

# Hydric Soils

Cayuga County, New York

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
Ac: Alden mucky silt loam	Alden	75	Depressions	Yes	2B3, 3
Ad: Alden mucky silt loam, till substratum	Alden, till substratum	75	Depressions	Yes	2B3, 3
Al: * Alluvial land	Fluvaquents	40	Flood plains	Yes	2B3, 3, 4
AsB: * Appleton and Lyons loams, 0 to 5 percent slopes	Lyons	35	Depressions	Yes	2B3
Ed: Edwards muck	Edwards	75	Marshes, Swamps	Yes	1, 3
EIB: Ellery and Alden silt loams, 3 to 8 percent slopes	Alden	40	Depressions	Yes	2B3, 3
	Chippewa	40	Depressions	Yes	2B3
Fo: Fonda mucky silt loam	Fonda	75	Depressions	Yes	2B3, 3
Fw: Fresh water marsh	Aquents	40	Flood plains	Yes	2B3, 3
	Saprists	40	Marshes, Swamps	Yes	1, 3
KIA: * Kendaia and Lyons silt loams, 0 to 3 percent slopes	Lyons	30	Depressions	Yes	2B3
Lc: Lakemont silty clay loam	Lakemont	80	Depressions	Yes	2B3
Le: Lamson fine sandy loam	Lamson	75	Depressions	Yes	2B3
Lf: Lamson mucky fine sandy loam	Lamson	75	Depressions	Yes	2B3, 3
Ma: Madalin silt loam	Madalin	80	Depressions	Yes	2B3, 3
Mb: Madalin silt loam, sandy subsoil variant	Madalin, Sandy subsoil	80	Depressions	Yes	2B3
Mr: Muck, deep	Muck (carlisle)	75	Marshes, Swamps	Yes	1, 3

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Ms: Muck, shallow	Muck (palms)	75	Marshes, Swamps	Yes	1, 3
Nc: * Niagara and Canandaigua silt loams	Canandaigua	35	Depressions	Yes	2B3, 3
Pu: Peat and Muck	Peat	40	Marshes, Swamps	Yes	1, 3
	Muck	35	Marshes, Swamps	Yes	1, 3
Ro: Romulus silty clay loam	Romulus	80	Bogs	Yes	2B3
Sn: Sloan silt loam	Sloan (wayland)	75	Flood plains	Yes	2B3
Va: Varick silt loam	Varick	80	Depressions	Yes	2B3
We: Warners loam	Warners	80	Marshes, Swamps	Yes	2B3, 3, 4

\* partially hydric map unit

## 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
    - 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.