

# Hydric Soils

Yates County, New York

| Map symbol and map unit name                                   | Component           | Percent of map unit | Landform        | Hydric rating | Hydric criteria |
|----------------------------------------------------------------|---------------------|---------------------|-----------------|---------------|-----------------|
| <b>Ad:</b>                                                     |                     |                     |                 |               |                 |
| Allis silt loam, 36 inches or more deep, 3 to 8 percent slopes | Allis               | 75                  | Depressions     | Yes           | 2B3             |
| <b>Ag:</b>                                                     |                     |                     |                 |               |                 |
| Alluvial soils, undifferentiated, 0 to 2 percent slopes        | Fluvaquents         | 30                  | Flood plains    | Yes           | 2B3, 3, 4       |
| <b>As:</b>                                                     |                     |                     |                 |               |                 |
| Atherton silt loam, 0 to 1 percent slopes                      | Atherton, drained   | 75                  | Depressions     | Yes           | 2B3             |
| <b>Ce:</b>                                                     |                     |                     |                 |               |                 |
| Carlisle muck, 0 to 1 percent slopes                           | Carlisle, undrained | 40                  | Marshes, Swamps | Yes           | 1, 3            |
|                                                                | Carlisle, drained   | 35                  | Marshes, Swamps | Yes           | 1               |
| <b>Cf:</b>                                                     |                     |                     |                 |               |                 |
| Carlisle muck, shallow, 0 to 1 percent slopes                  | Palms, undrained    | 75                  | Marshes, Swamps | Yes           | 1, 3            |
| <b>Cy:</b>                                                     |                     |                     |                 |               |                 |
| Chippewa silt loam, 0 to 1 percent slopes                      | Chippewa            | 80                  | Depressions     | Yes           | 2B3             |
| <b>Cz:</b>                                                     |                     |                     |                 |               |                 |
| Chippewa silt loam, 3 to 8 percent slopes                      | Chippewa            | 75                  | Depressions     | Yes           | 2B3             |
| <b>Ea:</b>                                                     |                     |                     |                 |               |                 |
| Edwards muck, 0 to 1 percent slopes                            | Edwards, undrained  | 45                  | Marshes, Swamps | Yes           | 1, 3            |
|                                                                | Edwards, drained    | 30                  | Marshes, Swamps | Yes           | 1               |
| <b>Ff:</b>                                                     |                     |                     |                 |               |                 |
| Fresh water marsh, 0 to 1 percent slopes                       | Saprists            | 40                  | Marshes, Swamps | Yes           | 1, 3            |
|                                                                | Aquents             | 35                  | Depressions     | Yes           | 2B3, 3          |
| <b>Ha:</b>                                                     |                     |                     |                 |               |                 |
| Holly silt loam, 0 to 1 percent slopes                         | Wayland             | 75                  | Flood plains    | Yes           | 2B3, 4          |
| <b>LA:</b>                                                     |                     |                     |                 |               |                 |
| Lyons silt loam, 0 to 1 percent slopes                         | Lyons               | 70                  | Depressions     | Yes           | 2B3, 3          |
| <b>La:</b>                                                     |                     |                     |                 |               |                 |
| Lakemont silty clay loam, 0 to 2 percent slopes                | Lakemont            | 75                  | Depressions     | Yes           | 2B3             |

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| <b>ML:</b>                                            |                     |                     |                 |               |                 |
| Martisco muck                                         | Martisco, UNDRAINED | 50                  | Marshes, Swamps | Yes           | 2B3, 3, 4       |
|                                                       | Martisco, DRAINED   | 30                  | Marshes, Swamps | Yes           | 2B3, 3, 4       |
| <b>Mn:</b>                                            |                     |                     |                 |               |                 |
| Morocco fine sandy loam, 0 to 2 percent slopes        | Wareham             | 75                  | Depressions     | Yes           | 2B2             |
| <b>PA:</b>                                            |                     |                     |                 |               |                 |
| Palms muck, 0 to 3 percent slopes                     | Palms, undrained    | 40                  | Marshes, Swamps | Yes           | 1, 3            |
|                                                       | Palms, drained      | 35                  | Marshes, Swamps | Yes           | 1               |
| <b>PI:</b>                                            |                     |                     |                 |               |                 |
| Poygan silty clay loam, 0 to 1 percent slopes         | Fonda               | 75                  | Depressions     | Yes           | 2B3, 3          |
| <b>Sk:</b>                                            |                     |                     |                 |               |                 |
| Sloan silt loam, 0 to 1 percent slopes                | Wayland             | 75                  | Flood plains    | Yes           | 2B3, 3, 4       |
| <b>Ta:</b>                                            |                     |                     |                 |               |                 |
| Toledo silty clay loam, 0 to 1 percent slopes         | Fonda               | 75                  | Depressions     | Yes           | 2B3, 3          |
| <b>WA:</b>                                            |                     |                     |                 |               |                 |
| Wallkill mucky silty clay loam, 0 to 3 percent slopes | Wallkill, drained   | 60                  | Flood plains    | Yes           | 2B3             |
|                                                       | Wallkill, undrained | 20                  | Flood plains    | Yes           | 2B3, 3, 4       |
| <b>Wb:</b>                                            |                     |                     |                 |               |                 |
| Wayland silt loam, 0 to 1 percent slopes              | Wayland             | 75                  | Flood plains    | Yes           | 2B3             |
| <b>Wc:</b>                                            |                     |                     |                 |               |                 |
| Wayland silty clay loam, 0 to 1 percent slopes        | Wayland             | 70                  | Flood plains    | Yes           | 2B3             |
| <b>Wd:</b>                                            |                     |                     |                 |               |                 |
| Westland silt loam, 0 to 1 percent slopes             | Westland            | 70                  | Depressions     | Yes           | 2B3, 3          |

Explanation of hydric criteria codes:

1. All Histels except for Folistels, and Histosols except for Folists.
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

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- 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 long or very long duration during the growing season.
4. Soils that are frequently flooded for long or very long duration during the growing season.