

## Hydric Soils

Essex County, Massachusetts, Northern Part

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>6A:</b>					
Scarboro mucky fine sandy loam, 0 to 1 percent slopes	Scarboro	85	Depressions, Terraces	Yes	2B2, 3
	FREETOWN	5	Bogs	Yes	1
	WAREHAM	5	Terraces	Yes	2B2
<b>9A:</b>					
Birdsall silt loam, 0 to 3 percent slopes	Birdsall	85	Depressions	Yes	2B3, 3
	FREETOWN	5	Bogs	Yes	1
	MAYBID	5	Depressions	Yes	2B3, 3
	RAYNHAM	5	Depressions	Yes	2B3
<b>12A:</b>					
Maybid silt loam, 0 to 3 percent slopes	Maybid	85	Depressions, Depressions	Yes	2B3, 3
	SCANTIC	12	Depressions	Yes	2B3
	SWANSEA	3	Bogs	Yes	1
<b>16A:</b>					
Scantic silt loam, 0 to 3 percent slopes	Scantic	85	Depressions, Drainageways	Yes	2B3
	MAYBID	10	Depressions	Yes	2B3, 3
<b>16B:</b>					
Scantic silt loam, 3 to 8 percent slopes	Scantic	85	Depressions, Drainageways	Yes	2B3
	MAYBID	10	Depressions	Yes	2B3, 3
<b>21A:</b>					
Walpole variant fine sandy loam, 0 to 3 percent slopes	Walpole variant	85	Depressions, Terraces	Yes	2B3
	SCARBORO	10	Terraces	Yes	2B2, 3
<b>30A:</b>					
Raynham silt loam, 0 to 3 percent slopes	Raynham	75	Depressions	Yes	2B3
	BIRDSALL	5	Depressions	Yes	2B3, 3
	WALPOLE VARIANT	5	Terraces	Yes	2B3

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<b>31A:</b>					
Walpole fine sandy loam, 0 to 3 percent slopes	Walpole	85	Depressions, Terraces	Yes	2B3
	SCARBORO	10	Terraces	Yes	2B2, 3
<b>31B:</b>					
Walpole fine sandy loam, 3 to 8 percent slopes	Walpole	85	Depressions, Terraces	Yes	2B3
	SCARBORO	10	Terraces	Yes	2B2, 3
<b>32A:</b>					
Wareham loamy sand, 0 to 3 percent slopes	Wareham	85	Terraces	Yes	2B2
	SCARBORO	15	Terraces	Yes	2B2, 3
<b>32B:</b>					
Wareham loamy sand, 3 to 8 percent slopes	Wareham	85	Terraces	Yes	2B2
	SCARBORO	15	Terraces	Yes	2B2, 3
<b>38A:</b>					
Pipestone loamy sand, 0 to 3 percent slopes	Pipestone	80	Terraces	Yes	2B2
	WAREHAM	10	Terraces	Yes	2B2
	SCARBORO	7	Terraces	Yes	2B2, 3
<b>40A:</b>					
Swanton fine sandy loam, 0 to 3 percent slopes	Swanton	85	Depressions, Depressions, Depressions	Yes	2B3
	WHATELY VARIANT	10	Depressions	Yes	2B3
<b>40B:</b>					
Swanton fine sandy loam, 3 to 8 percent slopes	Swanton	85	Depressions, Depressions, Depressions	Yes	2B3
	WHATELY VARIANT	10	Depressions	Yes	2B3

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<b>51A:</b>					
Swansea muck, 0 to 1 percent slopes	Medisaprists, shallow	80	Bogs, Drainageways	Yes	1
	FREETOWN	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
	SCARBORO	3	Terraces	Yes	2B2, 3
	BIRDSALL	2	Depressions	Yes	2B3, 3
<b>52A:</b>					
Freetown muck, 0 to 1 percent slopes	Medisaprists, deep	80	Bogs, Drainageways	Yes	1
	SWANSEA	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
	SCARBORO	3	Terraces	Yes	2B2, 3
	BIRDSALL	2	Depressions	Yes	2B3, 3
<b>67A:</b>					
Leicester fine sandy loam, 0 to 3 percent slopes	Leicester	85	Depressions, Drainageways	Yes	2B3
	WHITMAN	8	Depressions	Yes	2B3, 3
<b>67B:</b>					
Leicester fine sandy loam, 3 to 8 percent slopes	Leicester	85	Depressions, Drainageways	Yes	2B3
	WHITMAN	7	Depressions	Yes	2B3, 3
<b>70A:</b>					
Ridgebury fine sandy loam, 0 to 3 percent slopes	Ridgebury	85	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
<b>70B:</b>					
Ridgebury fine sandy loam, 3 to 8 percent slopes	Ridgebury	85	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3

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<b>72A:</b>					
Whitman loam, 0 to 3 percent slopes	Whitman	85	Depressions	Yes	2B3, 3
	RIDGEBURY	10	Depressions	Yes	2B3
	LEICESTER	5	Depressions	Yes	2B3
<b>73A:</b>					
Whitman loam, 0 to 3 percent slopes, extremely stony	Whitman	85	Depressions	Yes	2B3, 3
	RIDGEBURY	10	Depressions	Yes	2B3
	LEICESTER	5	Depressions	Yes	2B3
<b>96A:</b>					
Hadley very fine sandy loam, 0 to 3 percent slopes	LIMERICK	5	Alluvial flats	Yes	2B3
	RUMNEY	5	Alluvial flats	Yes	2B3
	SACO VARIANT	5	Alluvial flats	Yes	2B3
<b>98A:</b>					
Winooski very fine sandy loam, 0 to 3 percent slopes	LIMERICK	10	Alluvial flats	Yes	2B3
	RUMNEY	10	Alluvial flats	Yes	2B3
	SACO VARIANT	10	Alluvial flats	Yes	2B3
<b>225A:</b>					
Belgrade very fine sandy loam, 0 to 3 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
<b>225B:</b>					
Belgrade very fine sandy loam, 3 to 8 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
<b>225C:</b>					
Belgrade very fine sandy loam, 8 to 15 percent slopes	RAYNHAM	5	Depressions	Yes	2B3
<b>228A:</b>					
Buxton silt loam, 0 to 3 percent slopes	SCANTIC	5	Depressions	Yes	2B3
<b>228B:</b>					
Buxton silt loam, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2B3

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228C: Buxton silt loam, 8 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2B3
230A: Unadilla very fine sandy loam, 0 to 3 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
230B: Unadilla very fine sandy loam, 3 to 8 percent slopes	RAYNHAM	10	Depressions	Yes	2B3
240A: Elmwood fine sandy loam, 0 to 3 percent slopes	SWANTON	5	Depressions	Yes	2B3
240B: Elmwood fine sandy loam, 3 to 8 percent slopes	SWANTON	5	Depressions	Yes	2B3
253A: Hinckley loamy sand, 0 to 3 percent slopes	WAREHAM	2	Terraces	Yes	2B2
	SWANSEA	1	Bogs	Yes	1
253B: Hinckley loamy sand, 3 to 8 percent slopes	WAREHAM	2	Terraces	Yes	2B2
	SWANSEA	1	Bogs	Yes	1
253C: Hinckley loamy sand, 8 to 15 percent slopes	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2B2
254A: Merrimac fine sandy loam, 0 to 3 percent slopes	WALPOLE	3	Terraces	Yes	2B3
254B: Merrimac fine sandy loam, 3 to 8 percent slopes	WALPOLE	3	Terraces	Yes	2B3
254C: Merrimac fine sandy loam, 8 to 15 percent slopes	WALPOLE	2	Terraces	Yes	2B3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>255A:</b>					
Windsor loamy sand, 0 to 3 percent slopes	SCARBORO	2	Terraces	Yes	2B2, 3
	WAREHAM	2	Terraces	Yes	2B2
	PIPESTONE	1	Terraces	Yes	2B2
<b>255B:</b>					
Windsor loamy sand, 3 to 8 percent slopes	WAREHAM	2	Terraces	Yes	2B2
	PIPESTONE	1	Terraces	Yes	2B2
<b>255C:</b>					
Windsor loamy sand, 8 to 15 percent slopes	PIPESTONE	1	Terraces	Yes	2B2
	SCARBORO	1	Terraces	Yes	2B2, 3
	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2B2
<b>256A:</b>					
Deerfield loamy fine sand, 0 to 3 percent slopes	WAREHAM	5	Depressions	Yes	2B2
<b>258A:</b>					
Amostown fine sandy loam, 0 to 3 percent slopes	WALPOLE VARIANT	5	Terraces	Yes	2B3
<b>258B:</b>					
Amostown fine sandy loam, 3 to 8 percent slopes	WALPOLE VARIANT	10	Terraces	Yes	2B3
<b>259A:</b>					
Carver loamy coarse sand, 0 to 3 percent slopes	WAREHAM	5	Terraces	Yes	2B2
<b>259B:</b>					
Carver loamy coarse sand, 3 to 8 percent slopes	WAREHAM	5	Terraces	Yes	2B2
<b>260A:</b>					
Sudbury fine sandy loam, 0 to 3 percent slopes	WALPOLE	5	Terraces	Yes	2B3
<b>260B:</b>					
Sudbury fine sandy loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2B3
<b>275A:</b>					
Agawam fine sandy loam, 0 to 3 percent slopes	WALPOLE	10	Terraces	Yes	2B3

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275B: Agawam fine sandy loam, 3 to 8 percent slopes	WALPOLE	5	Terraces	Yes	2B3
300B: Montauk fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
300C: Montauk fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	3	Depressions	Yes	2B3
301B: Montauk fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2B3
301C: Montauk fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2B3
302C: Montauk fine sandy loam, 5 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2B3
305B: Paxton fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
305C: Paxton fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	3	Depressions	Yes	2B3
306B: Paxton fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2B3
306C: Paxton fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2B3
307C: Paxton fine sandy loam, 8 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2B3
310A: Woodbridge fine sandy loam, 0 to 3 percent slopes	RIDGEBURY	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
310B: Woodbridge fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	15	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3

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310C: Woodbridge fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
311B: Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	RIDGEBURY	15	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
311C: Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2B3
311D: Woodbridge fine sandy loam, 15 to 25 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2B3
312B: Woodbridge fine sandy loam, 3 to 8 percent slopes, extremely stony	RIDGEBURY	15	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
312C: Woodbridge fine sandy loam, 8 to 15 percent slopes, extremely stony	RIDGEBURY	5	Depressions	Yes	2B3
315B: Scituate fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	15	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
315C: Scituate fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	5	Depressions	Yes	2B3
316B: Scituate fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	20	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
316C: Scituate fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	2	Depressions	Yes	2B3
410A: Sutton fine sandy loam, 0 to 3 percent slopes	LEICESTER	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3

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410B: Sutton fine sandy loam, 3 to 8 percent slopes	LEICESTER	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
410C: Sutton fine sandy loam, 8 to 15 percent slopes	LEICESTER	15	Depressions	Yes	2B3
411B: Sutton fine sandy loam, 3 to 8 percent slopes, very stony	LEICESTER	10	Depressions	Yes	2B3
	WHITMAN	10	Depressions	Yes	2B3, 3
411C: Sutton fine sandy loam, 8 to 15 percent slopes, very stony	LEICESTER	15	Depressions	Yes	2B3
420A: Canton fine sandy loam, 0 to 3 percent slopes	SWANSEA	5	Bogs	Yes	1
420B: Canton fine sandy loam, 3 to 8 percent slopes	SWANSEA	5	Bogs	Yes	1
420C: Canton fine sandy loam, 8 to 15 percent slopes	SWANSEA	3	Bogs	Yes	1
420D: Canton fine sandy loam, 15 to 25 percent slopes	SWANSEA	3	Bogs	Yes	1
421B: Canton fine sandy loam, 3 to 8 percent slopes, very stony	SWANSEA	5	Bogs	Yes	1
421C: Canton fine sandy loam, 8 to 15 percent slopes, very stony	SWANSEA	5	Bogs	Yes	1
422B: Canton fine sandy loam, 3 to 8 percent slopes, extremely stony	SWANSEA	5	Bogs	Yes	1
607: Water, saline	Westbrook	5	Marshes	Yes	1, 3

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<b>652:</b>					
Udorthents, refuse substratum	LEICESTER	1	Depressions	Yes	2B3
	RAYNHAM	1	Depressions	Yes	2B3
	RIDGEBURY	1	Depressions	Yes	2B3
	SCARBORO	1	Terraces	Yes	2B2, 3
	WALPOLE	1	Terraces	Yes	2B3
	WHITMAN	1	Depressions	Yes	2B3, 3
<b>702C:</b>					
Udipsamments, 3 to 15 percent slopes	IPSWICH	5	Salt marshes	Yes	1, 3
	SCARBORO	5	Terraces	Yes	2B2, 3
	WESTBROOK	5	Tidal flats	Yes	1, 3
<b>709B:</b>					
Buxton-Rock outcrop complex, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2B3
<b>709C:</b>					
Buxton-Rock outcrop complex, 8 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2B3
<b>711B:</b>					
Charlton-Rock outcrop-Hollis complex, 3 to 8 percent slopes	RIDGEBURY	4	Depressions	Yes	2B3
<b>711C:</b>					
Charlton-Rock outcrop-Hollis complex, 8 to 15 percent slopes	RIDGEBURY	4	Depressions	Yes	2B3
<b>711D:</b>					
Charlton-Rock outcrop-Hollis complex, 15 to 25 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
<b>712A:</b>					
Ipswich and Westbrook mucks, 0 to 1 percent slopes	Ipswich	50	Marshes, Marshes	Yes	1, 3
	Westbrook	30	Marshes, Marshes	Yes	1, 3
	PAWCATUCK	20	Marshes	Yes	1, 3

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<b>713A:</b>					
Limerick and Rumney soils, 0 to 3 percent slopes	Limerick	60	Alluvial flats	Yes	2B3
	Rumney	25	Alluvial flats	Yes	2B3
	SACO VARIANT	5	Alluvial flats	Yes	2B3
<b>714B:</b>					
Melrose fine sandy loam, 3 to 8 percent slopes	SWANTON	5	Depressions	Yes	2B3
<b>715A:</b>					
Ridgebury and Leicester fine sandy loams, 0 to 3 percent slopes, extremely stony	Ridgebury	50	Depressions, Drainageways	Yes	2B3
	Leicester	35	Depressions, Drainageways	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>715B:</b>					
Ridgebury and Leicester fine sandy loams, 3 to 8 percent slopes, extremely stony	Ridgebury	50	Depressions, Drainageways	Yes	2B3
	Leicester	35	Depressions, Drainageways	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>716C:</b>					
Rock outcrop-Buxton complex, 3 to 15 percent slopes	SCANTIC	5	Depressions	Yes	2B3
<b>716D:</b>					
Rock outcrop-Buxton complex, 15 to 25 percent slopes	SCANTIC	5	Depressions	Yes	2B3
<b>717C:</b>					
Rock outcrop-Charlton-Hollis complex, 3 to 15 percent slopes	LEICESTER	5	Depressions	Yes	2B3
<b>717E:</b>					
Rock outcrop-Charlton-Hollis complex, 15 to 35 percent slopes	LEICESTER	5	Depressions	Yes	2B3
<b>718A:</b>					
Saco variant silt loam, 0 to 3 percent slopes	Saco variant	85	Alluvial flats	Yes	2B3
	LIMERICK	5	Alluvial flats	Yes	2B3
	RUMNEY	5	Alluvial flats	Yes	2B3
	SWANSEA	5	Bogs	Yes	1

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719B: Suffield silt loam, 3 to 8 percent slopes	SCANTIC	5	Depressions	Yes	2B3
720A: Whately variant fine sandy loam, 0 to 3 percent slopes	Whately variant	80	Depressions	Yes	2B3
	SWANSEA	10	Bogs	Yes	1
	SWANTON	10	Depressions	Yes	2B3
721C: Windsor-Rock outcrop complex, 3 to 15 percent slopes	PIPESTONE	5	Terraces	Yes	2B2
	SCARBORO	5	Terraces	Yes	2B2, 3
	WAREHAM	5	Terraces	Yes	2B2
721D: Windsor-Rock outcrop complex, 15 to 25 percent slopes	WAREHAM	8	Terraces	Yes	2B2
	SCARBORO	7	Terraces	Yes	2B2, 3

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