

Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AdB: Adams loamy fine sand, 3 to 8 percent slopes	Adams	No	---	---	---	---	---
AdC: Adams loamy fine sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
AdD: Adams loamy fine sand, 15 to 25 percent slopes	Adams	No	---	---	---	---	---
BaB: Bangor silt loam, 3 to 8 percent slopes	Bangor	No	---	---	---	---	---
BaC: Bangor silt loam, 8 to 15 percent slopes	Bangor	No	---	---	---	---	---
BaD: Bangor silt loam, 15 to 25 percent slopes	Bangor	No	---	---	---	---	---
BbB: Bangor very stony silt loam, 3 to 8 percent slopes	Bangor	No	---	---	---	---	---
BbC: Bangor very stony silt loam, 8 to 15 percent slopes	Bangor	No	---	---	---	---	---
BbD: Bangor very stony silt loam, 15 to 25 percent	Bangor	No	---	---	---	---	---
Be: Beaches	Beaches	Yes	Beach	---	---	---	---
Bf: Biddeford mucky peat	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes
BoB: Boothbay silt loam, 3 to 8 percent slopes	Boothbay	No	---	---	---	---	---
BoC: Boothbay silt loam, 8 to 15 percent slopes	Boothbay	No	---	---	---	---	---
BoD: Boothbay silt loam, 15 to 25 percent slopes	Boothbay	No	---	---	---	---	---
BoE3: Boothbay silt loam, 25 to 45 percent slopes, severely eroded	Boothbay	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
BpB: Boothbay very stony silt loam, 3 to 8 percent slopes	Boothbay	No	---	---	---	---	---
Bs: Borosapristis, ponded	Borosapristis	Yes	Swamp	1,3	No	No	Yes
BtB: Brayton fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BvB: Brayton very stony fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BxB: Brayton extremely stony fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
Ch: Charles silt loam	Charles	Yes	Flood Plain	2B3	Yes	No	No
DxB: Dixmont silt loam, 3 to 8 percent slopes	Dixmont	No	---	---	---	---	---
DxC: Dixmont silt loam, 8 to 15 percent slopes	Dixmont	No	---	---	---	---	---
DyB: Dixmont very stony silt loam, 3 to 8 percent slopes	Dixmont	No	---	---	---	---	---
DyC: Dixmont very stony silt loam, 8 to 15 percent slopes	Dixmont	No	---	---	---	---	---
EIB: Eldridge fine sandy loam, 3 to 8 percent slopes	Eldridge	No	---	---	---	---	---
EIC: Eldridge fine sandy loam, 8 to 15 percent slopes	Eldridge	No	---	---	---	---	---
HeB: Hermon sandy loam, 3 to 8 percent slopes	Hermon	No	---	---	---	---	---
HeC: Hermon sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HfC: Hermon very stony sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
HfD: Hermon very stony sandy loam, 15 to 25 percent	Hermon	No	---	---	---	---	---
HgC: Hermon extremely stony sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HgD: Hermon extremely stony sandy loam, 15 to 25 percent slopes	Hermon	No	---	---	---	---	---
Le: Lovewell very fine sandy loam	Lovewell	No	---	---	---	---	---
Lk: Limerick and rumney soils	Limerick	Yes	Flood Plain	2B3	Yes	No	No
	Rumney	Yes	Flood Plain	2B3	Yes	No	No
LrB: Lyman-rock outcrop complex, 3 to 8 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
LrC: Lyman-rock outcrop complex, 8 to 15 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
LrE: Lyman-rock outcrop complex, 15 to 60 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
MaB: Madawaska fine sandy loam, 3 to 8 percent slopes	Madawaska	No	---	---	---	---	---
MbB: Marlow fine sandy loam, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
MbC: Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
MbD: Marlow fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MeB: Marlow very stony fine sandy loam, 3 to 8 percent	Marlow	No	---	---	---	---	---
MeC: Marlow very stony fine sandy loam, 8 to 15 percent	Marlow	No	---	---	---	---	---
MeD: Marlow very stony fine sandy loam, 15 to 25	Marlow	No	---	---	---	---	---
MeE: Marlow very stony fine sandy loam, 25 to 45	Marlow	No	---	---	---	---	---
MfC: Marlow extremely stony fine sandy loam, 3 to 15 percent slopes	Marlow	No	---	---	---	---	---
MfE: Marlow extremely stony fine sandy loam, 15 to 45 percent slopes	Marlow	No	---	---	---	---	---
MkB: Masardis fine sandy loam, 0 to 8 percent slopes	Masardis	No	---	---	---	---	---
MkC: Masardis fine sandy loam, 8 to 15 percent slopes	Masardis	No	---	---	---	---	---
MkE: Masardis fine sandy loam, 15 to 45 percent slopes	Masardis	No	---	---	---	---	---
MrB: Masardis variant fine sandy loam, very rocky, 3 to 8 percent slopes	Masardis Variant	No	---	---	---	---	---
MrC: Masardis variant fine sandy loam, very rocky, 8 to 15 percent slopes	Masardis Variant	No	---	---	---	---	---
MsB: Masardis variant-rock outcrop complex, 3 to 8 percent slopes	Masardis Variant	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
MsC: Masardis variant-rock outcrop complex, 8 to 15 percent slopes	Masardis Variant	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MsC: Masardis variant-rock outcrop complex, 8 to 15 percent slopes	Rock Outcrop	No	---	---	---	---	---
MwB: Monarda silt loam, 0 to 8 percent slopes	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
My: Medomak silt loam	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
MyB: Monarda very stony silt loam, 0 to 8 percent slopes	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
Na: Naumburg loamy sand	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No
PaB: Peru fine sandy loam, 3 to 8 percent slopes	Peru	No	---	---	---	---	---
PaC: Peru fine sandy loam, 8 to 15 percent slopes	Peru	No	---	---	---	---	---
PbB: Peru very stony fine sandy loam, 3 to 8 percent slopes	Peru	No	---	---	---	---	---
PbC: Peru very stony fine sandy loam, 8 to 15 percent	Peru	No	---	---	---	---	---
PcB: Peru extremely stony fine sandy loam, 3 to 8 percent slopes	Peru	No	---	---	---	---	---
PcC: Peru extremely stony fine sandy loam, 8 to 15 percent slopes	Peru	No	---	---	---	---	---
PcD: Peru extremely stony fine sandy loam, 15 to 30 percent slopes	Peru	No	---	---	---	---	---
Pg: Pits, gravel and sand	Pits	No	---	---	---	---	---
Py: Podunk fine sandy loam	Podunk	No	---	---	---	---	---
Qu: Quarries	Quarries	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
Rc: Rock outcrop	Rock Outcrop	No	---	---	---	---	---
RmC: Rock outcrop-lyman complex, 3 to 15 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
RmE: Rock outcrop-lyman complex, 15 to 60 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Sa: Saco very fine sandy loam	Saco	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
Se: Searsport mucky peat	Searsport	Yes	Outwash Plain	2B3,3	Yes	No	Yes
Su: Sulfaquents and sulfihemists, frequently flooded	Sulfaquents	Yes	Salt Marsh	2B3,3	Yes	No	Yes
	Sulfihemists	Yes	Tidal Flat	1	No	No	No
Sw: Swanville silt loam	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
ThB: Thorndike-winnecook complex, 3 to 8 percent slopes	Thorndike	No	---	---	---	---	---
	Winnecook	No	---	---	---	---	---
ThC: Thorndike-winnecook complex, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
	Winnecook	No	---	---	---	---	---
ThD: Thorndike-winnecook complex, 15 to 25 percent slopes	Thorndike	No	---	---	---	---	---
	Winnecook	No	---	---	---	---	---
TkB: Thorndike-rock outcrop complex, 3 to 8 percent slopes	Thorndike	No	---	---	---	---	---

Hydric Soils List - Continued

Waldo County, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
TkB: Thorndike-rock outcrop complex, 3 to 8 percent slopes	Rock Outcrop	No	---	---	---	---	---
TkC: Thorndike-rock outcrop complex, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
TkE: Thorndike-rock outcrop complex, 15 to 45 percent slopes	Thorndike	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
TrB: Tunbridge-lyman complex, 3 to 8 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TrC: Tunbridge-lyman complex, 8 to 15 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TrD: Tunbridge-lyman complex, 15 to 25 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Ud: Udorthents-urbanland complex	Udorthents	No	---	---	---	---	---
	Urbanland	No	---	---	---	---	---
W: Water bodies	Water	Yes	Lake	---	---	---	---