

## Engineering Interpretations

### **Water Management**

Interpretations of soils for water management are given as limitations for pond reservoir areas; embankments, dikes, and levees; excavated pond (aquifer-fed); and as restrictive features that affect drainage, irrigation, terraces and diversions, and grassed waterways.

**POND RESERVOIR AREA** is the area that holds water behind a dam or embankment. Soils best suited to this use have a low seepage potential, which is determined by the permeability and depth to fractured or permeable bedrock, or other permeable material.

**EMBANKMENTS, DIKES, AND LEVEES** are raised structures of soil material constructed to impound water or protect land against overflow. They generally are less than 20 feet high and are constructed of "homogeneous" soil material (without a core zone) and compacted to medium density.

**EXCAVATED PONDS (AQUIFER-FED)** are bodies of water created by excavating a pit or dugout into a ground-water aquifer. Excluded are ponds which are fed by surface runoff or that have embankments that impound water 3 feet or more above the original surface.

**DRAINAGE** is the process of removing excess surface and subsurface water from agricultural land. Soil features are listed that affect grading, excavation, and stability of trench sides or ditch banks. Features are also listed which might affect productivity after drainage is installed. The availability of drainage outlets must also be considered.

**IRRIGATION** is the controlled application of water to supplement rainfall for supporting plant growth. Soil features are listed that affect design, layout, construction, management, or performance of an irrigation system.

**TERRACES AND DIVERSIONS** are embankments or a combination of an embankment and a channel constructed across a slope to control erosion by diverting or storing surface runoff instead of permitting it to flow uninterrupted down the slope. Soil features are listed that affect the construction of terraces and diversions and that may cause problems after construction.

**GRASSED WATERWAYS** are natural or constructed channels that generally are broad and shallow and are covered with erosion-resistant grasses. They are used to conduct surface water to outlets at a nonerosive velocity. Soil features are listed that affect the construction and maintenance of the waterway, and also that affect the growth of grass after construction.

*This subsection includes:*

- **(a) Water Management**

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas  |              | Drainage  |                      | Irrigation  |                      | Terraces and diversions  |                      | Grassed waterways  |                      |
|--------------------------|---|--------------|---|----------------------|---|----------------------|--|----------------------|--|----------------------|
|                          | Rating class and limiting features  | Value        | Rating class and limiting features  | Value                | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                |
| 66014:<br>Haymond-----   | Very limited<br>~seepage<br>(very limited)                                | 1.00         | Limited<br>~flooding<br>(limited)   | 0.90                 | Limited<br>~flooding<br>(limited)<br>~erodes easily<br>(moderately limited)   | 0.60                 | Moderately limited<br>~erodes easily<br>(moderately limited)   | 0.60                 | Moderately limited<br>~erodes easily<br>(moderately limited)   | 0.60                 |
| 70028:<br>Moko-----      | Very limited<br>~bedrock <20 in.<br>(very limited)<br>~slope<br>(limited) | 1.00<br>0.70 | Very limited<br>~shallow to bedrock<br>(very limited)<br>~slope<br>(very limited)<br>~large surface stones<br>(limited) | 1.00<br>1.00<br>0.79 | Very limited<br>~shallow to bedrock<br>(very limited)<br>~droughty<br>(very limited)<br>~slope<br>(very limited)            | 1.00<br>1.00<br>1.00 | Very limited<br>~depth to bedrock<br>(very limited)<br>~large surface stones<br>(limited)<br>~slope<br>(limited)                   | 1.00<br>0.79<br>0.70 | Very limited<br>~bedrock <20 in.<br>(very limited)<br>~droughty<br>(very limited)<br>~large surface stones<br>(limited)            | 1.00<br>1.00<br>0.79 |
| Rock outcrop---          | Not rated   |              | Not rated   |                      | Not rated   |                      | Not rated  |                      | Not rated  |                      |
| 73012:<br>Gravois-----   | Moderately limited<br>~slope<br>(moderately limited)                      | 0.30         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)   | 0.98<br>0.39         | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited)           | 0.98<br>0.60<br>0.39 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br>0.55<br>0.30 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br>0.55<br>0.30 |
| 73035:<br>Gravois-----   | Limited<br>~slope<br>(limited)  | 0.89         | Very limited<br>~slope<br>(very limited)<br>~percs slowly<br>(moderately limited)                                       | 1.00<br>0.39         | Very limited<br>~slope<br>(very limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.60<br>0.39 | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)                       | 0.89<br>0.60<br>0.55 | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)                       | 0.89<br>0.60<br>0.55 |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas   |                          | Drainage  |                          | Irrigation  |                          | Terraces and diversions  |                          | Grassed waterways  |                          |
|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|--|--------------------------|
|                          | Rating class and limiting features   | Value                    | Rating class and limiting features  | Value                    | Rating class and limiting features  | Value                    | Rating class and limiting features   | Value                    | Rating class and limiting features   | Value                    |
| 73039:<br>Glensted-----  | Not limited  |                          | Moderately limited<br>~percs slowly<br>(moderately limited)   | 0.39                     | Moderately limited<br>~percs slowly<br>(moderately limited)   | 0.39                     | Very limited<br>~wetness<br>(very limited)   | 1.00                     | Very limited<br>~wetness<br>(very limited)   | 1.00                     |
| 73046:<br>Wrengart-----  | Moderately limited<br>~seepage<br>(moderately limited)<br>~slope<br>(moderately limited)                       | 0.50<br><br>0.30         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(slightly limited)   | 0.98<br><br>0.13         | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(slightly limited)     | 0.98<br><br>0.60<br>0.13 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br><br>0.31<br>0.30 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br><br>0.31<br>0.30 |
| 73052:<br>Lily-----      | Very limited<br>~seepage<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~slope<br>(moderately limited) | 1.00<br><br>0.94<br>0.30 | Limited<br>~slope<br>(limited)<br>~depth to bedrock<br>(limited)  | 0.98<br><br>0.66         | Limited<br>~slope<br>(limited)<br>~depth to bedrock<br>(limited)  | 0.98<br><br>0.66         | Very limited<br>~depth to bedrock<br>(very limited)<br>~slope<br>(moderately limited)  | 1.00<br><br>0.30         | Limited<br>~depth to bedrock<br>(limited)<br>~slope<br>(moderately limited)  | 0.94<br><br>0.30         |
| 73053:<br>Lily-----      | Very limited<br>~seepage<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~slope<br>(moderately limited) | 1.00<br><br>0.95<br>0.60 | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br><br>0.76<br>0.57 | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br><br>0.76<br>0.57 | Very limited<br>~depth to bedrock<br>(very limited)<br>~slope<br>(moderately limited)  | 1.00<br><br>0.60         | Limited<br>~depth to bedrock<br>(limited)<br>~slope<br>(moderately limited)<br>~droughty<br>(moderately limited)                   | 0.95<br><br>0.60<br>0.48 |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name     | Pond reservoir areas                       |       | Drainage                                      |       | Irrigation                                  |       | Terraces and diversions                             |       | Grassed waterways                               |       |
|------------------------------|--|-------|---|-------|---|-------|---|-------|---|-------|
|                              | Rating class and limiting features         | Value | Rating class and limiting features            | Value | Rating class and limiting features          | Value | Rating class and limiting features                  | Value | Rating class and limiting features              | Value |
| 73053: (cont)<br>Bender----- | Very limited<br>~seepage<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~droughty<br>(very limited) | 1.00  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Very limited<br>~large stones<br>(very limited) | 1.00  |
|                              | ~depth to bedrock<br>(limited)             | 0.95  | ~depth to bedrock<br>(limited)                | 0.76  | ~slope<br>(very limited)                    | 1.00  | ~large stones<br>(very limited)                     | 1.00  | ~droughty<br>(very limited)                     | 1.00  |
|                              | ~slope<br>(moderately limited)             | 0.60  | ~large stones<br>(moderately limited)         | 0.51  | ~depth to bedrock<br>(limited)              | 0.76  | ~slope<br>(moderately limited)                      | 0.60  | ~depth to bedrock<br>(limited)                  | 0.95  |
| 73066:<br>Bender-----        | Very limited<br>~seepage<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~droughty<br>(very limited) | 1.00  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Very limited<br>~large stones<br>(very limited) | 1.00  |
|                              | ~depth to bedrock<br>(limited)             | 0.95  | ~depth to bedrock<br>(limited)                | 0.76  | ~slope<br>(very limited)                    | 1.00  | ~large stones<br>(very limited)                     | 1.00  | ~droughty<br>(very limited)                     | 1.00  |
|                              | ~slope<br>(moderately limited)             | 0.60  | ~large stones<br>(moderately limited)         | 0.51  | ~depth to bedrock<br>(limited)              | 0.76  | ~slope<br>(moderately limited)                      | 0.60  | ~depth to bedrock<br>(limited)                  | 0.95  |
| 73067:<br>Bender-----        | Very limited<br>~slope<br>(very limited)   | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)            | 1.00  | Very limited<br>~slope<br>(very limited)        | 1.00  |
|                              | ~seepage<br>(very limited)                 | 1.00  | ~depth to bedrock<br>(limited)                | 0.76  | ~droughty<br>(very limited)                 | 1.00  | ~depth to bedrock<br>(very limited)                 | 1.00  | ~large stones<br>(very limited)                 | 1.00  |
|                              | ~depth to bedrock<br>(limited)             | 0.95  | ~large surface stones<br>(moderately limited) | 0.60  | ~depth to bedrock<br>(limited)              | 0.76  | ~large stones<br>(very limited)                     | 1.00  | ~droughty<br>(very limited)                     | 1.00  |
| Rock outcrop---              | Not rated                                  |       | Not rated                                     |       | Not rated                                   |       | Not rated   |       | Not rated                                       |       |
| 73089:<br>Rueter-----        | Very limited<br>~slope<br>(very limited)   | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)            | 1.00  | Very limited<br>~slope<br>(very limited)        | 1.00  |
|                              | ~seepage<br>(very limited)                 | 1.00  | ~large stones<br>(very limited)               | 1.00  | ~large surface stones<br>(limited)          | 0.79  | ~large stones<br>(very limited)                     | 1.00  | ~large stones<br>(very limited)                 | 1.00  |
|                              |  |       | ~large surface stones<br>(limited)            | 0.79  | ~droughty<br>(moderately limited)           | 0.43  | ~large surface stones<br>(limited)                  | 0.79  | ~large surface stones<br>(limited)              | 0.79  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas   |              | Drainage  |                      | Irrigation  |                      | Terraces and diversions  |                      | Grassed waterways  |                      |
|--------------------------|--|--------------|---|----------------------|---|----------------------|--|----------------------|--|----------------------|
|                          | Rating class and limiting features   | Value        | Rating class and limiting features  | Value                | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                |
| 73159:<br>Yelton-----    | Slightly limited<br>~slope<br>(slightly limited)                             | 0.20         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)   | 0.78<br>0.39         | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited)       | 0.78<br>0.60<br>0.39 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited) | 0.60<br>0.58<br>0.20 | Limited<br>~rooting depth<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)             | 0.80<br>0.60<br>0.58 |
| 73162:<br>Alred-----     | Very limited<br>~slope<br>(very limited)<br>~seepage<br>(moderately limited) | 1.00<br>0.50 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.79<br>0.40 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.79<br>0.40 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~large stones<br>(slightly limited)            | 1.00<br>0.79<br>0.00 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~droughty<br>(slightly limited)                | 1.00<br>0.79<br>0.03 |
| Rueter-----              | Very limited<br>~slope<br>(very limited)<br>~seepage<br>(very limited)       | 1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~large stones<br>(very limited)<br>~large surface stones<br>(limited)       | 1.00<br>1.00<br>0.79 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~droughty<br>(moderately limited)     | 1.00<br>0.79<br>0.43 | Very limited<br>~slope<br>(very limited)<br>~large stones<br>(very limited)<br>~large surface stones<br>(limited)                | 1.00<br>1.00<br>0.79 | Very limited<br>~slope<br>(very limited)<br>~large stones<br>(very limited)<br>~large surface stones<br>(limited)                | 1.00<br>1.00<br>0.79 |
| 73166:<br>Viburnum-----  | Slightly limited<br>~slope<br>(slightly limited)                             | 0.20         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(slightly limited)   | 0.78<br>0.13         | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(slightly limited)         | 0.78<br>0.60<br>0.13 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited) | 0.60<br>0.55<br>0.20 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited) | 0.60<br>0.55<br>0.20 |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                                   |       | Drainage                                 |       | Irrigation                               |       | Terraces and diversions                                      |       | Grassed waterways                         |       |
|--------------------------|--|-------|--|-------|--|-------|--|-------|---|-------|
|                          | Rating class and limiting features                     | Value | Rating class and limiting features       | Value | Rating class and limiting features       | Value | Rating class and limiting features                           | Value | Rating class and limiting features        | Value |
| 73166: (cont)            |  |       |  |       |  |       |  |       |   |       |
| Tonti-----               | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Limited<br>~large stones<br>(limited)    | 0.99  | Limited<br>~slope<br>(limited)           | 0.78  | Limited<br>~large stones<br>(limited)                        | 0.67  | Limited<br>~rooting depth<br>(limited)    | 0.80  |
|                          | ~slope<br>(slightly limited)                           | 0.20  | ~slope<br>(limited)                      | 0.78  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~large stones<br>(limited)                | 0.67  |
|                          |  |       | ~percs slowly<br>(moderately limited)    | 0.39  | ~percs slowly<br>(moderately limited)    | 0.39  | ~wetness<br>(moderately limited)                             | 0.55  | ~erodes easily<br>(moderately limited)    | 0.60  |
| 73173:                   |  |       |  |       |  |       |  |       |   |       |
| Lily-----                | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~slope<br>(limited)           | 0.98  | Limited<br>~slope<br>(limited)           | 0.98  | Very limited<br>~depth to bedrock<br>(very limited)          | 1.00  | Limited<br>~depth to bedrock<br>(limited) | 0.95  |
|                          | ~depth to bedrock<br>(limited)                         | 0.95  | ~depth to bedrock<br>(limited)           | 0.76  | ~depth to bedrock<br>(limited)           | 0.76  | ~slope<br>(moderately limited)                               | 0.30  | ~slope<br>(moderately limited)            | 0.30  |
|                          | ~slope<br>(moderately limited)                         | 0.30  |  |       | ~droughty<br>(slightly limited)          | 0.04  |  |       | ~droughty<br>(slightly limited)           | 0.04  |
| Yelton-----              | Slightly limited<br>~slope<br>(slightly limited)       | 0.20  | Limited<br>~slope<br>(limited)           | 0.78  | Limited<br>~slope<br>(limited)           | 0.78  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Limited<br>~rooting depth<br>(limited)    | 0.80  |
|                          |  |       | ~percs slowly<br>(moderately limited)    | 0.39  | ~erodes easily<br>(moderately limited)   | 0.60  | ~wetness<br>(moderately limited)                             | 0.58  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                          |  |       |  |       | ~percs slowly<br>(moderately limited)    | 0.39  | ~slope<br>(slightly limited)                                 | 0.20  | ~wetness<br>(moderately limited)          | 0.58  |
| 73174:                   |  |       |  |       |  |       |  |       |   |       |
| Lily-----                | Very limited<br>~seepage<br>(very limited)             | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~depth to bedrock<br>(very limited)          | 1.00  | Limited<br>~slope<br>(limited)            | 0.99  |
|                          | ~slope<br>(limited)                                    | 0.99  | ~depth to bedrock<br>(limited)           | 0.76  | ~depth to bedrock<br>(limited)           | 0.76  | ~slope<br>(limited)  | 0.99  | ~depth to bedrock<br>(limited)            | 0.95  |
|                          | ~depth to bedrock<br>(limited)                         | 0.95  |  |       | ~droughty<br>(slightly limited)          | 0.04  |  |       | ~droughty<br>(slightly limited)           | 0.04  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name     | Pond reservoir areas   |              | Drainage  |                      | Irrigation  |                      | Terraces and diversions   |                      | Grassed waterways  |                      |
|------------------------------|--|--------------|---|----------------------|---|----------------------|---|----------------------|--|----------------------|
|                              | Rating class and limiting features   | Value        | Rating class and limiting features  | Value                | Rating class and limiting features  | Value                | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                |
| 73174: (cont)<br>Yelton----- | Limited<br>~slope<br>(limited)   | 0.99         | Very limited<br>~slope<br>(very limited)<br>~percs slowly<br>(moderately limited)                                       | 1.00<br>0.39         | Very limited<br>~slope<br>(very limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.60<br>0.39 | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)                | 0.99<br>0.60<br>0.58 | Limited<br>~slope<br>(limited)<br>~rooting depth<br>(limited)<br>~erodes easily<br>(moderately limited)                | 0.99<br>0.80<br>0.60 |
| 73200:<br>Sonsac-----        | Limited<br>~depth to bedrock<br>(limited)<br>~slope<br>(moderately limited)  | 0.85<br>0.60 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.79<br>0.40 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited)     | 1.00<br>0.79<br>0.40 | Very limited<br>~depth to bedrock<br>(very limited)<br>~large surface stones<br>(limited)<br>~slope<br>(moderately limited) | 1.00<br>0.79<br>0.60 | Limited<br>~depth to bedrock<br>(limited)<br>~large surface stones<br>(limited)<br>~slope<br>(moderately limited)      | 0.85<br>0.79<br>0.60 |
| 73201:<br>Sonsac-----        | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(limited)   | 1.00<br>0.85 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited) | 1.00<br>0.79<br>0.40 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(limited)<br>~percs slowly<br>(moderately limited)     | 1.00<br>0.79<br>0.40 | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(very limited)<br>~large surface stones<br>(limited)       | 1.00<br>1.00<br>0.79 | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~large surface stones<br>(limited)       | 1.00<br>0.85<br>0.79 |
| 73210:<br>Goss-----          | Very limited<br>~slope<br>(very limited)<br>~seepage<br>(moderately limited) | 1.00<br>0.50 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited)  | 1.00<br>1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(limited)           | 1.00<br>1.00<br>0.70 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited)      | 1.00<br>1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited) | 1.00<br>1.00<br>1.00 |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                                   |       | Drainage                                 |       | Irrigation  |       | Terraces and diversions                              |       | Grassed waterways                                    |       |
|--------------------------|--|-------|--|-------|---|-------|--|-------|--|-------|
|                          | Rating class and limiting features                     | Value | Rating class and limiting features       | Value | Rating class and limiting features                    | Value | Rating class and limiting features                   | Value | Rating class and limiting features                   | Value |
| 73214:<br>Moko-----      | Very limited<br>~bedrock <20 in.<br>(very limited)     | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~shallow to bedrock<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~bedrock <20 in.<br>(very limited)   | 1.00  |
|                          | ~slope<br>(very limited)                               | 1.00  | ~shallow to bedrock<br>(very limited)    | 1.00  | ~droughty<br>(very limited)                           | 1.00  | ~depth to bedrock<br>(very limited)                  | 1.00  | ~slope<br>(very limited)                             | 1.00  |
|                          |  |       | ~large surface stones<br>(very limited)  | 1.00  | ~slope<br>(very limited)                              | 1.00  | ~large stones<br>(very limited)                      | 1.00  | ~droughty<br>(very limited)                          | 1.00  |
| Rock outcrop---          | Not rated  |       | Not rated                                |       | Not rated   |       | Not rated  |       | Not rated  |       |
| 73215:<br>Crider-----    | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Limited<br>~slope<br>(limited)           | 0.98  | Limited<br>~slope<br>(limited)                        | 0.98  | Moderately limited<br>~slope<br>(moderately limited) | 0.30  | Moderately limited<br>~slope<br>(moderately limited) | 0.30  |
|                          | ~slope<br>(moderately limited)                         | 0.30  |  |       |   |       |  |       |  |       |
| 73218:<br>Tiff-----      | Limited<br>~slope<br>(limited)                         | 0.80  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slow intake<br>(very limited)        | 1.00  | Very limited<br>~large stones<br>(very limited)      | 1.00  | Very limited<br>~large stones<br>(very limited)      | 1.00  |
|                          |  |       | ~large stones<br>(limited)               | 0.99  | ~slope<br>(very limited)                              | 1.00  | ~slope<br>(limited)                                  | 0.80  | ~slope<br>(limited)                                  | 0.80  |
|                          |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~droughty<br>(slightly limited)                       | 0.24  |  |       | ~droughty<br>(slightly limited)                      | 0.24  |
| 73271:<br>Moko-----      | Very limited<br>~bedrock <20 in.<br>(very limited)     | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~shallow to bedrock<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~bedrock <20 in.<br>(very limited)   | 1.00  |
|                          | ~slope<br>(very limited)                               | 1.00  | ~shallow to bedrock<br>(very limited)    | 1.00  | ~droughty<br>(very limited)                           | 1.00  | ~depth to bedrock<br>(very limited)                  | 1.00  | ~slope<br>(very limited)                             | 1.00  |
|                          |  |       | ~large surface stones<br>(very limited)  | 1.00  | ~slope<br>(very limited)                              | 1.00  | ~large surface stones<br>(very limited)              | 1.00  | ~droughty<br>(very limited)                          | 1.00  |
| Rock outcrop---          | Not rated  |       | Not rated                                |       | Not rated   |       | Not rated  |       | Not rated  |       |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name  | Pond reservoir areas  |                      | Drainage   |                      | Irrigation   |                      | Terraces and diversions   |                      | Grassed waterways  |                              |
|---------------------------|---|----------------------|--|----------------------|--|----------------------|---|----------------------|--|------------------------------|
|                           | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                        |
| 73272:<br>Hildebrecht---- | Slightly limited<br>~slope<br>(slightly limited)  | 0.20                 | Limited<br>~slope<br>(limited)<br>~large stones<br>(moderately limited)<br>~percs slowly<br>(moderately limited)       | 0.78<br>0.51<br>0.39 | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)  | 0.78<br>0.39         | Moderately limited<br>~wetness<br>(moderately limited)<br>~large stones<br>(slightly limited)<br>~slope<br>(slightly limited) | 0.58<br>0.20<br>0.20 | Limited<br>~rooting depth<br>(limited)<br>~wetness<br>(moderately limited)<br>~large stones<br>(slightly limited)      | 0.80<br>0.58<br>0.20         |
| 73273:<br>Coulstone-----  | Very limited<br>~slope<br>(very limited)<br>~seepage<br>(very limited)<br>~depth to bedrock<br>(slightly limited) | 1.00<br>1.00<br>0.27 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)                                    | 1.00<br>1.00         | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~droughty<br>(limited)      | 1.00<br>1.00<br>0.97 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited)        | 1.00<br>1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited) | 1.00<br>1.00<br>1.00<br>1.00 |
| Bender-----               | Very limited<br>~slope<br>(very limited)<br>~seepage<br>(very limited)<br>~depth to bedrock<br>(limited)          | 1.00<br>1.00<br>0.89 | Very limited<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited)<br>~large stones<br>(very limited) | 1.00<br>1.00<br>1.00 | Very limited<br>~droughty<br>(very limited)<br>~slope<br>(very limited)<br>~large surface stones<br>(very limited) | 1.00<br>1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(very limited)<br>~large surface stones<br>(very limited)    | 1.00<br>1.00<br>1.00 | Very limited<br>~slope<br>(very limited)<br>~droughty<br>(very limited)<br>~large surface stones<br>(very limited)     | 1.00<br>1.00<br>1.00<br>1.00 |
| 73274:<br>Scholten-----   | Limited<br>~slope<br>(limited)<br>~seepage<br>(moderately limited)  | 0.70<br>0.50         | Very limited<br>~percs slowly<br>(very limited)<br>~slope<br>(very limited)<br>~large stones<br>(slightly limited)     | 1.00<br>1.00<br>0.30 | Very limited<br>~percs slowly<br>(very limited)<br>~slope<br>(very limited)<br>~droughty<br>(slightly limited)     | 1.00<br>1.00<br>0.13 | Limited<br>~slope<br>(limited)<br>~wetness<br>(moderately limited)<br>~large stones<br>(slightly limited)                     | 0.70<br>0.55<br>0.01 | Limited<br>~rooting depth<br>(limited)<br>~slope<br>(limited)<br>~wetness<br>(moderately limited)                      | 0.80<br>0.70<br>0.55         |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas   |              | Drainage   |                      | Irrigation   |                      | Terraces and diversions  |                      | Grassed waterways  |                      |
|--------------------------|--|--------------|--|----------------------|--|----------------------|--|----------------------|--|----------------------|
|                          | Rating class and limiting features   | Value        | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                |
| 73275:<br>Gravois-----   | Moderately limited<br>~slope<br>(moderately limited)                         | 0.30         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)  | 0.98<br>0.39         | Limited<br>~slope<br>(limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited)    | 0.98<br>0.60<br>0.39 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br>0.55<br>0.30 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(moderately limited) | 0.60<br>0.55<br>0.30 |
| Goss-----                | Limited<br>~slope<br>(limited)<br>~seepage<br>(moderately limited)           | 0.99<br>0.50 | Very limited<br>~slope<br>(very limited)<br>~large stones<br>(limited)<br>~large surface stones<br>(slightly limited)      | 1.00<br>0.99<br>0.13 | Very limited<br>~slope<br>(very limited)<br>~droughty<br>(limited)<br>~large surface stones<br>(slightly limited)    | 1.00<br>0.69<br>0.13 | Limited<br>~slope<br>(limited)<br>~large stones<br>(limited)<br>~large surface stones<br>(slightly limited)                        | 0.99<br>0.90<br>0.13 | Limited<br>~slope<br>(limited)<br>~large stones<br>(limited)<br>~droughty<br>(limited)   | 0.99<br>0.90<br>0.69 |
| 73276:<br>Rueter-----    | Very limited<br>~seepage<br>(very limited)<br>~slope<br>(moderately limited) | 1.00<br>0.45 | Very limited<br>~large stones<br>(very limited)<br>~slope<br>(very limited)<br>~large surface stones<br>(slightly limited) | 1.00<br>1.00<br>0.13 | Very limited<br>~slope<br>(very limited)<br>~droughty<br>(moderately limited)<br>~large stones<br>(slightly limited) | 1.00<br>0.43<br>0.29 | Very limited<br>~large stones<br>(very limited)<br>~slope<br>(moderately limited)<br>~large surface stones<br>(slightly limited)   | 1.00<br>0.45<br>0.13 | Very limited<br>~large stones<br>(very limited)<br>~slope<br>(moderately limited)<br>~droughty<br>(moderately limited)             | 1.00<br>0.45<br>0.43 |
| Hildebrecht----          | Slightly limited<br>~slope<br>(slightly limited)                             | 0.20         | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)<br>~large stones<br>(slightly limited)             | 0.78<br>0.39<br>0.30 | Limited<br>~slope<br>(limited)<br>~percs slowly<br>(moderately limited)  | 0.78<br>0.39         | Moderately limited<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited)   | 0.58<br>0.20         | Limited<br>~rooting depth<br>(limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited)                         | 0.80<br>0.58<br>0.20 |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                               |       | Drainage                                    |       | Irrigation  |       | Terraces and diversions                     |       | Grassed waterways                                  |       |
|--------------------------|--|-------|---|-------|---|-------|---|-------|--|-------|
|                          | Rating class and limiting features                 | Value | Rating class and limiting features          | Value | Rating class and limiting features                    | Value | Rating class and limiting features          | Value | Rating class and limiting features                 | Value |
| 73277:<br>Goss-----      | Limited<br>~slope<br>(limited)                     | 0.99  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)              | 1.00  | Limited<br>~slope<br>(limited)              | 0.99  | Limited<br>~slope<br>(limited)                     | 0.99  |
|                          | ~seepage<br>(moderately limited)                   | 0.50  | ~large stones<br>(limited)                  | 0.99  | ~droughty<br>(limited)                                | 0.69  | ~large stones<br>(limited)                  | 0.90  | ~large stones<br>(limited)                         | 0.90  |
|                          |  |       | ~large surface stones<br>(slightly limited) | 0.13  | ~large surface stones<br>(slightly limited)           | 0.13  | ~large surface stones<br>(slightly limited) | 0.13  | ~droughty<br>(limited)                             | 0.69  |
| 73278:<br>Rueter-----    | Very limited<br>~slope<br>(very limited)           | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)              | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)           | 1.00  |
|                          | ~seepage<br>(very limited)                         | 1.00  | ~large surface stones<br>(limited)          | 0.79  | ~large surface stones<br>(limited)                    | 0.79  | ~large surface stones<br>(limited)          | 0.79  | ~large surface stones<br>(limited)                 | 0.79  |
|                          |  |       |   |       | ~droughty<br>(slightly limited)                       | 0.29  | ~large stones<br>(slightly limited)         | 0.02  | ~droughty<br>(slightly limited)                    | 0.29  |
| 73279:<br>Sonsac-----    | Very limited<br>~slope<br>(very limited)           | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)              | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~slope<br>(very limited)           | 1.00  |
|                          | ~depth to bedrock<br>(limited)                     | 0.83  | ~large surface stones<br>(very limited)     | 1.00  | ~large surface stones<br>(very limited)               | 1.00  | ~depth to bedrock<br>(very limited)         | 1.00  | ~large surface stones<br>(very limited)            | 1.00  |
|                          |  |       | ~percs slowly<br>(moderately limited)       | 0.40  | ~droughty<br>(very limited)                           | 1.00  | ~large surface stones<br>(very limited)     | 1.00  | ~droughty<br>(very limited)                        | 1.00  |
| Moko-----                | Very limited<br>~bedrock <20 in.<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~shallow to bedrock<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)    | 1.00  | Very limited<br>~bedrock <20 in.<br>(very limited) | 1.00  |
|                          | ~slope<br>(very limited)                           | 1.00  | ~shallow to bedrock<br>(very limited)       | 1.00  | ~droughty<br>(very limited)                           | 1.00  | ~depth to bedrock<br>(very limited)         | 1.00  | ~slope<br>(very limited)                           | 1.00  |
|                          |  |       | ~large surface stones<br>(very limited)     | 1.00  | ~slope<br>(very limited)                              | 1.00  | ~large surface stones<br>(very limited)     | 1.00  | ~droughty<br>(very limited)                        | 1.00  |
| Rock outcrop---          | Not rated  |       | Not rated                                   |       | Not rated   |       | Not rated                                   |       | Not rated  |       |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name           | Pond reservoir areas                                 |       | Drainage                                 |       | Irrigation                               |       | Terraces and diversions                       |       | Grassed waterways                             |       |
|------------------------------------|--|-------|--|-------|--|-------|---|-------|---|-------|
|                                    | Rating class and limiting features                   | Value | Rating class and limiting features       | Value | Rating class and limiting features       | Value | Rating class and limiting features            | Value | Rating class and limiting features            | Value |
| 73280:<br>Alred-----               | Moderately limited<br>~slope<br>(moderately limited) | 0.60  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Limited<br>~large surface stones<br>(limited) | 0.79  | Limited<br>~large surface stones<br>(limited) | 0.79  |
|                                    | ~seepage<br>(moderately limited)                     | 0.50  | ~large surface stones<br>(limited)       | 0.79  | ~large surface stones<br>(limited)       | 0.79  | ~slope<br>(moderately limited)                | 0.60  | ~slope<br>(moderately limited)                | 0.60  |
|                                    |  |       | ~percs slowly<br>(moderately limited)    | 0.40  | ~percs slowly<br>(moderately limited)    | 0.40  |   |       | ~droughty<br>(slightly limited)               | 0.09  |
| 73282:<br>Alred-----               | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  |
|                                    | ~seepage<br>(moderately limited)                     | 0.50  | ~large surface stones<br>(limited)       | 0.79  | ~large surface stones<br>(limited)       | 0.79  | ~large surface stones<br>(limited)            | 0.79  | ~large surface stones<br>(limited)            | 0.79  |
|                                    |  |       | ~percs slowly<br>(moderately limited)    | 0.40  | ~percs slowly<br>(moderately limited)    | 0.40  |   |       | ~droughty<br>(slightly limited)               | 0.09  |
| Sonsac-----                        | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  | Very limited<br>~slope<br>(very limited)      | 1.00  |
|                                    | ~depth to bedrock<br>(limited)                       | 0.85  | ~large surface stones<br>(limited)       | 0.79  | ~large surface stones<br>(limited)       | 0.79  | ~depth to bedrock<br>(very limited)           | 1.00  | ~depth to bedrock<br>(limited)                | 0.85  |
|                                    |  |       | ~percs slowly<br>(moderately limited)    | 0.40  | ~percs slowly<br>(moderately limited)    | 0.40  | ~large surface stones<br>(limited)            | 0.79  | ~large surface stones<br>(limited)            | 0.79  |
| 73283:<br>Courtois,<br>eroded----- | Moderately limited                                   |       | Limited                                  |       | Limited                                  |       | Moderately limited                            |       | Moderately limited                            |       |
|                                    | ~seepage<br>(moderately limited)                     | 0.50  | ~slope<br>(limited)                      | 0.98  | ~slope<br>(limited)                      | 0.98  | ~erodes easily<br>(moderately limited)        | 0.60  | ~erodes easily<br>(moderately limited)        | 0.60  |
|                                    | ~slope<br>(moderately limited)                       | 0.30  |  |       | ~erodes easily<br>(moderately limited)   | 0.60  | ~wetness<br>(moderately limited)              | 0.58  | ~wetness<br>(moderately limited)              | 0.58  |
|                                    |  |       |  |       |  |       | ~slope<br>(moderately limited)                | 0.30  | ~slope<br>(moderately limited)                | 0.30  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                                   |       | Drainage  |       | Irrigation   |       | Terraces and diversions                                      |       | Grassed waterways  |       |
|--------------------------|--|-------|---|-------|--|-------|--|-------|--|-------|
|                          | Rating class and limiting features                     | Value | Rating class and limiting features                      | Value | Rating class and limiting features                           | Value | Rating class and limiting features                           | Value | Rating class and limiting features                           | Value |
| 73284:<br>Courtois-----  | Limited<br>~slope<br>(limited)                         | 0.70  | Very limited<br>~slope<br>(very limited)                | 1.00  | Very limited<br>~slope<br>(very limited)                     | 1.00  | Limited<br>~slope<br>(limited)                               | 0.70  | Limited<br>~slope<br>(limited)                               | 0.70  |
|                          | ~seepage<br>(moderately limited)                       | 0.50  | ~percs slowly<br>(moderately limited)                   | 0.40  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  |
|                          |  |       | ~large stones<br>(slightly limited)                     | 0.12  | ~percs slowly<br>(moderately limited)                        | 0.40  | ~wetness<br>(moderately limited)                             | 0.58  | ~wetness<br>(moderately limited)                             | 0.58  |
| Goss-----                | Limited<br>~slope<br>(limited)                         | 0.89  | Very limited<br>~slope<br>(very limited)                | 1.00  | Very limited<br>~slope<br>(very limited)                     | 1.00  | Limited<br>~large stones<br>(limited)                        | 0.90  | Limited<br>~large stones<br>(limited)                        | 0.90  |
|                          | ~seepage<br>(moderately limited)                       | 0.50  | ~large stones<br>(limited)                              | 0.99  | ~droughty<br>(limited)                                       | 0.69  | ~slope<br>(limited)  | 0.89  | ~slope<br>(limited)  | 0.89  |
|                          |  |       |   |       |  |       | ~droughty<br>(limited)                                       | 0.69  | ~droughty<br>(limited)                                       | 0.69  |
| 73285:<br>Useful-----    | Limited<br>~depth to bedrock<br>(limited)              | 0.62  | Slightly limited<br>~percs slowly<br>(slightly limited) | 0.15  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Limited<br>~depth to bedrock<br>(limited)                    | 0.62  |
|                          |  |       | ~slope<br>(slightly limited)                            | 0.10  | ~percs slowly<br>(slightly limited)                          | 0.15  | ~depth to bedrock<br>(moderately limited)                    | 0.54  | ~erodes easily<br>(moderately limited)                       | 0.60  |
|                          |  |       |   |       | ~slope<br>(slightly limited)                                 | 0.10  | ~wetness<br>(slightly limited)                               | 0.13  | ~wetness<br>(slightly limited)                               | 0.13  |
| Courtois-----            | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Very limited<br>~slope<br>(very limited)                | 1.00  | Very limited<br>~slope<br>(very limited)                     | 1.00  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
|                          | ~slope<br>(moderately limited)                         | 0.45  | ~percs slowly<br>(moderately limited)                   | 0.40  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~wetness<br>(moderately limited)                             | 0.58  | ~wetness<br>(moderately limited)                             | 0.58  |
|                          |  |       |   |       | ~percs slowly<br>(moderately limited)                        | 0.40  | ~slope<br>(moderately limited)                               | 0.45  | ~slope<br>(moderately limited)                               | 0.45  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                      |       | Drainage                                 |       | Irrigation                               |       | Terraces and diversions                  |       | Grassed waterways                         |       |
|--------------------------|---|-------|--|-------|--|-------|--|-------|---|-------|
|                          | Rating class and limiting features        | Value | Rating class and limiting features       | Value | Rating class and limiting features       | Value | Rating class and limiting features       | Value | Rating class and limiting features        | Value |
| 73286:<br>Useful-----    | Limited<br>~slope<br>(limited)            | 0.70  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Limited<br>~slope<br>(limited)           | 0.70  | Limited<br>~slope<br>(limited)            | 0.70  |
|                          | ~depth to bedrock<br>(moderately limited) | 0.32  | ~percs slowly<br>(slightly limited)      | 0.15  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                          |   |       |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~wetness<br>(slightly limited)           | 0.13  | ~depth to bedrock<br>(moderately limited) | 0.32  |
| Courtois-----            | Limited<br>~slope<br>(limited)            | 0.80  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Limited<br>~slope<br>(limited)           | 0.80  | Limited<br>~slope<br>(limited)            | 0.80  |
|                          | ~seepage<br>(moderately limited)          | 0.50  | ~percs slowly<br>(moderately limited)    | 0.40  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                          |   |       |  |       | ~percs slowly<br>(moderately limited)    | 0.40  | ~wetness<br>(moderately limited)         | 0.58  | ~wetness<br>(moderately limited)          | 0.58  |
| 73287:<br>Useful-----    | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  |
|                          | ~depth to bedrock<br>(moderately limited) | 0.32  | ~percs slowly<br>(slightly limited)      | 0.15  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                          |   |       |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~wetness<br>(slightly limited)           | 0.13  | ~depth to bedrock<br>(moderately limited) | 0.32  |
| Sonsac-----              | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  |
|                          | ~depth to bedrock<br>(limited)            | 0.74  | ~large stones<br>(limited)               | 0.99  | ~large stones<br>(very limited)          | 1.00  | ~depth to bedrock<br>(very limited)      | 1.00  | ~large stones<br>(very limited)           | 1.00  |
|                          |   |       | ~percs slowly<br>(moderately limited)    | 0.40  | ~droughty<br>(limited)                   | 0.65  | ~large stones<br>(very limited)          | 1.00  | ~depth to bedrock<br>(limited)            | 0.74  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name  | Pond reservoir areas                             |       | Drainage                                 |       | Irrigation                               |       | Terraces and diversions                                      |       | Grassed waterways  |       |
|---------------------------|--|-------|--|-------|--|-------|--|-------|--|-------|
|                           | Rating class and limiting features               | Value | Rating class and limiting features       | Value | Rating class and limiting features       | Value | Rating class and limiting features                           | Value | Rating class and limiting features                           | Value |
| 73288:<br>Caneyville----- | Limited<br>~depth to bedrock<br>(limited)        | 0.85  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited) | 1.00  | Very limited<br>~depth to bedrock<br>(very limited)          | 1.00  | Limited<br>~depth to bedrock<br>(limited)                    | 0.85  |
|                           | ~slope<br>(limited)                              | 0.70  | ~depth to bedrock<br>(slightly limited)  | 0.30  | ~erodes easily<br>(moderately limited)   | 0.60  | ~slope<br>(limited)  | 0.70  | ~slope<br>(limited)  | 0.70  |
|                           |  |       | ~percs slowly<br>(slightly limited)      | 0.13  | ~depth to bedrock<br>(slightly limited)  | 0.30  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  |
| Rock outcrop---           | Not rated  |       | Not rated                                |       | Not rated                                |       | Not rated  |       | Not rated  |       |
| 73289:<br>Fourche-----    | Slightly limited<br>~slope<br>(slightly limited) | 0.20  | Limited<br>~slope<br>(limited)           | 0.78  | Limited<br>~slope<br>(limited)           | 0.78  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
|                           |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~erodes easily<br>(moderately limited)   | 0.60  | ~wetness<br>(moderately limited)                             | 0.36  | ~wetness<br>(moderately limited)                             | 0.36  |
|                           |  |       |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~slope<br>(slightly limited)                                 | 0.20  | ~slope<br>(slightly limited)                                 | 0.20  |
| 73290:<br>Gatewood-----   | Limited<br>~depth to bedrock<br>(limited)        | 0.75  | Limited<br>~slope<br>(limited)           | 0.98  | Limited<br>~slope<br>(limited)           | 0.98  | Very limited<br>~depth to bedrock<br>(very limited)          | 1.00  | Limited<br>~depth to bedrock<br>(limited)                    | 0.75  |
|                           | ~slope<br>(moderately limited)                   | 0.30  | ~percs slowly<br>(slightly limited)      | 0.15  | ~erodes easily<br>(moderately limited)   | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  | ~erodes easily<br>(moderately limited)                       | 0.60  |
|                           |  |       | ~depth to bedrock<br>(slightly limited)  | 0.09  | ~percs slowly<br>(slightly limited)      | 0.15  | ~wetness<br>(moderately limited)                             | 0.36  | ~wetness<br>(moderately limited)                             | 0.36  |
| Aaron-----                | Limited<br>~depth to bedrock<br>(limited)        | 0.63  | Limited<br>~slope<br>(limited)           | 0.98  | Limited<br>~slope<br>(limited)           | 0.98  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Limited<br>~depth to bedrock<br>(limited)                    | 0.63  |
|                           | ~slope<br>(moderately limited)                   | 0.30  | ~percs slowly<br>(slightly limited)      | 0.15  | ~erodes easily<br>(moderately limited)   | 0.60  | ~depth to bedrock<br>(moderately limited)                    | 0.57  | ~erodes easily<br>(moderately limited)                       | 0.60  |
|                           |  |       |  |       | ~percs slowly<br>(slightly limited)      | 0.15  | ~wetness<br>(moderately limited)                             | 0.36  | ~wetness<br>(moderately limited)                             | 0.36  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name  | Pond reservoir areas                       |       | Drainage                                  |       | Irrigation                                |       | Terraces and diversions                             |       | Grassed waterways                         |       |
|---------------------------|--|-------|---|-------|---|-------|---|-------|---|-------|
|                           | Rating class and limiting features         | Value | Rating class and limiting features        | Value | Rating class and limiting features        | Value | Rating class and limiting features                  | Value | Rating class and limiting features        | Value |
| 73291:<br>Gatewood-----   | Limited<br>~slope<br>(limited)             | 0.99  | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Limited<br>~slope<br>(limited)            | 0.99  |
|                           | ~depth to bedrock<br>(limited)             | 0.77  | ~percs slowly<br>(slightly limited)       | 0.15  | ~erodes easily<br>(moderately limited)    | 0.60  | ~slope<br>(limited)                                 | 0.99  | ~depth to bedrock<br>(limited)            | 0.77  |
|                           |  |       | ~depth to bedrock<br>(slightly limited)   | 0.13  | ~droughty<br>(moderately limited)         | 0.32  | ~erodes easily<br>(moderately limited)              | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
| Aaron-----                | Limited<br>~slope<br>(limited)             | 0.99  | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  | Limited<br>~slope<br>(limited)                      | 0.99  | Limited<br>~slope<br>(limited)            | 0.99  |
|                           | ~depth to bedrock<br>(moderately limited)  | 0.50  | ~percs slowly<br>(slightly limited)       | 0.15  | ~erodes easily<br>(moderately limited)    | 0.60  | ~erodes easily<br>(moderately limited)              | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                           |  |       |   |       | ~percs slowly<br>(slightly limited)       | 0.15  | ~depth to bedrock<br>(moderately limited)           | 0.39  | ~depth to bedrock<br>(moderately limited) | 0.50  |
| 73292:<br>Lily-----       | Very limited<br>~seepage<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~slope<br>(very limited)  | 1.00  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Limited<br>~depth to bedrock<br>(limited) | 0.89  |
|                           | ~depth to bedrock<br>(limited)             | 0.89  | ~depth to bedrock<br>(moderately limited) | 0.46  | ~depth to bedrock<br>(moderately limited) | 0.46  | ~slope<br>(limited)                                 | 0.80  | ~slope<br>(limited)                       | 0.80  |
|                           | ~slope<br>(limited)                        | 0.80  |   |       |   |       |   |       |   |       |
| 73293:<br>Caneyville----- | Limited<br>~depth to bedrock<br>(limited)  | 0.84  | Limited<br>~slope<br>(limited)            | 0.78  | Limited<br>~slope<br>(limited)            | 0.78  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Limited<br>~depth to bedrock<br>(limited) | 0.84  |
|                           | ~slope<br>(slightly limited)               | 0.20  | ~depth to bedrock<br>(slightly limited)   | 0.27  | ~erodes easily<br>(moderately limited)    | 0.60  | ~erodes easily<br>(moderately limited)              | 0.60  | ~erodes easily<br>(moderately limited)    | 0.60  |
|                           |  |       | ~percs slowly<br>(slightly limited)       | 0.13  | ~depth to bedrock<br>(slightly limited)   | 0.27  | ~wetness<br>(moderately limited)                    | 0.58  | ~wetness<br>(moderately limited)          | 0.58  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                                   |       | Drainage  |       | Irrigation  |       | Terraces and diversions                                      |       | Grassed waterways  |       |
|--------------------------|--|-------|---|-------|---|-------|--|-------|--|-------|
|                          | Rating class and limiting features                     | Value | Rating class and limiting features                      | Value | Rating class and limiting features                      | Value | Rating class and limiting features                           | Value | Rating class and limiting features                           | Value |
| 73294:<br>Ocie-----      | Limited<br>~slope<br>(limited)                         | 0.80  | Very limited<br>~large surface stones<br>(very limited) | 1.00  | Very limited<br>~large surface stones<br>(very limited) | 1.00  | Very limited<br>~large surface stones<br>(very limited)      | 1.00  | Very limited<br>~large surface stones<br>(very limited)      | 1.00  |
|                          | ~depth to bedrock<br>(moderately limited)              | 0.45  | ~slope<br>(very limited)                                | 1.00  | ~slope<br>(very limited)                                | 1.00  | ~large stones<br>(very limited)                              | 1.00  | ~large stones<br>(very limited)                              | 1.00  |
|                          |  |       | ~percs slowly<br>(moderately limited)                   | 0.40  | ~percs slowly<br>(moderately limited)                   | 0.40  | ~slope<br>(limited)  | 0.80  | ~slope<br>(limited)  | 0.80  |
| 74634:<br>Hartville----- | Moderately limited<br>~slope<br>(moderately limited)   | 0.30  | Limited<br>~slope<br>(limited)                          | 0.98  | Limited<br>~slope<br>(limited)                          | 0.98  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
|                          |  |       | ~percs slowly<br>(moderately limited)                   | 0.39  | ~erodes easily<br>(moderately limited)                  | 0.60  | ~wetness<br>(moderately limited)                             | 0.60  | ~wetness<br>(moderately limited)                             | 0.60  |
|                          |  |       |   |       | ~percs slowly<br>(moderately limited)                   | 0.39  | ~slope<br>(moderately limited)                               | 0.30  | ~slope<br>(moderately limited)                               | 0.30  |
| 74650:<br>Higdon-----    | Not limited  |       | Moderately limited<br>~flooding<br>(moderately limited) | 0.60  | Moderately limited<br>~flooding<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
|                          |  |       | ~percs slowly<br>(slightly limited)                     | 0.15  | ~erodes easily<br>(moderately limited)                  | 0.60  | ~wetness<br>(moderately limited)                             | 0.53  | ~wetness<br>(moderately limited)                             | 0.53  |
|                          |  |       |   |       | ~percs slowly<br>(slightly limited)                     | 0.15  |  |       |  |       |
| 74652:<br>Lecoma-----    | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Limited<br>~slope<br>(limited)                          | 0.98  | Limited<br>~slope<br>(limited)                          | 0.98  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
|                          | ~slope<br>(moderately limited)                         | 0.30  |   |       | ~erodes easily<br>(moderately limited)                  | 0.60  | ~slope<br>(moderately limited)                               | 0.30  | ~slope<br>(moderately limited)                               | 0.30  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas   |                  | Drainage   |                  | Irrigation   |                          | Terraces and diversions  |                  | Grassed waterways  |                  |
|--------------------------|--|------------------|--|------------------|--|--------------------------|--|------------------|--|------------------|
|                          | Rating class and limiting features   | Value            | Rating class and limiting features   | Value            | Rating class and limiting features   | Value                    | Rating class and limiting features   | Value            | Rating class and limiting features   | Value            |
| 74653:<br>Raccoon-----   | Not limited  |                  | Moderately limited<br>~flooding<br>(moderately limited)<br>~percs slowly<br>(moderately limited) | 0.60<br><br>0.39 | Moderately limited<br>~flooding<br>(moderately limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(moderately limited) | 0.60<br><br>0.60<br>0.39 | Very limited<br>~wetness<br>(very limited)<br>~erodes easily<br>(moderately limited)             | 1.00<br><br>0.60 | Very limited<br>~wetness<br>(very limited)<br>~erodes easily<br>(moderately limited)             | 1.00<br><br>0.60 |
| Freeburg-----            | Not limited  |                  | Moderately limited<br>~flooding<br>(moderately limited)<br>~percs slowly<br>(slightly limited)   | 0.60<br><br>0.13 | Moderately limited<br>~flooding<br>(moderately limited)<br>~erodes easily<br>(moderately limited)<br>~percs slowly<br>(slightly limited)   | 0.60<br><br>0.60<br>0.13 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited) | 0.60<br><br>0.53 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited) | 0.60<br><br>0.53 |
| 74656:<br>Deible-----    | Not limited  |                  | Very limited<br>~percs slowly<br>(very limited)  | 1.00             | Very limited<br>~percs slowly<br>(very limited)<br>~erodes easily<br>(moderately limited)  | 1.00<br>0.60             | Very limited<br>~wetness<br>(very limited)<br>~erodes easily<br>(moderately limited)             | 1.00<br><br>0.60 | Very limited<br>~wetness<br>(very limited)<br>~erodes easily<br>(moderately limited)             | 1.00<br><br>0.60 |
| 74661:<br>Waben-----     | Very limited<br>~seepage<br>(very limited)<br>~slope<br>(moderately limited) | 1.00<br><br>0.30 | Limited<br>~slope<br>(limited)   | 0.98             | Limited<br>~slope<br>(limited)   | 0.98                     | Moderately limited<br>~slope<br>(moderately limited)   | 0.30             | Moderately limited<br>~slope<br>(moderately limited)   | 0.30             |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name | Pond reservoir areas                                   |       | Drainage  |              | Irrigation  |                      | Terraces and diversions  |                      | Grassed waterways  |                      |
|--------------------------|--|-------|---|--------------|---|----------------------|--|----------------------|--|----------------------|
|                          | Rating class and limiting features                     | Value | Rating class and limiting features  | Value        | Rating class and limiting features  | Value                | Rating class and limiting features   | Value                | Rating class and limiting features   | Value                |
| 74662:<br>Higdon-----    | Slightly limited<br>~slope<br>(slightly limited)       | 0.10  | Moderately limited<br>~slope<br>(moderately limited)<br>~percs slowly<br>(slightly limited) | 0.40<br>0.15 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~slope<br>(moderately limited)<br>~percs slowly<br>(slightly limited) | 0.60<br>0.40<br>0.15 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited) | 0.60<br>0.53<br>0.10 | Moderately limited<br>~erodes easily<br>(moderately limited)<br>~wetness<br>(moderately limited)<br>~slope<br>(slightly limited) | 0.60<br>0.53<br>0.10 |
| 75376:<br>Cedargap-----  | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Limited<br>~flooding<br>(limited)   | 0.90         | Limited<br>~flooding<br>(limited)   | 0.90                 | Not limited  |                      | Not limited  |                      |
| 75388:<br>Kaintuck-----  | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~flooding<br>(limited)   | 0.90         | Limited<br>~flooding<br>(limited)   | 0.90                 | Not limited  |                      | Not limited  |                      |
| Relfe-----               | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~flooding<br>(limited)   | 0.90         | Very limited<br>~droughty<br>(very limited)<br>~flooding<br>(limited)   | 1.00<br>0.90         | Moderately limited<br>~too sandy<br>(moderately limited)   | 0.60                 | Very limited<br>~droughty<br>(very limited)  | 1.00                 |
| 75398:<br>Kaintuck-----  | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~flooding<br>(limited)   | 0.90         | Limited<br>~flooding<br>(limited)   | 0.90                 | Not limited  |                      | Not limited  |                      |
| 75406:<br>Racket-----    | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Limited<br>~flooding<br>(limited)   | 0.90         | Limited<br>~flooding<br>(limited)   | 0.90                 | Not limited  |                      | Not limited  |                      |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name                                   | Pond reservoir areas                                   |       | Drainage   |                  | Irrigation   |                  | Terraces and diversions                                      |       | Grassed waterways  |       |
|--|--|-------|--|------------------|--|------------------|--|-------|--|-------|
|  | Rating class and limiting features                     | Value | Rating class and limiting features   | Value            | Rating class and limiting features   | Value            | Rating class and limiting features                           | Value | Rating class and limiting features                           | Value |
| 75412:<br>Razort-----                                      | Very limited<br>~seepage<br>(very limited)             | 1.00  | Moderately limited<br>~flooding<br>(moderately limited)  | 0.60             | Moderately limited<br>~flooding<br>(moderately limited)<br>~erodes easily<br>(moderately limited)  | 0.60             | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
| 75427:<br>Gabriel,<br>GRAVELLY<br>SUBSTRATUM<br>PHASE----- | Not limited  |       | Moderately limited<br><br>~flooding<br>(moderately limited)<br>~percs slowly<br>(slightly limited) | 0.60<br><br>0.13 | Moderately limited<br><br>~flooding<br>(moderately limited)<br>~percs slowly<br>(slightly limited) | 0.60<br><br>0.13 | Limited<br><br>~wetness<br>(limited)                         | 0.86  | Limited<br><br>~wetness<br>(limited)                         | 0.86  |
| 75450:<br>Bloomsdale-----                                  | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~large stones<br>(limited)<br>~flooding<br>(limited)                                    | 0.99<br><br>0.90 | Limited<br>~flooding<br>(limited)  | 0.90             | Moderately limited<br>~large stones<br>(moderately limited)  | 0.30  | Moderately limited<br>~large stones<br>(moderately limited)  | 0.30  |
| 75453:<br>Sturkie-----                                     | Moderately limited<br>~seepage<br>(moderately limited) | 0.50  | Moderately limited<br>~flooding<br>(moderately limited)  | 0.60             | Moderately limited<br>~flooding<br>(moderately limited)<br>~erodes easily<br>(moderately limited)  | 0.60             | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |
| 75459:<br>Huzzah-----                                      | Very limited<br>~seepage<br>(very limited)             | 1.00  | Limited<br>~flooding<br>(limited)  | 0.90             | Limited<br>~flooding<br>(limited)<br>~erodes easily<br>(moderately limited)                        | 0.90             | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name                              | Pond reservoir areas   |                      | Drainage  |                      | Irrigation  |                              | Terraces and diversions   |                              | Grassed waterways  |                              |
|---|--|----------------------|---|----------------------|---|------------------------------|---|------------------------------|--|------------------------------|
|   | Rating class and limiting features   | Value                | Rating class and limiting features  | Value                | Rating class and limiting features  | Value                        | Rating class and limiting features  | Value                        | Rating class and limiting features   | Value                        |
| 75460:<br>Horsecreek, WET<br>SUBSTRATUM<br>PHASE----- | Moderately limited   |                      | Moderately limited  |                      | Moderately limited  |                              | Moderately limited  |                              | Moderately limited   |                              |
|   | ~seepage<br>(moderately limited)   | 0.50                 | ~flooding<br>(moderately limited)   | 0.60                 | ~flooding<br>(moderately limited)<br>~erodes easily<br>(moderately limited)   | 0.60<br>0.60                 | ~erodes easily<br>(moderately limited)  | 0.60                         | ~erodes easily<br>(moderately limited)   | 0.60                         |
| 77014:<br>Rock outcrop---                             | Not rated  |                      | Not rated   |                      | Not rated   |                              | Not rated   |                              | Not rated  |                              |
| Taumsauk-----   | Very limited<br>~bedrock <20 in.<br>(very limited)<br>~slope<br>(limited)                                      | 1.00<br>0.89         | Very limited<br>~shallow to bedrock<br>(very limited)<br>~large stones<br>(very limited)<br>~large surface stones<br>(very limited) | 1.00<br>1.00<br>1.00 | Very limited<br>~shallow to bedrock<br>(very limited)<br>~droughty<br>(very limited)<br>~large surface stones<br>(very limited) | 1.00<br>1.00<br>1.00<br>1.00 | Very limited<br>~depth to bedrock<br>(very limited)<br>~large stones<br>(very limited)<br>~large surface stones<br>(very limited) | 1.00<br>1.00<br>1.00<br>1.00 | Very limited<br>~large stones<br>(very limited)<br>~bedrock <20 in.<br>(very limited)<br>~droughty<br>(very limited) | 1.00<br>1.00<br>1.00<br>1.00 |
| 77015:<br>Irondale-----                               | Very limited<br>~slope<br>(very limited)<br>~depth to bedrock<br>(limited)<br>~seepage<br>(moderately limited) | 1.00<br>0.96<br>0.50 | Very limited<br>~slope<br>(very limited)<br>~large stones<br>(limited)<br>~depth to bedrock<br>(limited)                            | 1.00<br>0.99<br>0.83 | Very limited<br>~droughty<br>(very limited)<br>~slope<br>(very limited)<br>~large stones<br>(limited)                           | 1.00<br>1.00<br>1.00<br>0.90 | Very limited<br>~depth to bedrock<br>(very limited)<br>~large stones<br>(very limited)<br>~slope<br>(very limited)                | 1.00<br>1.00<br>1.00<br>1.00 | Very limited<br>~large stones<br>(very limited)<br>~droughty<br>(very limited)<br>~slope<br>(very limited)           | 1.00<br>1.00<br>1.00<br>1.00 |
| Taumsauk-----   | Very limited<br>~bedrock <20 in.<br>(very limited)<br>~slope<br>(very limited)                                 | 1.00<br>1.00         | Very limited<br>~shallow to bedrock<br>(very limited)<br>~large stones<br>(very limited)<br>~slope<br>(very limited)                | 1.00<br>1.00<br>1.00 | Very limited<br>~shallow to bedrock<br>(very limited)<br>~droughty<br>(very limited)<br>~large stones<br>(very limited)         | 1.00<br>1.00<br>1.00<br>1.00 | Very limited<br>~depth to bedrock<br>(very limited)<br>~large stones<br>(very limited)<br>~slope<br>(very limited)                | 1.00<br>1.00<br>1.00<br>1.00 | Very limited<br>~large stones<br>(very limited)<br>~bedrock <20 in.<br>(very limited)<br>~droughty<br>(very limited) | 1.00<br>1.00<br>1.00<br>1.00 |
| Rock outcrop---                                       | Not rated  |                      | Not rated   |                      | Not rated   |                              | Not rated   |                              | Not rated  |                              |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name  | Pond reservoir areas                               |       | Drainage   |       | Irrigation   |       | Terraces and diversions                             |       | Grassed waterways                               |       |
|---------------------------|--|-------|--|-------|--|-------|---|-------|---|-------|
|                           | Rating class and limiting features                 | Value | Rating class and limiting features                   | Value | Rating class and limiting features                           | Value | Rating class and limiting features                  | Value | Rating class and limiting features              | Value |
| 77016:<br>Irondale-----   | Very limited<br>~slope<br>(very limited)           | 1.00  | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~slope<br>(very limited)                     | 1.00  | Very limited<br>~slope<br>(very limited)            | 1.00  | Very limited<br>~slope<br>(very limited)        | 1.00  |
|                           | ~depth to bedrock<br>(limited)                     | 0.86  | ~large surface stones<br>(very limited)              | 1.00  | ~large surface stones<br>(very limited)                      | 1.00  | ~depth to bedrock<br>(very limited)                 | 1.00  | ~large surface stones<br>(very limited)         | 1.00  |
|                           | ~seepage<br>(moderately limited)                   | 0.50  | ~depth to bedrock<br>(moderately limited)            | 0.35  | ~droughty<br>(limited)                                       | 0.91  | ~large surface stones<br>(very limited)             | 1.00  | ~droughty<br>(limited)                          | 0.91  |
| Taumsauk-----             | Very limited<br>~bedrock <20 in.<br>(very limited) | 1.00  | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~shallow to bedrock<br>(very limited)        | 1.00  | Very limited<br>~slope<br>(very limited)            | 1.00  | Very limited<br>~large stones<br>(very limited) | 1.00  |
|                           | ~slope<br>(very limited)                           | 1.00  | ~shallow to bedrock<br>(very limited)                | 1.00  | ~droughty<br>(very limited)                                  | 1.00  | ~depth to bedrock<br>(very limited)                 | 1.00  | ~bedrock <20 in.<br>(very limited)              | 1.00  |
|                           |  |       | ~large stones<br>(very limited)                      | 1.00  | ~slope<br>(very limited)                                     | 1.00  | ~large stones<br>(very limited)                     | 1.00  | ~slope<br>(very limited)                        | 1.00  |
| Rock outcrop---           | Not rated  |       | Not rated  |       | Not rated  |       | Not rated   |       | Not rated                                       |       |
| 77017:<br>Knobtop-----    | Limited<br>~depth to bedrock<br>(limited)          | 0.77  | Moderately limited<br>~slope<br>(moderately limited) | 0.40  | Moderately limited<br>~erodes easily<br>(moderately limited) | 0.60  | Very limited<br>~depth to bedrock<br>(very limited) | 1.00  | Limited<br>~depth to bedrock<br>(limited)       | 0.77  |
|                           | ~slope<br>(slightly limited)                       | 0.10  | ~percs slowly<br>(slightly limited)                  | 0.15  | ~slope<br>(moderately limited)                               | 0.40  | ~erodes easily<br>(moderately limited)              | 0.60  | ~erodes easily<br>(moderately limited)          | 0.60  |
|                           |  |       | ~large surface stones<br>(slightly limited)          | 0.13  | ~percs slowly<br>(slightly limited)                          | 0.15  | ~wetness<br>(moderately limited)                    | 0.53  | ~wetness<br>(moderately limited)                | 0.53  |
| 77019:<br>Frenchmill----- | Very limited<br>~slope<br>(very limited)           | 1.00  | Very limited<br>~slope<br>(very limited)             | 1.00  | Very limited<br>~slope<br>(very limited)                     | 1.00  | Very limited<br>~slope<br>(very limited)            | 1.00  | Very limited<br>~slope<br>(very limited)        | 1.00  |
|                           | ~seepage<br>(moderately limited)                   | 0.50  | ~large surface stones<br>(very limited)              | 1.00  | ~large surface stones<br>(very limited)                      | 1.00  | ~large surface stones<br>(very limited)             | 1.00  | ~large surface stones<br>(very limited)         | 1.00  |
|                           |  |       | ~large stones<br>(moderately limited)                | 0.51  | ~large stones<br>(slightly limited)                          | 0.01  | ~large stones<br>(very limited)                     | 1.00  | ~large stones<br>(very limited)                 | 1.00  |

Washington County, Missouri: Detailed Soil Map Legend

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

| Map symbol and soil name  | Pond reservoir areas               |       | Drainage                           |       | Irrigation                         |       | Terraces and diversions            |       | Grassed waterways                  |       |
|---------------------------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|------------------------------------|-------|
|                           | Rating class and limiting features | Value |
| 99000:<br>Pits, quarries- | Not rated                          |       |
| 99001:<br>Water-----      | Not rated                          |       |
| 99014:<br>Mine tailings-- | Not rated                          |       |