

(ONLY MAPUNITS THAT CONTAIN HYDRIC SOILS ARE LISTED)

| Map Symbol And map unit name                              | Hydric Component              | Percent Of Map Unit | Hydric Rating | Landform        | Hydric Soils Criteria |                           |                         |                        |
|---|-------------------------------|---------------------|---------------|-----------------|-----------------------|---------------------------|-------------------------|------------------------|
|   |                               |                     |               |                 | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
| 11B:<br>Colo-Ely complex, 2 to 5 percent slopes           | Colo,<br>Frequently flooded   | 50                  | Yes           | drainageways    | 2                     | Yes                       | No                      | No                     |
|   | Zook,<br>Frequently flooded   | 10                  | Yes           | drainageways    | 2                     | Yes                       | No                      | No                     |
| 43:<br>Bremer silty clay loam, 0 to 2 percent slopes      | Bremer,<br>rarely flooded     | 95                  | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |
|   | Humeston,<br>rarely flooded   | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 54:<br>Zook silty clay loam, 0 to 2 percent slopes        | Zook,<br>occasionally flooded | 100                 | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 75:<br>Givin silt loam, 0 to 2 percent slopes             | Rubio                         | 5                   | Yes           | flats           | 2                     | Yes                       | No                      | No                     |
| 76C2:<br>Ladoga silt loam, 5 to 9 percent slopes, eroded  | Rinda, eroded                 | 5                   | Yes           | interfluves     | 2                     | Yes                       | No                      | No                     |
| 80C:<br>Clinton silt loam, 5 to 9 percent slopes          | Ashgrove                      | 5                   | Yes           | interfluves     | 2                     | Yes                       | No                      | No                     |
| 80C2:<br>Clinton silt loam, 5 to 9 percent slopes, eroded | Ashgrove,<br>eroded           | 5                   | Yes           | interfluves     | 2                     | Yes                       | No                      | No                     |
| 88:<br>Nevin silty clay loam, 0 to 2 percent slopes       | Bremer,<br>rarely flooded     | 5                   | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |
| 118:<br>Garwin silty clay loam, 0 to 2 percent slopes     | Garwin                        | 90                  | Yes           | interfluves     | 2                     | Yes                       | No                      | No                     |
|   | Sperry,<br>depressional       | 5                   | Yes           | depressions     | 3, 2                  | Yes                       | No                      | Yes                    |
| 119:<br>Muscatine silt loam,                              | Garwin                        | 5                   | Yes           | flats           | 2                     | Yes                       | No                      | No                     |

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|   |        |   |     |             |   |     |    |    |
|---|--------|---|-----|-------------|---|-----|----|----|
| 0 to 2 percent slopes                                     |        |   |     |             |   |     |    |    |
| 119B:<br>Muscatine silty clay loam, 2 to 5 percent slopes | Garwin | 5 | Yes | interfluves | 2 | Yes | No | No |

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|  |                                      |                     |               |                 | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
| 122:<br>Sperry silt loam, 0 to 1 percent slopes              | Sperry                               | 100                 | Yes           | depressions     | 3, 2                  | Yes                       | No                      | Yes                    |
| 133:<br>Colo silty clay loam, 0 to 2 percent slopes          | Colo, occasionally flooded           | 100                 | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 133+:<br>Colo silt loam, overwash, 0 to 2 percent slopes     | Colo, overwash, occasionally flooded | 95                  | Yes           | flood plains    | 4, 2                  | Yes                       | Yes                     | No                     |
|  | Aquents, frequently flooded, ponded  | 5                   | Yes           | flood plains    | 2, 4, 3               | Yes                       | Yes                     | Yes                    |
| 135:<br>Coland silty clay loam, 0 to 2 percent slopes        | Coland, occasionally flooded         | 95                  | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
|  | Caneek, occasionally flooded         | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 141:<br>Watseka loamy fine sand, 0 to 2 percent slopes       | Granby                               | 5                   | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |
| 160:<br>Walford silt loam, 0 to 1 percent slopes             | Walford                              | 100                 | Yes           | flats           | 2                     | Yes                       | No                      | No                     |
| 161:<br>Walford-Atterberry silt loams, 1 to 3 percent slopes | Walford                              | 60                  | Yes           | flats           | 2                     | Yes                       | No                      | No                     |
|  | Garwin                               | 10                  | Yes           | flats           | 2                     | Yes                       | No                      | No                     |
| 165:<br>Stronghurst silt loam, 0 to 2 percent slopes         | Traer                                | 5                   | Yes           | flats           | 2                     | Yes                       | No                      | No                     |
| 173:<br>Hoopston fine sandy loam, 0 to 2 percent             | Granby                               | 5                   | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |

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|  |                                     |   |     |              |         |     |     |     |
|--|-------------------------------------|---|-----|--------------|---------|-----|-----|-----|
| slopes   |                                     |   |     |              |         |     |     |     |
| 184:<br>Klinger silty clay loam, 1 to 3 percent slopes | Maxfield                            | 5 | Yes | flats        | 2       | Yes | No  | No  |
| 220:<br>Nodaway silt loam, 0 to 2 percent slopes       | Aquents, frequently flooded, ponded | 5 | Yes | flood plains | 2, 3, 4 | Yes | Yes | Yes |

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|--|------------------------------------|---------------------|---------------|---------------|-----------------------|---------------------------|-------------------------|------------------------|
|  |                                    |                     |               |               | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
|  | Colo, occasionally flooded         | 3                   | Yes           | flood plains  | 2                     | Yes                       | No                      | No                     |
| 226:<br>Lawler loam, 32 to 40 inches to sand and gravel, 0 to 2 percent slopes | Marshan                            | 5                   | Yes           | river valleys | 2                     | Yes                       | No                      | No                     |
| 279:<br>Taintor silty clay loam, 0 to 2 percent slopes                         | Taintor                            | 90                  | Yes           | interfluves   | 2                     | Yes                       | No                      | No                     |
|  | Sperry                             | 5                   | Yes           | depressions   | 2, 3                  | Yes                       | No                      | Yes                    |
| 280:<br>Mahaska silty clay loam, 0 to 2 percent slopes                         | Taintor                            | 5                   | Yes           | interfluves   | 2                     | Yes                       | No                      | No                     |
| 281C2:<br>Otley silty clay loam, 5 to 9 percent slopes, eroded                 | Clearfield, eroded                 | 5                   | Yes           | hill slopes   | 2                     | Yes                       | No                      | No                     |
| 291:<br>Atterberry silt loam, 0 to 2 percent slopes                            | Walford                            | 5                   | Yes           | flats         | 2                     | Yes                       | No                      | No                     |
| 291B:<br>Atterberry silt loam, 2 to 5 percent slopes                           | Walford                            | 5                   | Yes           | flats         | 2                     | Yes                       | No                      | No                     |
| 320:<br>Arenzville silt loam, 0 to 2 percent slopes                            | Colo, frequently flooded, overwash | 5                   | Yes           | flood plains  | 4, 2                  | Yes                       | Yes                     | No                     |
| 382:<br>Maxfield silty clay loam, 0 to 2 percent slopes                        | Maxfield                           | 100                 | Yes           | flats         | 2                     | Yes                       | No                      | No                     |
| 422:   |                                    |                     |               |               |                       |                           |                         |                        |

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|  |                                    |     |     |                 |      |     |     |    |
|--|------------------------------------|-----|-----|-----------------|------|-----|-----|----|
| Amana silt loam, 0 to 2 percent slopes         | Colo, occasionally flooded         | 5   | Yes | flood plains    | 2    | Yes | No  | No |
| 428B: Ely silt loam, 2 to 5 percent slopes     | Colo, Frequently flooded           | 5   | Yes | flood plains    | 2    | Yes | No  | No |
| 430: Ackmore silt loam, 0 to 2 percent slopes  | Colo, frequently flooded, overwash | 5   | Yes | flood plains    | 4, 2 | Yes | Yes | No |
| 453: Tuskeego silt loam, 0 to 2 percent slopes | Tuskeego, rarely flooded           | 100 | Yes | stream terraces | 2    | Yes | No  | No |

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|---|-------------------------------|---------------------|---------------|-----------------|-----------------------|---------------------------|-------------------------|------------------------|
|   |                               |                     |               |                 | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
| 484: Lawson silt loam, 0 to 2 percent slopes  | Colo, occasionally flooded    | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 485: Spillville loam, 0 to 2 percent slopes   | Col and, occasionally flooded | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 520: Coppock silt loam, 0 to 2 percent slopes | Coppock, occasionally flooded | 95                  | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
|   | Vesser, occasionally flooded  | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 539: Perks sandy loam, 0 to 2 percent slopes  | Col and, occasionally flooded | 5                   | Yes           | flood plains    | 2                     | Yes                       | No                      | No                     |
| 621: Houghton muck, 0 to 2 percent slopes     | Houghton                      | 100                 | Yes           | drainageways    | 3, 1                  | No                        | No                      | Yes                    |
| 688: Koszta silt loam, 0 to 2 percent slopes  | Tuskeego, rarely flooded      | 5                   | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |
| 727: Udolpho loam, 0 to 2 percent slopes      | Udolpho                       | 100                 | Yes           | stream terraces | 2                     | Yes                       | No                      | No                     |
| 729B: Nodaway-Arenzville silt loams, 1 to 4   | Colo, Frequently              | 10                  | Yes           | drainageways    | 2                     | Yes                       | No                      | No                     |

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| percent slopes  | flooded                          |    |     |                  |      |     |    |     |
|---|----------------------------------|----|-----|------------------|------|-----|----|-----|
| 760:<br>Ansgar silt loam, 0 to 3 percent slopes       | Ansgar                           | 95 | Yes | open depressions | 2    | Yes | No | No  |
| 761:<br>Franklin silt loam, 1 to 3 percent slopes     | Ansgar                           | 5  | Yes | open depressions | 2    | Yes | No | No  |
| 826:<br>Rowley silt loam, 0 to 2 percent slopes       | Ossian, rarely flooded           | 5  | Yes | flood plains     | 2    | Yes | No | No  |
| 962:<br>Elvira silty clay loam, 0 to 2 percent slopes | Elvira, Frequently flooded       | 95 | Yes | flood plains     | 2    | Yes | No | No  |
|   | Colo, frequently flooded, ponded | 5  | Yes | flood plains     | 1, 3 | No  | No | Yes |

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|--|--|---------------------|---------------|--------------------------------|-----------------------|---------------------------|-------------------------|------------------------|
|  |  |                     |               |                                | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
| 1119:<br>Muscatine silty clay loam, terrace, 0 to 2 percent slopes | Garwin, terrace                        | 5                   | Yes           | stream terraces                | 2                     | Yes                       | No                      | No                     |
| 1152:<br>Marshan clay loam, 0 to 2 percent slopes, rarely flooded  | Marshan, rarely flooded                | 75                  | Yes           | stream terraces                | 2                     | Yes                       | No                      | No                     |
|  | Sel mass, rarely flooded               | 5                   | Yes           | stream terraces                | 2                     | Yes                       | No                      | No                     |
|  | Shandep, ponded, occasionally flooded  | 5                   | Yes           | depressions on stream terraces | 3, 2                  | Yes                       | No                      | Yes                    |
| 1160:<br>Walford silt loam, benches, 0 to 1 percent slopes         | Walford, terrace                       | 100                 | Yes           | stream terraces                | 2                     | Yes                       | No                      | No                     |
| 1220:<br>Nodaway silt loam, channeled, 0 to 2 percent slopes       | Nodaway, frequently flooded, channeled | 92                  | Yes           | flood plains                   | 4                     | No                        | Yes                     | No                     |
|  | Colo, Frequently flooded               | 5                   | Yes           | flood plains                   | 2, 4                  | Yes                       | Yes                     | No                     |
|  | Aquents,                               | 3                   | Yes           | flood plains                   | 2, 3, 4               | Yes                       | Yes                     | Yes                    |

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|  |   |    |     |                                |         |     |     |     |
|--|---|----|-----|--------------------------------|---------|-----|-----|-----|
| 1226:<br>Lawler loam, 0 to 2 percent slopes, rarely flooded      | frequently flooded, ponded<br>Marshan, rarely flooded | 5  | Yes | stream terraces                | 2       | Yes | No  | No  |
|  | Shandep, ponded, occasionally flooded                 | 5  | Yes | depressions on stream terraces | 3, 2    | Yes | No  | Yes |
| 1280:<br>Mahaska silty clay loam, terrace, 0 to 2 percent slopes | Taintor, terrace                                      | 5  | Yes | stream terraces                | 2       | Yes | No  | No  |
| 1291:<br>Atterberry silt loam, benches, 0 to 2 percent slopes    | Walford, terrace                                      | 5  | Yes | stream terraces                | 2       | Yes | No  | No  |
| 1315:<br>Perks-Spillville complex, 0 to 2 percent slopes         | Aquents, frequently flooded, ponded                   | 15 | Yes | flood plains                   | 2, 4, 3 | Yes | Yes | Yes |
|  | Colo, Frequently flooded                              | 15 | Yes | flood plains                   | 2       | Yes | No  | No  |

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|   |   |                     |               |              | Hydric Criteria Code  | Meets Saturation Criteria | Meets Flooding Criteria | Meets Ponding Criteria |
| 1316:<br>Fluvaquents, ponded                                | Fluvaquents, frequently flooded, ponded   | 100                 | Yes           | flood plains | 3, 2, 4               | Yes                       | Yes                     | Yes                    |
| 1484:<br>Lawson silt loam, channeled, 0 to 2 percent slopes | Lawson, frequently flooded, channeled     | 90                  | Yes           | flood plains | 4                     | No                        | Yes                     | No                     |
|   | Aquents, frequently flooded, ponded       | 5                   | Yes           | flood plains | 4, 2, 3               | Yes                       | Yes                     | Yes                    |
|   | Colo, Frequently flooded                  | 5                   | Yes           | flood plains | 2, 4                  | Yes                       | Yes                     | No                     |
| 1485:<br>Spillville loam, channeled, 0 to 2 percent slopes  | Spillville, frequently flooded, channeled | 92                  | Yes           | flood plains | 4                     | No                        | Yes                     | No                     |

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|  |  |    |     |                    |         |     |     |     |
|--|--|----|-----|--------------------|---------|-----|-----|-----|
| 1727:<br>Udolpho loam, 0 to 2<br>percent slopes                  | Col and,<br>Frequently<br>flooded            | 5  | Yes | flood plains       | 4, 2    | Yes | Yes | No  |
|  | Aquents,<br>frequently<br>flooded,<br>ponded | 3  | Yes | flood plains       | 3, 4, 2 | Yes | Yes | Yes |
|  | Udolpho,<br>rarely<br>flooded                | 80 | Yes | stream<br>terraces | 2       | Yes | No  | No  |
|  | Sel mass,<br>rarely<br>flooded               | 5  | Yes | stream<br>terraces | 2       | Yes | No  | No  |
| 2422:<br>Amana-Lawson-Perks<br>complex, 0 to 2<br>percent slopes | Aquents,<br>frequently<br>flooded,<br>ponded | 5  | Yes | flood plains       | 4, 3, 2 | Yes | Yes | Yes |
|  | Colo,<br>frequently<br>flooded,<br>ponded    | 5  | Yes | flood plains       | 4, 2, 3 | Yes | Yes | Yes |

Explanation of hydric criteria codes:

1. All Histels (except for Folistels), and Histosols (except for Folists), which are, by definition, saturated
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
  - A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
  - B. are poorly drained or very poorly drained and have either:
    - 1.) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
    - 2.) a water table at a depth of 0.5 foot or less during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
    - 3.) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
3. Soils that are frequently ponded for periods of long or very long duration during the growing season.
4. Soils that are frequently flooded for periods of long or very long duration during the growing season.