

Hydric Soil List - All Components

This table lists the map unit components and their hydric status in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 2002).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

The criteria for hydric soils are represented by codes in the table (for example, 2). Definitions for the codes are as follows:

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. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
 - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
 - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;

Hydric Condition: Food Security Act information regarding the ability to grow a commodity crop without removing woody vegetation or manipulating hydrology.

References:

- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
Federal Register. Doc. 2012-4733 Filed 2-28-12. February, 28, 2012. Hydric soils of the United States.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.
- Vasilas, L.M., G.W. Hurt, and C.V. Noble, editors. Version 7.0, 2010. Field indicators of hydric soils in the United States.

Report—Hydric Soil List - All Components

Hydric Soil List - All Components—MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
17: Minneopa sandy loam, 0 to 3 percent slopes	Minneopa	90	Terraces	No	—
	Comfrey	5	Flood plains	Yes	2
	Alluvial land	5	Flood plains	Yes	2
18: Comfrey clay loam	Comfrey-Occasionally flooded	90	Flood plains	Yes	2
	Chaska	5	Flood plains	Yes	2
	Calco	5	Flood plains	Yes	2
27: Dickinson fine sandy loam, 0 to 2 percent slopes	Dickinson	90	Outwash deltas	No	—
	Wadena	5	Outwash deltas	No	—
	Darfur	3	Drainageways	Yes	2
	Litchfield	2	Outwash deltas	No	—
27B: Dickinson fine sandy loam, 2 to 6 percent slopes	Dickinson	90	Outwash deltas	No	—
	Wadena	5	Outwash deltas	No	—
	Darfur	3	Drainageways	Yes	2
	Litchfield	2	Outwash deltas	No	—
35: Blue Earth mucky silt loam	Blue Earth	85	Depressions on relict lakebeds	Yes	2,3
	Canisteo	10	Rims	Yes	2
	Glencoe	5	Depressions	Yes	2,3
39: Wadena loam, 0 to 2 percent slopes	Wadena	90	Terraces	No	—
	Darfur	5	Drainageways	Yes	2
	Estherville	5	Terraces	No	—
39B: Wadena loam, 2 to 6 percent slopes	Wadena	90	Terraces	No	—
	Estherville	5	Terraces	No	—
	Darfur	5	Drainageways	Yes	2
41: Estherville sandy loam, 0 to 2 percent slopes	Estherville	90	Terraces	No	—
	Wadena	5	Terraces	No	—
	Darfur	3	Flats	Yes	2
	Dickenson	2	Terraces	No	—
41B: Estherville sandy loam, 2 to 6 percent slopes	Estherville	90	Terraces	No	—
	Wadena	5	Terraces	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Darfur	3	Terraces	Yes	2
	Dickenson	2	Terraces	No	—
41C: Estherville sandy loam, 6 to 18 percent slopes	Estherville	90	Terraces	No	—
	Wadena	5	Terraces	No	—
	Dickenson	5	Terraces	No	—
62: Barrington silt loam, 1 to 3 percent slopes	Barrington	90	Rises on lake plains	No	—
	Madelia	5	Flats	Yes	2
	Grays	5	Lake plains	No	—
69: Fedji loamy fine sand, 1 to 3 percent slopes	Fedji	90	Outwash plains	No	—
	Litchfield	5	Outwash plains	No	—
	Darfur	5	Drainageways	Yes	2
69B: Fedji loamy fine sand, 3 to 8 percent slopes	Fedji	90	Outwash plains	No	—
	Dickinson	5	Deltas	No	—
	Litchfield	3	Deltas	No	—
	Darfur	2	Drainageways	Yes	2
84: Brownnton silty clay loam	Brownnton	90	Rims on depressions, flats on moraines	Yes	2
	Marna	5	Lake plains	Yes	2
	Lura	3	Depressions	Yes	2,3
	Guckeen	2	Lake plains	No	—
85: Calco silty clay loam	Calco-Occasionally flooded	90	Flood plains	Yes	2
	Comfrey	10	Flood plains	Yes	2
86: Canisteo silty clay loam	Canisteo	90	Rims on depressions, flats on moraines	Yes	2
	Glencoe	5	Depressions	Yes	2,3
	Webster	3	Flats	Yes	2
	Nicollet	2	Rises	No	—
94: Terril loam, 0 to 2 percent slopes	Terril	90	Hills on moraines	No	—
	Hamel	4	Drainageways	Yes	2
	Webster	2	Drainageways	Yes	2
	Nicollet	2	Rises	No	—
	Le Sueur	2	Rises	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
94B: Terril loam, 2 to 6 percent slopes	Terril	90	Hills on moraines	No	—
	Hamel	4	Drainageways	Yes	2
	Webster	2	Drainageways	Yes	2
	Nicollet	2	Rises	No	—
	Le Sueur	2	Rises	No	—
94C: Terril loam, 6 to 15 percent slopes	Terril	90	Hills on moraines	No	—
	Hamel	5	Drainageways	Yes	2
	Le Sueur	2	Rises	No	—
	Webster	2	Drainageways	Yes	2
	Nicollet	1	Rises	No	—
96: Collinwood silty clay loam, 1 to 3 percent slopes	Collinwood	90	Rises on lake plains	No	—
	Lura	5	Depressions	Yes	2,3
	Barbert	3	Depressions	Yes	2,3
	Waldorf	2	Lake plains	Yes	2
	Nicollet	1	Rises	No	—
96B: Collinwood silty clay loam, 2 to 6 percent slopes	Collinwood	90	Hills on lake plains	No	—
	Waldorf	10	Lake plains	Yes	2
96C: Collinwood silty clay loam, 6 to 12 percent slopes	Collinwood	90	Hills on lake plains	No	—
	Waldorf	10	Lake plains	Yes	2
96D: Collinwood silty clay loam, 12 to 18 percent slopes	Collinwood	90	Hills on lake plains	No	—
	Bold	5	Lake plains	No	—
	Truman	5	Lake plains	No	—
100: Copaston loam, 1 to 4 percent slopes	Copaston	90	Terraces	No	—
	Joliet	10	Swales	Yes	2
101B: Truman silt loam, 2 to 6 percent slopes	Truman	80-95	Ground moraines,lake plains,rises	No	—
	Crooksford	3-10	Ground moraines,lake plains	No	—
	Kingston	1-6	Ground moraines,lake plains,rises	No	—
	Madelia	1-4	Flats,ground moraines,lake plains	Yes	2
101C: Truman silt loam, 6 to 12 percent slopes	Truman	90	Hills on lake plains	No	—
	Madelia	5	Drainageways	Yes	2

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Kingston	5	Lake plains	No	—
102B: Clarion loam, 2 to 6 percent slopes	Clarion	70-95	Ground moraines	No	—
	Nicollet	2-10	Ground moraines	No	—
	Webster	1-10	Ground moraines	Yes	2
	Storden	2-10	Ground moraines	No	—
102C: Clarion loam, 6 to 10 percent slopes	Clarion	70-95	Ground moraines	No	—
	Storden	5-20	Ground moraines	No	—
	Nicollet	0-10	Ground moraines	No	—
102D: Clarion loam, 12 to 18 percent slopes	Clarion	90	Hills on moraines	No	—
	Nicollet	3	Flats	No	—
	Webster	3	Drainageways	Yes	2
	Glencoe	2	Depressions	Yes	2
	Terril	2	Till plains	No	—
105B: Kamrar silty clay, 2 to 6 percent slopes	Kamrar	90	Hills on moraines	No	—
	Marna	5	Drainageways	Yes	2
	Guckeen	5	Moraines	No	—
105C: Kamrar silty clay, 6 to 12 percent slopes	Kamrar	90	Hills on moraines	No	—
	Guckeen	5	Moraines	No	—
	Marna	5	Drainageways	Yes	2
105D: Kamrar silty clay, 12 to 18 percent slopes	Kamrar	90	Hills on moraines	No	—
	Terril	5	Moraines	No	—
	Storden	5	Moraines	No	—
106B: Lester loam, 2 to 6 percent slopes	Lester	65-90	Ground moraines,ground moraines	No	—
	Le Sueur	5-15	Ground moraines	No	—
	Cordova	2-10	Ground moraines	Yes	2
	Webster	3-10	Depressions	Yes	2
106C: Lester loam, 6 to 10 percent slopes	Lester	65-90	Ground moraines,ground moraines	No	—
	Le Sueur	5-15	Ground moraines	No	—
	Webster	3-10	Depressions	Yes	2
	Storden	1-5	Ground moraines	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Lester	1-5	Ground moraines,ground moraines	No	—
106D: Lester loam, 10 to 16 percent slopes	Lester	75-90	Ground moraines,ground moraines	No	—
	Lester	5-15	Ground moraines,ground moraines	No	—
	Storden	3-5	Ground moraines	No	—
	Hamel	2-5	Ground moraines	Yes	2
106E: Lester loam, 16 to 22 percent slopes	Lester	75-90	Ground moraines,ground moraines	No	—
	Storden	5-15	Ground moraines	No	—
	Lester	3-5	Ground moraines,ground moraines	No	—
	Terril	2-5	Ground moraines	No	—
109: Cordova clay loam	Cordova	90	Flats on moraines	Yes	2
	Glencoe	5	Depressions	Yes	2,3
	Rolfe	3	Depressions	Yes	2,3
	Canisteo	2	Rims	Yes	2
110: Marna silty clay loam	Marna	90	Flats on lake plains	Yes	2
	Lura	10	Depressions	Yes	2,3
113: Webster clay loam, 0 to 2 percent slopes	Webster	75-95	Ground moraines	Yes	2
	Okoboji	2-10	Depressions	Yes	2
	Nicollet	0-5	Ground moraines	No	—
	Glencoe	0-5	Depressions	Yes	2
	Canisteo	0-5	Ground moraines	Yes	2
114: Glencoe silty clay loam	Glencoe	85	Depressions on moraines	Yes	2,3
	Canisteo	10	Rims	Yes	2
	Webster	5	Flats	Yes	2
128: Grogan silt loam, 1 to 3 percent slopes	Grogan	90	Rises on outwash deltas	No	—
	Litchfield	4	Rises	No	—
	Nicollet	3	Rises	No	—
	Madelia	3	Drainageways	Yes	2
128B: Grogan silt loam, 3 to 6 percent slopes	Grogan	90	Hills on outwash deltas	No	—
	Litchfield	4	Rises	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Nicollet	3	Rises	No	—
	Madelia	3	Drainageways	Yes	2
134: Okoboji silty clay loam	Okoboji	85	Depressions on lake plains	Yes	2,3
	Madelia	10	Flats	Yes	2
	Lura	5	Depressions	Yes	2,3
136: Madelia silty clay loam, 0 to 2 percent slopes	Madelia	75-95	Ground moraines,lake plains,flats	Yes	2
	Kingston	3-10	Rises,ground moraines,lake plains	No	—
	Spicer	1-9	Ground moraines,lake plains,flats	Yes	2
	Chetomba	1-6	Lake plains,ground moraines	Yes	2
138B2: Lerdal silty clay loam, 2 to 6 percent slopes, eroded	Lerdal-Eroded	90	Hills on moraines	No	—
	Kilkenny	4	Moraines	No	—
	Minnetonka	3	Drainageways	Yes	2
	Glencoe	3	Depressions	Yes	2,3
138C2: Lerdal silty clay loam, 6 to 15 percent slopes, eroded	Lerdal-Eroded	90	Hills on moraines	No	—
	Kilkenny	4	Moraines	No	—
	Glencoe	3	Depressions	Yes	2,3
	Minnetonka	3	Drainageways	Yes	2
140: Spicer silty clay loam	Spicer	90	Flats on lake plains	Yes	2
	Madelia	5	Flats	Yes	2
	Okoboji	5	Depressions	Yes	2,3
160: Fieldon loam	Fieldon	90	Flats on outwash plains	Yes	2
	Darfur	5	Flats	Yes	2
	Dassel	5	Depressions	Yes	2,3
178: Granby fine sandy loam	Granby	90	Flats on outwash plains	Yes	2,3
	Darfur	4	Flats	Yes	2
	Fieldon	3	Flats	Yes	2
	Dassel	3	Depressions	Yes	2,3
181: Litchfield loamy fine sand, 1 to 3 percent slopes	Litchfield	90	Outwash plains	No	—
	Darfur	4	Flats	Yes	2

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Estherville	3	Outwash plains	No	—
	Dickinson	3	Outwash plains	No	—
183: Dassel loam	Dassel	85	Depressions on outwash plains	Yes	2,3
	Darfur	10	Flats	Yes	2
	Fieldon	5	Flats	Yes	2
196: Joliet silty clay loam	Joliet	90	Terraces	Yes	2
	Tilfer	10	Depressions	Yes	2,3
197: Kingston silty clay loam, 1 to 3 percent slopes	Kingston	80-95	Rises,ground moraines,lake plains	No	—
	Madelia	3-10	Lake plains,ground moraines,flats	Yes	2
	Truman	1-6	Ground moraines,lake plains,rises	No	—
	Crooksford	1-4	Ground moraines,lake plains	No	—
211: Lura silty clay	Lura	85	Depressions on lake plains	Yes	2,3
	Marna	5	Flats	Yes	2
	Minnetonka	5	Flats	Yes	2
	Barbert	5	Depressions	Yes	2,3
219: Rolfe silt loam	Rolfe	85	Depressions on till plains	Yes	2,3
	Glencoe	5	Depressions	Yes	2,3
	Minnetonka	5	Flats	Yes	2
	Cordova	5	Flats	Yes	2
222B: Lasa fine sand, 2 to 8 percent slopes	Lasa	90	Outwash deltas	No	—
	Dassel	10	Depressions	Yes	2,3
229: Waldorf silty clay loam	Waldorf	90	Flats on lake plains	Yes	2
	Collinwood	4	Lake plains	No	—
	Guckeen	3	Lake plains	No	—
	Kingston	3	Lake plains	No	—
230: Guckeen silty clay loam, 1 to 4 percent slopes	Guckeen	90	Rises on lake plains	No	—
	Marna	5	Drainageways	Yes	2
	Kamrar	5	Lake plains	No	—
238B: Kilkenny clay loam, 2 to 6 percent slopes	Kilkenny	90	Hills on moraines	No	—
	Mazaska	5	Drainageways	Yes	2

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Lerdal	5	Moraines	No	—
238C: Kilkenny clay loam, 6 to 12 percent slopes	Kilkenny	90	Hills on moraines	No	—
	Lerdal	4	Moraines	No	—
	Derrynane	3	Drainageways	Yes	2
	Terril	3	Moraines	No	—
238D: Kilkenny clay loam, 12 to 18 percent slopes	Kilkenny	90	Hills on moraines	No	—
	Lerdal	4	Moraines	No	—
	Derrynane	3	Drainageways	Yes	2
	Terril	3	Moraines	No	—
239: Le Sueur clay loam, 1 to 3 percent slopes	Le Sueur	90	Rises on moraines	No	—
	Lester	5	Moraines	No	—
	Cordova	5	Drainageways	Yes	2
248: Lomax loam, 1 to 3 percent slopes	Lomax	90	Flood plains	No	—
	Minneopa	4	Terraces	No	—
	Dorchester	4	Flood plains	No	—
	Comfrey	2	Flood plains	Yes	2
259B: Grays silt loam, 2 to 8 percent slopes	Grays	90	Hills on lake plains	No	—
	Madelia	5	Drainageways	Yes	2
	Barrington	5	Lake plains	No	—
275B: Ocheyedon loam, 2 to 8 percent slopes	Ocheyedon	90	Lake plains	No	—
	Clarion	4	Moraines	No	—
	Webster	3	Flats	Yes	2
	Nicollet	3	Moraines	No	—
281: Darfur loam	Darfur	90	Flats on outwash plains	Yes	2
	Fieldon	4	Flats	Yes	2
	Dassel	3	Depressions	Yes	2,3
	Granby	3	Flats	Yes	2
286: Shorewood silty clay loam, 1 to 6 percent slopes	Shorewood	90	Rises on lake plains	No	—
	Guckeen	5	Lake plains	No	—
	Minnetonka	5	Flats	Yes	2
287: Minnetonka silty clay loam	Minnetonka	90	Flats on lake plains	Yes	2
	Shorewood	4	Lake plains	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Lura	3	Depressions	Yes	2,3
	Barbert	3	Depressions	Yes	2,3
310: Beauford clay	Beauford	90	Flats on lake plains	Yes	2
	Lura	4	Depressions	Yes	2,3
	Guckeen	3	Lake plains	No	—
	Barbert	3	Depressions	Yes	2,3
311: Shorewood silty clay, 1 to 6 percent slopes	Shorewood	90	Rises on lake plains	No	—
	Lura	4	Depressions	Yes	2,3
	Beauford	3	Flats	Yes	2
	Barbert	3	Depressions	Yes	2,3
316: Baroda silty clay loam	Baroda	90	Flats on lake plains	Yes	2
	Lura	4	Depressions	Yes	2,3
	Shorewood	3	Lake plains	No	—
	Barbert	3	Depressions	Yes	2,3
317: Oshawa silt loam	Oshawa-Frequently flooded	85	Flood plains	Yes	2,3,4
	Chaska	10	Terraces	Yes	—
	Palms	5	Depressions	Yes	1,3
319: Barbert silt loam	Barbert	85	Depressions on lake plains	Yes	2,3
	Lura	10	Depressions	Yes	2,3
	Minnetonka	5	Flats	Yes	2
321: Tilfer silty clay loam	Tilfer	90	Flats on benches	Yes	2
	Joliet	10	Outwash plains	Yes	2
329: Chaska loam	Chaska-Occasionally flooded	90	Flood plains	No	—
	Dorchester	5	Flood plains	No	—
	Oshawa	5	Depressions	Yes	2,3,4
349: Calco silty clay loam, very wet	Calco-Frequently flooded	90	Flood plains	Yes	2
	Minneopa	10	Flood plains	No	—
353: Comfrey clay loam, frequently flooded	Comfrey-Frequently flooded	90	Flood plains	Yes	2,4
	Oshawa	4	Depressions	Yes	2,3,4
	Caron	3	Depressions	Yes	1,3,4
	Chaska	3	Terraces	Yes	2

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
354: Dorchester loam, occasionally flooded	Dorchester-Occasionally flooded	90	Flood plains	No	—
	Comfrey	5	Flood plains	Yes	2
	Chaska	5	Terraces	Yes	2
360B: Lasa loamy fine sand, rock substratum, 1 to 6 percent slopes	Lasa-Rock substratum	90	Outwash deltas	No	—
	Joliet	10	Outwash plains	Yes	2
360E: Lasa loamy fine sand, rock substratum, 12 to 35 percent slopes	Lasa-Rock substratum	90	Outwash deltas	No	—
	Terril	10	Outwash deltas	No	—
363: Minneopa loamy fine sand, occasionally flooded, 0 to 3 percent slopes	Minneopa-Occasionally flooded	90	Terraces	No	—
	Comfrey	10	Flood plains	Yes	2
364: Minnetonka silty clay loam, silty substratum	Minnetonka-Silty substratum	90	Flats on lake plains	Yes	2
	Shorewood	4	Rises	No	—
	Lura	3	Depressions	Yes	2,3
	Barbert	3	Depressions	Yes	2,3
414: Hamel clay loam, 1 to 4 percent slopes	Hamel	90	Drainageways on moraines	Yes	2
	Glencoe	10	Depressions	Yes	2
440: Copaston loam, very shallow, 1 to 4 percent slopes	Copaston-Very shallow	90	Terraces	No	—
	Joliet	10	Swales	Yes	2
448: Shorewood silty clay loam, 1 to 3 percent slopes	Shorewood	70-100	Ground moraines,lake plains	No	—
	Minnetonka-Drained	0-20	Depressions,lake plains	Yes	2
	Good Thunder	0-10	Lake plains,ground moraines	No	—
451: Dorchester loam, 1 to 3 percent slopes	Dorchester-Rarely flooded	90	Terraces	No	—
	Comfrey	5	Flood plains	Yes	2
	Lomax	5	Flood plains	No	—
524: Caron muck	Caron	85	Depressions on moraines	Yes	1,3
	Palms	15	Depressions	Yes	1,3
525: Muskego soils, 0 to 1 percent slopes	Muskego-Drained	15-85	Depressions	Yes	1
	Muskego-Ponded	15-85	Depressions	Yes	1,3

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Klossner-Drained	3-15	Depressions	Yes	1
	Glencoe	2-10	Depressions	Yes	2
	Canisteo	0-5	Ground moraines	Yes	2
539: Klossner muck, lake plain, depression, 0 to 1 percent slopes	Klossner	75-95	Depressions	Yes	1
	Lura	5-15	Depressions	Yes	2,3
	Brownnton	0-10	Flats	Yes	2
548: Palms muck, sandy substratum	Palms-Sandy substratum	85	Depressions on outwash plains	Yes	1,3
	Dassel	15	Depressions	Yes	2,3
851: Chaska-Urban land complex	Chaska-Rarely flooded	50	Flood plains	No	—
	Urban land-Rarely flooded	30	Flood plains	Unranked	—
	Oshawa	10	Depressions	Yes	2,3,4
	Dorchester	10	Flood plains	No	—
852: Copaston-Urban land complex, 1 to 4 percent slopes	Copaston	50	Terraces	No	—
	Urban land	40	Terraces	Unranked	—
	Joliet	10	Swales	Yes	2
853: Copaston-Urban land bouldery complex, 1 to 4 percent slopes	Copaston	50	Terraces	No	—
	Urban land	40	Terraces	Unranked	—
	Joliet	10	Swales	Yes	2
854: Cordova-Urban land complex, 0 to 3 percent slopes	Cordova	50	Drainageways on moraines	Yes	2
	Urban land	30	Moraines	Unranked	—
	Glencoe	10	Depressions	Yes	2,3
	Le Sueur	5	Moraines	No	—
	Rolfe	5	Depressions	Yes	2,3
855: Dorchester-Urban land complex, 1 to 3 percent slopes	Dorchester-Rarely flooded	50	Flood plains	No	—
	Urban land-Rarely flooded	30	Flood plains	Unranked	—
	Comfrey	10	Flood plains	Yes	2
	Lomax	10	Flood plains	No	—
856B: Terril-Urban land complex, 2 to 6 percent slopes	Terril	50	Moraines	No	—
	Urban land	30	Moraines	Unranked	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Hamel	10	Drainageways	Yes	2
	Le Sueur	5	Moraines	No	—
	Lester	5	Moraines	No	—
856C: Terril-Urban land complex, 6 to 15 percent slopes	Terril	50	Moraines	No	—
	Urban land	30	Moraines	Unranked	—
	Hamel	10	Drainageways	Yes	2
	Lester	5	Moraines	No	—
	Le Sueur	5	Moraines	No	—
909C: Bold-Truman silt loams, 6 to 12 percent slopes	Bold	50	Hills on lake plains	No	—
	Truman	40	Hills on lake plains	No	—
	Madelia	5	Drainageways	Yes	2
	Kingston	5	Lake plains	No	—
909D: Bold-Truman silt loams, 12 to 18 percent slopes	Bold	60	Hills on lake plains	No	—
	Truman	30	Hills on lake plains	No	—
	Madelia	5	Drainageways	Yes	2
	Kingston	5	Lake plains	No	—
919: Canisteo-Fieldon loams	Canisteo	65	Flats on moraines	Yes	2
	Fieldon	25	Flats on moraines	Yes	2
	Nicollet	3	Rises	No	—
	Webster	3	Flats	Yes	2
	Darfur	2	Flats	Yes	2
	Litchfield	2	Outwash deltas	No	—
920B: Clarion-Estherville complex, 2 to 6 percent slopes	Clarion	65	Hills on moraines	No	—
	Estherville	25	Hills on moraines	No	—
	Nicollet	4	Moraines	No	—
	Webster	3	Drainageways	Yes	2
	Glencoe	3	Depressions	Yes	2,3
920C: Clarion-Estherville complex, 6 to 12 percent slopes	Clarion	50	Hills on moraines	No	—
	Estherville	30	Hills on moraines	No	—
	Nicollet	10	Moraines	No	—
	Webster	4	Drainageways	Yes	2
	Glencoe	3	Depressions	Yes	2,3
	Terril	3	Till plains	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
920D: Clarion-Estherville complex, 12 to 20 percent slopes	Clarion	55	Hills on moraines	No	—
	Estherville	25	Hills on moraines	No	—
	Webster	5	Drainageways	Yes	2
	Glencoe	5	Depressions	Yes	2,3
	Nicollet	5	Moraines	No	—
	Terril	5	Moraines	No	—
921C: Clarion-Storden loams, 6 to 12 percent slopes	Clarion	55	Hills on moraines	No	—
	Storden	35	Hills on moraines	No	—
	Nicollet	4	Flats	No	—
	Terril	2	Till plains	No	—
	Webster	2	Drainageways	Yes	2
	Glencoe	2	Depressions	Yes	2
921D: Clarion-Storden loams, 12 to 18 percent slopes	Clarion	55	Hills on moraines	No	—
	Storden	35	Hills on moraines	No	—
	Nicollet	4	Flats	No	—
	Terril	2	Till plains	No	—
	Glencoe	2	Depressions	Yes	2
	Webster	2	Drainageways	Yes	2
923: Copaston-Rock outcrop complex, 1 to 4 percent slopes	Copaston	55	Terraces	No	—
	Rock outcrop	35	Terraces	Unranked	—
	Joliet	5	Swales	Yes	2
	Tilfer	5	Swales	Yes	2,3
926: Darfur-Webster loams	Darfur	65	Flats on outwash plains	Yes	2
	Webster	25	Outwash plains, flats	Yes	2
	Dassel	5	Depressions	Yes	2,3
	Litchfield	3	Outwash deltas	No	—
	Glencoe	2	Depressions	Yes	2,3
	929: Fieldon-Canisteo loams	Fieldon	65	Flats on outwash plains	Yes
Canisteo		25	Flats on outwash plains	Yes	2
Dassel		5	Depressions	Yes	2,3
Litchfield		3	Outwash deltas	No	—
Glencoe		2	Depressions	Yes	2,3

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
932: Glencoe-Dassel loams	Glencoe	65	Depressions on moraines	Yes	2,3
	Dassel	25	Depressions on moraines	Yes	2,3
	Fieldon	4	Flats	Yes	2
	Webster	3	Flats	Yes	2
	Darfur	3	Flats	Yes	2
941: Kingston-Nicollet complex, 1 to 3 percent slopes	Kingston	55	Rises on lake plains	No	—
	Nicollet	35	Rises on lake plains	No	—
	Madelia	5	Flats	Yes	2
	Webster	5	Flats	Yes	2
946: Litchfield-Nicollet complex, 1 to 3 percent slopes	Litchfield	55	Outwash deltas	No	—
	Nicollet	35	Outwash deltas	No	—
	Granby	4	Swales	Yes	2
	Darfur	3	Flats	Yes	2
	Webster	3	Flats	Yes	2
947: Madelia-Webster silty clay loams	Madelia	55	Flats on lake plains	Yes	2
	Webster	35	Flats on lake plains	Yes	2
	Kingston	4	Lake plains	No	—
	Glencoe	3	Depressions	Yes	2,3
	Okoboji	3	Depressions	Yes	2,3
960E: Storden-Clarion loams, 18 to 24 percent slopes	Storden	50	Hills on moraines	No	—
	Clarion	40	Hills on moraines	No	—
	Terril	5	Till plains	No	—
	Glencoe	3	Depressions	Yes	2,3
	Webster	2	Drainageways	Yes	2
961: Storden complex, very steep	Storden	70	Hills on moraines	No	—
	Lester	25	Hills on moraines	No	—
	Rock outcrop	5	—	Unranked	—
961F: Storden complex, 24 to 45 percent slopes	Storden	65	Hills on moraines	No	—
	Lester	30	Hills on moraines	No	—
	Terril	3	Till plains	No	—
	Estherville	1	Terraces	No	—
	Dickinson	1	Outwash plains	No	—

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
968: Webster-Darfur-Granby complex	Webster	55	Flats on moraines	Yes	2
	Darfur	20	Flats on moraines	Yes	2
	Granby	15	Flats on outwash plains	Yes	2,3
	Litchfield	5	Outwash deltas	No	—
	Nicollet	5	Moraines	No	—
978: Cordova-Rolfe complex	Cordova	60	Flats on moraines	Yes	2
	Rolfe	30	Depressions on moraines	Yes	2,3
	Glencoe	5	Depressions	Yes	2,3
	Le Sueur	5	Moraines	No	—
992: Rock outcrop-Copaston complex, very steep	Rock outcrop	60	Terraces,escarpments	Unranked	—
	Copaston	30	Escarpments,terraces	No	—
	Terril	10	Till plains	No	—
996: Beauford-Barbert complex	Beauford	60	Flats on lake plains	Yes	2
	Barbert	30	Depressions on lake plains	Yes	2,3
	Lura	5	Depressions	Yes	2,3
	Waldorf	3	Flats	Yes	2
	Marna	2	Depressions	Yes	2
997: Marna-Barbert complex	Marna	60	Flats on lake plains	Yes	2
	Barbert	30	Depressions on lake plains	Yes	2,3
	Lura	10	Depressions	Yes	2,3
998: Minnetonka-Barbert complex	Minnetonka	60	Flats on lake plains	Yes	2
	Barbert	30	Depressions on lake plains	Yes	2,3
	Marna	4	Depressions	Yes	2
	Shorewood	3	Rises	No	—
	Lura	3	Depressions	Yes	2,3
1001: Alluvial land, occasionally flooded	Alluvial land-Occasionally flooded	90	Flood plains	Yes	2
	Comfrey	10	Flood plains	Yes	2
1002: Alluvial land, frequently flooded	Alluvial land-Frequently flooded	90	Flood plains	Yes	2,4
	Comfrey	10	Flood plains	Yes	2

Hydric Soil List - All Components--MN013-Blue Earth County, Minnesota					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
1004: Alluvial land, gently sloping	Alluvial land-Rarely flooded	90	Rises on flood plains	No	—
	Comfrey	10	Flood plains	Yes	2
1007: Alluvial-Urban land complex	Alluvial-Rarely flooded	50	Flood plains	Unranked	—
	Urban land-Rarely flooded	30	Flood plains	Unranked	—
	Comfrey	10	Flood plains	Yes	2
	Oshawa	10	Flood plains	Yes	2,3
1032: Lake beaches	Beaches-Lake	100	Beaches on moraines	Yes	2
1039: Urban land, 0 to 2 percent slopes	Urban land	100	Moraines	Unranked	—
1053: Marsh	Marsh	90	Depressions on moraines	Yes	1,3
	Canisteo	10	Rims	Yes	2
1800: Caron mucky peat	Caron	85	Depressions on terraces	Yes	1,3
	Tilfer	15	Depressions	Yes	2,3
1801B: Grogan loamy fine sand, 2 to 6 percent slopes	Grogan	90	Deltas	No	—
	Dassel	10	Depressions	Yes	2,3
I-W: Intermittent water	Water-Intermittent	100	—	—	—
L13A: Klossner muck, 0 to 1 percent slopes	Klossner-Drained	85-95	Depressions	Yes	1
	Canisteo	0-10	Ground moraines	Yes	2
	Okoboji	0-10	Depressions	Yes	2
L84A: Glencoe clay loam, depressional, 0 to 1 percent slopes	Glencoe-Depressional	75-100	Depressions on moraines	Yes	2,3
	Very poorly drained muck	0-15	Depressions on moraines	Yes	2
	Canisteo	0-10	Flats on moraines,rims on depressions on moraines	Yes	2
	Harps	0-15	Rims on depressions	Yes	2
L85A: Nicollet clay loam, 1 to 3 percent slopes	Nicollet	75-95	Ground moraines	No	—
	Webster	2-10	Ground moraines	Yes	2
	Okoboji	2-10	Depressions	Yes	2
	Clarion	1-5	Ground moraines	No	—
W: Water	Water	100	—	—	—

Data Source Information

Soil Survey Area: Blue Earth County, Minnesota
Survey Area Data: Version 12, Sep 16, 2014