

## **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

Oxford County Area, 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
AbE: Abram-rock outcrop complex, 15 to 80 percent slopes	Abram	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
ACC: Abram-rock outcrop-lyman complex, rolling	Abram	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
ACE: Abram-rock outcrop-lyman complex, very hilly	Abram	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
AdA: Adams loamy sand, 0 to 3 percent slopes	Adams	No	---	---	---	---	---
AdB: Adams loamy sand, 3 to 8 percent slopes	Adams	No	---	---	---	---	---
AdC: Adams loamy sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
AdD: Adams loamy sand, 15 to 25 percent slopes	Adams	No	---	---	---	---	---
AED: Adams loamy sand, moderately steep	Adams	No	---	---	---	---	---
AGC: Adams-croghan association, strongly sloping	Adams	No	---	---	---	---	---
	Croghan	No	---	---	---	---	---
AHC: Adams-hermon association, strongly sloping	Adams	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
AHD: Adams-hermon association, moderately steep	Adams	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
AHD: Adams-hermon association, moderately steep	Hermon	No	---	---	---	---	---
BeB: Becket fine sandy loam, 3 to 8 percent slopes	Becket	No	---	---	---	---	---
BeC: Becket fine sandy loam, 8 to 15 percent slopes	Becket	No	---	---	---	---	---
BeD: Becket fine sandy loam, 15 to 25 percent slopes	Becket	No	---	---	---	---	---
BkB: Becket fine sandy loam, 3 to 8 percent slopes, very	Becket	No	---	---	---	---	---
BkC: Becket fine sandy loam, 8 to 15 percent slopes, very	Becket	No	---	---	---	---	---
BkD: Becket fine sandy loam, 15 to 35 percent slopes, very stony	Becket	No	---	---	---	---	---
Bp: Brayton-peacham complex, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
BRB: Brayton-peacham complex, gently sloping, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
Ca: Charles silt loam, occasionally flooded	Charles	Yes	Flood Plain	2B3	Yes	No	No
Cb: Charles silt loam, frequently flooded	Charles	Yes	Flood Plain	2B3	Yes	No	No
CeB: Colonel fine sandy loam, 3 to 8 percent slopes	Colonel	No	---	---	---	---	---
CeC: Colonel fine sandy loam, 8 to 15 percent slopes	Colonel	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
CfB: Colonel fine sandy loam, 3 to 8 percent slopes, very stony	Colonel	No	---	---	---	---	---
CfC: Colonel fine sandy loam, 8 to 15 percent slopes, very stony	Colonel	No	---	---	---	---	---
CgB: Colton gravelly loamy sand, 3 to 8 percent slopes	Colton	No	---	---	---	---	---
CgC: Colton gravelly loamy sand, 8 to 15 percent slopes	Colton	No	---	---	---	---	---
CgD: Colton gravelly loamy sand, 15 to 25 percent slopes	Colton	No	---	---	---	---	---
CHC: Colton-adams association, strongly sloping	Colton	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
CHD: Colton-adams association, moderately steep	Colton	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
Co: Cornish very fine sandy loam, occasionally flooded	Cornish	No	---	---	---	---	---
Cp: Cornish very fine sandy loam, frequently flooded	Cornish	No	---	---	---	---	---
CrA: Croghan loamy fine sand, 0 to 3 percent slopes	Croghan	No	---	---	---	---	---
CrB: Croghan loamy fine sand, 3 to 8 percent slopes	Croghan	No	---	---	---	---	---
DfB: Dixfield fine sandy loam, 3 to 8 percent slopes	Dixfield	No	---	---	---	---	---
DfC: Dixfield fine sandy loam, 8 to 15 percent slopes	Dixfield	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
DsB: Dixfield fine sandy loam, 3 to 8 percent slopes, very	Dixfield	No	---	---	---	---	---
DsC: Dixfield fine sandy loam, 8 to 20 percent slopes, very	Dixfield	No	---	---	---	---	---
DTC: Dixfield-colonel association, strongly sloping	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DUC: Dixfield-colonel association, strongly sloping, very	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DUD: Dixfield-colonel association, moderately steep, very	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DWC: Dixfield-marlow association, strongly sloping	Dixfield	No	---	---	---	---	---
	Marlow	No	---	---	---	---	---
DXC: Dixfield-marlow association, strongly sloping,very stony	Dixfield	No	---	---	---	---	---
	Marlow	No	---	---	---	---	---
DXD: Dixfield-marlow association, moderately steep, very	Dixfield	No	---	---	---	---	---
	Marlow	No	---	---	---	---	---
Fr: Fryeburg very fine sandy loam	Fryeburg	No	---	---	---	---	---
HeB: Hermon sandy loam, 3 to 8 percent slopes	Hermon	No	---	---	---	---	---
HeC: Hermon sandy loam, 8 to 15 percent slopes	Hermon	No	---	---	---	---	---
HeD: Hermon sandy loam, 15 to 25 percent slopes	Hermon	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
HmB: Hermon sandy loam, 3 to 8 percent slopes, very stony	Hermon	No	---	---	---	---	---
HmC: Hermon sandy loam, 8 to 15 percent slopes, very	Hermon	No	---	---	---	---	---
HmD: Hermon sandy loam, 15 to 35 percent slopes, very	Hermon	No	---	---	---	---	---
HsC: Hermon sandy loam, 0 to 15 percent slopes, extremely stony	Hermon	No	---	---	---	---	---
HsD: Hermon sandy loam, 15 to 35 percent slopes, extremely stony	Hermon	No	---	---	---	---	---
HTD: Hermon and monadnock soils, moderately steep, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HTE: Hermon and monadnock soils, steep, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HVC: Hermon-skerry association, strongly sloping, very stony	Hermon	No	---	---	---	---	---
	Skerry	No	---	---	---	---	---
Lo: Lovewell very fine sandy loam	Lovewell	No	---	---	---	---	---
LtB: Lyman-tunbridge complex, 3 to 8 percent slopes, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
LtC: Lyman-tunbridge complex, 8 to 15 percent slopes, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
LtD: Lyman-tunbridge complex, 15 to 35 percent slopes, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
LUD: Lyman-tunbridge-becket complex, hilly, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Becket	No	---	---	---	---	---
LUE: Lyman-tunbridge-becket complex, very hilly, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Becket	No	---	---	---	---	---
LWC: Lyman-tunbridge-monadnoc k complex, rolling, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
LWD: Lyman-tunbridge-monadnoc k complex, hilly, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
LWE: Lyman-tunbridge-monadnoc k complex, very hilly, very stony	Lyman	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
LXC: Lyman-tunbridge-skerry complex, rolling, very stony	Lyman	No	---	---	---	---	---
	Skerry	No	---	---	---	---	---
	Tunbridge	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
MaB: Marlow fine sandy loam, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
MaC: Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
MaD: Marlow fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
MeC: Marlow fine sandy loam, 3 to 15 percent slopes, very	Marlow	No	---	---	---	---	---
MeD: Marlow fine sandy loam, 15 to 35 percent slopes, very stony	Marlow	No	---	---	---	---	---
Mk: Medomak silt loam	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
ML: Medomak and wonsqueak soils, frequently flooded	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
	Wonsqueak	Yes	Swamp	1,3,4	No	Yes	Yes
MnB: Monadnock fine sandy loam, 3 to 8 percent slopes	Monadnock	No	---	---	---	---	---
MnC: Monadnock fine sandy loam, 8 to 15 percent slopes	Monadnock	No	---	---	---	---	---
MnD: Monadnock fine sandy loam, 15 to 25 percent	Monadnock	No	---	---	---	---	---
MvC: Monadnock fine sandy loam, 3 to 15 percent slopes, very stony	Monadnock	No	---	---	---	---	---
MvD: Monadnock fine sandy loam, 15 to 35 percent slopes, very stony	Monadnock	No	---	---	---	---	---
MWC: Monadnock-hermon-skerry association, strongly sloping	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
	Skerry	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
MXC: Monadnock-skerry association, strongly sloping, very stony	Monadnock	No	---	---	---	---	---
	Skerry	No	---	---	---	---	---
Nb: Naumburg loamy sand	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No
NCB: Naumburg-croghan association, gently sloping	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No
	Croghan	No	---	---	---	---	---
NvB: Nicholville very fine sandy loam, 3 to 8 percent slopes	Nicholville	No	---	---	---	---	---
Od: Ondawa fine sandy loam, occasionally flooded	Ondawa	No	---	---	---	---	---
On: Ondawa fine sandy loam, frequently flooded	Ondawa	No	---	---	---	---	---
Pg: Pits, gravel	Pits	No	---	---	---	---	---
Ps: Pits, sand	Pits	No	---	---	---	---	---
Pt: Podunk fine sandy loam, occasionally flooded	Podunk	No	---	---	---	---	---
Pw: Podunk fine sandy loam, frequently flooded	Podunk	No	---	---	---	---	---
RCE: Ricker-saddleback-rock outcrop complex, very hilly	Ricker	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Saddleback	No	---	---	---	---	---
Rm: Riverwash	Riverwash	Yes	Flood Plain	4	No	Yes	No
RNE: Rock outcrop-ricker complex, very hilly	Rock Outcrop	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
Ro: Roundabout silt loam	Roundabout	Yes	Marine Terrace	2B3	Yes	No	No
Ru: Rumney fine sandy loam, occasionally flooded	Rumney	Yes	Flood Plain	2B3	Yes	No	No
Ry: Rumney fine sandy loam, frequently flooded	Rumney	Yes	Flood Plain	2B3	Yes	No	No
RZ: Rumney-podunk association, frequently	Rumney	Yes	Flood Plain	2B3	Yes	No	No
	Podunk	No	---	---	---	---	---
SAD: Saddleback-ricker complex, moderately steep	Saddleback	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
SAE: Saddleback-ricker complex, steep	Saddleback	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
Se: Searsport muck	Searsport	Yes	Outwash Plain	2B3,3	Yes	No	Yes
SkB: Skerry fine sandy loam, 3 to 8 percent slopes	Skerry	No	---	---	---	---	---
SkC: Skerry fine sandy loam, 8 to 15 percent slopes	Skerry	No	---	---	---	---	---
SnB: Skerry fine sandy loam, 3 to 8 percent slopes, very	Skerry	No	---	---	---	---	---
SnC: Skerry fine sandy loam, 8 to 15 percent slopes, very	Skerry	No	---	---	---	---	---
SnD: Skerry fine sandy loam, 15 to 25 percent slopes, very stony	Skerry	No	---	---	---	---	---
SOC: Skerry-becket association, strongly sloping	Skerry	No	---	---	---	---	---
	Becket	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
SOD: Skerry-becket association, moderately steep	Skerry	No	---	---	---	---	---
	Becket	No	---	---	---	---	---
SRC: Skerry-becket association, strongly sloping, very stony	Skerry	No	---	---	---	---	---
	Becket	No	---	---	---	---	---
SRD: Skerry-becket association, moderately steep, very	Skerry	No	---	---	---	---	---
	Becket	No	---	---	---	---	---
SSC: Skerry-colonel association, strongly sloping	Skerry	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
STC: Skerry-colonel association, strongly sloping, very stony	Skerry	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
STD: Skerry-colonel association, moderately steep, very	Skerry	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
Su: Sunday loamy fine sand, occasionally flooded	Sunday	No	---	---	---	---	---
Sy: Sunday loamy fine sand, frequently flooded	Sunday	No	---	---	---	---	---
TyB: Tunbridge-lyman complex, 3 to 8 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TyC: Tunbridge-lyman complex, 8 to 15 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
TyD: Tunbridge-lyman complex, 15 to 35 percent slopes	Tunbridge	No	---	---	---	---	---

## Hydric Soils List - Continued

Oxford County Area, 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
TyD: Tunbridge-lyman complex, 15 to 35 percent slopes	Lyman	No	---	---	---	---	---
UaC: Urban land-adams complex, 0 to 15 percent slopes	Urban Land	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
UhC: Urban land-hermon complex, 0 to 20 percent	Urban Land	No	---	---	---	---	---
	Hermon	No	---	---	---	---	---
Va: Vassalboro mucky peat	Vassalboro	Yes	Bog	1,3	No	No	Yes
Vb: Vassalboro mucky peat, ponded	Vassalboro	Yes	Bog	1,3	No	No	Yes
VW: Vassalboro-wonsqueak association	Vassalboro	Yes	Bog	1,3	No	No	Yes
	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
W: Water	Water	Yes	Lake	---	---	---	---
Wk: Wonsqueak mucky peat	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
WS: Wonsqueak and searsport soils	Wonsqueak	Yes	Swamp	1,3	No	No	Yes
	Searsport	Yes	Outwash Plain	2B3,3	Yes	No	Yes