Union County, Iowa
Hydric Soils

Print date: 12/02/2015

(ONLY MAPUNITS THAT CONTAIN HYDRIC SOILS ARE LISTED)

Map Symbol And map unit name	Hydric Component	Percent Of Map Unit	Hydric Rating	Landform	Hydric Soils Criteria			
					Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria
8B: Judson silty clay loam, 2 to 5 percent slopes	Colo, rarely flooded	10	Yes	flood plains	2	Yes	No	No
11B: Colo-Ely silty clay loams, 2 to 5 percent slopes	Colo, occasionally flooded	50	Yes	drainageways	2	Yes	No	No
13B: Nodaway-Vesser silt loams, 2 to 5 percent slopes	Vesser, occasionally flooded	30	Yes	drainageways	2	Yes	No	No
23C: Arispe silty clay loam, 5 to 9 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
24D: Shelby clay loam, 9 to 14 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
24D2: Shelby clay loam, 9 to 14 percent slopes, moderately eroded	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
24D3: Shelby clay loam, 9 to 14 percent slopes, severely eroded	Clarinda, severely eroded	5	Yes	hillslopes	2	Yes	No	No
24E: Shelby clay loam, 14 to 18 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
24E2: Shelby clay loam, 14 to 18 percent slopes, moderately eroded	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
51: Vesser silt loam, 0 to 2 percent slopes	Vesser, occasionally flooded	90	Yes	flood plains	2	Yes	No	No
	Humeston, Frequently flooded	5	Yes	flood plains	2	Yes	No	No
69C:								

Clearfield silty clay loam, 5 to 9 percent slopes	Clearfield	95	Yes	hillslopes	2	Yes	No	No
	Clarinda	5	Yes	hillslopes	2	Yes	No	No

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122: Sperry silt loam, 0 to 2 percent slopes	Sperry	90	Yes	depressions	2, 3	Yes	No	Yes
	Winterset	5	Yes	depressions	2	Yes	No	No
131C: Pershing silt loam, 5 to 9 percent slopes	Rinda	5	Yes	hillslopes	2	Yes	No	No
131C2: Pershing silt loam, 5 to 9 percent slopes, moderately eroded	Rinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
133: Colo silty clay loam, deep loess, 0 to 2 percent slopes, occasionally flooded	Colo, occasionally flooded	85	Yes	flood plains	2	Yes	No	No
	Calco, occasionally flooded	5	Yes	till plains	2	Yes	No	No
	Zook, occasionally flooded	5	Yes	flood plains	2	Yes	No	No
179D: Gara loam, 9 to 14 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
179D2: Gara loam, 9 to 14 percent slopes, moderately eroded	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
192C: Adair clay loam, 5 to 9 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
192C2: Adair clay loam, 5 to 9 percent slopes, moderately eroded	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
212: Kennebec silt loam, 0 to 2 percent slopes	Colo, occasionally flooded	5	Yes	flood plains	2	Yes	No	No
220: Nodaway silt loam, 0	Colo,	5	Yes	flood plains	2	Yes	No	No

to 2 percent slopes	occasionally flooded							
222C:								
Clarinda silty clay loam, 5 to 9 percent slopes	Clarinda	85	Yes	hillslopes	2	Yes	No	No
	Clearfield	10	Yes	hillslopes	2	Yes	No	No
	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No

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222C2:								
Clarinda silty clay loam, 5 to 9 percent slopes, moderately eroded	Clarinda, moderately eroded	85	Yes	hillslopes	2	Yes	No	No
	Clearfield	10	Yes	hillslopes	2	Yes	No	No
	Clarinda, severely eroded	5	Yes	hillslopes	2	Yes	No	No
222D:								
Clarinda silty clay loam, 9 to 14 percent slopes	Clarinda	90	Yes	hillslopes	2	Yes	No	No
222D2:								
Clarinda silty clay loam, 9 to 14 percent slopes, moderately eroded	Clarinda, moderately eroded	90	Yes	hillslopes	2	Yes	No	No
248:								
Wabash silty clay loam, 0 to 2 percent slopes	Wabash, occasionally flooded	90	Yes	flood plains	3, 2	Yes	No	Yes
	Colo, occasionally flooded	5	Yes	flood plains	2	Yes	No	No
	Humeston, occasionally flooded	5	Yes	flood plains	2	Yes	No	No
269:								
Humeston silty clay loam, 0 to 2 percent slopes	Humeston, rarely flooded	90	Yes	flood plains	2	Yes	No	No
	Colo, rarely flooded	5	Yes	flood plains	2	Yes	No	No
	Wabash, rarely	5	Yes	flood plains	2	Yes	No	No

	flooded, ponded							
273B: Olmitz loam, 2 to 5 percent slopes	Colo, rarely flooded	5	Yes	flood plains	2	Yes	No	No
362: Haig silty clay loam, 0 to 2 percent slopes	Haig	90	Yes	flats	2	Yes	No	No
	Edina	10	Yes	divides	2	Yes	No	No
364B: Grundy silty clay loam, 2 to 5 percent slopes	Edina	5	Yes	flats	2	Yes	No	No
	Haig	5	Yes	interfluves	2	Yes	No	No

Map Symbol And map unit name	Hydric Component	Percent Of Map Unit	Hydric Rating	Landform	Hydric Soils Criteria			
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368: Macksburg silty clay loam, 0 to 2 percent slopes	Winterset	5	Yes	depressions	2	Yes	No	No
368B: Macksburg silty clay loam, 2 to 5 percent slopes	Winterset	5	Yes	depressions	2	Yes	No	No
369: Winterset silty clay loam, 0 to 2 percent slopes	Winterset	90	Yes	depressions	2	Yes	No	No
	Sperry	5	Yes	depressions	3, 2	Yes	No	Yes
370C: Sharpsburg silty clay loam, 5 to 9 percent slopes	Clearfield	5	Yes	hillslopes	2	Yes	No	No
822C: Lamoni silty clay loam, 5 to 9 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
822C2: Lamoni silty clay loam, 5 to 9 percent slopes, moderately eroded	Clarinda, moderately eroded	5	Yes	hillslopes	2	Yes	No	No
822D: Lamoni silty clay loam, 9 to 14 percent slopes	Clarinda	5	Yes	hillslopes	2	Yes	No	No
822D2: Lamoni silty clay	Clarinda,	5	Yes	hillslopes	2	Yes	No	No

loam, 9 to 14 percent slopes, moderately eroded	moderately eroded							
C220:								
Nodaway silt loam, 0 to 2 percent slopes, channeled	Colo, frequently flooded, channeled	2	Yes	flood plains	2	Yes	No	No
	Zook, frequently flooded, channeled	2	Yes	flood plains	3, 2, 4	Yes	Yes	Yes
T130:								
Belinda silt loam, terrace, 0 to 2 percent slopes	Belinda, terrace	90	Yes	stream terraces	2	Yes	No	No
	Belinda, ponded	5	Yes	stream terraces	2	Yes	No	No
T131B:								
Pershing silt loam, terrace, 2 to 5 percent slopes	Belinda, terrace	5	Yes	stream terraces	2	Yes	No	No

Explanation of hydric criteria codes:

1. All Histels (except for Folistels), and Histosols (except for Folists), which are, by definition, saturated
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 periods of long or very long duration during the growing season.
4. Soils that are frequently flooded for periods of long or very long duration during the growing season.