

## RUSLE Related Attributes

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                                     | % Comp-<br>osition | Component         | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-------------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |                   |                     |     |          | % Sand               | % Silt | % Clay |
| Ab:<br>Albano silt loam  | 85                 | Albano            | D                   | .37 | 3        | 29.3                 | 53.7   | 17.0   |
| Ac:<br>Alluvial land, mixed  | 85                 | Alluvial land     | B/D                 | .20 | 5        | 63.5                 | 26.5   | 10.0   |
|  | 5                  | Wet Spots         | ---                 | --- | ---      | ---                  | ---    | ---    |
| Ad:<br>Alluvial land, cobbly   | 85                 | Alluvial land     | A/D                 | .10 | 5        | 63.5                 | 26.5   | 10.0   |
|  | 5                  | Wet Spots         | ---                 | --- | ---      | ---                  | ---    | ---    |
| AIA:<br>Altavista loam, clayey subsoil variant,<br>0 to 2 percent slopes | 85                 | Altavista variant | C                   | .24 | 5        | 43.3                 | 39.7   | 17.0   |
| AIB:<br>Altavista loam, clayey subsoil variant,<br>2 to 7 percent slopes | 85                 | Altavista variant | C                   | .24 | 5        | 43.3                 | 39.7   | 17.0   |
| ApB:<br>Appling fine sandy loam, 2 to 7 percent<br>slopes                | 85                 | Appling           | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
|  | 1                  | Wet Spots         | ---                 | --- | ---      | ---                  | ---    | ---    |
| ApC:<br>Appling fine sandy loam, 7 to 15<br>percent slopes               | 85                 | Appling           | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
| ApD2:<br>Appling fine sandy loam, 7 to 20<br>percent slopes, eroded      | 85                 | Appling           | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
| ArB:<br>Appling fine sandy loam, very deep, 2<br>to 7 percent slopes     | 85                 | Appling           | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                                 | % Comp-<br>osition | Component       | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |                 |                     |     |          | % Sand               | % Silt | % Clay |
| Au:<br>Augusta silt loam, clayey subsoil<br>variant                  | 85                 | Augusta variant | C                   | .24 | 4        | 29.1                 | 53.4   | 17.5   |
|  | 3                  | Wet spots       | ---                 | --- | ---      | ---                  | ---    | ---    |
| BaB:<br>Baile stony silt loam, 2 to 7 percent<br>slopes              | 85                 | Baile           | D                   | .43 | 5        | 21.7                 | 54.8   | 23.5   |
| BcB:<br>Braddock-Thurmont loams, 2 to 7<br>percent slopes            | 50                 | Braddock        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
|  | 30                 | Thurmont        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
| BcC:<br>Braddock-Thurmont loams, 7 to 15<br>percent slopes           | 50                 | Braddock        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
|  | 30                 | Thurmont        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
| BcD2:<br>Braddock-Thurmont loams, 15 to 25<br>percent slopes, eroded | 50                 | Braddock        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
|  | 30                 | Thurmont        | B                   | .32 | 4        | 43.0                 | 39.5   | 17.5   |
| BdC:<br>Brandywine fine gravelly loam, 7 to 15<br>percent slopes     | 85                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BdD:<br>Brandywine fine gravelly loam 15 to 25<br>percent slopes     | 85                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BeC:<br>Brandywine loam, very deep, 5 to 15<br>percent slopes        | 85                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component  | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |            |                     |     |          | % Sand               | % Silt | % Clay |
| BeD:<br>Brandywine loam, very deep, 15 to 25<br>percent slopes               | 85                 | Brandywine | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BeF:<br>Brandywine loam, very deep, 25 to 45<br>percent slopes               | 85                 | Brandywine | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BnD:<br>Brandywine stony loam, very deep, 7<br>to 25 percent slopes          | 85                 | Brandywine | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BnF:<br>Brandywine stony loam, very deep, 25<br>to 50 percent slopes         | 85                 | Brandywine | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| BrC:<br>Bremo silt loam, 7 to 15 percent slopes                              | 85                 | Bremo      | C                   | .28 | 2        | 26.5                 | 53.5   | 20.0   |
| BrE:<br>Bremo silt loam, 15 to 35 percent<br>slopes                          | 85                 | Bremo      | C                   | .28 | 2        | 26.5                 | 53.5   | 20.0   |
| BsB:<br>Bucks loam, permeable substratum, 2<br>to 7 percent slopes, eroded   | 85                 | Bucks      | B                   | .37 | 4        | 43.0                 | 39.5   | 17.5   |
| BsC2:<br>Bucks loam, permeable substratum, 7<br>to 15 percent slopes, eroded | 85                 | Bucks      | B                   | .37 | 4        | 43.0                 | 39.5   | 17.5   |
| Bu:<br>Buncombe loamy fine sand  | 85                 | Buncombe   | A                   | .10 | 5        | 83.1                 | 9.4    | 7.5    |
| CbB:<br>Calverton and Creedmoor silt loams, 0<br>to 7 percent slopes         | 50                 | Calverton  | C                   | .43 | 3        | 27.1                 | 54.4   | 18.5   |
|  | 50                 | Creedmoor  | C                   | .28 | 3        | 30.1                 | 54.9   | 15.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| CcC:<br>Catoctin silt loam, 7 to 15 percent<br>slopes                            | 85                 | Catoctin  | C                   | .32 | 2        | 30.1                 | 54.9   | 15.0   |
| CcE:<br>Catoctin silt loam, 15 to 45 percent<br>slopes                           | 85                 | Catoctin  | C                   | .32 | 2        | 30.1                 | 54.9   | 15.0   |
| CeB:<br>Cecil fine sandy loam, 2 to 7 percent<br>slopes                          | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CeB2:<br>Cecil fine sandy loam, 2 to 7 percent<br>slopes, eroded                 | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CeC:<br>Cecil fine sandy loam, 7 to 15 percent<br>slopes                         | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CeC2:<br>Cecil fine sandy loam, 7 to 15 percent<br>slopes, eroded                | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CeD2:<br>Cecil fine sandy loam, 15 to 25 percent<br>slopes, eroded               | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CfB:<br>Cecil fine sandy loam, very deep, 2 to<br>7 percent slopes               | 85                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
| CgC3:<br>Cecil clay loam, 7 to 15 percent<br>slopes, severely eroded             | 85                 | Cecil     | B                   | .28 | 3        | 34.4                 | 37.6   | 28.0   |
| ChC:<br>Cecil and Appling fine sandy loams,<br>very deep, 7 to 15 percent slopes | 55                 | Cecil     | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
|  | 40                 | Appling   | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component       | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |                 |                     |     |          | % Sand               | % Silt | % Clay |
| ChC2:<br>Cecil and Appling fine sandy loams,<br>very deep, 7 to 15 percent slopes,<br>eroded | 50                 | Cecil           | B                   | .28 | 4        | 70.9                 | 16.6   | 12.5   |
|  | 45                 | Appling         | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
| CkB:<br>Chester-Brandywine loams, very deep,<br>2 to 7 percent slopes                        | 50                 | Chester         | B                   | .32 | 5        | 43.5                 | 40.0   | 16.5   |
|  | 30                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| CkC:<br>Chester-Brandywine loams, very deep,<br>7 to 15 percent slopes                       | 50                 | Chester         | B                   | .32 | 5        | 43.5                 | 40.0   | 16.5   |
|  | 30                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| CkC2:<br>Chester-Brandywine loams, very deep,<br>7 to 15 percent slopes, eroded              | 50                 | Chester         | B                   | .32 | 5        | 43.5                 | 40.0   | 16.5   |
|  | 30                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| CkD:<br>Chester-Brandywine loams, very deep,<br>15 to 25 percent slopes                      | 50                 | Chester         | B                   | .32 | 5        | 43.5                 | 40.0   | 16.5   |
|  | 30                 | Brandywine      | A                   | .24 | 2        | 45.7                 | 41.8   | 12.5   |
| Cm:<br>Chewacla silt loam  | 85                 | Chewacla        | C                   | .28 | 5        | 22.4                 | 55.1   | 22.5   |
|  | 5                  | Wet Spots       | ---                 | --- | ---      | ---                  | ---    | ---    |
| Cn:<br>Codorus loam, cobbly subsoil variant  | 85                 | Codorus variant | C                   | .37 | 5        | 42.1                 | 37.9   | 20.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                            | % Comp-<br>osition | Component      | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|----------------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |                |                     |     |          | % Sand               | % Silt | % Clay |
| CoC:<br>Colfax fine sandy loam, 2 to 10<br>percent slopes       | 85                 | Colfax         | C                   | .17 | 3        | 70.9                 | 16.6   | 12.5   |
| Cr:<br>Colluvial land, very stony                               | 85                 | Colluvial land | ---                 | --- | ---      | ---                  | ---    | ---    |
| Cu:<br>Colluvial land, extremely stony                          | 85                 | Colluvial land | ---                 | --- | ---      | ---                  | ---    | ---    |
| Cv:<br>Congaree fine sandy loam                                 | 85                 | Congaree       | B                   | .24 | 5        | 68.5                 | 21.5   | 10.0   |
| Cw:<br>Congaree loam  | 85                 | Congaree       | B                   | .37 | 5        | 43.0                 | 39.5   | 17.5   |
| DaB2:<br>Davidson clay loam, 2 to 7 percent<br>slopes eroded    | 85                 | Davidson       | B                   | .28 | 5        | 34.7                 | 37.8   | 27.5   |
| DaC2:<br>Davidson clay loam, 7 to 15 percent<br>slopes, eroded  | 85                 | Davidson       | B                   | .28 | 5        | 34.7                 | 37.8   | 27.5   |
| DaD2:<br>Davidson clay loam, 15 to 25 percent<br>slopes, eroded | 85                 | Davidson       | B                   | .28 | 5        | 34.7                 | 37.8   | 27.5   |
| DkB:<br>Dyke loam, 2 to 7 percent slopes                        | 85                 | Dyke           | B                   | .37 | 4        | 43.0                 | 38.5   | 18.5   |
| DkC2:<br>Dyke loam, 7 to 15 percent slopes,<br>eroded           | 85                 | Dyke           | B                   | .37 | 4        | 43.0                 | 38.5   | 18.5   |
| DkE2:<br>Dyke loam, 15 to 35 percent slopes,<br>eroded          | 85                 | Dyke           | B                   | .37 | 4        | 43.0                 | 38.5   | 18.5   |
| Eb:<br>Elbert silt loam   | 85                 | Elbert         | D                   | .43 | 3        | 26.3                 | 52.7   | 21.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name  | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| EIB:<br>Elioak fine sandy loam, 2 to 7 percent<br>slopes                    | 85                 | Elioak    | C                   | .32 | 5        | 66.9                 | 14.1   | 19.0   |
| EIB2:<br>Elioak fine sandy loam, 2 to 7 percent<br>slopes, eroded           | 85                 | Elioak    | C                   | .32 | 5        | 66.9                 | 14.1   | 19.0   |
| EIC:<br>Elioak fine sandy loam, 7 to 15 percent<br>slopes                   | 85                 | Elioak    | C                   | .32 | 5        | 66.9                 | 14.1   | 19.0   |
| EIC2:<br>Elioak fine sandy loam, 7 to 15 percent<br>slopes, eroded          | 85                 | Elioak    | C                   | .32 | 5        | 66.9                 | 14.1   | 19.0   |
| EID2:<br>Elioak fine sandy loam, 15 to 25<br>percent slopes, eroded         | 85                 | Elioak    | C                   | .32 | 5        | 66.9                 | 14.1   | 19.0   |
| EmB:<br>Elioak loam, 2 to 7 percent slopes                                  | 85                 | Elioak    | C                   | .32 | 5        | 41.6                 | 37.4   | 21.0   |
| EmB2:<br>Elioak loam, 2 to 7 percent slopes,<br>eroded                      | 85                 | Elioak    | C                   | .32 | 5        | 41.6                 | 37.4   | 21.0   |
| EmC2:<br>Elioak loam, 7 to 15 percent slopes,<br>eroded                     | 85                 | Elioak    | C                   | .32 | 5        | 41.6                 | 37.4   | 21.0   |
| EmD2:<br>Elioak loam, 15 to 25 percent slopes,<br>eroded                    | 85                 | Elioak    | C                   | .32 | 5        | 41.6                 | 37.4   | 21.0   |
| EnC3:<br>Elioak silty clay loam, 7 to 15 percent<br>slopes, severely eroded | 85                 | Elioak    | C                   | .28 | 5        | 16.9                 | 48.1   | 35.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| EnD3:<br>Elioak silty clay loam, 15 to 25 percent<br>slopes, severely eroded   | 85                 | Elioak    | C                   | .28 | 5        | 16.9                 | 48.1   | 35.0   |
| EsB:<br>Eubanks fine gravelly loam, 2 to 7<br>percent slopes                   | 85                 | Eubanks   | B                   | .24 | 4        | 44.3                 | 40.7   | 15.0   |
| EsC:<br>Eubanks fine gravelly loam, 7 to 15<br>percent slopes                  | 85                 | Eubanks   | B                   | .24 | 4        | 44.3                 | 40.7   | 15.0   |
| EsC2:<br>Eubanks fine gravelly loam, 7 to 15<br>percent slopes, eroded         | 85                 | Eubanks   | B                   | .24 | 4        | 44.3                 | 40.7   | 15.0   |
| EtB:<br>Eubanks loam, very deep, 2 to 7<br>percent slopes                      | 85                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
| EtC2:<br>Eubanks loam, very deep, 7 to 15<br>percent slopes eroded             | 85                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
| EtD2:<br>Eubanks loam, very deep, 15 to 25<br>percent slopes, eroded           | 85                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
| EuC3:<br>Eubanks-Lloyd clay loams, 7 to 15<br>slopes, severely eroded          | 60                 | Eubanks   | B                   | .32 | 3        | 34.4                 | 37.6   | 28.0   |
|  | 35                 | Lloyd     | C                   | .24 | 3        | 34.2                 | 32.3   | 33.5   |
| EuD3:<br>Eubanks-Lloyd clay loams, 15 to 25<br>percent slopes, severely eroded | 60                 | Eubanks   | B                   | .32 | 3        | 34.4                 | 37.6   | 28.0   |
|  | 35                 | Lloyd     | C                   | .24 | 3        | 34.2                 | 32.3   | 33.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| EuE3:<br>Eubanks-Lloyd clay loams, 25 to 45<br>percent slopes, severely eroded | 60                 | Eubanks   | B                   | .32 | 3        | 34.4                 | 37.6   | 28.0   |
|  | 35                 | Lloyd     | C                   | .24 | 3        | 34.2                 | 32.3   | 33.5   |
| EyB:<br>Eubanks-Lloyd loams, 2 to 7 percent<br>slopes                          | 55                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
|  | 45                 | Lloyd     | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| EyB2:<br>Eubanks-Lloyd loams, 2 to 7 percent<br>slopes, eroded                 | 55                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
|  | 45                 | Lloyd     | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| EyC:<br>Eubanks-Lloyd loams, 7 to 15 percent<br>slopes                         | 55                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
|  | 40                 | Lloyd     | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| EyC2:<br>Eubanks-Lloyd loams, 7 to 15 percent<br>slopes, eroded                | 55                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
|  | 40                 | Lloyd     | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| EyD2:<br>Eubanks-Lloyd loams, 15 to 25<br>percent slopes, eroded               | 65                 | Eubanks   | B                   | .32 | 4        | 44.3                 | 40.7   | 15.0   |
|  | 30                 | Lloyd     | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| FaB:<br>Fauquier silt loam, 2 to 7 percent<br>slopes                           | 85                 | Fauquier  | C                   | .32 | 3        | 26.5                 | 53.5   | 20.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                                  | % Comp-<br>osition | Component  | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|------------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |            |                     |     |          | % Sand               | % Silt | % Clay |
| FcB2:<br>Fauquier silty clay loam, 2 to 7 percent<br>slopes, eroded   | 85                 | Fauquier   | C                   | .32 | 3        | 17.6                 | 53.4   | 29.0   |
| FcC2:<br>Fauquier silty clay loam, 7 to 15<br>percent slopes, eroded  | 85                 | Fauquier   | C                   | .32 | 3        | 17.6                 | 53.4   | 29.0   |
| FcD2:<br>Fauquier silty clay loam, 15 to 25<br>percent slopes, eroded | 85                 | Fauquier   | C                   | .32 | 3        | 17.6                 | 53.4   | 29.0   |
| GIC2:<br>Glenelg loam, 5 to 15 percent slopes,<br>eroded              | 85                 | Glenelg    | B                   | .32 | 5        | 42.1                 | 37.9   | 20.0   |
| GID2:<br>Glenelg loam, 15 to 25 percent slopes,<br>eroded             | 85                 | Glenelg    | B                   | .32 | 5        | 42.1                 | 37.9   | 20.0   |
| GP:<br>Gravel pit   | 100                | Gravel pit | ---                 | --- | ---      | ---                  | ---    | ---    |
| HaC:<br>Hazel loam, 7 to 15 percent slopes                            | 85                 | Hazel      | C                   | .32 | 2        | 45.7                 | 41.8   | 12.5   |
| HaD:<br>Hazel loam, 15 to 25 percent slopes                           | 85                 | Hazel      | C                   | .32 | 2        | 45.7                 | 41.8   | 12.5   |
| HaF:<br>Hazel loam, 25 to 55 percent slopes                           | 85                 | Hazel      | C                   | .32 | 2        | 45.7                 | 41.8   | 12.5   |
| HsB:<br>Hiwassee loam, 2 to 7 percent slopes                          | 85                 | Hiwassee   | B                   | .28 | 5        | 39.8                 | 37.7   | 22.5   |
| HsB2:<br>Hiwassee loam, 2 to 7 percent slopes,<br>eroded              | 85                 | Hiwassee   | B                   | .28 | 5        | 39.8                 | 37.7   | 22.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                               | % Comp-<br>osition | Component  | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |            |                     |     |          | % Sand               | % Silt | % Clay |
| HsC2:<br>Hiwassee loam, 7 to 15 percent<br>slopes, eroded          | 85                 | Hiwassee   | B                   | .28 | 5        | 39.8                 | 37.7   | 22.5   |
| HsD2:<br>Hiwassee loam, 15 to 25 percent<br>slopes, eroded         | 85                 | Hiwassee   | B                   | .28 | 5        | 39.8                 | 37.7   | 22.5   |
| IrB:<br>Iredell silt loam, 2 to 7 percent slopes                   | 85                 | Iredell    | C/D                 | .32 | 3        | 20.5                 | 54.5   | 25.0   |
|  | 2                  | Wet spots  | ---                 | --- | ---      | ---                  | ---    | ---    |
| LeD:<br>Lewisberry sandy loam, 10 to 25<br>percent slopes          | 85                 | Lewisberry | B                   | .20 | 3        | 65.7                 | 22.8   | 11.5   |
| LfB:<br>Lloyd fine sandy loam, 2 to 7 percent<br>slopes            | 85                 | Lloyd      | C                   | .20 | 4        | 68.1                 | 14.4   | 17.5   |
| LfC2:<br>Lloyd fine sandy loam, 7 to 15 percent<br>slopes, eroded  | 85                 | Lloyd      | C                   | .20 | 4        | 68.1                 | 14.4   | 17.5   |
| LfD2:<br>Lloyd fine sandy loam, 15 to 25<br>percent slopes, eroded | 85                 | Lloyd      | C                   | .20 | 4        | 68.1                 | 14.4   | 17.5   |
| LIB:<br>Lloyd loam, 2 to 7 percent slopes                          | 85                 | Lloyd      | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| LIB2:<br>Lloyd loam, 2 to 7 percent slopes,<br>eroded              | 85                 | Lloyd      | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| LIC2:<br>Lloyd loam, 7 to 15 percent slopes,<br>eroded             | 85                 | Lloyd      | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name  | % Comp-<br>osition | Component     | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|---------------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |               |                     |     |          | % Sand               | % Silt | % Clay |
| LmB2:<br>Lloyd loam, thin solum variant, 2 to 7<br>percent slopes, eroded   | 85                 | Lloyd variant | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| LmC2:<br>Lloyd loam, thin solum variant, 7 to 15<br>percent slopes, eroded  | 85                 | Lloyd variant | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| LmD2:<br>Lloyd loam, thin solum variant, 15 to<br>25 percent slopes, eroded | 85                 | Lloyd variant | C                   | .37 | 4        | 41.6                 | 37.4   | 21.0   |
| LnC3:<br>Lloyd clay loam, 7 to 15 percent<br>slopes, severely eroded        | 85                 | Lloyd         | C                   | .24 | 3        | 34.2                 | 32.3   | 33.5   |
| LnD3:<br>Lloyd clay loam, 15 to 25 percent<br>slopes, severely eroded       | 85                 | Lloyd         | C                   | .24 | 3        | 34.2                 | 32.3   | 33.5   |
| LoC:<br>Louisburg sandy loam, 5 to 15 percent<br>slopes                     | 85                 | Louisburg     | B                   | .24 | 3        | 66.9                 | 23.1   | 10.0   |
| LoD:<br>Louisburg sandy loam, 15 to 25<br>percent slopes                    | 85                 | Louisburg     | B                   | .24 | 3        | 66.9                 | 23.1   | 10.0   |
| LoF:<br>Louisburg sandy loam, 25 to 55<br>percent slopes                    | 85                 | Louisburg     | B                   | .24 | 3        | 66.9                 | 23.1   | 10.0   |
| Ma:<br>Made land  | 100                | Madeland      | ---                 | --- | ---      | ---                  | ---    | ---    |
| MnB:<br>Manassas silt loam, 2 to 7 percent<br>slopes                        | 85                 | Manassas      | B                   | .37 | 4        | 27.1                 | 54.4   | 18.5   |
|   | 1                  | Wet spots     | ---                 | --- | ---      | ---                  | ---    | ---    |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name  | % Comp-<br>osition | Component   | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|-------------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |             |                     |     |          | % Sand               | % Silt | % Clay |
| MoC:<br>Manor silt loam, 7 to 20 percent slopes                               | 85                 | Manor       | B                   | .37 | 5        | 29.1                 | 53.4   | 17.5   |
| MuB:<br>Mayodan fine sandy loam, 2 to 7<br>percent slopes                     | 85                 | Mayodan     | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
| MuC2:<br>Mayodan fine sandy loam, 7 to 15<br>percent slopes, eroded           | 85                 | Mayodan     | B                   | .24 | 4        | 70.9                 | 16.6   | 12.5   |
| MvB:<br>Meadowville loam, 2 to 7 percent<br>slopes                            | 85                 | Meadowville | B                   | .37 | 3        | 43.0                 | 38.5   | 18.5   |
|   | 1                  | Wet spots   | ---                 | --- | ---      | ---                  | ---    | ---    |
| MvC:<br>Meadowville loam, 7 to 15 percent<br>slopes                           | 85                 | Meadowville | B                   | .37 | 3        | 43.0                 | 38.5   | 18.5   |
| MyC:<br>Myersville-Catoctin very stony silt<br>loams, 7 to 15 percent slopes  | 65                 | Myersville  | B                   | .28 | 4        | 30.4                 | 55.6   | 14.0   |
|   | 30                 | Catoctin    | C                   | .32 | 2        | 30.1                 | 54.9   | 15.0   |
| MyD:<br>Myersville-Catoctin very stony silt<br>loams, 15 to 25 percent slopes | 65                 | Myersville  | B                   | .28 | 4        | 30.4                 | 55.6   | 14.0   |
|   | 30                 | Catoctin    | C                   | .32 | 2        | 30.1                 | 54.9   | 15.0   |
| MyE:<br>Myersville-Catoctin very stony silt<br>loam, 25 to 45 percent slopes  | 65                 | Myersville  | B                   | .28 | 4        | 30.4                 | 55.6   | 14.0   |
|   | 30                 | Catoctin    | C                   | .32 | 2        | 30.1                 | 54.9   | 15.0   |
| PnC:<br>Penn loam, 5 to 15 percent slopes                                     | 85                 | Penn        | C                   | .32 | 3        | 44.3                 | 40.7   | 15.0   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                                      | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| PnD:<br>Penn loam, 15 to 25 percent slopes                                | 85                 | Penn      | C                   | .32 | 3        | 44.3                 | 40.7   | 15.0   |
| PoC:<br>Porters very stony loam, 7 to 15<br>percent slopes                | 85                 | Porters   | B                   | .17 | 3        | 44.3                 | 40.7   | 15.0   |
| PoD:<br>Porters very stony loam, 15 to 25<br>percent slopes               | 85                 | Porters   | B                   | .17 | 3        | 44.3                 | 40.7   | 15.0   |
| PoF:<br>Porters very stony loam, 25 to 50<br>percent slopes               | 85                 | Porters   | B                   | .17 | 3        | 44.3                 | 40.7   | 15.0   |
| RdB:<br>Rapidan silt loam, 2 to 7 percent slopes                          | 85                 | Rapidan   | B                   | .37 | 4        | 26.3                 | 52.7   | 21.0   |
| ReC2:<br>Rapidan silty clay loam, 7 to 15<br>percent slopes, eroded       | 85                 | Rapidan   | B                   | .37 | 3        | 18.1                 | 50.9   | 31.0   |
| Rh:<br>Riverwash  | 85                 | Riverwash | D                   | --- | ---      | ---                  | ---    | ---    |
| Rk:<br>Roanoke silt loam  | 85                 | Roanoke   | D                   | .37 | 4        | 27.1                 | 54.4   | 18.5   |
| Rn:<br>Rock land, acidic  | 85                 | Rock land | D                   | --- | ---      | ---                  | ---    | ---    |
| Ro:<br>Rock land, basic   | 85                 | Rock land | D                   | --- | ---      | ---                  | ---    | ---    |
| RrD:<br>Rock land, myersville and catoctin<br>materials, moderately steep | 85                 | Rock land | D                   | --- | ---      | ---                  | ---    | ---    |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name                                | % Comp-<br>osition | Component    | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|---|--------------------|--------------|---------------------|-----|----------|----------------------|--------|--------|
|   |                    |              |                     |     |          | % Sand               | % Silt | % Clay |
| RrE:<br>Rock land, myersville and catoctin<br>materials, steep      | 85                 | Rock land    | ---                 | --- | ---      | ---                  | ---    | ---    |
| RtD:<br>Rock land, porters and hazel<br>materials, moderately steep | 85                 | Rock land    | ---                 | --- | ---      | ---                  | ---    | ---    |
| RtE:<br>Rock land, porters and hazel<br>materials, steep            | 85                 | Rock land    | ---                 | --- | ---      | ---                  | ---    | ---    |
| Ru:<br>Rock outcrop   | 85                 | Rock outcrop | ---                 | --- | ---      | ---                  | ---    | ---    |
| SrC:<br>Starr silt loam, 2 to 10 percent slopes                     | 85                 | Starr        | C                   | .28 | 5        | 20.5                 | 54.5   | 25.0   |
| TrC:<br>Trego loam, 2 to 10 percent slopes                          | 85                 | Trego        | B                   | .32 | 5        | 43.0                 | 39.5   | 17.5   |
|   | 1                  | Wet spots    | ---                 | --- | ---      | ---                  | ---    | ---    |
| TuB:<br>Tusquitee stony loam, 2 to 7 percent<br>slopes              | 85                 | Tusquitee    | B                   | .17 | 5        | 45.7                 | 41.8   | 12.5   |
| TuC:<br>Tusquitee stony loam, 7 to 15 percent<br>slopes             | 85                 | Tusquitee    | B                   | .17 | 5        | 45.7                 | 41.8   | 12.5   |
| TuD:<br>Tusquitee stony loam, 15 to 25 percent<br>slopes            | 85                 | Tusquitee    | B                   | .17 | 5        | 45.7                 | 41.8   | 12.5   |
| TuE:<br>Tusquitee stony loam, 25 to 45 percent<br>slopes            | 85                 | Tusquitee    | B                   | .17 | 5        | 45.7                 | 41.8   | 12.5   |
| UnB:<br>Unison loam, 2 to 7 percent slopes                          | 85                 | Unison       | B                   | .32 | 5        | 43.0                 | 39.5   | 17.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name   | % Comp-<br>osition | Component       | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |                 |                     |     |          | % Sand               | % Silt | % Clay |
| UnC:<br>Unison loam, 7 to 15 percent slopes                                      | 85                 | Unison          | B                   | .32 | 5        | 43.0                 | 39.5   | 17.5   |
| UnD:<br>Unison loam, 15 to 25 percent slopes                                     | 85                 | Unison          | B                   | .32 | 5        | 43.0                 | 39.5   | 17.5   |
| UsC:<br>Unison very stony silt loam, 7 to 15<br>percent slopes                   | 85                 | Unison          | B                   | .24 | 4        | 29.1                 | 53.4   | 17.5   |
| UsD:<br>Unison very stony silt loam, 15 to 25<br>percent slopes                  | 85                 | Unison          | B                   | .24 | 4        | 29.1                 | 53.4   | 17.5   |
| W:<br>Water  | 100                | Water           | ---                 | --- | ---      | ---                  | ---    | ---    |
| WaC:<br>Watt channery silt loam, 5 to 15<br>percent slopes                       | 85                 | Watt            | D                   | .32 | 2        | 27.1                 | 54.4   | 18.5   |
| WaE:<br>Watt channery silt loam, 15 to 35<br>percent slopes                      | 85                 | Watt            | D                   | .32 | 2        | 27.1                 | 54.4   | 18.5   |
| We:<br>Wehadkee silt loam  | 85                 | Wehadkee        | D                   | .32 | 5        | 21.9                 | 55.1   | 23.0   |
| WhB:<br>Wickham loam, clayey subsoil variant,<br>2 to 7 percent slopes           | 85                 | Wickham variant | B                   | .24 | 5        | 45.3                 | 43.2   | 11.5   |
| WhC2:<br>Wickham loam, clayey subsoil variant,<br>7 to 15 percent slopes, eroded | 85                 | Wickham variant | B                   | .24 | 5        | 45.3                 | 43.2   | 11.5   |
| WmB:<br>Worsham loam, 2 to 7 percent slopes                                      | 85                 | Worsham         | D                   | .37 | 4        | 43.0                 | 39.5   | 17.5   |

## RUSLE Related Attributes - Continued

Madison County, Virginia

| Map Unit Symbol<br>and Map Unit Name           | % Comp-<br>osition | Component | Hydrologic<br>Group | Kw  | T Factor | Representative Value |        |        |
|--|--------------------|-----------|---------------------|-----|----------|----------------------|--------|--------|
|  |                    |           |                     |     |          | % Sand               | % Silt | % Clay |
| ZoB:<br>Zion silt loam, 2 to 7 percent slopes  | 85                 | Zion      | C                   | .37 | 2        | 29.1                 | 53.4   | 17.5   |
| ZoC:<br>Zion silt loam, 7 to 15 percent slopes | 85                 | Zion      | C                   | .37 | 2        | 29.1                 | 53.4   | 17.5   |