MdE: Manor-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			
MfE: Manor-----	0-10	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MgC: Glenelg-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			
Manor-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			

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					
MgD: Glenelg-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			
Manor-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			
MkA: 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	5	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			
MkB: 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	5	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			
MlA: 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	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
MlB: 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	0.0-0.5	.43	.43			
	36-60	---	---	8-15	1.45-1.65	0.6-6	0.14-0.18	0.0-2.9	0.0-0.5	.28	.28			
	60-65	---	---	3-8	1.50-1.80	6-20	0.05-0.08	0.0-2.9	0.0-0.5	.17	.17			
MsA: Montalto-----	0-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	0.0-0.5	.28	.28			
MsB2: Montalto-----	0-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	0.0-0.5	.28	.28			
MsC2: Montalto-----	0-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.16	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	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					
NeA: Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	54-58	---	---	---	---	0.2-2	---	---	---	---	---			
NeB2: Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	54-58	---	---	---	---	0.2-2	---	---	---	---	---			
NeC2: Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	54-58	---	---	---	---	0.2-2	---	---	---	---	---			
NsC: Montalto-----	0-7	---	---	18-27	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	7-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	3.0-5.9	0.0-0.5	.28	.28			
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.21	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	0.0-0.5	.28	.28			
Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	---	.24	.32	3	---	0
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	---	.17	.20			
	54-58	---	---	---	---	0.2-2	0.00-0.00	---	---	---	---			
NsD: Montalto-----	0-7	---	---	18-27	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	7-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	3.0-5.9	0.0-0.5	.28	.28			
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.21	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	0.0-0.5	.28	.28			
Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	---	.24	.32	3	---	0
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	---	.17	.20			
	54-58	---	---	---	---	0.2-2	0.00-0.00	---	---	---	---			
NsE: Montalto-----	0-7	---	---	18-27	1.40-1.70	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	7-11	---	---	18-35	1.40-1.70	0.6-6	0.12-0.16	3.0-5.9	0.0-0.5	.28	.28			
	11-45	---	---	30-55	1.60-1.90	0.2-0.6	0.14-0.21	6.0-8.9	0.0-0.5	.28	.28			
	45-65	---	---	20-40	1.60-1.80	0.6-2	0.14-0.21	3.0-5.9	0.0-0.5	.28	.28			
Neshaminy-----	0-11	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	---	.24	.32	3	---	0
	11-54	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	---	.17	.20			
	54-58	---	---	---	---	0.2-2	0.00-0.00	---	---	---	---			

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					
Ot:														
Othello-----	0-9	---	---	15-28	1.20-1.50	0.6-2	0.16-0.24	0.0-2.9	1.0-2.0	.37	.37	5	5	56
	9-29	---	---	18-30	1.40-1.70	0.2-0.6	0.12-0.24	0.0-2.9	0.0-0.5	.43	.43			
	29-50	---	---	12-27	1.65-1.80	0.2-2	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	50-72	---	---	4-10	1.65-1.80	2-6	0.06-0.10	0.0-2.9	0.0-0.5	.15	.15			
Sa:														
Sand And Gravel Pits	0-6	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	0.0-0.1	.02	---	--	8	0
	6-60	---	---	0-1	---	6-20	0.01-0.02	0.0-2.9	---	.02	---			
ShB2:														
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	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
ShC2:														
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	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SlB2:														
Sassafras-----	0-9	---	---	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
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SlC2:														
Sassafras-----	0-9	---	---	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
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SsD:														
Joppa-----	0-13	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	13-23	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	23-72	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
Sassafras-----	0-9	---	---	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
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SsE:														
Joppa-----	0-13	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	13-23	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	23-72	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
Sassafras-----	0-9	---	---	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
	9-40	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	40-70	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	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					
St: Stony Land-----	0-10	---	---	10-25	1.10-1.45	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.32	.37	5	---	56
	10-20	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	20-72	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.49			
Sw: Swamp-----	0-39	---	---	0-0	0.30-0.65	6-20	0.30-0.40	---	20-95	.05	---	2	2	134
	39-60	---	---	0-10	1.10-1.70	2-20	0.04-0.08	0.0-2.9	0.5-1.0	.17	.20			
Tm: Tidal Marsh-----	0-16	---	---	0-0	0.10-0.60	0.6-2	0.22-0.26	0.0-2.9	20-65	---	---	---	8	0
	16-41	---	---	0-0	0.10-1.00	0.6-2	0.22-0.26	0.0-2.9	---	---	---			
	41-63	---	---	5-40	1.20-1.50	0.6-2	0.08-0.20	0.0-2.9	---	.17	.17			
	63-80	---	---	---	---	0.06-20	---	---	---	---	---			
WaA: Watchung-----	0-9	---	---	15-40	1.20-1.40	0.2-2	0.14-0.21	0.0-2.9	1.0-3.0	.43	.43	5	---	48
	9-51	---	---	39-65	1.20-1.50	0.06-0.2	0.10-0.21	3.0-5.9	0.0-0.5	.37	.37			
	51-66	---	---	15-40	1.20-1.50	0.2-2	0.12-0.21	3.0-5.9	0.0-0.5	.37	.37			
WaB: Watchung-----	0-9	---	---	15-40	1.20-1.40	0.2-2	0.14-0.21	0.0-2.9	1.0-3.0	.43	.43	5	---	48
	9-51	---	26-41	39-65	1.20-1.50	0.06-0.2	0.10-0.21	3.0-5.9	0.0-0.5	.37	.37			
	51-66	---	---	15-40	1.20-1.50	0.2-2	0.12-0.21	3.0-5.9	0.0-0.5	.37	.37			
WcB: Watchung-----	0-9	---	---	15-40	1.20-1.40	0.2-2	0.14-0.28	0.0-2.9	1.0-3.0	.43	.43	5	---	48
	9-51	---	26-41	39-65	1.20-1.50	0.06-0.2	0.10-0.24	3.0-5.9	---	.37	.37			
	51-66	---	---	15-40	1.20-1.50	0.2-2	0.12-0.24	3.0-5.9	---	.37	.37			
WhB: Whiteford-----	0-10	---	---	10-25	---	0.6-2	0.12-0.24	0.0-2.9	---	.32	.32	3	---	48
	10-37	---	---	---	---	0.6-2	0.10-0.24	0.0-2.9	---	.28	.32			
	37-40	---	---	---	---	0.6-6	0.07-0.12	0.0-2.9	---	.20	.28			
	40-44	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
WhC2: Whiteford-----	0-10	---	---	10-25	---	0.6-2	0.12-0.24	0.0-2.9	---	.32	.32	3	---	48
	10-37	---	---	---	---	0.6-2	0.10-0.24	0.0-2.9	---	.28	.32			
	37-40	---	---	---	---	0.6-6	0.07-0.12	0.0-2.9	---	.20	.28			
	40-44	---	---	---	---	0.0000-0.0000	---	---	---	---	---			
WoB: Woodstown-----	0-11	---	---	5-18	1.00-1.40	0.6-2	0.10-0.21	0.0-2.9	1.0-2.0	.32	.32	5	5	56
	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			

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					

