

## **Section II - Soil and Site Information**

### **Hydric Soil Interpretations For**

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#### **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

Knox And Lincoln Counties, 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	---	---	---	---	---
AgA: Allagash fine sandy loam, 0 to 3 percent slopes	Allagash	No	---	---	---	---	---
AgB: Allagash fine sandy loam, 3 to 8 percent slopes	Allagash	No	---	---	---	---	---
AgC: Allagash fine sandy loam, 8 to 15 percent slopes	Allagash	No	---	---	---	---	---
Be: Beaches	Beaches	Yes	Beach	---	---	---	---
Bg: 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	---	---	---	---	---
BoD2: Boothbay silt loam, 15 to 25 percent slopes, eroded	Boothbay	No	---	---	---	---	---
Bp: Borosaprists, ponded	Borosaprists	Yes	Swamp	1,3	No	No	Yes
BsB: Brayton fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BtB: Brayton very stony fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BuB: Buxton silt loam, 3 to 8 percent slopes	Buxton	No	---	---	---	---	---

## Hydric Soils List - Continued

Knox And Lincoln Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
BuC: Buxton silt loam, 8 to 15 percent slopes	Buxton	No	---	---	---	---	---
BuD2: Buxton silt loam, 15 to 25 percent slopes, eroded	Buxton	No	---	---	---	---	---
Ch: Charles silt loam	Charles	Yes	Flood Plain	2B3	Yes	No	No
Dp: Dumps-pits complex	Dumps	No	---	---	---	---	---
	Pits	No	---	---	---	---	---
EgB: Eldridge fine sandy loam, 3 to 8 percent slopes	Eldridge	No	---	---	---	---	---
HeB: Hermon fine sandy loam, 0 to 8 percent slopes	Hermon	No	---	---	---	---	---
HeC: Hermon fine sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HtB: Hermon very stony fine sandy loam, 0 to 8 percent slopes	Hermon	No	---	---	---	---	---
HtC: Hermon very stony fine sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HtD: Hermon very stony fine sandy loam, 15 to 25 percent slopes	Hermon	No	---	---	---	---	---
HxB: Hermon extremely bouldery fine sandy loam, 3 to 8 percent slopes	Hermon	No	---	---	---	---	---
HxC: Hermon extremely bouldery fine sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
Le: Lovewell very fine sandy loam	Lovewell	No	---	---	---	---	---

## Hydric Soils List - Continued

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
<b>LmB:</b> Lyman-brayton variant-rock outcrop complex, 0 to 8 percent slopes	Lyman	No	---	---	---	---	---
	Brayton Variant	Yes	Ground Moraine	2B3	Yes	No	No
	Rock Outcrop	No	---	---	---	---	---
<b>LrB:</b> Lyman-rock outcrop-tunbridge complex, 3 to 8 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
<b>LrC:</b> Lyman-rock outcrop-tunbridge complex, 8 to 15 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
<b>LrE:</b> Lyman-rock outcrop-tunbridge complex, 15 to 45 percent slopes	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
<b>MaB:</b> Madawaska fine sandy loam, 3 to 8 percent slopes	Madawaska	No	---	---	---	---	---
<b>MrB:</b> Marlow fine sandy loam, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
<b>MrC:</b> Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
<b>MrD:</b> Marlow fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
<b>MsB:</b> Marlow very stony fine sandy loam, 3 to 8 percent	Marlow	No	---	---	---	---	---
<b>MsC:</b> Marlow very stony fine sandy loam, 8 to 15 percent	Marlow	No	---	---	---	---	---

## Hydric Soils List - Continued

Knox And Lincoln Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MsD: Marlow very stony fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
MtB: Marlow-berkshire fine sandy loams, 3 to 8 percent slope	Marlow	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MtC: Marlow-berkshire fine sandy loams, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MwB: Marlow-berkshire very stony fine sandy loams, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MwC: Marlow-berkshire very stony fine sandy loams, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MwD: Marlow-berkshire very stony fine sandy loams, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MxB: Masardis gravelly fine sandy loam, 3 to 8 percent	Masardis	No	---	---	---	---	---
MxC: Masardis gravelly fine sandy loam, 8 to 15 percent	Masardis	No	---	---	---	---	---
MxD: Masardis gravelly fine sandy loam, 15 to 25 percent slopes	Masardis	No	---	---	---	---	---
My: Medomak silt loam	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
Na: Naumburg loamy sand	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
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	---	---	---	---	---
Pg: Pits, gravel and sand	Pits	No	---	---	---	---	---
Rc: Rock outcrop	Rock Outcrop	No	---	---	---	---	---
RmC: Rock outcrop-lyman complex, 0 to 15 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
RmE: Rock outcrop-lyman complex, 15 to 80 percent slopes	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Sc: Scantic silt loam	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
Sp: Searsport mucky peat	Searsport	Yes	Outwash Plain	2B3,3	Yes	No	Yes
StB: Sheepscot fine sandy loam, 0 to 8 percent slopes	Sheepscot	No	---	---	---	---	---
Su: Sulfihemists and sulfaquents, frequently flooded	Sulfihemists	Yes	Tidal Flat	1,3	No	No	Yes
	Sulfaquents	Yes	Salt Marsh	2B3,3	Yes	No	Yes
Sw: Swanville silt loam	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
TrB: Tunbridge-lyman fine sandy loams, 3 to 8 percent	Tunbridge	No	---	---	---	---	---

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
TrB: Tunbridge-lyman fine sandy loams, 3 to 8 percent	Lyman	No	---	---	---	---	---
TrC: Tunbridge-lyman fine sandy loams, 8 to 15 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TrD: Tunbridge-lyman fine sandy loams, 15 to 25 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Ud: Udorthents-urban land complex	Udorthents	No	---	---	---	---	---
	Urban Land	No	---	---	---	---	---
W: Water bodies	Water	Yes	Lake	---	---		