

Hydric Soils

Tompkins County, New York

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
Ab: * Alluvial land	Fluvaquents	40	Flood plains	Yes	2B3, 3, 4
Ca: Canandaigua and Lamson soils	Canandaigua	40	Depressions	Yes	2B3, 3
	Lamson	35	Depressions	Yes	2B3
EcA: Ellery, Chippewa, and Alden soils, 0 to 8 percent slopes	Alden	25	Depressions	Yes	2B3, 3
	Chippewa	25	Depressions	Yes	2B3
	Ellery	25	Depressions	Yes	2B3
ErA: * Erie-Ellery channery silt loams, 0 to 3 percent slopes	Ellery	30	Depressions	Yes	2B3
Fm: Fresh water marsh	Saprists	45	Marshes, Swamps	Yes	1, 3
	Fluvaquents	30	Depressions	Yes	2B3, 3, 4
Ha: Halsey silt loam	Halsey	75	Depressions	Yes	2B3, 3
Hc: Halsey mucky silt loam	Halsey	75	Depressions	Yes	2B3
Hk: Holly and Papakating soils	Holly (wayland)	40	Flood plains	Yes	2B3, 4
	Papakating	35	Depressions	Yes	2B3, 3, 4
IcA: Ilion silty clay loam, 0 to 2 percent slopes	Ilion	75	Depressions	Yes	2B3, 3
IcB: Ilion silty clay loam, 2 to 6 percent slopes	Ilion	75	Depressions	Yes	2B3, 3
KnA: * Kendaia and Lyons silt loams, 0 to 3 percent slopes	Lyons	25	Depressions	Yes	2B3, 3

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Ly: Lyons silt loam	Lyons	75	Depressions	Yes	2B3
Mm: Madalin mucky silty clay loam	Madalin	75	Depressions	Yes	2B3, 3
Mn: Madalin silty clay loam	Madalin	75	Depressions	Yes	2B3
Mp: Muck and Peat	Saprists	40	Marshes, Swamps	Yes	1, 3
	Fibrists	35	Depressions	Yes	1, 3
TeA: Tuller channery silt loam, 0 to 6 percent slopes	Tuller, moderately deep slopes	75	Benches, Hills, Ridges	Yes	2B3
VoA: * Volusia-Chippewa channery silt loams, 0 to 3 percent slopes	Chippewa	30	Depressions	Yes	2B3
Ws: Wayland and Sloan silt loams	Sloan	40	Flood plains	Yes	2B3, 3
	Wayland	40	Depressions	Yes	2B3, 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.