

(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
6: Okoboji silty clay loam, 0 to 1 percent slopes	Okoboji	85	Yes	depressions	2	Yes	No	No
	Canisteo	10	Yes	rims on depressions, ground moraines	2	Yes	No	No
	Harps	5	Yes	rims on depressions	2	Yes	No	No
34: Estherville sandy loam, 0 to 2 percent slopes	Hanska	5	Yes	stream terraces	2	Yes	No	No
34B: Estherville sandy loam, 2 to 6 percent slopes	Biscay	1	Yes	terraces, outwash plains	2	Yes	No	No
54: Zook silty clay loam, 0 to 2 percent slopes	Zook, occasionally flooded	100	Yes	flood plains	2	Yes	No	No
55: Nicollet clay loam, 1 to 3 percent slopes	Okoboji	5	Yes	depressions	2	Yes	No	No
	Webster	5	Yes	ground moraines	2	Yes	No	No
90: Okoboji mucky silt loam, 0 to 1 percent slopes	Okoboji	95	Yes	ground moraines	3, 2	Yes	No	Yes
	Harps	5	Yes	ground moraines	2	Yes	No	No
95: Harps clay loam, 0 to 2 percent slopes	Harps	85	Yes	rims on depressions	2	Yes	No	No
	Glencoe	10	Yes	depressions	2	Yes	No	No
	Okoboji	3	Yes	depressions	2	Yes	No	No
	Canisteo	2	Yes	rims on depressions, ground moraines	2	Yes	No	No

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107: Webster clay loam, 0 to 2 percent slopes	Webster	85	Yes	ground moraines	2	Yes	No	No
	Okoboji	5	Yes	depressions	2	Yes	No	No
	Glencoe	3	Yes	depressions	2	Yes	No	No

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	Canisteo	2	Yes	rims on depressions, ground moraines	2	Yes	No	No
133: Colo silty clay loam, 0 to 2 percent slopes	Colo, occasionally flooded	100	Yes	flood plains	2	Yes	No	No
133B: Colo silty clay loam, 2 to 4 percent slopes	Colo, occasionally flooded	95	Yes	alluvial fans	2	Yes	No	No
135: Coland clay loam, 0 to 2 percent slopes	Coland, occasionally flooded	95	Yes	flood plains	2	Yes	No	No
	Calco, occasionally flooded	5	Yes	flood plains	2	Yes	No	No
138B: Clari on loam, 2 to 6 percent slopes	Webster	5	Yes	ground moraines	2	Yes	No	No
150: Hanska loam, 0 to 2 percent slopes	Hanska	85	Yes	terraces, outwash plains	2	Yes	No	No
	Lemond	10	Yes	terraces, outwash plains	2	Yes	No	No
181B: Clari on-Estherville complex, 2 to 6 percent slopes	Webster	5	Yes	ground moraines	2	Yes	No	No
203: Cylinder loam, 32 to 40 inches to sand and gravel, 0 to 2 percent slopes	Hanska	5	Yes	stream terraces	2	Yes	No	No
221: Klossner muck, 0 to 1 percent slopes	Klossner, drained	90	Yes	depressions	1	No	No	No

224: Linder loam, 0 to 2 percent slopes 236B: Lester loam, 2 to 6 percent slopes	Canisteo	5	Yes	rims on depressions, ground moraines	2	Yes	No	No
	Okoboji	5	Yes	depressions	2	Yes	No	No
	Hanska	5	Yes	stream terraces	2	Yes	No	No
	Cordova	5	Yes	ground moraines	2	Yes	No	No

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236C: Lester loam, 6 to 10 percent slopes 259: Biscay clay loam, 0 to 2 percent slopes	Webster	5	Yes	ground moraines	2	Yes	No	No
	Webster	5	Yes	ground moraines	2	Yes	No	No
	Biscay	85	Yes	terraces, outwash plains	2	Yes	No	No
	Biscay, depressional	10	Yes	depressions on outwash plains	2	Yes	No	No
	Mayer	3	Yes	terraces, outwash plains	2	Yes	No	No
274: Rolfe silt loam, 0 to 1 percent slopes	Okoboji	2	Yes	depressions	2	Yes	No	No
	Rolfe	85	Yes	depressions	2	Yes	No	No
	Webster	10	Yes	ground moraines	2	Yes	No	No
	Glencoe	5	Yes	depressions	2	Yes	No	No
288: Ottosen clay loam, 1 to 3 percent slopes 325: Le Sueur loam, 1 to 3 percent slopes	Kossuth	5	Yes	drainageways	2	Yes	No	No
	Cordova	10	Yes	ground moraines	2	Yes	No	No
330: Kingston silty clay loam, 1 to 3 percent	Webster	5	Yes	ground moraines	2	Yes	No	No
	Madelia	5	Yes	flats, ground moraines,	2	Yes	No	No

Soil Name	Hydric Component	Percent of Map Unit	Hydric Rating	Landform	Hydric Criteria Code	Meets Saturation Criteria	Meets Flooding Criteria	Meets Ponding Criteria
335: Harcot loam, 0 to 2 percent slopes	Harcot	95	Yes	stream terraces	2	Yes	No	No
	Okoboji	5	Yes	ground moraines	2, 3	Yes	No	Yes
339B: Truman silt loam, 2 to 6 percent slopes	Madelia	2	Yes	flats, ground moraines, lake plains	2	Yes	No	No
348: Fieldon loam, 0 to 2 percent slopes	Fieldon	85	Yes	lake plains, terraces, outwash plains	2	Yes	No	No
	Biscay	10	Yes	terraces, outwash plains	2	Yes	No	No

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349: Darfur loam, 0 to 2 percent slopes	Darfur	100	Yes	glacial lakes (relict)	2	Yes	No	No
354: Aquolls, ponded	Aquolls	100	Yes	depressions	3, 2	Yes	No	Yes
388: Kossuth silty clay loam, 0 to 2 percent slopes	Kossuth	95	Yes	drainageways	2	Yes	No	No
	Okoboji	5	Yes	ground moraines	3, 2	Yes	No	Yes
389: Waldorf silty clay loam, 0 to 2 percent slopes	Waldorf	85	Yes	flats, ground moraines, lake plains	2	Yes	No	No
	Okoboji	6	Yes	depressions, depressions	2	Yes	No	No
	Brownston	4	Yes	ground moraines, flats, lake plains	2	Yes	No	No
485: Spillville loam, 0 to 2 percent slopes	Coland, occasionally flooded	5	Yes	flood plains	2	Yes	No	No

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485B: Spillville loam, 2 to 5 percent slopes	Coland	5	Yes	flood plains	2	Yes	No	No
506: Wacousta silty clay loam, 0 to 1 percent slopes	Wacousta	95	Yes	ground moraines	3, 2	Yes	No	Yes
	Harps	5	Yes	ground moraines	2	Yes	No	No
507: Canisteo clay loam, 0 to 2 percent slopes	Canisteo	75	Yes	rims on depressions, ground moraines	2	Yes	No	No
	Okoboji	13	Yes	depressions	2	Yes	No	No
	Harps	5	Yes	rims on depressions	2	Yes	No	No
	Webster	5	Yes	ground moraines	2	Yes	No	No
	Glencoe	2	Yes	depressions	2	Yes	No	No

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511: Blue Earth mucky silt loam, 0 to 1 percent slopes	Blue Earth	85	Yes	depressions	2	Yes	No	No
	Canisteo	10	Yes	rims on depressions, ground moraines	2	Yes	No	No
	Harps	4	Yes	rims on depressions	2	Yes	No	No
	Lemond	1	Yes	terraces, outwash plains	2	Yes	No	No
559: Talcot clay loam, 32 to 40 inches to sand and gravel, 0 to 2 percent slopes	Talcot, 32 to 40 inches to sand and gravel	100	Yes	stream terraces	2	Yes	No	No
585B: Colo-Spillville complex, 2 to 5 percent slopes	Colo, occasionally flooded	55	Yes	drainageways	2	Yes	No	No
	Zook, occasionally flooded	5	Yes	drainageways	2	Yes	No	No

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654: Corwith loam, 1 to 3 percent slopes	Fiel don	5	Yes	outwash terraces	2	Yes	No	No
655: Crippin loam, 1 to 3 percent slopes	Okoboj i	5	Yes	ground moraines	2	Yes	No	No
658: Mayer loam, 0 to 2 percent slopes	Mayer	85	Yes	terraces, outwash plains	2	Yes	No	No
	Bi scay	10	Yes	terraces, outwash plains	2	Yes	No	No
733: Calco silty clay loam, 0 to 2 percent slopes	Calco, occasionally flooded	100	Yes	flood plains	2	Yes	No	No
879: Fostoria loam, 0 to 2 percent slopes	Darfur	5	Yes	glacial lakes (relict)	2	Yes	No	No
895: Lemond loam, 0 to 2 percent slopes	Lemond	85	Yes	terraces, outwash plains	2	Yes	No	No
	Bi scay	10	Yes	terraces, outwash plains	2	Yes	No	No

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1032: Spicer silty clay loam, 0 to 2 percent slopes	Hanska	5	Yes	terraces, outwash plains	2	Yes	No	No
	Spi cer	90	Yes	flats, ground moraines, lake plains	2	Yes	No	No
	Okoboj i	5	Yes	depressions, depressions	2	Yes	No	No
	Madel ia	3	Yes	lake plains, ground moraines, flats	2	Yes	No	No
1133: Colo silty clay loam, channel ed, 0 to 2 percent slopes	Colo, frequently flooded, channel ed	95	Yes	flood plains	2, 4	Yes	Yes	No
	Zook,	5	Yes	flood plains	4, 2, 3	Yes	Yes	Yes

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	frequently flooded, channel ed							
1135: Col and clay loam, channel ed, 0 to 2 percent slopes	Col and, frequently flooded, channel ed	95	Yes	flood plains	2, 4	Yes	Yes	No
	Zook, frequently flooded, channel ed	5	Yes	flood plains	4, 2, 3	Yes	Yes	Yes
1485: Spillville loam, channel ed, 0 to 2 percent slopes	Spillville, channel ed, very frequently flooded	5	Yes	flood plains	4	No	Yes	No
	Zook, frequently flooded, channel ed	5	Yes	flood plains	2, 3, 4	Yes	Yes	Yes
1595: Harpster silt loam, 0 to 2 percent slopes	Harpster	95	Yes	flats	2	Yes	No	No
	Wacousta	5	Yes	ground moraines	3, 2	Yes	No	Yes

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.