

## Hydric Soils

Essex County, Massachusetts, Southern Part

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>12A:</b>					
Maybid silt loam, 0 to 3 percent slopes	Maybid	85	Depressions, Depressions	Yes	2B3, 3
	SCITICO	10	Depressions	Yes	2B3
	SWANSEA	5	Bogs	Yes	1
<b>14B:</b>					
Scitico silt loam, 0 to 5 percent slopes	Scitico	85	Depressions, Drainageways	Yes	2B3
	MAYBID	8	Depressions	Yes	2B3, 3
<b>31A:</b>					
Walpole fine sandy loam, 0 to 3 percent slopes	Walpole	85	Drainageways, Terraces	Yes	2B3
	SCARBORO	5	Terraces	Yes	2B2, 3
<b>31B:</b>					
Walpole fine sandy loam, 3 to 8 percent slopes	Walpole	85	Drainageways, Terraces	Yes	2B3
	SCARBORO	5	Terraces	Yes	2B2, 3
<b>32A:</b>					
Wareham loamy sand, 0 to 3 percent slopes	Wareham	85	Drainageways, Terraces	Yes	2B2
	SCARBORO	15	Terraces	Yes	2B2
<b>38A:</b>					
Pipstone loamy fine sand, 0 to 3 percent slopes	SCARBORO	5	Terraces	Yes	2B2, 3
	WAREHAM	5	Terraces	Yes	2B2
<b>43A:</b>					
Scarboro mucky loamy fine sand, 0 to 1 percent slopes	Scarboro	85	Depressions, Terraces	Yes	2B2, 3
	SWANSEA	5	Bogs	Yes	1
	WALPOLE	5	Terraces	Yes	2B3
	WAREHAM	5	Terraces	Yes	2B2

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<b>51A:</b>					
Swansea muck, 0 to 1 percent slopes	Swansea	85	Bogs, Drainageways	Yes	1
	FREETOWN	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>52A:</b>					
Freetown muck, 0 to 1 percent slopes	Freetown	85	Bogs, Depressions	Yes	1
	FREETOWN, ponded	5	Bogs	Yes	1, 3
	SWANSEA	5	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>53A:</b>					
Freetown muck, ponded, 0 to 1 percent slopes	Freetown, ponded	85	Bogs, Depressions	Yes	1, 3
	SWANSEA	10	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>70B:</b>					
Ridgebury fine sandy loam, 0 to 6 percent slopes	Ridgebury	90	Depressions, Drainageways	Yes	2B3
	WHITMAN	6	Depressions	Yes	2B3, 3
<b>71A:</b>					
Ridgebury fine sandy loam, 0 to 3 percent slopes, extremely stony	Ridgebury	85	Depressions, Drainageways	Yes	2B3
	WHITMAN	8	Depressions	Yes	2B3, 3
<b>71B:</b>					
Ridgebury fine sandy loam, 3 to 8 percent slopes, extremely stony	Ridgebury	85	Depressions, Drainageways	Yes	2B3
	WHITMAN	8	Depressions	Yes	2B3, 3
<b>73A:</b>					
Whitman loam, 0 to 3 percent slopes, extremely stony	Whitman	85	Depressions	Yes	2B3, 3
	RIDGEBURY	15	Depressions	Yes	2B3

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<b>102C:</b>					
Chatfield-Hollis-Rock outcrop complex, 3 to 15 percent slopes	WHITMAN	2	Depressions	Yes	2B3, 3
	FREETOWN	1	Bogs	Yes	1
	RIDGEBURY	1	Depressions	Yes	2B3
	SWANSEA	1	Bogs	Yes	1
<b>102E:</b>					
Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes	WHITMAN	2	Depressions	Yes	2B3, 3
	FREETOWN	1	Bogs	Yes	1
	RIDGEBURY	1	Depressions	Yes	2B3
	SWANSEA	1	Bogs	Yes	1
<b>220A:</b>					
Boxford silt loam, 0 to 3 percent slopes	SCITICO	10	Depressions	Yes	2B3
	MAYBID	5	Depressions	Yes	2B3, 3
<b>220B:</b>					
Boxford silt loam, 3 to 8 percent slopes	SCITICO	10	Depressions	Yes	2B3
	MAYBID	5	Depressions	Yes	2B3, 3
<b>220C:</b>					
Boxford silt loam, 8 to 15 percent slopes	SCITICO	10	Depressions	Yes	2B3
<b>225B:</b>					
Belgrade very fine sandy loam, 0 to 8 percent slopes	OTHER SOILS	5	Depressions	Yes	2B3
<b>242A:</b>					
Hinckley gravelly fine sandy loam, 0 to 3 percent slopes	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2B2
<b>242B:</b>					
Hinckley gravelly fine sandy loam, 3 to 8 percent slopes	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2B2

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<b>242C:</b>					
Hinckley gravelly fine sandy loam, 8 to 15 percent slopes	SWANSEA	1	Bogs	Yes	1
	WAREHAM	1	Terraces	Yes	2B2
<b>242E:</b>					
Hinckley gravelly fine sandy loam, 25 to 45 percent slopes	SWANSEA	15	Bogs	Yes	1
<b>254A:</b>					
Merrimac fine sandy loam, 0 to 3 percent slopes	WALPOLE	2	Terraces	Yes	2B3
<b>254B:</b>					
Merrimac fine sandy loam, 3 to 8 percent slopes	WALPOLE	2	Terraces	Yes	2B3
<b>254C:</b>					
Merrimac fine sandy loam, 8 to 15 percent slopes	WALPOLE	2	Terraces	Yes	2B3
<b>255A:</b>					
Windsor loamy sand, 0 to 3 percent slopes	WAREHAM	4	Terraces	Yes	2B2
	SCARBORO	2	Terraces	Yes	2B2, 3
<b>255B:</b>					
Windsor loamy sand, 3 to 8 percent slopes	WAREHAM	3	Terraces	Yes	2B2
<b>255C:</b>					
Windsor loamy sand, 8 to 15 percent slopes	SCARBORO	2	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	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

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276A: Ninigret fine sandy loam, 0 to 3 percent slopes	WALPOLE	3	Terraces	Yes	2B3
	SCARBORO	2	Terraces	Yes	2B2, 3
276B: Ninigret fine sandy loam, 3 to 8 percent slopes	WALPOLE	3	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	5	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
301D: Montauk fine sandy loam, 15 to 25 percent slopes, very stony	RIDGEBURY	2	Depressions	Yes	2B3
302C: Montauk fine sandy loam, 8 to 15 percent slopes, extremely stony	RIDGEBURY	2	Depressions	Yes	2B3
305B: Paxton fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	3	Depressions	Yes	2B3
305C: Paxton fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	2	Depressions	Yes	2B3
306B: Paxton fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2B3
306C: Paxton fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	2	Depressions	Yes	2B3
310B: Woodbridge fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3

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<b>310C:</b>					
Woodbridge fine sandy loam, 8 to 15 percent slopes	RIDGEBURY	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>311B:</b>					
Woodbridge fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	7	Depressions	Yes	2B3
	WHITMAN	3	Depressions	Yes	2B3, 3
<b>311C:</b>					
Woodbridge fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2B3
<b>311D:</b>					
Woodbridge fine sandy loam, 15 to 25 percent slopes, very stony	RIDGEBURY	3	Depressions	Yes	2B3
<b>315B:</b>					
Scituate fine sandy loam, 3 to 8 percent slopes	RIDGEBURY	7	Depressions	Yes	2B3
	WHITMAN	3	Depressions	Yes	2B3, 3
<b>316B:</b>					
Scituate fine sandy loam, 3 to 8 percent slopes, very stony	RIDGEBURY	7	Depressions	Yes	2B3
	WHITMAN	3	Depressions	Yes	2B3, 3
<b>316C:</b>					
Scituate fine sandy loam, 8 to 15 percent slopes, very stony	RIDGEBURY	5	Depressions	Yes	2B3
<b>317B:</b>					
Scituate fine sandy loam, 3 to 8 percent slopes, extremely stony	RIDGEBURY	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>318B:</b>					
Scituate fine sandy loam, 3 to 8 percent slopes, extremely bouldery	RIDGEBURY	4	Depressions	Yes	2B3
<b>318C:</b>					
Scituate fine sandy loam, 8 to 15 percent slopes, extremely bouldery	RIDGEBURY	10	Depressions	Yes	2B3
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>420B:</b>					
Canton fine sandy loam, 3 to 8 percent slopes	SWANSEA	3	Bogs	Yes	1

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420C: Canton fine sandy loam, 8 to 20 percent slopes	SWANSEA	3	Bogs	Yes	1
421B: Canton fine sandy loam, 3 to 8 percent slopes, very stony	SWANSEA	3	Bogs	Yes	1
421C: Canton fine sandy loam, 8 to 15 percent slopes, very stony	SWANSEA	3	Bogs	Yes	1
422B: Canton fine sandy loam, 3 to 8 percent slopes, extremely stony	SWANSEA	3	Bogs	Yes	1
602: Urban land	WHITMAN	3	Depressions	Yes	2B3, 3
	FREETOWN	1	Bogs	Yes	1
	MAYBID	1	Depressions	Yes	2B3, 3
	SCARBORO	1	Terraces	Yes	2B2, 3
	SWANSEA	1	Bogs	Yes	1
	WHATELY VARIANT	1	Glacial lakes (relict)	Yes	2B2
607: Water, saline	Westbrook	5	Marshes	Yes	1, 3
616A: Fluvaquents, frequently flooded, 0 to 3 percent slopes	Fluvaquents	85	Alluvial flats	Yes	2B1
	SWANSEA	10	Bogs	Yes	1
620B: Boxford-Urban land complex, gently sloping	SCITICO	5	Depressions	Yes	2B3
	SHAKER	5	Depressions	Yes	2B3
622C: Paxton-Urban land complex, sloping	RIDGEBURY	2	Depressions	Yes	2B3
	SWANSEA	1	Bogs	Yes	1
	WHITMAN	1	Depressions	Yes	2B3, 3

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<b>626B:</b>					
Merrimac-Urban land complex, gently sloping	SCARBORO	1	Terraces	Yes	2B2, 3
	WALPOLE	1	Outwash plains	Yes	2B3
	WAREHAM	1	Outwash plains	Yes	2B2
<b>628C:</b>					
Canton-Urban land complex, sloping	RIDGEBURY	3	Depressions	Yes	2B3
	WHITMAN	3	Depressions	Yes	2B3, 3
	SWANSEA	2	Bogs	Yes	1
<b>652:</b>					
Udorthents, refuse substratum	RIDGEBURY	2	Depressions	Yes	2B3
	SCARBORO	1	Terraces	Yes	2B2, 3
	WALPOLE	1	Terraces	Yes	2B3
	WHITMAN	1	Depressions	Yes	2B3, 3
<b>702C:</b>					
Udipsamments, rolling	IPSWICH	2	Marshes	Yes	1, 3
	SCARBORO	2	Terraces	Yes	2B2, 3
	WESTBROOK	2	Marshes	Yes	1, 3
<b>712A:</b>					
Ipswich and Westbrook mucky peats, 0 to 1 percent slopes	Ipswich	60	Tidal marshes, Tidal marshes	Yes	1, 3
	Westbrook	30	Tidal marshes, Tidal marshes	Yes	1, 3
	SWANSEA	5	Bogs	Yes	1
	WHITMAN	5	Depressions	Yes	2B3, 3
<b>714A:</b>					
Melrose fine sandy loam, 0 to 3 percent slopes	SHAKER	5	Depressions	Yes	2B3
<b>714B:</b>					
Melrose fine sandy loam, 3 to 8 percent slopes	SHAKER	5	Depressions	Yes	2B3

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<b>720A:</b>					
Whately Variant mucky fine sandy loam, 0 to 1 percent slopes	Whately variant	85	Depressions, Drainageways	Yes	2B3
	SHAKER	10	Depressions	Yes	2B3
	SWANSEA	5	Bogs	Yes	1
<b>722B:</b>					
Annisquam fine sandy loam, 3 to 8 percent slopes, extremely bouldery	RIDGEBURY	3	Depressions	Yes	2B3
<b>722C:</b>					
Annisquam fine sandy loam, 8 to 15 percent slopes, extremely bouldery	RIDGEBURY	2	Depressions	Yes	2B3
<b>722E:</b>					
Annisquam fine sandy loam, 15 to 35 percent slopes, extremely bouldery	RIDGEBURY	1	Depressions	Yes	2B3
<b>723A:</b>					
Elmridge fine sandy loam, 0 to 3 percent slopes	SHAKER	10	Depressions	Yes	2B3
<b>723B:</b>					
Elmridge fine sandy loam, 3 to 8 percent slopes	SHAKER	5	Depressions	Yes	2B3
<b>724C:</b>					
Hollis-Urban land-Rock outcrop complex, sloping	RIDGEBURY	2	Depressions	Yes	2B3
	WHITMAN	2	Depressions	Yes	2B3, 3
<b>725A:</b>					
Shaker fine sandy loam, 0 to 3 percent slopes	Shaker	85	Depressions, Depressions	Yes	2B3
	WHATELY VARIANT	10	Depressions	Yes	2B2
<b>725B:</b>					
Shaker fine sandy loam, 3 to 8 percent slopes	Shaker	85	Depressions, Depressions	Yes	2B3
	WHATELY VARIANT	10	Depressions	Yes	2B2

**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

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- 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.