| SOIL SERIES | MAP SYMBOLS | SURFACE TEXTURE | Kw (K) | Kf | T factor | RUSLE R factor | USLE R factor | CRL. LS | SLOPE length RANGE | SLOPE LENGTH | % SLOPE USED | LS FACTOR | HEL DET. HE- highly erodible N - not erodible | HYDRI DET. H - hydric I - inclusions N - not hydric |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Allegheny | AlB | l | 0.28 | 0.28 | 5 | 160 | 175 | 0.816 | 100-200 | 150 | 4 | 0.471 | N | N |
| Allegheny | AlC | l | 0.28 | 0.28 | 5 | 160 | 175 | 0.816 | 100-200 | 150 | 9 | 1.45 | HE | N |
| Allegheny | AlD | l | 0.28 | 0.28 | 5 | 160 | 175 | 0.816 | 50-100 | 75 | 16 | 2.46 | HE | N |
| Allegheny - rare | AnB | l | 0.28 | 0.28 | 5 | 160 | 175 | 0.816 | 100-200 | 150 | 4 | 0.471 | N | N |
| Boonesboro - frequent | Bo | sil | 0.28 | 0.28 | 2 | 160 | 175 | 0.327 | 25-200 | 110 | 1 | 0.13 | N | N |
| Cynthiana-Faywood | CnE2 | | | | | 160 | 175 | | 100-200 | 150 | 28 | 9.11 | HE | N |
| Cynthiana | | fl-sicl | 0.24 | 0.37 | 1 | 160 | 175 | 0.190 | | | | | | |
| Faywood | | sil | 0.37 | 0.37 | 2 | 160 | 175 | 0.247 | | | | | | |
| Dam | DAM | | | | | 160 | 175 | | | | | | | |
| Eden | EfD2 | fl-sicl | 0.24 | 0.37 | 3 | 160 | 175 | 0.571 | 50-150 | 100 | 13 | 2.05 | HE | N |
| Eden | EfE2 | fl-sicl | 0.24 | 0.37 | 3 | 160 | 175 | 0.571 | 50-200 | 125 | 28 | 8.31 | HE | N |
| Elk | EkB | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 100-250 | 175 | 4 | 0.5 | N | N |
| Elk | EkC | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 100-200 | 150 | 9 | 1.45 | HE | N |
| Elk | EoA | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 100-200 | 150 | 1 | 0.15 | N | N |
| Elk | ErB | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 100-250 | 175 | 4 | 0.5 | N | N |
| Fairmount | FrF | fl-sicl | 0.15 | 0.28 | 1 | 160 | 175 | 0.305 | 50-150 | 100 | 43 | 15.24 | HE | N |
| Faywood | FwB | sil | 0.37 | 0.37 | 2 | 160 | 175 | 0.247 | 100-200 | 150 | 3 | 0.325 | HE | N |
| Faywood-Cynthiana | FyD2 | | | | | 160 | 175 | | 50-150 | 100 | 13 | 2.05 | HE | N |
| Faywood | | sil | 0.37 | 0.37 | 2 | 160 | 175 | 0.247 | | | | | | |
| Cynthiana | | fl-sicl | 0.24 | 0.37 | 1 | 160 | 175 | 0.190 | | | | | | |
| Lawrence | La | sil | 0.43 | 0.43 | 3 | 160 | 175 | 0.319 | 25-200 | 110 | 1 | 0.13 | N | I-inclusions |
| Lowell - shale substratum | LwB | sil | 0.37 | 0.37 | 5 | 160 | 175 | 0.618 | 100-200 | 150 | 3 | 0.325 | N | N |
| Lowell - shale substratum | LwC2 | sil | 0.37 | 0.37 | 5 | 160 | 175 | 0.618 | 100-250 | 175 | 9 | 1.58 | HE | N |
| Lowell - shale substratum | LwD2 | sil | 0.37 | 0.37 | 5 | 160 | 175 | 0.618 | 50-150 | 100 | 16 | 2.84 | HE | N |
| Monongahela | MgB | l | 0.28 | 0.28 | 4 | 160 | 175 | 0.653 | 100-200 | 150 | 3 | 0.325 | N | N |
| Monongahela | MgC | l | 0.28 | 0.28 | 4 | 160 | 175 | 0.653 | 100-200 | 150 | 9 | 1.45 | HE | N |
| Newark | Ne | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 25-200 | 100 | 1 | 0.13 | N | I-inclusions |
| Newark - ponded | Ng | sil | 0.37 | 0.37 | 5 | 160 | 175 | 0.618 | 25-200 | 110 | 1 | 0.13 | N | H - hydric |
| Nicholson | NhB | sil | 0.37 | 0.37 | 4 | 160 | 175 | 0.494 | 25-300 | 175 | 4 | 0.5 | HE | N |
| Nicholson | NhC | sil | 0.37 | 0.37 | 4 | 160 | 175 | 0.494 | 100-200 | 150 | 9 | 1.45 | HE | N |
| Nolin | No | sil | 0.37 | 0.37 | 5 | 160 | 175 | 0.618 | 25-200 | 100 | 1 | 0.13 | N | I-inclusions |
| Otwell | OtB | sil | 0.43 | 0.43 | 4 | 160 | 175 | 0.425 | 100-250 | 175 | 4 | 0.5 | HE | N |
| Otwell | OtC | sil | 0.43 | 0.43 | 4 | 160 | 175 | 0.425 | 100-200 | 150 | 9 | 1.45 | HE | N |
| Otwell | OwB | sil | 0.43 | 0.43 | 4 | 160 | 175 | 0.425 | 50-100 | 100 | 3 | 0.287 | N | N |
| Sandview | SaB | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | 100-300 | 200 | 4 | 0.528 | N | N |
| Lowell-Faywood | uLfC | | | | | 160 | 175 | | 100-250 | 150 | 9 | 1.45 | HE | N |
| Lowell | | sil | 0.49 | 0.49 | 3 | 160 | 175 | 0.280 | | | | | | |
| Faywood | | sil | 0.43 | 0.43 | 2 | 160 | 175 | 0.213 | | | | | | |
| Lowell-Sandview | uLsoB | | | | | 160 | 175 | | 100-300 | 150 | 4 | 0.47 | HE | N |
| Lowell | | sil | 0.49 | 0.49 | 3 | 160 | 175 | 0.280 | | | | | | |
| Sandview | | sil | 0.43 | 0.43 | 5 | 160 | 175 | 0.532 | | | | | | |
| Water | W | | | | | 160 | 175 | | | | | | | |
| Wheeling | WhB | l | 0.32 | 0.32 | 4 | 160 | 175 | 0.571 | 100-250 | 150 | 4 | 0.471 | N | N |
| Wheeling | WhC | l | 0.32 | 0.32 | 4 | 160 | 175 | 0.571 | 50-200 | 125 | 9 | 1.3 | HE | N |
| Wheeling | WhF | l | 0.32 | 0.32 | 4 | 160 | 175 | 0.571 | 50-100 | 75 | 34 | 9.2 | HE | N |
| Wheeling | WnB | l | 0.37 | 0.37 | 4 | 160 | 175 | 0.494 | 100-200 | 150 | 4 | 0.471 | N | N |
| Woolper | WoC | sicl | 0.28 | 0.28 | 5 | 160 | 175 | 0.816 | 75-200 | 140 | 9 | 1.39 | HE | N |