

Hydric Soils

Franklin County, Massachusetts

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
AfA:					
Agawam fine sandy loam, 0 to 3 percent slopes	SCARBORO	2	Terraces	Yes	2B2, 3
	WALPOLE	2	Terraces	Yes	2B3
AfB:					
Agawam fine sandy loam, 3 to 8 percent slopes	SCARBORO	2	Terraces	Yes	2B2, 3
	WALPOLE	2	Terraces	Yes	2B3
AgA:					
Agawam fine sandy loam, silty substratum, 0 to 3 percent slopes	WALPOLE	5	Terraces	Yes	2B3
AgB:					
Agawam fine sandy loam, silty substratum, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2B3
BaA:					
Belgrade silt loam, 0 to 3 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
BaB:					
Belgrade silt loam, 3 to 8 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
BbB:					
Berkshire fine sandy loam, 3 to 8 percent slopes	PEACHAM	2	Depressions	Yes	2B3, 3
	PILLSBURY	2	Depressions	Yes	2B3
BcB:					
Berkshire very stony fine sandy loam, 3 to 8 percent slopes	PEACHAM	2	Depressions	Yes	2B3, 3
	PILLSBURY	2	Depressions	Yes	2B3
BdB:					
Berkshire extremely stony fine sandy loam, 3 to 8 percent slopes	PEACHAM	2	Depressions	Yes	2B3, 3
	PILLSBURY	2	Depressions	Yes	2B3
BeB:					
Berkshire fine sandy loam, dark subsoil, 3 to 8 percent slopes	PILLSBURY	10	Depressions	Yes	2B3
BfB:					
Berkshire very stony fine sandy loam, dark subsoil, 3 to 8 percent slopes	PILLSBURY	5	Depressions	Yes	2B3

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BgB: Berkshire extremely stony fine sandy loam, dark subsoil, 3 to 8 percent slopes	PILLSBURY	5	Depressions	Yes	2B3
BhB: Bernardston channery silt loam, 3 to 8 percent slopes	STISSING	10	Depressions	Yes	2B3
BhC: Bernardston channery silt loam, 8 to 15 percent slopes	STISSING	5	Depressions	Yes	2B3
BmB: Bernardston very stony silt loam, 3 to 8 percent slopes	STISSING	10	Depressions	Yes	2B3
Bn: Biddeford silt loam	Biddeford	85	Lakebeds (relict)	Yes	2B3, 3
	SCANTIC	5	Depressions	Yes	2B3
BsB: Broadbrook very fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
BsC: Broadbrook very fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
BitC: Broadbrook very stony very fine sandy loam, 3 to 15 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
BuA: Buckland fine sandy loam, 0 to 3 percent slopes	CABOT	5	Depressions	Yes	2B3
BuB: Buckland fine sandy loam, 3 to 8 percent slopes	CABOT	5	Depressions	Yes	2B3
BuC: Buckland fine sandy loam, 8 to 15 percent slopes	CABOT	3	Depressions	Yes	2B3
BvB: Buckland very stony fine sandy loam, 3 to 6 percent slopes	CABOT	5	Depressions	Yes	2B3
BvC: Buckland very stony fine sandy loam, 8 to 15 percent slopes	CABOT	3	Depressions	Yes	2B3
BwB: Buckland extremely stony fine sandy loam, 3 to 8 percent slopes	CABOT	5	Depressions	Yes	2B3

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BwC: Buckland extremely stony fine sandy loam, 8 to 25 percent slopes	CABOT	3	Depressions	Yes	2B3
BxA: Buxton silt loam, 0 to 3 percent slopes	SCANTIC	5	Depressions	Yes	2B3
BxB: Buxton silt loam, 3 to 10 percent slopes	SCANTIC	5	Depressions	Yes	2B3
CaA: Cabot fine sandy loam, 0 to 3 percent slopes	Cabot	75	Depressions	Yes	2B3
CaB: Cabot fine sandy loam, 3 to 8 percent slopes	Cabot	75	Depressions	Yes	2B3
CbB: Cabot extremely stony fine sandy loam, 0 to 10 percent slopes	Cabot	75	Depressions	Yes	2B3
CcA: Cabot loam, black surface, 0 to 3 percent slopes	Cabot	75	Depressions	Yes	2B3
CdA: Cabot very stony loam, black surface, 0 to 3 percent slopes	Cabot	75	Depressions	Yes	2B3
CdB: Cabot very stony loam, black surface, 3 to 8 percent slopes	Cabot	75	Depressions	Yes	2B3
CkB: Charlton fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
CkC: Charlton fine sandy loam, 8 to 20 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
CmC: Charlton very stony fine sandy loam, 3 to 15 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
CnB: Charlton extremely stony fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
CsB: Colrain fine sandy loam, 3 to 8 percent slopes	CABOT	2	Depressions	Yes	2B3
CvB: Colrain very stony fine sandy loam, 3 to 8 percent slopes	CABOT	2	Depressions	Yes	2B3

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CxB: Colrain extremely stony fine sandy loam, 3 to 8 percent slopes	CABOT	2	Depressions	Yes	2B3
DfA: Deerfield loamy fine sand, 0 to 3 percent slopes	WAREHAM	2	Terraces	Yes	2B2
	SCARBORO	1	Terraces	Yes	2B2, 3
DuB: Dutchess silt loam, 3 to 8 percent slopes	STISSING	2	Depressions	Yes	2B3
DuC: Dutchess silt loam, 8 to 15 percent slopes	STISSING	1	Depressions	Yes	2B3
DvC: Dutchess very stony silt loam, 3 to 15 percent slopes	STISSING	1	Depressions	Yes	2B3
EfB: Essex fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
EfC: Essex fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
EvB: Essex very stony fine sandy loam, 3 to 8 percent slopes	ESSEX SOILS WITH SLOPES 8 TO 15 PERCENT	3	Depressions	Yes	2B3
ExB: Essex extremely stony fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
GfA: Gloucester fine sandy loam, 0 to 3 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
GfB: Gloucester fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
GmB: Gloucester sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
GvB: Gloucester very stony sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
GxB: Gloucester extremely stony sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3

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HaA:					
Hadley silt loam, 0 to 3 percent slopes	LIMERICK	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
HaB:					
Hadley silt loam, 3 to 8 percent slopes	LIMERICK	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
HbA:					
Hadley very fine sandy loam, 0 to 3 percent slopes	LIMERICK	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
HbB:					
Hadley very fine sandy loam, 3 to 8 percent slopes	LIMERICK	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
HcA:					
Hadley very fine sandy loam, overflow, 0 to 3 percent slopes	LIMERICK	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
HdA:					
Hartland silt loam, 0 to 3 percent slopes	RAYNHAM	2	Depressions	Yes	2B3
HdB:					
Hartland silt loam, 3 to 8 percent slopes	RAYNHAM	2	Depressions	Yes	2B3
HdC:					
Hartland silt loam, 8 to 15 percent slopes	RAYNHAM	1	Depressions	Yes	2B3
HgA:					
Hinckley gravelly very fine sandy loam, 0 to 3 percent slopes	WAREHAM	2	Terraces	Yes	2B2
HgB:					
Hinckley gravelly very fine sandy loam, 3 to 8 percent slopes	WAREHAM	2	Terraces	Yes	2B2
HkA:					
Hinckley sandy loam, 0 to 3 percent slopes	WAREHAM	2	Terraces	Yes	2B2

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HkB: Hinckley sandy loam, 3 to 8 percent slopes	WAREHAM	2	Terraces	Yes	2B2
HmB: Hollis fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
Lk: Limerick silt loam	Limerick	85	Alluvial flats	Yes	2B3
	SACO	3	Alluvial flats	Yes	2B3
Ls: Limerick-Saco silt loams	Limerick	50	Alluvial flats	Yes	2B3
	Saco	35	Alluvial flats	Yes	2B3
LvC: Lyman very rocky loam, 3 to 15 percent slopes	PEACHAM	2	Depressions	Yes	2B3, 3
MaB: Marlow loam, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
McB: Marlow extremely stony loam, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
MeB: Marlow very stony loam, dark subsoil, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
MfB: Marlow extremely stony loam, dark subsoil, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
MgA: Merrimac fine sandy loam, 0 to 3 percent slopes	WALPOLE	2	Terraces	Yes	2B3
MgB: Merrimac fine sandy loam, 3 to 8 percent slopes	WALPOLE	2	Terraces	Yes	2B3
MmA: Merrimac sandy loam, 0 to 3 percent slopes	WALPOLE	2	Terraces	Yes	2B3
MmB: Merrimac sandy loam, 3 to 8 percent slopes	WALPOLE	2	Terraces	Yes	2B3

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Ms:					
Muck shallow	Muck shallow	85	Bogs	Yes	1
	FREETOWN	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
Mu:					
Muck	Muck	85	Bogs	Yes	1
	SWANSEA	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
NfA:					
Ninigret fine sandy loam, 0 to 3 percent slopes	WALPOLE	2	Terraces	Yes	2B3
NfB:					
Ninigret fine sandy loam, 3 to 10 percent slopes	WALPOLE	2	Terraces	Yes	2B3
NgA:					
Ninigret fine sandy loam, silty substratum, 0 to 3 percent slopes	WALPOLE	2	Terraces	Yes	2B3
NgB:					
Ninigret fine sandy loam, silty substratum, 3 to 8 percent slopes	WALPOLE	2	Terraces	Yes	2B3
Of:					
Ondawa fine sandy loam	RUMNEY	5	Alluvial flats	Yes	2B3
Pa:					
Peat	Peat	85	Bogs	Yes	1
	FREETOWN, PONDED	10	Bogs	Yes	1, 3
	SWANSEA	5	Bogs	Yes	1
PbA:					
Peru loam, 0 to 3 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
PbB:					
Peru loam, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3
PcB:					
Peru very stony loam, 3 to 8 percent slopes	PILLSBURY	2	Depressions	Yes	2B3

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PeB: Peru extremely stony loam, 0 to 8 percent slopes	PILLSBURY	3	Depressions	Yes	2B3
PnB: Pittstown silt loam, 3 to 8 percent slopes	STISSING	2	Depressions	Yes	2B3
Po: Podunk fine sandy loam	RUMNEY	3	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3
RaA: Raynham silt loam, 0 to 3 percent slopes	Raynham	85	Depressions	Yes	2B3
RdA: Ridgebury fine sandy loam, 0 to 3 percent slopes	Ridgebury	85	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
RdB: Ridgebury fine sandy loam, 3 to 8 percent slopes	Ridgebury	85	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
RgB: Ridgebury very stony and extremely stony fine sandy loams, 0 to 10 percent slopes	Ridgebury	85	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
Ru: Rumney fine sandy loam	Rumney	85	Alluvial flats	Yes	2B3
	SACO	10	Alluvial flats	Yes	2B3
Sa: Saco silt loam	Saco	85	Alluvial flats	Yes	2B3
	LIMERICK	10	Alluvial flats	Yes	2B3
	RUMNEY	5	Alluvial flats	Yes	2B3
Sb: Saugatuck loamy sand	SCARBORO	5	Terraces	Yes	2B2, 3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
ScA:					
Scantic silt loam, 0 to 3 percent slopes	Scantic	85	Depressions	Yes	2B3
	BIDDEFORD	10	Depressions	Yes	2B3, 3
ScB:					
Scantic silt loam, 3 to 8 percent slopes	Scantic	85	Depressions	Yes	2B3
	BIDDEFORD	10	Depressions	Yes	2B3, 3
Sd:					
Scarboro fine sandy loam, brownish subsoil variant	Scarboro Variant	85	Terraces	Yes	2B2, 3
	WALPOLE	5	Terraces	Yes	2B3
	WAREHAM	5	Terraces	Yes	2B2
SeA:					
Scituate fine sandy loam, 0 to 3 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SeB:					
Scituate fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
SfA:					
Scituate very stony fine sandy loam, 0 to 3 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SfB:					
Scituate very stony fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
SgB:					
Scituate extremely stony fine sandy loam, 0 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SgC:					
Scituate extremely stony fine sandy loam, 8 to 25 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
ShB:					
Shapleigh fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
SmC:					
Shapleigh extremely rocky fine sandy loam, 3 to 25 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
SnB:					
Shelburne loam, 3 to 8 percent slopes	CABOT	3	Depressions	Yes	2B3

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SoB: Shelburne very stony loam, 3 to 8 percent slopes	CABOT	3	Depressions	Yes	2B3
SpB: Shelburne extremely stony loam, 3 to 8 percent slopes	CABOT	2	Depressions	Yes	2B3
SpD: Shelburne extremely stony loam, 8 to 25 percent slopes	CABOT	2	Depressions	Yes	2B3
SrB: Stissing silt loam, 0 to 8 percent slopes	Stissing	85	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
SsB: Stissing very stony silt loam, 3 to 8 percent slopes	Stissing	85	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
StA: Sudbury fine sandy loam, 0 to 3 percent slopes	WALPOLE	3	Terraces	Yes	2B3
	WAREHAM	2	Terraces	Yes	2B2
StB: Sudbury fine sandy loam, 3 to 8 percent slopes	WALPOLE	3	Terraces	Yes	2B3
	WAREHAM	2	Terraces	Yes	2B2
SuB: Suffield silt loam, 3 to 8 percent slopes	SCANTIC	3	Depressions	Yes	2B3
	BIDDEFORD	2	Depressions	Yes	2B3, 3
SuC2: Suffield silt loam, 8 to 15 percent slopes, eroded	SCANTIC	2	Depressions	Yes	2B3
Sv: Suncook loamy sand	SACO	5	Alluvial flats	Yes	2B3
SwB: Sutton fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	3	Depressions	Yes	2B3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
SwC:					
Sutton fine sandy loam, 8 to 20 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SxB:					
Sutton very stony fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SyB:					
Sutton extremely stony fine sandy loam, 0 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SyC:					
Sutton extremely stony fine sandy loam, 8 to 25 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
SzA:					
Swanton very fine sandy loam, 0 to 3 percent slopes	Swanton	85	Depressions	Yes	2B3
SzB:					
Swanton very fine sandy loam, 3 to 8 percent slopes	Swanton	85	Depressions	Yes	2B3
WaA:					
Walpole and Wareham fine sandy loams, 0 to 3 percent slopes	Walpole	45	Terraces	Yes	2B3
	Wareham	40	Terraces	Yes	2B2
	SCARBORO	5	Terraces	Yes	2B2, 3
WaB:					
Walpole and Wareham fine sandy loams, 3 to 8 percent slopes	Walpole	45	Terraces	Yes	2B3
	Wareham	40	Terraces	Yes	2B2
	SCARBORO	5	Terraces	Yes	2B2, 3
WfA:					
Warwick gravelly fine sandy loam, 0 to 3 percent slopes	WALPOLE	5	Terraces	Yes	2B3
WfB:					
Warwick gravelly fine sandy loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2B3
WgA:					
Warwick gravelly loam, 0 to 3 percent slopes	WALPOLE	5	Terraces	Yes	2B3
WgB:					
Warwick gravelly loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2B3

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WgC:					
Warwick gravelly loam, 8 to 15 percent slopes	WALPOLE	2	Terraces	Yes	2B3
WmB:					
Westminster loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
WsA:					
Whitman fine sandy loam, 0 to 3 percent slopes	Whitman	85	Depressions	Yes	2B3, 3
	RIDGEBURY	10	Depressions	Yes	2B3
WtA:					
Whitman extremely stony fine sandy loam, 0 to 3 percent slopes	Whitman	85	Depressions	Yes	2B3, 3
	RIDGEBURY	10	Depressions	Yes	2B3
WuA:					
Windsor loamy fine sand, 0 to 3 percent slopes	WAREHAM	3	Terraces	Yes	2B2
	WALPOLE	2	Terraces	Yes	2B3
WuB:					
Windsor loamy fine sand, 3 to 8 percent slopes	WAREHAM	3	Terraces	Yes	2B2
	WALPOLE	2	Terraces	Yes	2B3
Ww:					
Winooski very fine sandy loam	LIMERICK	10	Alluvial flats	Yes	2B3
	SACO	2	Alluvial flats	Yes	2B3

Explanation of hydric criteria codes:

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

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4. Soils that are frequently flooded for long or very long duration during the growing season.