

## Hydric Soils

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>Aa:</b>					
Adrian muck	Adrian	90	Swamps	Yes	1, 4
	Carlisle	3	Swamps	Yes	1, 3, 4
	Ridgebury	2	Depressions, Drainageways	Yes	2B3
	Scarboro	2	Depressions, Drainageways, Terraces	Yes	2B3
	Whitman	2	Depressions, Drainageways	Yes	2B3
	Raypol	1	Outwash plains	Yes	2B3
<b>Bc:</b>					
Birchwood sandy loam	Stissing	1	Depressions	Yes	2B3
<b>BiB:</b>					
Bigapple sand, 0 to 8 percent slopes	Sandyhook	2	Back-barrier flats	Yes	2B2
<b>Co:</b>					
Carlisle muck	Carlisle	90	Swamps	Yes	1, 3, 4
	Adrian	3	Swamps	Yes	1, 4
	Scarboro	2	Depressions, Drainageways, Terraces	Yes	2B3
	Walpole	2	Depressions, Drainageways, Terraces	Yes	2B3
	Whitman	2	Depressions, Drainageways	Yes	2B3
	Leicester	1	Depressions, Drainageways	Yes	2B3
<b>Dc:</b>					
Deerfield loamy fine sand	Walpole	5	Depressions, Drainageways, Terraces	Yes	2B3
<b>FtA:</b>					
Fortress sand, 0 to 3 percent slopes	Sandyhook	3	Back-barrier flats	Yes	2B2

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<b>HsB:</b>					
Hooksan sand, 3 to 8 percent slopes	Sandyhook	5	Back-barrier flats	Yes	2B2
<b>Ip:</b>					
Ipswich peat	Ipswich	95	Salt marshes, Tidal marshes	Yes	1, 3
	Matunuck	5	Tidal marshes	Yes	2B2, 3
<b>Ma:</b>					
Mansfield mucky silt loam	Mansfield	95	Depressions	Yes	2B3
	Stissing	5	Depressions	Yes	2B3
<b>Mc:</b>					
Mansfield very stony mucky silt loam	Mansfield	90	Depressions	Yes	2B3
	Stissing	10	Depressions	Yes	2B3
<b>Mk:</b>					
Matunuck mucky peat	Matunuck	95	Tidal marshes	Yes	2B2, 3
	Ipswich	5	Salt marshes, Tidal marshes	Yes	1, 3
<b>Nt:</b>					
Ninigret fine sandy loam	Raypol	1	Outwash plains	Yes	2B3
	Walpole	1	Depressions, Drainageways, Terraces	Yes	2B3
<b>PbB:</b>					
Paxton very stony fine sandy loam, 0 to 8 percent slopes	Leicester	1	Depressions, Drainageways	Yes	2B3
	Ridgebury	1	Depressions, Drainageways	Yes	2B3
<b>PbC:</b>					
Paxton very stony fine sandy loam, 8 to 15 percent slopes	Leicester	1	Depressions, Drainageways	Yes	2B3
	Ridgebury	1	Depressions, Drainageways	Yes	2B3
<b>PcC:</b>					
Paxton extremely stony fine sandy loam, 3 to 15 percent slopes	Leicester	1	Depressions, Drainageways	Yes	2B3
	Ridgebury	1	Depressions, Drainageways	Yes	2B3

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PmA: Pittstown silt loam, 0 to 3 percent slopes	Stissing	5	Depressions	Yes	2B3
PmB: Pittstown silt loam, 3 to 8 percent slopes	Stissing	5	Depressions	Yes	2B3
PnB: Pittstown very stony silt loam, 0 to 8 percent slopes	Stissing	3	Depressions	Yes	2B3
Pp: Podunk fine sandy loam	Rippowam	5	Flood plains	Yes	2B3
Pw: Pawcatuck mucky peat	Pawcatuck	85	Tidal marshes	Yes	---
	Ipswich	5	Salt marshes, Tidal marshes	Yes	1, 3
	Matunuck	5	Tidal marshes	Yes	2B2, 3
	Sandyhook	5	Back-barrier flats	Yes	2B2
Rc: Raypol silt loam	Raypol	90	Outwash plains	Yes	2B3
	Scarboro	3	Depressions, Drainageways, Terraces	Yes	2B3
	Walpole	3	Depressions, Drainageways, Terraces	Yes	2B3
Re: Ridgebury fine sandy loam	Ridgebury	90	Depressions, Drainageways	Yes	2B3
	Leicester	4	Depressions, Drainageways	Yes	2B3
	Whitman	3	Depressions, Drainageways	Yes	2B3

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<b>Rf:</b>					
Ridgebury, Whitman, and Leicester extremely stony fine sandy loams	Leicester	30	Depressions, Drainageways	Yes	2B3
	Ridgebury	30	Depressions, Drainageways	Yes	2B3
	Whitman	20	Depressions, Drainageways	Yes	2B3
	Adrian	10	Swamps	Yes	1, 4
<b>Rk:</b>					
Rock outcrop	Matunuck	5	Tidal marshes	Yes	2B2, 3
<b>Rp:</b>					
Rock outcrop-Canton complex	Leicester	4	Depressions, Drainageways	Yes	2B3
<b>Ru:</b>					
Rumney fine sandy loam	Rippowam	85	Flood plains	Yes	2B3
	Adrian	8	Swamps	Yes	1, 4
<b>Sa:</b>					
Sandyhook mucky peat, 0 to 3 percent slopes	Sandyhook	85	Back-barrier flats	Yes	2B2
	Matunuck	5	Tidal marshes	Yes	2B2, 3
	Pawcatuck	3	Tidal marshes	Yes	---
<b>Sb:</b>					
Scarboro mucky sandy loam	Scarboro	90	Depressions, Drainageways, Terraces	Yes	2B3
	Walpole	4	Depressions, Drainageways, Terraces	Yes	2B3
	Raypol	2	Outwash plains	Yes	2B3
<b>ScA:</b>					
Scio silt loam, 0 to 3 percent slopes	Raypol	2	Outwash plains	Yes	2B3
	Rippowam	2	Flood plains	Yes	2B3

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<b>Se:</b>					
Stissing silt loam	Stissing	90	Depressions	Yes	2B3
	Mansfield	3	Depressions	Yes	2B3
<b>Sf:</b>					
Stissing very stony silt loam	Stissing	90	Depressions	Yes	2B3
	Mansfield	5	Depressions	Yes	2B3
<b>ShA:</b>					
Succotash sand, 0 to 3 percent slopes	Matunuck	5	Tidal marshes	Yes	2B2, 3
	Sandyhook	5	Back-barrier flats	Yes	2B2
<b>Ss:</b>					
Sudbury sandy loam	Walpole	1	Depressions, Drainageways, Terraces	Yes	2B3
<b>StA:</b>					
Sutton fine sandy loam, 0 to 3 percent slopes	Leicester	5	Depressions, Drainageways	Yes	2B3
<b>StB:</b>					
Sutton fine sandy loam, 3 to 8 percent slopes	Leicester	5	Depressions, Drainageways	Yes	2B3
<b>SU:</b>					
Succotash-Urban land complex, 0 to 3 percent slopes	Sandyhook	5	Back-barrier flats	Yes	2B2
<b>SuB:</b>					
Sutton very stony fine sandy loam, 0 to 8 percent slopes	Leicester	3	Depressions, Drainageways	Yes	2B3
<b>SvB:</b>					
Sutton extremely stony fine sandy loam, 0 to 8 percent slopes	Leicester	3	Depressions, Drainageways	Yes	2B3
<b>Tb:</b>					
Tisbury silt loam	Raypol	3	Outwash plains	Yes	2B3
<b>UAB:</b>					
Udipsamments	Matunuck	1	Tidal marshes	Yes	2B2, 3
<b>UrS:</b>					
Urban land, 0 to 3 percent slopes, sandy substratum	Sandyhook	3	Back-barrier flats	Yes	2B2

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<b>Wa:</b>					
Walpole sandy loam	Walpole	90	Depressions, Drainageways, Terraces	Yes	2B3
	Scarboro	3	Depressions, Drainageways, Terraces	Yes	2B3
<b>WAa0:</b>					
Anguilla mucky sand, 0 to 1 meter water depth	Anguilla, 0 to 1 meter water depth	85	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 0 to 1 meter water depth	5	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Napatree, 0 to 1 meter water depth	5	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Pishagqua, 0 to 1 meter water depth	5	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
<b>WAa1:</b>					
Anguilla mucky sand, 1 to 2 meter water depth	Anguilla, 1 to 2 meter water depth	85	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 1 to 2 meter water depth	5	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Napatree, 0 to 1 meter water depth	5	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Pishagqua, 1 to 2 meter water depth	5	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>WAA2:</b>					
Anguilla mucky sand, 2 to 3 meter water depth	Anguilla, 2 to 3 meter water depth	90	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 1 to 2 meter water depth	5	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Napatree, 0 to 1 meter water depth	3	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Pishagqua, 1 to 2 meter water depth	2	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
<b>WbA:</b>					
Wapping silt loam, 0 to 3 percent slopes	Leicester	3	Depressions, Drainageways	Yes	2B3
<b>WbB:</b>					
Wapping silt loam, 3 to 8 percent slopes	Leicester	2	Depressions, Drainageways	Yes	2B3
<b>WbN0:</b>					
Billington silt loam, 0 to 1 meter water depth	Billington, 0 to 1 meter water depth	75	Coves (water)	Yes	2B3
	Pishagqua, 0 to 1 meter water depth	10	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Anguilla, 0 to 1 meter water depth	5	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 0 to 1 meter water depth	5	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Wequetequock, 0 to 2 meter water depth	5	Mainland coves	Yes	---
<b>WcB:</b>					
Wapping very stony silt loam, 0 to 8 percent slopes	Leicester	3	Depressions, Drainageways	Yes	2B3
<b>WdB:</b>					
Wapping extremely stony silt loam, 0 to 8 percent slopes	Leicester	2	Depressions, Drainageways	Yes	2B3

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<b>WFn0:</b>					
Fort Neck mucky silt loam, 0 to 1 meter water depth	Fort Neck, 0 to 1 meter water depth	85	Coves (water)	Yes	---
	Pishagqua, 0 to 1 meter water depth	7	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Anguilla, 0 to 1 meter water depth	3	Coves (water), Submerged mainland beaches	Yes	---
	Napatree, 0 to 1 meter water depth	3	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Billington, 0 to 1 meter water depth	2	Coves (water)	Yes	2B3
<b>WFn1:</b>					
Fort Neck mucky silt loam, 1 to 2 meter water depth	Fort Neck, 1 to 2 meters water depth	85	Coves (water), Lagoon bottoms	Yes	---
	Pishagqua, 0 to 1 meter water depth	7	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Anguilla, 1 to 2 meter water depth	3	Coves (water), Submerged mainland beaches	Yes	---
	Napatree, 0 to 1 meter water depth	3	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Billington, 0 to 1 meter water depth	2	Coves (water)	Yes	2B3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>WFn2:</b>					
Fort Neck mucky silt loam, 2 to 3 meter water depth	Fort Neck, 2 to 3 meters water depth	85	Coves (water), Lagoon bottoms	Yes	---
	Pishagqua, 1 to 2 meter water depth	7	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Anguilla, 2 to 3 meter water depth	3	Coves (water), Submerged mainland beaches	Yes	---
	Napatree, 1 to 2 meter water depth	3	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Billington, 0 to 1 meter water depth	2	Coves (water)	Yes	2B3
<b>WhA:</b>					
Woodbridge fine sandy loam, 0 to 3 percent slopes	Ridgebury	2	Depressions, Drainageways	Yes	2B3
<b>WhB:</b>					
Woodbridge fine sandy loam, 3 to 8 percent slopes	Ridgebury	2	Depressions, Drainageways	Yes	2B3
<b>WMa1:</b>					
Marshneck loam, 1 to 2 meter water depth	Marshneck, 1 to 2 meters water depth	78	---	Yes	---
	Fort Neck, 0 to 1 meter water depth	7	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Massapog, 0 to 1 meter water depth	7	Flood-tidal delta flats	Yes	---
	Nagunt, sloping	4	Washover fan flats, Washover fans	Yes	2B3
	Pishagqua, 0 to 1 meter water depth	4	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
<b>WMd:</b>					
Massapog fine sand, 2 to 5 meter water depth, dredged	Massapog, 0 to 1 meter water depth	86	Flood-tidal delta flats	Yes	---
	Fort Neck, 1 to 2 meters water depth	7	Coves (water), Lagoon bottoms	Yes	---
	Nagunt, 0 to 1 meter water depth	7	Washover fan flats, Washover fans	Yes	2B3

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Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
<b>WMg0:</b>					
Massapog fine sand, 0 to 1 meter water depth	Massapog, 0 to 1 meter water depth	86	Flood-tidal delta flats	Yes	---
	Fort Neck, 1 to 2 meters water depth	7	Coves (water), Lagoon bottoms	Yes	---
	Nagunt, 0 to 1 meter water depth	7	Washover fan flats, Washover fans	Yes	2B3
<b>WMg1:</b>					
Massapog fine sand, 1 to 2 meter water depth	Massapog, 1 to 2 meter water depth	86	Flood-tidal delta flats	Yes	---
	Fort Neck, 1 to 2 meters water depth	7	Coves (water), Lagoon bottoms	Yes	---
	Nagunt, 0 to 1 meter water depth	7	Washover fan flats, Washover fans	Yes	2B3
<b>WMgT:</b>					
Massapog fine sand, intertidal	Massapog, intertidal	90	Flood-tidal delta flats	Yes	---
	Nagunt, 0 to 1 meter water depth	10	Washover fan flats, Washover fans	Yes	2B3
<b>WNa0:</b>					
Nagunt sand, 0 to 1 meter water depth	Nagunt, 0 to 1 meter water depth	85	Washover fan flats, Washover fan slopes	Yes	2B3
	Fort Neck, 1 to 2 meters water depth	5	Coves (water), Lagoon bottoms	Yes	---
	Massapog, 0 to 1 meter water depth	5	Flood-tidal delta flats	Yes	---
	Anguilla, 0 to 1 meter water depth	3	Coves (water), Submerged mainland beaches	Yes	---
	Marshneck, 1 to 2 meters water depth	2	---	Yes	---
<b>WNd:</b>					
Nagunt sand, 2 to 5 meter water depth, dredged	Nagunt, 2 to 3 meter water depth	90	Washover fan flats, Washover fans	Yes	2B3
	Fort Neck, 1 to 2 meters water depth	5	Coves (water), Lagoon bottoms	Yes	---
	Massapog, 0 to 1 meter water depth	5	Flood-tidal delta flats	Yes	---

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<b>WNe0:</b>					
Napatree sand, 0 to 1 meter water depth, bouldery	Napatree, bouldery	70	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Anguilla, 0 to 1 meter water depth	13	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 0 to 1 meter water depth	12	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Pishagqua, 0 to 1 meter water depth	3	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Billington, 0 to 1 meter water depth	2	Coves (water)	Yes	2B3
<b>WNs1:</b>					
Nagunt sand, sloping, 1 to 2 meter water depth	Nagunt, sloping	78	Washover fan flats, Washover fans	Yes	2B3
	Fort Neck, 1 to 2 meters water depth	8	Coves (water), Lagoon bottoms	Yes	---
	Pishagqua, 0 to 1 meter water depth	7	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Marshneck, 1 to 2 meters water depth	4	---	Yes	---
	Massapog, 0 to 1 meter water depth	3	Flood-tidal delta flats	Yes	---

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<b>WNx0:</b>					
Napatree sand, 0 to 1 meter water depth, extremely bouldery	Napatree, extremely bouldery	70	Coves (water), Mainland coves, Submerged mainland beaches	Yes	---
	Anguilla, 0 to 1 meter water depth	13	Coves (water), Submerged mainland beaches	Yes	---
	Fort Neck, 0 to 1 meter water depth	12	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Pishagqua, 0 to 1 meter water depth	3	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Billington, 0 to 1 meter water depth	2	Coves (water)	Yes	2B3
<b>WoB:</b>					
Woodbridge very stony fine sandy loam, 0 to 8 percent slopes	Ridgebury	3	Depressions, Drainageways	Yes	2B3
<b>WPa0:</b>					
Pishagqua mucky silt loam, 0 to 1 meter water depth	Pishagqua, 0 to 1 meter water depth	85	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Fort Neck, 0 to 1 meter water depth	7	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Billington, 0 to 1 meter water depth	5	Coves (water)	Yes	2B3
	Wequetequock, 0 to 2 meter water depth	3	Mainland coves	Yes	---
<b>WPa1:</b>					
Pishagqua mucky silt loam, 1 to 2 meter water depth	Pishagqua, 1 to 2 meter water depth	85	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Fort Neck, 1 to 2 meter water depth	7	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Billington, 0 to 1 meter water depth	5	Coves (water)	Yes	2B3
	Wequetequock, 0 to 2 meter water depth	3	Mainland coves	Yes	---

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<b>WPa2:</b>					
Pishagqua mucky silt loam, 2 to 3 meter water depth	Pishagqua, 2 to 3 meter water depth	85	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Fort Neck, 1 to 2 meter water depth	7	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Billington, 0 to 1 meter water depth	5	Coves (water)	Yes	2B3
	Wequetequock, 0 to 2 meter water depth	3	Mainland coves	Yes	---
<b>WPd:</b>					
Pishagqua mucky silt loam, 2 to 5 meter water depth, dredged	Pishagqua, 2 to 3 meter water depth	85	Coves (water), Lagoon bottoms, Lagoon channels	Yes	---
	Fort Neck, 1 to 2 meter water depth	7	Coves (water), Lagoon bottoms, Submerged mainland beaches	Yes	---
	Billington, 0 to 1 meter water depth	5	Coves (water)	Yes	2B3
	Wequetequock, 0 to 2 meter water depth	3	Mainland coves	Yes	---
<b>WrB:</b>					
Woodbridge extremely stony fine sandy loam, 0 to 8 percent slopes	Ridgebury	3	Depressions, Drainageways	Yes	2B3
<b>WRh0:</b>					
Rhodesfolly fine sand, 0 to 1 meter water depth	Rhodesfolly, 0 to 1 meter water depth	85	Washover fans	Yes	---
	Napatree, 0 to 1 meter water depth	10	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Anguilla, 0 to 1 meter water depth	5	Coves (water), Submerged mainland beaches	Yes	---

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WRh1:					
Rhodesfolly fine sand, 1 to 2 meter water depth	Rhodesfolly, 1 to 2 meter water depth	85	Washover fans	Yes	---
	Napatree, 0 to 1 meter water depth	10	Coves (water), Submerged mainland beaches, Submerged wave-cut platforms	Yes	---
	Anguilla, 1 to 2 meter water depth	5	Coves (water), Submerged mainland beaches	Yes	---

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.