Print date: 08/30/2002

(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 | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| AmB: | | | | | | | | | | | | | | |
| Airmont | 0-11 | --- | --- | 5-15 | 1.00-1.20 | 2-6 | 0.09-0.12 | 0.0-2.9 | 2.0-4.0 | .15 | .17 | 4 | 3 | 86 |
| | 11-27 | --- | --- | 20-35 | 1.20-1.50 | 2-6 | 0.08-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .17 | | | |
| | 27-45 | --- | --- | 10-27 | 1.70-1.90 | 0.06-0.2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .17 | | | |
| | 45-65 | --- | --- | 10-35 | 1.20-1.50 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .05 | .17 | | | |
| AmD: | | | | | | | | | | | | | | |
| Airmont | 0-11 | --- | --- | 5-15 | 1.00-1.20 | 2-6 | 0.09-0.12 | 0.0-2.9 | 2.0-4.0 | .15 | .17 | 4 | 3 | 86 |
| | 11-27 | --- | --- | 20-35 | 1.20-1.50 | 2-6 | 0.08-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .17 | | | |
| | 27-45 | --- | --- | 10-27 | 1.70-1.90 | 0.06-0.2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .17 | | | |
| | 45-65 | --- | --- | 10-35 | 1.20-1.50 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .05 | .17 | | | |
| AnB: | | | | | | | | | | | | | | |
| Andover | 0-4 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.08-0.20 | 0.0-2.9 | 1.0-4.0 | .17 | .28 | 3 | 8 | 0 |
| | 4-19 | --- | --- | 18-35 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .20 | | | |
| | 19-46 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.2 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .20 | | | |
| | 46-65 | --- | --- | 18-40 | 1.40-1.70 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .20 | | | |
| Buchanan | 0-2 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-4.0 | .24 | .32 | 4 | 8 | 0 |
| | 2-32 | --- | --- | 18-30 | 1.30-1.60 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 18-35 | 1.40-1.70 | 0.06-0.2 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| At: | | | | | | | | | | | | | | |
| Atkins | 0-4 | --- | --- | 18-30 | 1.20-1.40 | 0.6-2 | 0.14-0.22 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 4 | 8 | 0 |
| | 4-36 | --- | --- | 18-35 | 1.20-1.50 | 0.06-2 | 0.14-0.18 | 0.0-2.9 | 0.2-0.5 | .32 | .37 | | | |
| | 36-70 | --- | --- | 10-35 | 1.20-1.50 | 0.2-6 | 0.08-0.18 | 0.0-2.9 | 0.2-0.5 | .28 | .43 | | | |
| BaB: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 5 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |
| BaC: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 5 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| BaD: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 5 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |
| BbD: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 3 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |
| BbE: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 3 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |
| Bc: | | | | | | | | | | | | | | |
| Basher | 0-9 | --- | --- | 6-18 | 1.15-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 5 | 56 |
| | 9-27 | --- | --- | 6-18 | 1.15-1.45 | 0.6-2 | 0.10-0.19 | 0.0-2.9 | 0.0-3.0 | .32 | .32 | | | |
| | 27-42 | --- | --- | 6-18 | 1.25-1.55 | 0.2-2 | 0.10-0.19 | 0.0-2.9 | 0.0-0.8 | .32 | .32 | | | |
| | 42-60 | --- | --- | 1-8 | 1.25-1.55 | 0.6-6 | 0.02-0.07 | 0.0-2.9 | 0.0-0.5 | .17 | .20 | | | |
| BeB: | | | | | | | | | | | | | | |
| Berks | 0-9 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 9-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | --- | --- | 0.2-6 | --- | --- | --- | --- | --- | | | |
| BeC: | | | | | | | | | | | | | | |
| Berks | 0-8 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 8-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | --- | --- | 0.2-6 | --- | --- | --- | --- | --- | | | |
| BfB: | | | | | | | | | | | | | | |
| Berks | 0-8 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 8-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 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 | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Weikert | 0-8 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 8-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| BfC: | | | | | | | | | | | | | | |
| Berks | 0-6 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 6-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Weikert | 0-6 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| BkB: | | | | | | | | | | | | | | |
| Berks | 0-8 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 8-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Weikert | 0-8 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 8-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| BkD: | | | | | | | | | | | | | | |
| Berks | 0-8 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 8-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Weikert | 0-8 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 8-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| Bp: | | | | | | | | | | | | | | |
| Bigpool | 0-11 | --- | --- | 15-20 | 1.10-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-5.0 | .32 | .43 | 5 | 5 | --- |
| | 11-41 | --- | --- | 18-25 | 1.50-1.70 | 0.06-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-2.0 | .20 | .28 | | | |
| | 41-65 | --- | --- | 13-25 | 1.20-1.50 | 0.2-2 | 0.08-0.17 | 0.0-2.9 | 0.0-1.0 | .20 | .28 | | | |
| BrB: | | | | | | | | | | | | | | |
| Braddock | 0-13 | --- | --- | 10-25 | 1.00-1.20 | 0.6-6 | 0.14-0.19 | 0.0-2.9 | 1.0-2.0 | .24 | .32 | 5 | 8 | 0 |
| | 13-54 | --- | --- | 35-55 | 1.20-1.50 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .24 | .28 | | | |
| | 54-72 | --- | --- | 20-45 | 1.20-1.50 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-41 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-60 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 60-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| BrC: | | | | | | | | | | | | | | |
| Braddock | 0-13 | --- | --- | 10-25 | 1.00-1.20 | 0.6-6 | 0.14-0.19 | 0.0-2.9 | 1.0-2.0 | .24 | .32 | 5 | 8 | 0 |
| | 13-54 | --- | --- | 35-55 | 1.20-1.50 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .24 | .28 | | | |
| | 54-72 | --- | --- | 20-45 | 1.20-1.50 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-41 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-60 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 60-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| BrD: | | | | | | | | | | | | | | |
| Braddock | 0-13 | --- | --- | 10-25 | 1.00-1.20 | 0.6-6 | 0.14-0.19 | 0.0-2.9 | 1.0-2.0 | .24 | .32 | 5 | 8 | 0 |
| | 13-54 | --- | --- | 35-55 | 1.20-1.50 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .24 | .28 | | | |
| | 54-72 | --- | --- | 20-45 | 1.20-1.50 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-41 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-60 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 60-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| BtB: | | | | | | | | | | | | | | |
| Brinkerton | 0-9 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.18-0.24 | 0.0-2.9 | 1.0-4.0 | .32 | .32 | 4 | 5 | 56 |
| | 9-18 | --- | --- | 15-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| | 18-46 | --- | --- | 15-35 | 1.60-1.80 | 0.06-0.2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .32 | .37 | | | |
| | 46-65 | --- | --- | 15-25 | 1.40-1.55 | 0.06-0.6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| BuB: | | | | | | | | | | | | | | |
| Buchanan | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .32 | 4 | 6 | 48 |
| | 8-32 | --- | --- | 18-30 | 1.30-1.60 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 18-35 | 1.40-1.70 | 0.06-0.2 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| BuC: | | | | | | | | | | | | | | |
| Buchanan | 0-6 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .32 | 4 | 6 | 48 |
| | 6-21 | --- | --- | 18-30 | 1.30-1.60 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 21-65 | --- | --- | 18-35 | 1.40-1.70 | 0.06-0.2 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| BuD: | | | | | | | | | | | | | | |
| Buchanan | 0-5 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .32 | 4 | 6 | 48 |
| | 5-20 | --- | --- | 18-30 | 1.30-1.60 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 20-65 | --- | --- | 18-35 | 1.40-1.70 | 0.06-0.2 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| CaB: | | | | | | | | | | | | | | |
| Calvin | 0-8 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| CaC: | | | | | | | | | | | | | | |
| Calvin | 0-8 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| CaD: | | | | | | | | | | | | | | |
| Calvin | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 6-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| CcB: | | | | | | | | | | | | | | |
| Catoctin | 0-10 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.11-0.16 | 0.0-2.9 | 0.5-2.0 | .17 | .32 | 2 | 5 | 56 |
| | 10-22 | --- | --- | 10-35 | 1.20-1.50 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.0 | .17 | .24 | | | |
| | 22-28 | --- | --- | 10-25 | 1.20-1.50 | 2-6 | 0.04-0.15 | 0.0-2.9 | 0.0-0.0 | .17 | .28 | | | |
| | 28-38 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| Myersville | 0-8 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 8-38 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 38-58 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 58-70 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 70-80 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| CcC: | | | | | | | | | | | | | | |
| Catoctin | 0-10 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.11-0.16 | 0.0-2.9 | 0.5-2.0 | .17 | .32 | 2 | 5 | 56 |
| | 10-22 | --- | --- | 10-35 | 1.20-1.50 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.0 | .17 | .24 | | | |
| | 22-28 | --- | --- | 10-25 | 1.20-1.50 | 2-6 | 0.04-0.15 | 0.0-2.9 | 0.0-0.0 | .17 | .28 | | | |
| | 28-38 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| Myersville | 0-8 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 8-38 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 38-58 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 58-70 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 70-80 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| CcD: | | | | | | | | | | | | | | |
| Catoctin | 0-10 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.11-0.16 | 0.0-2.9 | 0.5-2.0 | .17 | .32 | 2 | 5 | 56 |
| | 10-22 | --- | --- | 10-35 | 1.20-1.50 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.0 | .17 | .24 | | | |
| | 22-28 | --- | --- | 10-25 | 1.20-1.50 | 2-6 | 0.04-0.15 | 0.0-2.9 | 0.0-0.0 | .17 | .28 | | | |
| | 28-38 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Myersville---------- | 0-8 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 8-38 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 38-58 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 58-70 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 70-80 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| CkB: | | | | | | | | | | | | | | |
| Clearbrook---------- | 0-8 | --- | --- | 15-27 | 1.25-1.55 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.1-2.0 | .32 | .37 | 3 | 5 | 56 |
| | 8-32 | --- | --- | 20-35 | 1.35-1.55 | 0.2-0.6 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 32-38 | --- | --- | 30-50 | 1.35-1.55 | 0.2-0.6 | 0.06-0.10 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 38-48 | --- | --- | 20-35 | 1.35-1.55 | 0.2-0.6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| Cm: | | | | | | | | | | | | | | |
| Codorus---------- | 0-16 | --- | --- | 15-25 | 1.20-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 16-34 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 34-72 | --- | --- | 5-12 | 1.20-1.50 | 2-20 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| Cn: | | | | | | | | | | | | | | |
| Codorus---------- | 0-16 | --- | --- | 15-25 | 1.20-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 16-34 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 34-72 | --- | --- | 5-12 | 1.20-1.50 | 2-20 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| Co: | | | | | | | | | | | | | | |
| Combs---------- | 0-23 | --- | --- | 5-18 | 1.20-1.50 | 0.6-6 | 0.12-0.20 | 0.0-2.9 | 1.0-5.0 | .24 | .24 | 5 | 3 | 86 |
| | 23-44 | --- | --- | 5-18 | 1.20-1.50 | 0.6-6 | 0.12-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .32 | | | |
| | 44-80 | --- | --- | 5-35 | 1.20-1.50 | 0.6-6 | 0.12-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | | | |
| Cp: | | | | | | | | | | | | | | |
| Combs---------- | 0-23 | --- | --- | 5-18 | 1.20-1.50 | 0.6-6 | 0.12-0.21 | 0.0-2.9 | 1.0-5.0 | .28 | .32 | 5 | 5 | 56 |
| | 23-44 | --- | --- | 5-18 | 1.20-1.50 | 0.6-6 | 0.12-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .32 | | | |
| | 44-80 | --- | --- | 5-35 | 1.20-1.50 | 0.6-6 | 0.12-0.20 | 0.0-2.9 | 0.5-2.0 | .28 | .28 | | | |
| DaB: | | | | | | | | | | | | | | |
| Dekalb---------- | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 6-20 | 0.08-0.12 | 0.0-2.9 | 2.0-5.0 | .17 | .24 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 28-32 | --- | --- | 5-15 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 32-42 | --- | --- | --- | --- | 2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| DaC: | | | | | | | | | | | | | | |
| Dekalb---------- | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 6-20 | 0.08-0.12 | 0.0-2.9 | 2.0-5.0 | .17 | .24 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 28-32 | --- | --- | 5-15 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 32-42 | --- | --- | --- | --- | 2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| DaD: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 6-20 | 0.08-0.12 | 0.0-2.9 | 2.0-5.0 | .17 | .24 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 28-32 | --- | --- | 5-15 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 32-42 | --- | --- | --- | --- | 2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| DeA: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DeB: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DeC: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DeD: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DgF: | | | | | | | | | | | | | | |
| Bagtown | 0-8 | --- | --- | 10-18 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.0-4.0 | .37 | .20 | 5 | 8 | 0 |
| | 8-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-6 | 0.14-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .20 | | | |
| | 15-60 | --- | --- | 10-28 | 1.40-1.60 | 0.06-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 60-73 | --- | --- | 10-25 | 1.30-1.50 | 0.2-0.6 | 0.14-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | .20 | | | |
| | 73-93 | --- | --- | 10-25 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .15 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DhF: | | | | | | | | | | | | | | |
| Dekalb | 0-7 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .20 | 2 | 8 | 0 |
| | 7-28 | --- | --- | 10-20 | 1.20-1.50 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | --- | | | |
| | 28-32 | --- | --- | 7-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | --- | .17 | --- | | | |
| | 32-42 | --- | --- | 5-15 | 1.20-1.50 | 2-6 | --- | --- | --- | --- | --- | | | |
| Hazleton | 0-10 | --- | --- | 7-18 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 2.0-4.0 | .15 | .17 | 3 | 8 | 0 |
| | 10-42 | --- | --- | 7-18 | 1.20-1.40 | 2-20 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 42-65 | --- | --- | 5-15 | 1.20-1.40 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 65-75 | --- | --- | --- | --- | 2-6 | --- | --- | --- | --- | --- | | | |
| Dk: | | | | | | | | | | | | | | |
| Deposit | 0-4 | --- | --- | 6-18 | 1.10-1.40 | 0.6-6 | 0.09-0.16 | 0.0-2.9 | 4.0-10 | .24 | .28 | 3 | 5 | 56 |
| | 4-30 | --- | --- | 4-15 | 1.25-1.55 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-3.0 | .20 | .28 | | | |
| | 30-65 | --- | --- | 2-10 | 1.30-1.60 | 6-20 | 0.01-0.02 | 0.0-2.9 | 0.0-3.0 | .17 | .24 | | | |
| DnB: | | | | | | | | | | | | | | |
| Deposit | 0-4 | --- | --- | 6-18 | 1.10-1.40 | 0.6-6 | 0.09-0.16 | 0.0-2.9 | 4.0-10 | .24 | .28 | 3 | 8 | 0 |
| | 4-15 | --- | --- | 4-15 | 1.25-1.55 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-3.0 | .20 | .28 | | | |
| | 30-65 | --- | --- | 2-10 | 1.30-1.60 | 6-20 | 0.01-0.02 | 0.0-2.9 | 0.0-3.0 | .17 | .24 | | | |
| DoA: | | | | | | | | | | | | | | |
| Downsville | 0-10 | --- | --- | 12-18 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 8 | 0 |
| | 10-18 | --- | --- | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| | 18-30 | --- | --- | 20-40 | 1.40-1.55 | 0.6-2 | 0.06-0.17 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 30-87 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 87-99 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.08-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| DoB: | | | | | | | | | | | | | | |
| Downsville | 0-10 | --- | --- | 12-18 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 8 | 0 |
| | 10-18 | --- | --- | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| | 18-30 | --- | --- | 20-40 | 1.40-1.55 | 0.6-2 | 0.06-0.17 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 30-87 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 87-99 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.08-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| DoC: | | | | | | | | | | | | | | |
| Downsville | 0-7 | --- | --- | 12-18 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 8 | 0 |
| | 7-18 | --- | --- | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| | 18-30 | --- | --- | 20-40 | 1.40-1.55 | 0.6-2 | 0.06-0.17 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 30-87 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 87-99 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.08-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| DoD: | | | | | | | | | | | | | | |
| Downsville | 0-5 | --- | --- | 12-18 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 8 | 0 |
| | 5-18 | --- | --- | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| | 18-30 | --- | --- | 20-40 | 1.40-1.55 | 0.6-2 | 0.06-0.17 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 30-87 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 87-99 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.08-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| DoE: | | | | | | | | | | | | | | |
| Downsville | 0-5 | --- | --- | 12-18 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 8 | 0 |
| | 5-18 | --- | --- | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| | 18-30 | --- | --- | 20-40 | 1.40-1.55 | 0.6-2 | 0.06-0.17 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 30-87 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 87-99 | --- | --- | 18-35 | 1.40-1.55 | 0.2-0.6 | 0.08-0.17 | 0.0-2.9 | 0.0-0.5 | .28 | .32 | | | |
| DrA: | | | | | | | | | | | | | | |
| Dryrun | 0-12 | --- | --- | 15-22 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 4 | 8 | 0 |
| | 12-27 | --- | --- | 20-30 | 1.30-1.60 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .28 | .43 | | | |
| | 27-43 | --- | --- | 20-35 | 1.40-1.70 | 0.06-2 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .37 | | | |
| | 43-74 | --- | --- | 20-35 | 1.40-1.70 | 2-20 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .37 | | | |
| DrB: | | | | | | | | | | | | | | |
| Dryrun | 0-12 | --- | --- | 15-22 | 1.20-1.40 | 0.6-6 | 0.12-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 4 | 8 | 0 |
| | 12-27 | --- | --- | 20-30 | 1.30-1.60 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 0.0-0.5 | .28 | .43 | | | |
| | 27-43 | --- | --- | 20-35 | 1.40-1.70 | 0.06-2 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .37 | | | |
| | 43-74 | --- | --- | 20-35 | 1.40-1.70 | 2-20 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .37 | | | |
| DsA: | | | | | | | | | | | | | | |
| Duffield | 0-10 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 10-56 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 56-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| DsB: | | | | | | | | | | | | | | |
| Duffield | 0-9 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 9-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| DsC: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| DsD: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| DuB: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 4 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| DuC: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 4 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| DvB: | | | | | | | | | | | | | | |
| Duffield | 0-5 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 4 | 6 | 48 |
| | 5-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DvC: | | | | | | | | | | | | | | |
| Duffield | 0-5 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 4 | 6 | 48 |
| | 5-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| DvD: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 4 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| Fa: | | | | | | | | | | | | | | |
| Fairplay | 0-15 | --- | --- | 18-26 | 1.00-1.20 | 0.6-20 | 0.17-0.22 | 0.0-2.9 | 2.0-6.0 | .43 | .43 | 5 | 4L | 86 |
| | 15-27 | --- | --- | 15-25 | 1.00-1.20 | 0.6-20 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 27-47 | --- | --- | 10-25 | 1.00-1.20 | 0.06-2 | 0.14-0.20 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 47-79 | --- | --- | 10-25 | 1.00-1.50 | 0.06-6 | 0.14-0.20 | 0.0-2.9 | 0.0-3.0 | .43 | .43 | | | |
| FO: | | | | | | | | | | | | | | |
| Foxville | 0-4 | --- | --- | 10-20 | 1.20-1.40 | 0.6-6 | 0.14-0.17 | 0.0-2.9 | 3.0-6.0 | .10 | .43 | 5 | 5 | 56 |
| | 4-43 | --- | --- | 10-20 | 1.20-1.40 | 0.2-2 | 0.14-0.17 | 0.0-2.9 | 0.1-2.0 | .15 | .32 | | | |
| | 43-58 | --- | --- | 15-25 | 1.40-1.60 | 0.2-0.6 | 0.17-0.20 | 0.0-2.9 | 0.1-1.0 | .32 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Hatboro | 0-8 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 8-38 | --- | --- | 15-35 | 1.20-1.40 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| | 38-72 | --- | --- | 5-45 | 1.10-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .15 | | | |
| Ft: | | | | | | | | | | | | | | |
| Funkstown | 0-12 | --- | --- | 15-25 | 1.10-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-5.0 | .32 | .43 | 5 | 6 | 48 |
| | 12-29 | --- | --- | 20-30 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .24 | .32 | | | |
| | 29-45 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.08-0.14 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 45-80 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.0 | .20 | .32 | | | |
| HaA: | | | | | | | | | | | | | | |
| Hagerstown | 0-10 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 10-17 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 17-71 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HaB: | | | | | | | | | | | | | | |
| Hagerstown | 0-10 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 10-17 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 17-71 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HaC: | | | | | | | | | | | | | | |
| Hagerstown | 0-7 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 7-19 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 19-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HaD: | | | | | | | | | | | | | | |
| Hagerstown | 0-7 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 7-17 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 17-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HbB: | | | | | | | | | | | | | | |
| Hagerstown | 0-7 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 7-19 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 19-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HbC: | | | | | | | | | | | | | | |
| Hagerstown | 0-7 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 7-19 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 19-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| HbD: | | | | | | | | | | | | | | |
| Hagerstown | 0-5 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-9 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 9-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 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 | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| HcB: | | | | | | | | | | | | | | |
| Hagerstown | 0-5 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-9 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 9-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| HcC: | | | | | | | | | | | | | | |
| Hagerstown | 0-5 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-9 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 9-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| HcD: | | | | | | | | | | | | | | |
| Hagerstown | 0-5 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-9 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 9-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| HdB: | | | | | | | | | | | | | | |
| Duffield | 0-9 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 9-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| Hagerstown | 0-10 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 10-17 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 17-71 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| HdD: | | | | | | | | | | | | | | |
| Duffield | 0-7 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| Hagerstown | 0-7 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 7-19 | --- | --- | 25-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 19-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| HgB: | | | | | | | | | | | | | | |
| Hagerstown | 0-5 | --- | --- | 15-35 | 1.20-1.40 | 0.6-6 | 0.16-0.24 | 0.0-2.9 | 1.0-5.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-9 | --- | --- | 23-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 9-65 | --- | --- | 35-60 | 1.20-1.60 | 0.6-2 | 0.10-0.24 | 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 | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| Hh: | | | | | | | | | | | | | | |
| Hatboro | 0-8 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 8-39 | --- | --- | 15-35 | 1.20-1.40 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| | 39-50 | --- | --- | 10-35 | 1.20-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| | 50-72 | --- | --- | 5-45 | 1.10-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .15 | | | |
| HnB: | | | | | | | | | | | | | | |
| Hazel | 0-10 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 2 | 5 | 56 |
| | 10-20 | --- | --- | 10-18 | 1.20-1.50 | 2-6 | 0.08-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 20-27 | --- | --- | 10-18 | 1.30-1.55 | 2-6 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 27-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| HnC: | | | | | | | | | | | | | | |
| Hazel | 0-10 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 2 | 5 | 56 |
| | 10-20 | --- | --- | 10-18 | 1.20-1.50 | 2-6 | 0.08-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 20-27 | --- | --- | 10-18 | 1.30-1.55 | 2-6 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 27-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| HnD: | | | | | | | | | | | | | | |
| Hazel | 0-2 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 2 | 5 | 56 |
| | 2-15 | --- | --- | 10-18 | 1.20-1.50 | 2-6 | 0.08-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 15-27 | --- | --- | 10-18 | 1.30-1.55 | 2-6 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 27-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| HrE: | | | | | | | | | | | | | | |
| Hazel | 0-2 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 2 | 5 | 56 |
| | 2-30 | --- | --- | 10-18 | 1.20-1.50 | 2-6 | 0.08-0.18 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 30-50 | --- | --- | 10-18 | 1.30-1.55 | 2-6 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 50-72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| HsD: | | | | | | | | | | | | | | |
| Hazleton | 0-10 | --- | --- | 7-18 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 2.0-4.0 | .15 | .17 | 3 | 8 | 0 |
| | 10-42 | --- | --- | 7-18 | 1.20-1.40 | 2-20 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 42-65 | --- | --- | 5-15 | 1.20-1.40 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 65-75 | --- | --- | --- | --- | 2-6 | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| HsE: | | | | | | | | | | | | | | |
| Hazleton | 0-10 | --- | --- | 7-18 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 2.0-4.0 | .15 | .17 | 3 | 8 | 0 |
| | 10-42 | --- | --- | 7-18 | 1.20-1.40 | 2-20 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 42-65 | --- | --- | 5-15 | 1.20-1.40 | 2-20 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .15 | .20 | | | |
| | 65-75 | --- | --- | --- | --- | 2-6 | --- | --- | --- | --- | --- | | | |
| HtB: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| HtC: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| HtD: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| KcB: | | | | | | | | | | | | | | |
| Klinesville | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-2.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-8 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.2-0.5 | .20 | .28 | | | |
| | 8-14 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .20 | .28 | | | |
| | 14-24 | --- | --- | --- | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Calvin | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 6-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| KcC: | | | | | | | | | | | | | | |
| Klinesville | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-2.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-8 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.2-0.5 | .20 | .28 | | | |
| | 8-14 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .20 | .28 | | | |
| | 14-24 | --- | --- | --- | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Calvin | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 6-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| KcD: | | | | | | | | | | | | | | |
| Klinesville | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-2.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-8 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.2-0.5 | .20 | .28 | | | |
| | 8-14 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .20 | .28 | | | |
| | 14-24 | --- | --- | --- | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Calvin | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 6-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| KcF: | | | | | | | | | | | | | | |
| Klinesville | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-2.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-8 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.2-0.5 | .20 | .28 | | | |
| | 8-14 | --- | --- | 10-20 | 1.40-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .20 | .28 | | | |
| | 14-24 | --- | --- | --- | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Calvin | 0-6 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .24 | 3 | 6 | 48 |
| | 6-30 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 30-35 | --- | --- | 10-25 | 1.40-1.60 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| | 35-45 | --- | --- | --- | --- | 0.2-6 | 0.00-0.00 | --- | --- | --- | --- | | | |
| LaB: | | | | | | | | | | | | | | |
| Lantz | 0-9 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 3.0-6.0 | .43 | .43 | 5 | 6 | 48 |
| | 9-47 | --- | --- | 25-45 | 1.40-1.60 | 0.06-0.2 | 0.12-0.18 | 3.0-5.9 | 0.0-1.0 | .28 | .32 | | | |
| | 47-52 | --- | --- | 10-20 | 1.40-1.70 | 0.2-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .32 | .37 | | | |
| | 52-62 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| Rohrersville | 0-9 | --- | --- | 18-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-4.0 | .24 | .32 | 4 | 6 | 48 |
| | 9-25 | --- | --- | 18-25 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.0-0.5 | .24 | .32 | | | |
| | 25-31 | --- | --- | 20-40 | 1.30-1.60 | 0.6-2 | 0.14-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .32 | | | |
| | 31-55 | --- | --- | 20-40 | 1.35-1.60 | 0.06-0.2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 55-62 | --- | --- | 20-40 | 1.40-1.60 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 62-70 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Lb: | | | | | | | | | | | | | | |
| Lappans | 0-7 | --- | --- | 15-30 | 1.05-1.10 | 0.6-6 | 0.17-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 4L | 86 |
| | 7-42 | --- | --- | 15-30 | 1.05-1.20 | 2-20 | 0.14-0.20 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 42-64 | --- | --- | 20-35 | 1.10-1.30 | 2-20 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | | | |
| | 64-99 | --- | --- | 15-35 | 1.20-1.40 | 2-6 | 0.14-0.17 | 0.0-2.9 | 0.0-1.0 | .28 | .28 | | | |
| Ln: | | | | | | | | | | | | | | |
| Lindside | 0-13 | --- | --- | 15-27 | 1.20-1.40 | 0.6-2 | 0.20-0.26 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 5 | 56 |
| | 13-46 | --- | --- | 18-35 | 1.20-1.40 | 0.2-2 | 0.17-0.22 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 46-65 | --- | --- | 18-35 | 1.20-1.40 | 0.2-6 | 0.12-0.18 | 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 | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Me: | | | | | | | | | | | | | | |
| Melvin | 0-8 | --- | --- | 12-17 | 1.20-1.60 | 0.6-2 | 0.18-0.23 | 0.0-2.9 | 0.5-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-46 | --- | --- | 12-35 | 1.30-1.60 | 0.6-2 | 0.18-0.23 | 0.0-2.9 | --- | .43 | .43 | | | |
| | 46-60 | --- | --- | 7-35 | 1.40-1.70 | 0.6-2 | 0.16-0.23 | 0.0-2.9 | --- | .43 | .43 | | | |
| MgA: | | | | | | | | | | | | | | |
| Monongahela | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.18-0.24 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 8-30 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 30-51 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 51-65 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MgB: | | | | | | | | | | | | | | |
| Monongahela | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.18-0.24 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 8-30 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 30-51 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 51-65 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MgC: | | | | | | | | | | | | | | |
| Monongahela | 0-6 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.18-0.24 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 6-28 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 28-51 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 51-65 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MgD: | | | | | | | | | | | | | | |
| Monongahela | 0-5 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.18-0.24 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 5-27 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 27-51 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 51-65 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MhA: | | | | | | | | | | | | | | |
| Monongahela | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 3 | 5 | 56 |
| | 8-27 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 27-64 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 64-70 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MhB: | | | | | | | | | | | | | | |
| Monongahela | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 3 | 5 | 56 |
| | 8-27 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 27-64 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 64-70 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| MhC: | | | | | | | | | | | | | | |
| Monongahela | 0-8 | --- | --- | 10-27 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 3 | 5 | 56 |
| | 8-27 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 27-64 | --- | --- | 18-35 | 1.30-1.60 | 0.06-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .43 | .49 | | | |
| | 64-70 | --- | --- | 10-35 | 1.20-1.40 | 0.2-0.6 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| MkB: | | | | | | | | | | | | | | |
| Mt. Zion | 0-6 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 4 | 5 | 56 |
| | 6-31 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 31-48 | --- | --- | 10-20 | 1.40-1.60 | 0.06-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 48-69 | --- | --- | 10-20 | 1.20-1.40 | 0.2-2 | 0.14-0.20 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 69-72 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MkC: | | | | | | | | | | | | | | |
| Mt. Zion | 0-6 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 4 | 5 | 56 |
| | 6-31 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 31-48 | --- | --- | 10-20 | 1.40-1.60 | 0.06-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 48-69 | --- | --- | 10-20 | 1.20-1.40 | 0.2-2 | 0.14-0.20 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 69-72 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MmA: | | | | | | | | | | | | | | |
| Mt. Zion | 0-6 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 4 | 5 | 56 |
| | 6-31 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 31-48 | --- | --- | 10-20 | 1.40-1.60 | 0.06-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 48-69 | --- | --- | 10-20 | 1.20-1.40 | 0.2-2 | 0.14-0.20 | 0.0-2.9 | 0.0-0.0 | .32 | .20 | | | |
| | 69-72 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| Rohrersville | 0-9 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-5.0 | .43 | .43 | 5 | 5 | 56 |
| | 9-43 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 43-62 | --- | --- | 15-30 | 1.30-1.60 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 62-70 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MoB: | | | | | | | | | | | | | | |
| Murrill | 0-10 | --- | --- | 10-20 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .32 | .32 | 5 | --- | --- |
| | 10-55 | --- | --- | 18-35 | 1.40-1.70 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 55-70 | --- | --- | 27-55 | 1.40-1.70 | 0.2-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| MoC: | | | | | | | | | | | | | | |
| Murrill | 0-15 | --- | --- | 10-20 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .32 | .32 | 5 | --- | --- |
| | 15-60 | --- | --- | 18-35 | 1.40-1.70 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 60-80 | --- | --- | 27-55 | 1.40-1.70 | 0.2-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| MsB: | | | | | | | | | | | | | | |
| Murrill | 0-9 | --- | --- | 15-25 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 5 | 6 | 48 |
| | 9-55 | --- | --- | 18-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 55-70 | --- | --- | 27-55 | 1.40-1.70 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| MsC: | | | | | | | | | | | | | | |
| Murrill | 0-9 | --- | --- | 15-25 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 5 | 6 | 48 |
| | 9-55 | --- | --- | 18-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 55-70 | --- | --- | 27-55 | 1.40-1.70 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| MsD: | | | | | | | | | | | | | | |
| Murrill | 0-6 | --- | --- | 15-25 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 5 | 6 | 48 |
| | 6-52 | --- | --- | 18-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 52-70 | --- | --- | 27-55 | 1.40-1.70 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| MuB: | | | | | | | | | | | | | | |
| Murrill | 0-9 | --- | --- | 15-25 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 5 | 6 | 48 |
| | 9-55 | --- | --- | 18-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 55-70 | --- | --- | 27-55 | 1.40-1.70 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| MuD: | | | | | | | | | | | | | | |
| Murrill | 0-9 | --- | --- | 15-25 | 1.20-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 5 | 6 | 48 |
| | 9-55 | --- | --- | 18-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .28 | | | |
| | 55-70 | --- | --- | 27-55 | 1.40-1.70 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| MvB: | | | | | | | | | | | | | | |
| Myersville | 0-12 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.14-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 4 | 6 | 48 |
| | 12-35 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 35-60 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 60-71 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 71-81 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MvC: | | | | | | | | | | | | | | |
| Myersville | 0-12 | --- | --- | 5-20 | 1.20-1.50 | 2-6 | 0.14-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 4 | 6 | 48 |
| | 12-35 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 35-60 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 60-71 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 71-81 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MwB: | | | | | | | | | | | | | | |
| Myersville | 0-12 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 12-35 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 35-60 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 60-71 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 71-81 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| MwC: | | | | | | | | | | | | | | |
| Myersville | 0-7 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 7-30 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 30-55 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 55-61 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 61-71 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| MwD: | | | | | | | | | | | | | | |
| Myersville | 0-7 | --- | --- | 5-15 | 1.30-1.45 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | 4 | 6 | 48 |
| | 7-30 | --- | --- | 18-35 | 1.20-1.50 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 30-55 | --- | --- | 10-32 | 1.20-1.50 | 0.6-2 | 0.08-0.16 | 0.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 55-66 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| | 66-76 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| NoB: | | | | | | | | | | | | | | |
| Nollville | 0-8 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-27 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 27-39 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 39-55 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 55-65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| NoC: | | | | | | | | | | | | | | |
| Nollville | 0-8 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-27 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 27-39 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 39-55 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 55-65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| NoD: | | | | | | | | | | | | | | |
| Nollville | 0-8 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-27 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 27-39 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 39-55 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 55-65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| OpA: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| OpB: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| OpC: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| OrB: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| OrC: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| OrD: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| OrF: | | | | | | | | | | | | | | |
| Opequon | 0-2 | --- | --- | 27-45 | 1.20-1.50 | 0.2-2 | 0.16-0.21 | 6.0-8.9 | 1.0-4.0 | .37 | .43 | 1 | 7 | 38 |
| | 2-18 | --- | --- | 35-75 | 1.35-1.60 | 0.2-2 | 0.07-0.16 | 6.0-8.9 | 0.0-0.5 | .32 | .43 | | | |
| | 18-28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| PaB: | | | | | | | | | | | | | | |
| Pecktonville | 0-11 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-15 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 15-48 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 48-75 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| PaC: | | | | | | | | | | | | | | |
| Pecktonville | 0-11 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-15 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 15-48 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 48-75 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| PaD: | | | | | | | | | | | | | | |
| Pecktonville | 0-5 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 5-17 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 17-57 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 57-69 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| PcB: | | | | | | | | | | | | | | |
| Pecktonville | 0-11 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-15 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 15-48 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 48-75 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| PcC: | | | | | | | | | | | | | | |
| Pecktonville | 0-11 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-15 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 15-48 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 48-75 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| PcD: | | | | | | | | | | | | | | |
| Pecktonville | 0-5 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 5-17 | --- | --- | 13-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 17-57 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 57-69 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.14-0.20 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| PeE: | | | | | | | | | | | | | | |
| Pecktonville | 0-5 | --- | --- | 13-27 | 1.30-1.50 | 2-6 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 4 | 8 | 0 |
| | 5-17 | --- | --- | 15-35 | 1.25-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-1.0 | .24 | .55 | | | |
| | 17-57 | --- | --- | 27-55 | 1.20-1.60 | 0.06-0.6 | 0.12-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| | 57-69 | --- | --- | 27-55 | 1.20-1.60 | 0.6-2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .37 | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| Pg: | | | | | | | | | | | | | | |
| Philo | 0-9 | --- | --- | 10-18 | 1.20-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | --- | 4 | 5 | 56 |
| | 9-29 | --- | --- | 10-18 | 1.20-1.40 | 0.6-2 | 0.10-0.20 | 0.0-2.9 | 0.0-0.5 | .32 | --- | | | |
| | 29-65 | --- | --- | 5-18 | 1.20-1.40 | 2-6 | 0.06-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | --- | | | |
| Ph: | | | | | | | | | | | | | | |
| Philo | 0-13 | --- | --- | 10-18 | 1.20-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | --- | --- |
| | 13-21 | --- | --- | 10-18 | 1.20-1.40 | 0.6-2 | 0.10-0.20 | 0.0-2.9 | 0.5-1.0 | .32 | .32 | | | |
| | 21-70 | --- | --- | 10-18 | 1.20-1.50 | 6-20 | 0.05-0.10 | 0.0-2.9 | 0.5-1.0 | .24 | .28 | | | |
| Pn: | | | | | | | | | | | | | | |
| Pope | 0-10 | --- | --- | 5-15 | 1.20-1.40 | 2-6 | 0.10-0.16 | 0.0-2.9 | 1.0-4.0 | .28 | .28 | 5 | --- | --- |
| | 10-40 | --- | --- | 5-18 | 1.30-1.60 | 0.6-6 | 0.10-0.18 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 40-65 | --- | --- | 5-20 | 1.30-1.60 | 0.6-6 | 0.10-0.18 | 0.0-2.9 | --- | .28 | .20 | | | |
| Po: | | | | | | | | | | | | | | |
| Pope | 0-10 | --- | --- | 5-15 | 1.20-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-4.0 | .28 | .32 | 5 | 5 | 56 |
| | 10-40 | --- | --- | 5-18 | 1.30-1.60 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | --- | .28 | .28 | | | |
| | 40-65 | --- | --- | 5-20 | 1.30-1.60 | 0.6-6 | 0.05-0.12 | 0.0-2.9 | --- | .28 | .28 | | | |
| Qa: | | | | | | | | | | | | | | |
| Quarry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| Qm: | | | | | | | | | | | | | | |
| Quarry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Qr: | | | | | | | | | | | | | | |
| Quarry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| Qs: | | | | | | | | | | | | | | |
| Quarry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| RaC: | | | | | | | | | | | | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| RaD: | | | | | | | | | | | | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| RcC: | | | | | | | | | | | | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rohrersville | 0-9 | --- | --- | 18-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-4.0 | .24 | .32 | 4 | 6 | 48 |
| | 9-25 | --- | --- | 18-25 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.0-0.5 | .24 | .32 | | | |
| | 25-31 | --- | --- | 20-40 | 1.30-1.60 | 0.6-2 | 0.14-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .32 | | | |
| | 31-55 | --- | --- | 20-40 | 1.35-1.60 | 0.06-0.2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 55-62 | --- | --- | 20-40 | 1.40-1.60 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 62-70 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| ReC: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| ReD: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| ReF: | | | | | | | | | | | | | | |
| Highfield | 0-10 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | --- | .28 | .37 | 3 | --- | 0 |
| | 10-34 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | --- | .28 | .32 | | | |
| | 34-60 | --- | --- | 15-27 | 1.40-1.60 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 60-64 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Ravenrock | 0-4 | --- | --- | 15-25 | 1.00-1.30 | 0.6-6 | 0.10-0.20 | 0.0-2.9 | 2.0-6.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-34 | --- | --- | 15-30 | 1.20-1.55 | 0.6-2 | 0.12-0.18 | 3.0-5.9 | 0.5-2.0 | .15 | .28 | | | |
| | 34-65 | --- | --- | 20-50 | 1.20-1.60 | --- | 0.06-0.20 | --- | 0.0-0.5 | .15 | .28 | | | |
| | 65-80 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | -- | 8 | 0 |
| RhB: | | | | | | | | | | | | | | |
| Rohrersville | 0-9 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 2.0-5.0 | .43 | .43 | 5 | 5 | 56 |
| | 9-43 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 43-62 | --- | --- | 15-30 | 1.30-1.60 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 62-70 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| Lantz | 0-9 | --- | --- | 15-30 | 1.20-1.40 | 0.6-2 | 0.16-0.22 | 0.0-2.9 | 3.0-6.0 | .43 | .43 | 5 | 6 | 48 |
| | 9-47 | --- | --- | 25-45 | 1.40-1.60 | 0.06-0.2 | 0.12-0.18 | 3.0-5.9 | 0.0-1.0 | .28 | .32 | | | |
| | 47-52 | --- | --- | 10-20 | 1.40-1.70 | 0.2-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .32 | .37 | | | |
| | 52-62 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| RmB: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 35-45 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Duffield | 0-9 | --- | --- | 15-30 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .32 | .37 | 5 | 6 | 48 |
| | 9-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| RmC: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 35-45 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Duffield | 0-7 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .32 | .37 | 5 | 6 | 48 |
| | 7-54 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 54-65 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| RmD: | | | | | | | | | | | | | | |
| Ryder | 0-5 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 5-27 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 27-32 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 32-42 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Duffield | 0-5 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .32 | .37 | 5 | 6 | 48 |
| | 5-52 | --- | --- | 20-42 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .28 | | | |
| | 52-63 | --- | --- | 18-41 | 1.30-1.60 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .32 | | | |
| RnB: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 35-45 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Nollville | 0-10 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 10-29 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 29-41 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 41-57 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 57-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| RnC: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 35-45 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Nollville | 0-10 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 10-29 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 29-41 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 41-57 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 57-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| RnD: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .32 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.14-0.18 | 0.0-2.9 | 0.0-0.5 | .37 | .43 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.06-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .32 | | | |
| | 35-45 | --- | --- | --- | --- | 0.06-2 | --- | --- | --- | --- | --- | | | |
| Nollville | 0-8 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-27 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 27-39 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 39-55 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 55-65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| RvC: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.11-0.18 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 35-45 | --- | --- | --- | --- | 0.6-6 | --- | --- | 0.0-0.0 | --- | --- | | | |
| Nollville | 0-10 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 4 | 6 | 48 |
| | 10-29 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 29-41 | --- | --- | 8-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 41-57 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 57-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| RyB: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.11-0.18 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 35-45 | --- | --- | --- | --- | 0.6-6 | --- | --- | 0.0-0.0 | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | --- | 8 | 0 |
| RyC: | | | | | | | | | | | | | | |
| Ryder | 0-8 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-30 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.11-0.18 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 30-35 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 35-45 | --- | --- | --- | --- | 0.6-6 | --- | --- | 0.0-0.0 | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | --- | 8 | 0 |
| RyD: | | | | | | | | | | | | | | |
| Ryder | 0-5 | --- | --- | 15-30 | 1.20-1.40 | 0.6-6 | 0.16-0.20 | 0.0-2.9 | 1.0-3.0 | .28 | .37 | 3 | 6 | 48 |
| | 5-27 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.11-0.18 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 27-32 | --- | --- | 17-35 | 1.40-1.60 | 0.6-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.0 | .32 | .64 | | | |
| | 32-42 | --- | --- | --- | --- | 0.6-6 | --- | --- | 0.0-0.0 | --- | --- | | | |
| Rock Outcrop | 0-60 | --- | --- | --- | --- | 0.06-6 | --- | --- | --- | --- | --- | --- | 8 | 0 |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| SdB: | | | | | | | | | | | | | | |
| Sideling | 0-8 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 8-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SdC: | | | | | | | | | | | | | | |
| Sideling | 0-8 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 8-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SdD: | | | | | | | | | | | | | | |
| Sideling | 0-4 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SgB: | | | | | | | | | | | | | | |
| Sideling | 0-4 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SgC: | | | | | | | | | | | | | | |
| Sideling | 0-4 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SgD: | | | | | | | | | | | | | | |
| Sideling | 0-4 | --- | --- | 10-26 | 1.20-1.50 | 2-6 | 0.10-0.14 | 0.0-2.9 | 0.5-1.0 | .20 | .37 | 5 | 8 | 0 |
| | 4-38 | --- | --- | 10-35 | 1.40-1.60 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.0 | .15 | .28 | | | |
| | 38-74 | --- | --- | 27-45 | 1.40-1.70 | 0.06-0.2 | 0.06-0.20 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| SpA: | | | | | | | | | | | | | | |
| Swanpond | 0-8 | --- | --- | 16-40 | 1.20-1.40 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .43 | 3 | 6 | 48 |
| | 8-32 | --- | --- | 60-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 50-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | --- | | | |
| SpB: | | | | | | | | | | | | | | |
| Swanpond | 0-8 | --- | --- | 16-40 | 1.20-1.40 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .43 | 3 | 6 | 48 |
| | 8-32 | --- | --- | 60-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 50-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | --- | | | |
| SsA: | | | | | | | | | | | | | | |
| Swanpond | 0-7 | --- | --- | 16-40 | 1.20-1.40 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .43 | 3 | 6 | 48 |
| | 7-32 | --- | --- | 60-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 50-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| Funkstown | 0-12 | --- | --- | 15-25 | 1.10-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-5.0 | .32 | .43 | 5 | 6 | 48 |
| | 12-29 | --- | --- | 20-30 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .24 | .32 | | | |
| | 29-45 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.08-0.14 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 45-80 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.0 | .20 | .32 | | | |
| SuA: | | | | | | | | | | | | | | |
| Funkstown | 0-12 | --- | --- | 15-25 | 1.10-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-5.0 | .32 | .43 | 5 | 6 | 48 |
| | 12-29 | --- | --- | 20-30 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.0 | .24 | .32 | | | |
| | 29-45 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.08-0.14 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 45-80 | --- | --- | 25-40 | 1.30-1.50 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.0 | .20 | .32 | | | |
| Swanpond | 0-7 | --- | --- | 16-40 | 1.20-1.40 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .43 | 3 | 6 | 48 |
| | 7-32 | --- | --- | 60-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .24 | .28 | | | |
| | 32-65 | --- | --- | 50-80 | 1.30-1.60 | 0.06-0.2 | 0.14-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | --- | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | -- | --- | --- |
| TaB: | | | | | | | | | | | | | | |
| Talladega | 0-10 | --- | --- | 15-27 | 1.25-1.45 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 10-27 | --- | --- | 20-35 | 1.25-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 27-77 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| TaC: | | | | | | | | | | | | | | |
| Talladega | 0-10 | --- | --- | 15-27 | 1.25-1.45 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 10-27 | --- | --- | 20-35 | 1.25-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 27-77 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| TaD: | | | | | | | | | | | | | | |
| Talladega | 0-10 | --- | --- | 15-27 | 1.25-1.45 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 10-27 | --- | --- | 20-35 | 1.25-1.50 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | --- | .28 | .37 | | | |
| | 27-77 | --- | --- | --- | --- | 0.0000-0.0000 | --- | --- | --- | --- | --- | | | |
| ThB: | | | | | | | | | | | | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-22 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 22-41 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| ThC: | | | | | | | | | | | | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-22 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 22-41 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| ThD: | | | | | | | | | | | | | | |
| Thurmont | 0-11 | --- | --- | 10-25 | 1.20-1.40 | 2-6 | 0.10-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .32 | 4 | 3 | 86 |
| | 11-22 | --- | --- | 18-35 | 1.30-1.50 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 22-41 | --- | --- | 18-30 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .24 | | | |
| | 41-84 | --- | --- | 10-20 | 1.20-1.40 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .28 | | | |
| TrA: | | | | | | | | | | | | | | |
| Trego | 0-9 | --- | --- | 10-20 | 1.20-1.50 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 4 | 5 | 56 |
| | 9-21 | --- | --- | 15-30 | 1.20-1.50 | 0.2-2 | 0.10-0.18 | 0.0-2.9 | 0.5-1.0 | .28 | .32 | | | |
| | 21-38 | --- | --- | 15-30 | 1.70-1.90 | 0.06-0.2 | 0.07-0.15 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 38-96 | --- | --- | 15-30 | 1.20-1.50 | 0.06-0.2 | 0.04-0.10 | 0.0-2.9 | 0.0-0.0 | .28 | .37 | | | |
| TrB: | | | | | | | | | | | | | | |
| Trego | 0-9 | --- | --- | 10-20 | 1.20-1.50 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 4 | 5 | 56 |
| | 9-21 | --- | --- | 15-30 | 1.20-1.50 | 0.2-2 | 0.10-0.18 | 0.0-2.9 | 0.5-1.0 | .28 | .32 | | | |
| | 21-38 | --- | --- | 15-30 | 1.70-1.90 | 0.06-0.2 | 0.07-0.15 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 38-96 | --- | --- | 15-30 | 1.20-1.50 | 0.06-0.2 | 0.04-0.10 | 0.0-2.9 | 0.0-0.0 | .28 | .37 | | | |
| TrC: | | | | | | | | | | | | | | |
| Trego | 0-9 | --- | --- | 10-20 | 1.20-1.50 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .43 | 4 | 5 | 56 |
| | 9-21 | --- | --- | 15-30 | 1.20-1.50 | 0.2-2 | 0.10-0.18 | 0.0-2.9 | 0.5-1.0 | .28 | .32 | | | |
| | 21-38 | --- | --- | 15-30 | 1.70-1.90 | 0.06-0.2 | 0.07-0.15 | 0.0-2.9 | 0.0-0.0 | .28 | .32 | | | |
| | 38-96 | --- | --- | 15-30 | 1.20-1.50 | 0.06-0.2 | 0.04-0.10 | 0.0-2.9 | 0.0-0.0 | .28 | .37 | | | |
| TyA: | | | | | | | | | | | | | | |
| Tyler | 0-8 | --- | --- | 14-26 | 1.30-1.50 | 0.6-2 | 0.18-0.22 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 8-30 | --- | --- | 20-33 | 1.40-1.60 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 30-65 | --- | --- | 18-33 | 1.60-1.85 | 0.06-0.2 | 0.04-0.12 | 0.0-2.9 | 0.2-0.5 | .43 | .49 | | | |
| TyB: | | | | | | | | | | | | | | |
| Tyler | 0-8 | --- | --- | 14-26 | 1.30-1.50 | 0.6-2 | 0.18-0.22 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 8-30 | --- | --- | 20-33 | 1.40-1.60 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 30-65 | --- | --- | 18-33 | 1.60-1.85 | 0.06-0.2 | 0.04-0.12 | 0.0-2.9 | 0.2-0.5 | .43 | .49 | | | |
| Ud: | | | | | | | | | | | | | | |
| Udorthents | 0-2 | --- | --- | 27-35 | 1.35-1.60 | 0.2-0.6 | 0.14-0.20 | 3.0-5.9 | 1.0-2.0 | .32 | .32 | 5 | 4 | --- |
| | 2-65 | --- | --- | 35-50 | 1.35-1.60 | 0.06-0.2 | 0.14-0.20 | 3.0-5.9 | 1.0-2.0 | .28 | .28 | | | |
| UrB: | | | | | | | | | | | | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | --- | --- |
| UrD: | | | | | | | | | | | | | | |
| Urban Land | 0-6 | --- | --- | --- | --- | --- | 0.00-0.00 | --- | --- | --- | --- | --- | --- | --- |
| W: | | | | | | | | | | | | | | |
| Water | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| WaA: | | | | | | | | | | | | | | |
| Walkersville | 0-11 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 11-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WaB: | | | | | | | | | | | | | | |
| Walkersville | 0-11 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 11-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WaC: | | | | | | | | | | | | | | |
| Walkersville | 0-11 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 11-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WcA: | | | | | | | | | | | | | | |
| Walkersville | 0-11 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WcB: | | | | | | | | | | | | | | |
| Walkersville | 0-11 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 11-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WcC: | | | | | | | | | | | | | | |
| Walkersville | 0-8 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 5 | 8 | 0 |
| | 8-30 | --- | --- | 10-27 | 1.30-1.50 | 0.06-2 | 0.10-0.18 | 3.0-5.9 | 0.0-0.0 | .15 | .28 | | | |
| | 30-72 | --- | --- | 27-55 | 1.40-1.55 | 0.2-2 | 0.10-0.18 | 6.0-8.9 | 0.0-0.0 | .15 | .28 | | | |
| WeB: | | | | | | | | | | | | | | |
| Weikert | 0-6 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.06-0.12 | 0.0-2.9 | 1.0-4.0 | .17 | .28 | 2 | 6 | 48 |
| | 6-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| WeC: | | | | | | | | | | | | | | |
| Weikert | 0-6 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.06-0.12 | 0.0-2.9 | 1.0-4.0 | .17 | .28 | 2 | 6 | 48 |
| | 6-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| WeD: | | | | | | | | | | | | | | |
| Weikert | 0-4 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.06-0.12 | 0.0-2.9 | 1.0-4.0 | .17 | .28 | 2 | 6 | 48 |
| | 4-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| WeF: | | | | | | | | | | | | | | |
| Weikert | 0-4 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.06-0.12 | 0.0-2.9 | 1.0-4.0 | .17 | .28 | 2 | 6 | 48 |
| | 4-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| WkB: | | | | | | | | | | | | | | |
| Berks | 0-8 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 8-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| Weikert | 0-8 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 8-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| WkC: | | | | | | | | | | | | | | |
| Weikert | 0-6 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 6-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| Berks | 0-6 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 6-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| WkD: | | | | | | | | | | | | | | |
| Weikert | 0-4 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.08-0.14 | 0.0-2.9 | 1.0-4.0 | .20 | .28 | 2 | 6 | 48 |
| | 4-18 | --- | --- | 15-27 | 1.20-1.40 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 18-28 | --- | --- | --- | --- | 0.6-20 | --- | --- | --- | --- | --- | | | |
| Berks | 0-4 | --- | --- | 5-23 | 1.20-1.50 | 0.6-6 | 0.08-0.12 | 0.0-2.9 | 2.0-4.0 | .17 | .32 | 3 | 6 | 48 |
| | 4-26 | --- | --- | 5-32 | 1.20-1.60 | 0.6-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 26-36 | --- | --- | 5-20 | 1.20-1.60 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 36-46 | --- | --- | 0-0 | --- | 0.2-2 | 0.00-0.00 | --- | --- | --- | --- | | | |
| WrC: | | | | | | | | | | | | | | |
| Weverton | 0-13 | --- | --- | 5-15 | 1.00-1.20 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.5-2.0 | .10 | .24 | 4 | 8 | 0 |
| | 13-35 | --- | --- | 20-35 | 1.20-1.50 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .20 | | | |
| | 35-57 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .05 | .17 | | | |
| | 57-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| WrD: | | | | | | | | | | | | | | |
| Weverton | 0-13 | --- | --- | 5-15 | 1.00-1.20 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.5-2.0 | .10 | .24 | 4 | 8 | 0 |
| | 13-35 | --- | --- | 20-35 | 1.20-1.50 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .20 | | | |
| | 35-57 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .05 | .17 | | | |
| | 57-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| WrE: | | | | | | | | | | | | | | |
| Weverton | 0-13 | --- | --- | 5-15 | 1.00-1.20 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.5-2.0 | .10 | .24 | 4 | 8 | 0 |
| | 13-35 | --- | --- | 20-35 | 1.20-1.50 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-0.5 | .10 | .20 | | | |
| | 35-57 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .05 | .17 | | | |
| | 57-77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| WuB: | | | | | | | | | | | | | | |
| Wurno | 0-4 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.07-0.20 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 4-11 | --- | --- | 20-35 | 1.30-1.60 | 0.6-2 | 0.03-0.14 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 11-31 | --- | --- | 10-27 | 1.30-1.60 | 0.6-2 | 0.03-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 31-60 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| | 60-70 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| Nollville | 0-10 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 10-29 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 29-41 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 41-57 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 57-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| WuC: | | | | | | | | | | | | | | |
| Wurno | 0-4 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.07-0.20 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 4-11 | --- | --- | 20-35 | 1.30-1.60 | 0.6-2 | 0.03-0.14 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 11-31 | --- | --- | 10-27 | 1.30-1.60 | 0.6-2 | 0.03-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 31-60 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| | 60-70 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| Nollville | 0-10 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 10-29 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 29-41 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 41-57 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 57-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |
| WuD: | | | | | | | | | | | | | | |
| Wurno | 0-4 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.07-0.20 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 4-11 | --- | --- | 20-35 | 1.30-1.60 | 0.6-2 | 0.03-0.14 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 11-31 | --- | --- | 10-27 | 1.30-1.60 | 0.6-2 | 0.03-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 31-60 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| | 60-70 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| Nollville | 0-8 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 8-27 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 27-39 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 39-55 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 55-65 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |

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

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Permeability (Ksat) | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind erodibility group | Wind erodibility index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Kw | Kf | T | | |
| | In | Pct | Pct | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| WuE: | | | | | | | | | | | | | | |
| Wurno | 0-2 | --- | --- | 10-27 | 1.20-1.50 | 0.6-2 | 0.07-0.20 | 0.0-2.9 | 1.0-2.0 | .28 | .32 | 3 | 6 | 48 |
| | 2-9 | --- | --- | 20-35 | 1.30-1.60 | 0.6-2 | 0.03-0.14 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 9-29 | --- | --- | 10-27 | 1.30-1.60 | 0.6-2 | 0.03-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .24 | | | |
| | 29-59 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| | 59-69 | --- | --- | --- | --- | --- | --- | --- | 0.0-0.0 | --- | --- | | | |
| Nollville | 0-5 | --- | --- | 15-27 | 1.10-1.40 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.0-4.0 | .28 | .37 | 3 | 6 | 48 |
| | 5-24 | --- | --- | 25-35 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 24-33 | --- | --- | 25-45 | 1.30-1.50 | 0.6-2 | 0.14-0.20 | 3.0-5.9 | 0.0-0.5 | .28 | .37 | | | |
| | 33-52 | --- | --- | 25-45 | 1.30-1.60 | 0.6-2 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 52-62 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | |