

Hydric Soils

Tioga County, New York

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
A: *					
Alluvial soils, undifferentiated	Fluvaquents (Alluvial soils)	40	Flood plains	Yes	2B3, 3, 4
Acl:					
Allis channery silt loam, 3 to 8 percent slopes	Allis	80	Depressions	Yes	2B3
Al:					
Atherton silt loam	Atherton	70	Depressions	Yes	2B3, 3
Cc:					
Chippewa channery silt loam	Chippewa	80	Depressions	Yes	2B3, 3
Ch:					
Chippewa stony silt loam	Chippewa, stony	75	Depressions	Yes	2B3, 3
HI:					
Holly silt loam	Wayland (Holly)	75	Flood plains	Yes	2B3, 3, 4
Mu:					
Muck	Catden (Muck)	40	Marshes, Swamps	Yes	1, 3
	Natchaug (Muck)	35	Marshes, Swamps	Yes	1, 3

* partially hydric map unit

Explanation of hydric criteria codes:

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