

Section II - Soil and Site Information

Hydric Soil Interpretations For Franklin County Area and Parts of Somerset County, Maine

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

Franklin County Area And Part Of Somerset 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 sand, 0 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-colton association, steep	Adams	No	---	---	---	---	---
	Colton	No	---	---	---	---	---
AFC: Adams-croghan association, strongly sloping	Adams	No	---	---	---	---	---
	Croghan	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	---	---	---	---	---
BeB: Berkshire fine sandy loam, 3 to 8 percent slopes	Berkshire	No	---	---	---	---	---
BeC: Berkshire fine sandy loam, 8 to 15 percent slopes	Berkshire	No	---	---	---	---	---
BkC: Berkshire fine sandy loam, 8 to 15 percent slopes, very stony	Berkshire	No	---	---	---	---	---
BkD: Berkshire fine sandy loam, 15 to 25 percent slopes, very stony	Berkshire	No	---	---	---	---	---
BoB: Boothbay silt loam, 3 to 8 percent slopes	Boothbay	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
BoC: Boothbay silt loam, 8 to 15 percent slopes	Boothbay	No	---	---	---	---	---
BpB: Brayton fine sandy loam, 0 to 8 percent slopes	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BrB: Brayton fine sandy loam, 0 to 8 percent slopes, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BrC: Brayton fine sandy loam, 8 to 15 percent slopes, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
BSB: Brayton-colonel association, gently sloping, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Colonel	No	---	---	---	---	---
BTB: Brayton-peacham-markey association, gently sloping, very stony	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
	Markey	Yes	Swamp	1,3	No	No	Yes
BW: Bucksport and markey soils	Bucksport	Yes	Swamp	1,3	No	No	Yes
	Markey	Yes	Swamp	1,3	No	No	Yes
Ca: Charles silt loam	Charles	Yes	Flood Plain	2B3	Yes	No	No
CG: Charles-medomak-cornish association	Charles	Yes	Flood Plain	2B3	Yes	No	No
	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
	Cornish	No	---	---	---	---	---
ChB: Chesuncook silt loam, 3 to 8 percent slopes	Chesuncook	No	---	---	---	---	---
ChC: Chesuncook silt loam, 8 to 15 percent slopes	Chesuncook	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
ChD: Chesuncook silt loam, 15 to 25 percent slopes	Chesuncook	No	---	---	---	---	---
CkB: Chesuncook silt loam, 3 to 8 percent slopes, very	Chesuncook	No	---	---	---	---	---
CkC: Chesuncook silt loam, 8 to 15 percent slopes, very	Chesuncook	No	---	---	---	---	---
CkD: Chesuncook silt loam, 15 to 25 percent slopes, very	Chesuncook	No	---	---	---	---	---
CLD: Chesuncook-telos association, moderately steep, very stony	Chesuncook	No	---	---	---	---	---
	Telos	No	---	---	---	---	---
CnB: Colonel fine sandy loam, 3 to 8 percent slopes	Colonel	No	---	---	---	---	---
CnC: Colonel fine sandy loam, 8 to 15 percent slopes	Colonel	No	---	---	---	---	---
CoB: Colonel fine sandy loam, 3 to 8 percent slopes, very stony	Colonel	No	---	---	---	---	---
CoC: Colonel fine sandy loam, 8 to 15 percent slopes, very stony	Colonel	No	---	---	---	---	---
CPC: Colonel-dixfield association, strongly sloping, very	Colonel	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
CsB: Colton gravelly fine sandy loam, 0 to 8 percent slopes	Colton	No	---	---	---	---	---
CsC: Colton gravelly fine sandy loam, 8 to 15 percent slopes	Colton	No	---	---	---	---	---
CsD: Colton gravelly fine sandy loam, 15 to 45 percent	Colton	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
CTC: Colton-sheepscot association, rolling	Colton	No	---	---	---	---	---
	Sheepscot	No	---	---	---	---	---
CuB: Croghan loamy sand, 0 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	---	---	---	---	---
DfD: Dixfield fine sandy loam, 15 to 25 percent slopes	Dixfield	No	---	---	---	---	---
DgB: Dixfield fine sandy loam, 3 to 8 percent slopes, very	Dixfield	No	---	---	---	---	---
DgC: Dixfield fine sandy loam, 8 to 15 percent slopes, very	Dixfield	No	---	---	---	---	---
DgD: Dixfield fine sandy loam, 15 to 25 percent slopes, very stony	Dixfield	No	---	---	---	---	---
DMC: Dixfield-marlow association, strongly sloping, very	Dixfield	No	---	---	---	---	---
	Marlow	No	---	---	---	---	---
DTC: Dixfield-colonel association, strongly sloping	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DUD: Dixfield-colonel association, moderately steep, very	Dixfield	No	---	---	---	---	---
	Colonel	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
ECC: Elliottsville-chesuncook-telos association, strongly sloping, very stony	Elliottsville	No	---	---	---	---	---
	Chesuncook	No	---	---	---	---	---
	Telos	No	---	---	---	---	---
EMC: Elliottsville-monson complex, rolling, very stony	Elliottsville	No	---	---	---	---	---
	Monson	No	---	---	---	---	---
EME: Elliottsville-monson complex, steep, very stony	Elliottsville	No	---	---	---	---	---
	Monson	No	---	---	---	---	---
EtB: Elliottsville-thorndike complex, 3 to 8 percent slopes	Elliottsville	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
EtC: Elliottsville-thorndike complex, 8 to 15 percent slopes	Elliottsville	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
EtD: Elliottsville-thorndike complex, 15 to 25 percent slopes	Elliottsville	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
Fr: Fryeburg silt loam	Fryeburg	No	---	---	---	---	---
HeC: Hermon fine sandy loam, 3 to 15 percent slopes, very stony	Hermon	No	---	---	---	---	---
HeD: Hermon fine sandy loam, 15 to 25 percent slopes, very stony	Hermon	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
HMC: Hermon-monadnock association, rolling, very stony	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
HME: Hermon-monadnock association, steep, very	Hermon	No	---	---	---	---	---
	Monadnock	No	---	---	---	---	---
Lc: Lovewell-cornish complex, occasionally flooded	Lovewell	No	---	---	---	---	---
	Cornish	No	---	---	---	---	---
Ld: Lovewell-cornish complex, frequently flooded	Lovewell	No	---	---	---	---	---
	Cornish	No	---	---	---	---	---
LmE: Lyman-rock outcrop-tunbridge complex, 15 to 45 percent slopes,	Lyman	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
LNC: Lyman-tunbridge-abram complex, rolling, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
LNE: Lyman-tunbridge-abram complex, steep, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
LyC: Lyman-tunbridge-rock outcrop complex, 3 to 15 percent slopes, very stony	Lyman	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
LyC: Lyman-tunbridge-rock outcrop complex, 3 to 15 percent slopes, very stony	Rock Outcrop	No	---	---	---	---	---
MaB: Madawaska fine sandy loam, 0 to 8 percent slopes	Madawaska	No	---	---	---	---	---
MDB: Madawaska-allagash association, gently sloping	Madawaska	No	---	---	---	---	---
	Allagash	No	---	---	---	---	---
MeB: Marlow fine sandy loam, 3 to 8 percent slopes	Marlow	No	---	---	---	---	---
MeC: Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
MeD: Marlow fine sandy loam, 15 to 25 percent slopes	Marlow	No	---	---	---	---	---
MfB: Marlow fine sandy loam, 3 to 8 percent slopes, very	Marlow	No	---	---	---	---	---
MfC: Marlow fine sandy loam, 8 to 15 percent slopes, very	Marlow	No	---	---	---	---	---
MfD: Marlow fine sandy loam, 15 to 25 percent slopes, very stony	Marlow	No	---	---	---	---	---
MGD: Marlow-dixfield association, moderately steep, very	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MhB: Masardis fine sandy loam, 0 to 8 percent slopes	Masardis	No	---	---	---	---	---
MhC: Masardis fine sandy loam, 8 to 15 percent slopes	Masardis	No	---	---	---	---	---
MhD: Masardis fine sandy loam, 15 to 45 percent slopes	Masardis	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
MKE: Masardis-adams association, steep	Masardis	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
MLC: Masardis-sheepscot association, strongly sloping	Masardis	No	---	---	---	---	---
	Sheepscot	No	---	---	---	---	---
Mm: Medomak silt loam	Medomak	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
MNC: Monadnock-berkshire complex, rolling, very stony	Monadnock	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MNE: Monadnock-berkshire complex, steep, very stony	Monadnock	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MrB: Monarda silt loam, 0 to 8 percent slopes	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
MsB: Monarda extremely flaggy silt loam, 0 to 8 percent slopes, very stony	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
MTB: Monarda-burnham-bucksport association, gently sloping, very stony	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
	Burnham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
	Bucksport	Yes	Swamp	1,3	No	No	Yes
MUB: Monarda-telos association, gently sloping, very stony	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
	Telos	No	---	---	---	---	---
MVC: Monson-elliottsville-telos complex, rolling, very stony	Monson	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MVC: Monson-elliottsville-telos complex, rolling, very stony	Telos	No	---	---	---	---	---
Nb: Naumburg loamy sand	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No
NS: Naumburg-searsport association	Naumburg	Yes	Outwash Plain	2B3	Yes	No	No
	Searsport	Yes	Outwash Plain	2B3,3	Yes	No	Yes
NvB: Nicholville silt loam, 3 to 8 percent slopes	Nicholville	No	---	---	---	---	---
NvC: Nicholville silt loam, 8 to 15 percent slopes	Nicholville	No	---	---	---	---	---
PeB: Peacham-brayton complex, 0 to 8 percent slopes, very stony	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
Pr: Pits, quarry	Pits	No	---	---	---	---	---
Ps: Pits, sand and gravel	Pits	No	---	---	---	---	---
RRE: Ricker-rock outcrop complex, very steep	Ricker	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
RSE: Ricker-saddleback association, very steep	Ricker	No	---	---	---	---	---
	Saddleback	No	---	---	---	---	---
RYE: Rock outcrop-abram-lyman complex, very steep, very stony	Rock Outcrop	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
SAE: Saddleback-mahoosuc-sisk association, very steep, very stony	Saddleback	No	---	---	---	---	---
	Mahoosuc	No	---	---	---	---	---
	Sisk	No	---	---	---	---	---
SKD: Sisk-surplus association, moderately steep, very	Sisk	No	---	---	---	---	---
	Surplus	No	---	---	---	---	---
Sn: Sunday loamy fine sand	Sunday	No	---	---	---	---	---
SRC: Surplus-bemis association, strongly sloping, very stony	Surplus	No	---	---	---	---	---
	Bemis	Yes	Ground Moraine	2B3	Yes	No	No
SSC: Surplus-saddleback-ricker association, strongly sloping, very stony	Surplus	No	---	---	---	---	---
	Saddleback	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
SVC: Surplus-sisk association, strongly sloping, very stony	Surplus	No	---	---	---	---	---
	Sisk	No	---	---	---	---	---
Sw: Swanville silt loam	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
SYB: Swanville-boothbay association, gently sloping	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
	Boothbay	No	---	---	---	---	---
TeB: Telos silt loam, 3 to 8 percent slopes	Telos	No	---	---	---	---	---
TeC: Telos silt loam, 8 to 15 percent slopes	Telos	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
TfB: Telos silt loam, 3 to 8 percent slopes, very stony	Telos	No	---	---	---	---	---
TfC: Telos silt loam, 8 to 15 percent slopes, very stony	Telos	No	---	---	---	---	---
THC: Telos-chesuncook association, strongly sloping, very stony	Telos	No	---	---	---	---	---
	Chesuncook	No	---	---	---	---	---
TLB: Telos-monarda association, gently sloping, rubbly	Telos	No	---	---	---	---	---
	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
TMB: Telos-monarda-monson association, undulating, very stony	Telos	No	---	---	---	---	---
	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
	Monson	No	---	---	---	---	---
TOC: Thorndike-elliottsville complex, rolling, very stony	Thorndike	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
TOE: Thorndike-elliottsville complex, steep, very stony	Thorndike	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
TRC: Tunbridge-berkshire-dixfield association, rolling, very stony	Tunbridge	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
TuB: Tunbridge-lyman complex, 3 to 8 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
TuC: Tunbridge-lyman complex, 8 to 15 percent slopes	Tunbridge	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
Ud: Udorthents-urban land complex	Udorthents	No	---	---	---	---	---
	Urban Land	No	---	---	---	---	---
W: Water	Water	Yes	Lake	---	---	---	---