

## 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.  
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- 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—OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AaB: Aaron silt loam, 2 to 6 percent slopes	Aaron	85	Hills	No	—
	Keene	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	silty clay loam surface layer		—	—	—
AeC: Allegheny variant loam, 8 to 15 percent slopes	Allegheny Variant	90	Benches on terraces, coves on terraces	No	—
	severely eroded soils	10	—	—	—
As: Ashton silt loam, occasionally flooded	Ashton	90	Alluvial fans, terraces	No	—
	gently sloping areas	5	—	—	—
	Somewhat poorly drained soils	5	—	—	—
BaB: Barkcamp gravelly sandy loam, 0 to 8 percent slopes	Barkcamp	85	Benches, ridges	No	—
	finer textured soils	5	—	—	—
	poorly drained soils	5	Depressions	Yes	3
	very bouldery soils	5	—	—	—
BaD: Barkcamp gravelly sandy loam, 8 to 40 percent slopes	Barkcamp	85	Hillsides, ridges	No	—
	poorly drained soils	5	Depressions	Yes	3
	Bethesda	4	Hills	—	—
	very bouldery soils	3	—	—	—
	finer textured soils	3	—	—	—
BaF: Barkcamp very stony sandy loam, 40 to 70 percent slopes	Barkcamp	85	Ridges	No	—
	Bethesda	10	Hills	—	—
	poorly drained soils	5	Depressions	Yes	3
BbB: Barkcamp very flaggy sandy loam, 0 to 8 percent slopes, very stony	Barkcamp	85	Hills	No	—
	Bethesda	10	Hills	—	—
	poorly drained soils	5	Closed depressions	Yes	2,3
	boulders on the surface		—	—	—

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BbD: Barkcamp very flaggy sandy loam, 8 to 40 percent slopes, very stony	Barkcamp	85	Hills	No	—
	Bethesda	10	Hills	—	—
	poorly drained soils	5	Closed depressions	Yes	2,3
	boulders on the surface		—	—	—
BcB: Barkcamp clay loam, 0 to 8 percent slopes	Barkcamp	90	Benches,ridges	No	—
	severely eroded soils	10	—	—	—
BcD: Barkcamp clay loam, 8 to 25 percent slopes	Barkcamp	85	Hills,ridges	No	—
	severely eroded soils	10	—	—	—
	silt loam or loam surface	5	—	—	—
BeB: Bethesda silt loam, 0 to 8 percent slopes	Bethesda	85	Ridges	No	—
	deep reclamation	5	—	—	—
	severely eroded soils	5	—	—	—
	channery surface	5	—	—	—
BeD: Bethesda silt loam, 8 to 25 percent slopes	Bethesda	85	Hills,ridges	No	—
	deep reclamation	5	—	—	—
	severely eroded soils	5	—	—	—
	channery surface	5	—	—	—
BfB: Bethesda channery loam, 0 to 8 percent slopes	Bethesda	90	Hills	No	—
	Barkcamp	5	Hills	—	—
	poorly drained soils	5	Hills,closed depressions	Yes	2,3
	less acid soils		—	—	—
BfD: Bethesda channery loam, 8 to 25 percent slopes	Bethesda	90	Hills	No	—
	poorly drained soils	5	Hills,closed depressions	Yes	2,3
	Barkcamp	5	Hills	—	—
	less acid soils		—	—	—
BfF: Bethesda channery loam, 25 to 70 percent slopes	Bethesda	90	Hills	No	—
	poorly drained soils	5	Hills,closed depressions	Yes	2,3
	Barkcamp	5	Hills	—	—
	less acid soils		—	—	—

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BgB: Bethesda channery silty clay loam, 0 to 8 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	10	—	Yes	2,3
	ultra acid soils	3	—	—	—
	high concentration of salts in the surface layer	2	—	—	—
BgD: Bethesda channery silty clay loam, 8 to 25 percent slopes	Bethesda	85	Hills	No	—
	slopes of 25 to 40 percent	5	—	—	—
	ultra acid soils; soluble salts on surface in some places	5	—	—	—
	poorly drained soils	5	Drainageways,hills	Yes	2,3
	moderately acid to neutral in the substratum		—	—	—
	very channery silty clay loam surface layer		—	—	—
BgF: Bethesda channery silty clay loam, 25 to 70 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	highwalls	3	—	—	—
	slopes of 6 to 25 percent	2	—	—	—
BhB: Bethesda shaly silty clay loam, 0 to 8 percent slopes	Bethesda	85	Benches,flats,ridges	No	—
	poorly drained soils	10	Depressions	Yes	3
	Barkcamp	5	Hills	—	—
BhD: Bethesda shaly silty clay loam, 8 to 25 percent slopes	Bethesda	85	Benches,hills,ridges	No	—
	poorly drained soils	5	Depressions	Yes	3
	Barkcamp	5	Hills	No	—
	extremely stony soils	3	—	No	—
	escarpments	2	—	No	—
BhE: Bethesda shaly silty clay loam, 25 to 40 percent slopes	Bethesda	80	Hills	No	—
	poorly drained soils	10	Depressions	Yes	3
	Barkcamp	5	Hills	No	—
	extremely stony soils	3	—	No	—
	escarpments	2	—	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BhF: Bethesda very cobbly silty clay loam, 40 to 70 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	10	Depressions	Yes	3
	Barkcamp	3	Hills	—	—
	extremely bouldery soils	2	—	—	—
BsC: Brookside silty clay loam, 8 to 15 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
BsD: Brookside silty clay loam, 15 to 25 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
BsE: Brookside silty clay loam, 25 to 40 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
BuB: Brookside-Urban land complex, 3 to 15 percent slopes	Brookside	45	Hills,alluvial fans	No	—
	Urban land	40	—	Unranked	—
	poorly drained soils	10	Draws	Yes	2
	somewhat poorly drained soils	5	—	—	—
BuD: Brookside-Urban land complex, 15 to 40 percent slopes	Brookside	45	Hills	No	—
	Urban land	40	—	Unranked	—
	poorly drained soils	10	Depressions	Yes	2
	somewhat poorly drained soils	5	—	—	—
Cf: Chagrin loam, 0 to 3 percent slopes, occasionally flooded	Chagrin	80-100	Flood plains	No	—
	Lobdell	0-15	Flood plains	No	—
	Orrville	0-15	Flood plains	No	—
	Melvin	0-15	Flood plains	Yes	2
Cg: Chagrin silt loam, 0 to 3 percent slopes, occasionally flooded	Chagrin	80-100	Flood plains	No	—
	Holly	0-15	Flood plains	Yes	2,4
	Lobdell	0-15	Flood plains	No	—
	Newark	0-15	Flood plains	No	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
ChB: Chili gravelly loam, 3 to 8 percent slopes	Chili	85	Terraces	No	—
	Sandy soils	15	—	—	—
CmB: Chili-Urban land complex, 0 to 8 percent slopes	Chili	50	Terraces	No	—
	Urban land	40	—	Unranked	—
	Sandy soils	10	—	—	—
CuB: Culleoka silt loam, 3 to 8 percent slopes	Culleoka	80	Ridges	No	—
	Wellston	5	Hills	—	—
	hard bedrock	5	—	—	—
	Severely eroded soils	5	—	—	—
	Westmoreland	5	Hills	—	—
CuC: Culleoka silt loam, 8 to 15 percent slopes	Culleoka	80	Ridges, knolls	No	—
	Dekalb	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Wellston	5	Hills	—	—
	Hard bedrock	5	—	—	—
DeC: Dekalb channery loam, 6 to 15 percent slopes	Dekalb	85	Hills	No	—
	Gilpin	15	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
DkB: Dekalb loam, 3 to 8 percent slopes	Dekalb	80	Ridges, knolls	No	—
	Culleoka	10	Hills	—	—
	Westmoreland	10	Hills	—	—
DkC: Dekalb loam, 8 to 15 percent slopes	Dekalb	80	Ridges, ridges, knolls	No	—
	Westmoreland	10	Hills	—	—
	Culleoka	10	Hills	—	—
DkD: Dekalb loam, 15 to 25 percent slopes	Dekalb	85	Hills	No	—
	Richland	5	Hills	—	—
	Rock outcrop	3	—	—	—
	Stony soils	3	—	—	—
	Shallow soils	2	—	—	—
	Severely eroded soils	2	—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
DkE: Dekalb loam, 25 to 40 percent slopes	Dekalb	80	Hills	No	—
	Stony soils	10	—	—	—
	Rock outcrop	5	—	—	—
	Richland	5	Hills	—	—
DmF: Dekalb moderately channery loam, 40 to 70 percent slopes	Dekalb	80	Hills	No	—
	Very bouldery soils	10	—	—	—
	Rock outcrop	5	—	—	—
	Richland	5	Hills	—	—
DnC: Dekalb channery loam, 8 to 15 percent slopes	Dekalb	85	Hills	No	—
	Gilpin	10	Hills	—	—
	Westmoreland	5	Hills	—	—
	bedrock at 10 to 20 inches		—	—	—
DnD: Dekalb channery loam, 15 to 25 percent slopes	Dekalb	85	Hills	No	—
	bedrock at 10 to 20 inches	10	—	—	—
	rock outcrop	5	—	Unranked	—
	bedrock at 40 to 60 inches		—	—	—
DnE: Dekalb channery loam, 25 to 40 percent slopes	Dekalb	85	Hills	No	—
	bedrock at 10 to 20 inches	10	—	—	—
	rock outcrop	5	—	Unranked	—
	bedrock at 40 to 60 inches		—	—	—
DoF: Dekalb channery loam, 25 to 70 percent slopes, very stony	Dekalb	85	Hills	No	—
	rock escarpments	15	—	—	—
	bedrock at 40 to 60 inches		—	—	—
	bedrock at 10 to 20 inches		—	—	—
Dp: Dumps	Dumps	100	—	Unranked	—
Ds: Dumps, mine	Dumps	100	—	Unranked	—
DuB: Duncannon-Urban land complex, 0 to 15 percent slopes	Duncannon	55	Terraces	No	—
	Urban land	40	—	Unranked	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Otwell	3	Terraces	—	—
	Moderately steep soils	2	—	—	—
EbB: Elba silty clay loam, 3 to 8 percent slopes	Elba	85	Hills	No	—
	Lowell, moderately wet	15	Hills	—	—
EbC: Elba silty clay loam, 8 to 15 percent slopes	Elba	80	Hills	No	—
	Westmore	10	Hills	—	—
	Lowell, moderately wet	10	Hills	—	—
EbD: Elba silty clay loam, 15 to 25 percent slopes	Elba	80	Hills	No	—
	Brookside	10	Hills	—	—
	Lowell, moderately wet	10	Hills	—	—
EbE: Elba silty clay loam, 25 to 40 percent slopes	Elba	80	Hills	No	—
	Brookside	10	Hills	—	—
	Lowell, moderately wet	10	Hills	—	—
EIB: Elkinsville silt loam, 3 to 8 percent slopes	Elkinsville	95	Terraces	No	—
	Fitchville	5	Terraces,lake plains	—	—
EIC: Elkinsville silt loam, 8 to 15 percent slopes	Elkinsville	75	Terraces	No	—
	Otwell	15	Terraces	—	—
	Severely eroded soils	10	—	—	—
EID: Elkinsville silt loam, 15 to 25 percent slopes	Elkinsville	80	Terraces	No	—
	Otwell	10	Terraces	—	—
	Stony soils	5	—	—	—
	Severely eroded soils	5	—	—	—
FbB: Fairpoint gravelly clay loam, 0 to 8 percent slopes	Fairpoint	80	Hills	No	—
	poorly drained soils	10	Depressions	Yes	3
	Bethesda	10	Hills	—	—
FbD: Fairpoint gravelly clay loam, 8 to 25 percent slopes	Fairpoint	85	Hills	No	—
	Bethesda	10	Hills	—	—
	poorly drained soils	5	Depressions	Yes	3

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FcB: Fairpoint silty clay loam, 0 to 8 percent slopes	Fairpoint	80	Hills	No	—
	Deep reclamation	10	—	No	—
	Channery surface	10	—	No	—
FcD: Fairpoint silty clay loam, 8 to 25 percent slopes	Fairpoint	80	Hills	No	—
	channery soils	10	—	No	—
	Severely eroded soils	5	—	No	—
	Deep reclamation	5	—	No	—
FtA: Fitchville silt loam, 0 to 3 percent slopes	Fitchville	80-90	Terraces	No	—
	Glenford	5-15	Terraces	No	—
	Sebring	0-10	Terraces	Yes	2,3
GbB: Gilpin silt loam, 3 to 8 percent slopes	Gilpin	75-100	Ridges	No	—
	Coolville	0-10	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
	Berks	0-15	Ridges	No	—
GbC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	85	Hills	No	—
	Berks	15	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
GnB: Gilpin silt loam, 2 to 6 percent slopes	Gilpin	85	Hills	No	—
	Coshocton	8	Hills	—	—
	Berks	7	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
	loam surface layer		—	—	—
GnC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	70-100	Ridges	No	—
	Upshur	0-20	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
	Berks	0-15	Ridges	No	—
GpC: Gilpin-Lowell complex, 6 to 15 percent slopes	Gilpin	55	Hills	No	—
	Lowell	30	Hills	No	—
	Berks	15	Hills	—	—
	medium textured soils with bedrock at 40 to 60 inches		—	—	—

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	silty clay loam surface layer		—	—	—
	wetter soils		—	—	—
GpD: Gilpin-Lowell silt loams, 15 to 25 percent slopes	Gilpin	50-60	Hillslopes	No	—
	Lowell	30-40	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
He: Hartshorn silt loam, occasionally flooded	Hartshorn	85	Flood plains	No	—
	Gently sloping soils	5	—	—	—
	Moderately deep soils	5	—	—	—
	Newark variant	5	Flood plains	—	—
KaB: Kanawha loam, 2 to 6 percent slopes	Kanawha	85	Terraces	No	—
	somewhat poorly drained soilss	10	—	—	—
	areas subject to flooding	5	—	—	—
	soils that are channery clay loam		—	—	—
KeB: Keene silt loam, 3 to 8 percent slopes	Keene	80-100	Ridges	No	—
	Gilpin	0-20	Ridges	No	—
LeB: Lowell silt loam, 3 to 8 percent slopes	Lowell	90	Hills	No	—
	Elba	4	Hills	—	—
	Upshur	3	Hills	—	—
	Westmore	3	Hills	—	—
LeC: Lowell silt loam, moderately wet, 8 to 15 percent slopes	Lowell-Moderately wet	80-90	Hills	No	—
	Culleoka	5-20	Hills	No	—
	Claysville	5-20	Hills	No	—
LeD: Lowell silt loam, moderately wet, 15 to 25 percent slopes	Lowell-Moderately wet	80-90	Hills	No	—
	Culleoka	5-20	Hills	No	—
	Guernsey	5-20	Hillslopes	No	—
LeE: Lowell silt loam, 25 to 40 percent slopes	Lowell	85	Hills	No	—
	Brookside	10	Hills	—	—
	Somewhat poorly drained soils	5	—	—	—

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LeF: Lowell silt loam, 40 to 70 percent slopes	Lowell	85	Hills	No	—
	Brookside	15	Hills	—	—
LgC: Lowell silt loam, 6 to 15 percent slopes	Lowell	85	Hills	No	—
	Berks	8	Hills	—	—
	Westmoreland	7	Hills	—	—
	silty clay loam surface layer		—	—	—
	bedrock at 20 to 40 inches		—	—	—
	moderately well drained soils		—	—	—
LoB: Lowell-Westmoreland silt loams, 3 to 8 percent slopes	Lowell-Moderately wet	40-50	Ridges	No	—
	Westmoreland	30-40	Ridges	No	—
	Culleoka	5-15	Ridges	No	—
	Westmore	5-15	Ridges	No	—
LoC: Lowell-Westmoreland silt loams, 8 to 15 percent slopes	Lowell-Moderately wet	45-55	Ridges	No	—
	Westmoreland	30-40	Ridges	No	—
	Culleoka	5-15	Ridges	No	—
	Westmore	0-10	Ridges	No	—
LoD: Lowell-Westmoreland silt loams, 15 to 25 percent slopes	Lowell-Moderately wet	45-55	Hillslopes	No	—
	Westmoreland	25-35	Hillslopes	No	—
	Culleoka	5-15	Hillslopes	No	—
	Guernsey	5-15	Hillslopes	No	—
LoE: Lowell-Westmoreland silt loams, 25 to 35 percent slopes	Lowell	40-50	Hillslopes	No	—
	Westmoreland	25-35	Hillslopes	No	—
	Library	10-20	Hillslopes	No	—
	Culleoka	5-15	Hillslopes	No	—
LoF: Lowell-Westmoreland silt loams, 35 to 70 percent slopes	Lowell	40-50	Hillslopes	No	—
	Westmoreland	25-35	Hillslopes	No	—
	Berks	10-20	Hillslopes	No	—
	Library	5-15	Hillslopes	No	—
LpF: Lowell-Westmoreland silt loams, benched, 30 to 70 percent slopes	Lowell	45	Hills	No	—
	Westmoreland	35	Hills	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Brookside	8	Hills	—	—
	Dekalb	8	Hills	—	—
	Elba	4	Hills	—	—
Md: Melvin silt loam, ponded	Melvin	90	Flood plains	Yes	2,3,4
	Newark	10	Flood plains	No	—
MnB: Morristown clay loam, 0 to 8 percent slopes	Morristown	80	Hills	No	—
	silt loam surface	5	—	No	—
	channery surface	5	—	No	—
	deep reclamation	5	—	No	—
	eroded soils	5	—	No	—
MnD: Morristown clay loam, 8 to 25 percent slopes	Morristown	80	Hills	No	—
	eroded soils	5	—	No	—
	silt loam surface	5	—	No	—
	channery surface	5	—	No	—
	deep reclamation	5	—	No	—
MnE: Morristown clay loam, 25 to 40 percent slopes	Morristown	80	Hills	No	—
	eroded soils	5	—	—	—
	channery surface	5	—	—	—
	Bethesda	5	Hills	—	—
	silt loam surface	5	—	—	—
MoB: Morristown stony clay loam, 0 to 8 percent slopes	Morristown	90	Hills	No	—
	poorly drained soils	5	Depressions	Yes	3
	Bethesda	3	Hills	—	—
	Barkcamp	2	Hills	—	—
MoD: Morristown stony clay loam, 8 to 25 percent slopes	Morristown	90	Hills	No	—
	poorly drained soils	5	Depressions	Yes	3
	Bethesda	3	Hills	—	—
	Barkcamp	2	Hills	—	—
MoE: Morristown stony clay loam, 25 to 40 percent slopes	Morristown	85	Hills	No	—
	poorly drained soils	5	Depressions	Yes	3
	Bethesda	4	Hills	—	—
	vertical highwalls	3	—	—	—
	Barkcamp	3	Hills	—	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
MoF: Morristown very stony clay loam, 40 to 70 percent slopes	Morristown	85	Hills	No	—
	poorly drained soils	10	Depressions	Yes	3
	Bethesda	3	Hills	—	—
MpB: Morristown silty clay loam, 0 to 8 percent slopes	Barkcamp	2	Hills	—	—
	Morristown	85	Hills	No	—
	small depressions	8	—	—	—
MpD: Morristown silty clay loam, 8 to 25 percent slopes	soils that were covered by mining activities	7	—	—	—
	channery silty clay loam surface layer		—	—	—
	Morristown	90	Hills	No	—
MrB: Morristown channery silty clay loam, 0 to 8 percent slopes, stony	soils that were covered by mining activities	10	—	—	—
	channery silty clay surface layer		—	—	—
	Morristown	85	Hills	No	—
MrD: Morristown channery silty clay loam, 8 to 25 percent slopes, stony	poorly drained soils	10	—	Yes	2,3
	soils that were disturbed by mining activities	5	—	—	—
	moderately acid to neutral in the substratum		—	—	—
	very channery silty clay loam surface layer		—	—	—
MrE: Morristown channery silty clay loam, 25 to 40 percent slopes, stony	Morristown	85	Hills	No	—
	slopes of 25 to 40 percent	5	—	—	—
	soils that were covered by mining activities	5	—	—	—
	poorly drained soils	5	Drainageways	Yes	2,3
MrE: Morristown channery silty clay loam, 25 to 40 percent slopes, stony	Morristown	85	Hills	No	—
	slopes of 15 to 25 percent	8	—	—	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	soils that were disturbed by mining activities	7	—	—	—
MsF: Morristown channery silt loam, 25 to 70 percent slopes, bouldery	Morristown	85	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	highwalls of exposed bedrock	3	—	—	—
	slopes of 6 to 15 percent	2	—	—	—
	very channery silty clay loam surface layer		—	—	—
	moderately acid to neutral in the substratum		—	—	—
Ne: Newark silt loam, frequently flooded	Newark	85	Flood plains	No	—
	Poorly drained soils	15	Depressions	Yes	2,3,4
Nm: Newark silt loam, ponded	Newark	90	Flood plains	Yes	2,3,4
	Newark, not ponded	10	Flood plains	No	—
Nn: Newark Variant silt loam, frequently flooded	Newark Variant	80	Flood plains	No	—
	Poorly drained soils	15	Channels	Yes	2,4
	Moderately deep soils	5	—	—	—
No: Nolin silt loam, 0 to 3 percent slopes, occasionally flooded	Nolin-Occasionally flooded	80-95	Flood plains	No	—
	Melvin-Occasionally flooded	0-20	Backswamps	Yes	2
	Newark-Frequently flooded	0-20	Flood plains	No	—
	Grigsby-Frequently flooded	0-20	Flood plains	No	—
Nu: Nolin variant-Urban land complex	Nolin variant	40	Flood plains	No	—
	Urban land	40	—	Unranked	—
	Newark	10	Flood plains	—	—
	poorly drained soils	5	Channels	Yes	2,3
	channery surface	5	—	—	—
Omm1B1: Omulga silt loam, mixed substratum, 2 to 6 percent slopes	Omulga-Mixed mineralogy substratum phase	75-100	Terraces	No	—
	Gilpin	0-15	Hills	No	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Allegheny	0-15	Stream terraces	No	—
	Doles	0-10	Terraces	No	—
	Vincent	0-10	Terraces	No	—
Omm1C1: Omulga silt loam, mixed substratum, 6 to 12 percent slopes	Omulga-Mixed mineralogy substratum phase	75-100	Terraces	No	—
	Gilpin	0-15	Hills	No	—
	Allegheny	0-15	Stream terraces	No	—
	Vincent	0-10	Terraces	No	—
Omu1B1: Omulga silt loam, 2 to 6 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-10	Terraces	No	—
	Gallia	0-15	Terraces	No	—
	Doles	0-15	Terraces	No	—
	Westmoreland	0-15	Hills	No	—
	Vincent	0-15	Terraces	No	—
	Wharton	0-10	Hills	No	—
	Allegheny	0-10	Stream terraces	No	—
Omu1C1: Omulga silt loam, 6 to 12 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-15	Terraces	No	—
	Allegheny	0-15	Stream terraces	No	—
	Gallia	0-15	Terraces	No	—
	Westmoreland	0-15	Hills	No	—
	Wharton	0-15	Hills	No	—
	Vincent	0-10	Terraces	No	—
RcC: Richland loam, 8 to 15 percent slopes	Richland	85	Hills	No	—
	Soils with clayey subsoil	5	—	—	—
	Stony soils	5	—	—	—
	Somewhat poorly drained soils	5	—	—	—
RcD: Richland loam, 15 to 25 percent slopes	Richland	85	Hills	No	—
	stony soils	5	—	—	—
	soils with clayey subsoil	5	—	—	—
	somewhat poorly drained soils	5	—	—	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RcE: Richland moderately stony loam, 25 to 40 percent slopes	Richland	80	Hills	No	—
	somewhat poorly drained soils	10	—	—	—
	soils with clayey subsoil	10	—	—	—
RhB: Richland silt loam, 3 to 8 percent slopes	Richland	85	Hills	No	—
	Hartshorn	15	Flood plains	—	—
RkC: Richland channery loam, 8 to 15 percent slopes	Richland	80	Hills	No	—
	somewhat poorly drained soils	20	—	—	—
	moderately well drained soils		—	—	—
RkD: Richland channery loam, 15 to 25 percent slopes	Richland	80	Hills	No	—
	somewhat poorly drained soils	20	—	—	—
	moderately well drained soils		—	—	—
RnC: Richland silt loam, 6 to 15 percent slopes	Richland	85	Hills	No	—
	moderately well drained soils	15	—	—	—
	gravelly loam surface layer		—	—	—
Uc: Udorthents-Pits complex	Udorthents	70	—	Unranked	—
	Pits	20	—	Unranked	—
	moderately deep soils	5	—	—	—
	deep soils	5	—	—	—
Ud: Udorthents-Urban land complex	Udorthents	60	—	Unranked	—
	Urban land	35	—	Unranked	—
	pits, borrow	3	—	—	—
	escarpments	2	—	—	—
UpB: Upshur silt loam, 2 to 6 percent slopes	Upshur	85	Hills	No	—
	Gilpin	15	Hills	—	—
	yellowish brown subsoil		—	—	—
	moderately well drained soils		—	—	—
W: Water	Water	100	—	Unranked	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WgB: Wellston silt loam, 2 to 8 percent slopes	Wellston	85	Hills	No	—
	Zanesville	10	Hills	—	—
	Dekalb	5	Hills	—	—
	moderately well drained soils		—	—	—
WhB: Wellston silt loam, 3 to 8 percent slopes	Wellston	80-95	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
	Gilpin	0-15	Ridges	No	—
WhC: Wellston silt loam, 8 to 15 percent slopes	Wellston	80-95	Ridges	No	—
	Guernsey	0-15	Ridges	No	—
	Gilpin	0-15	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
WjB: Westmore silt loam, 2 to 8 percent slopes	Westmore	85	Hills	No	—
	Lowell	15	Hills	—	—
	more clay in the subsoil		—	—	—
	moderately well drained soils		—	—	—
WkB: Westmore silt loam, 3 to 8 percent slopes	Westmore	80	Hills	No	—
	Lowell	10	Hills	—	—
	Wellston	10	Hills	—	—
WkC: Westmore silt loam, 8 to 15 percent slopes	Westmore	80	Hills	No	—
	Wellston	10	Hills	—	—
	Lowell	10	Hills	—	—
WkD: Westmore silt loam, 15 to 25 percent slopes	Westmore	85	Hills	No	—
	Lowell	10	Hills	—	—
	Somewhat poorly drained soils	5	—	—	—
WIC: Westmoreland silt loam, 6 to 15 percent slopes	Westmoreland	85	Hills	No	—
	Berks	8	Hills	—	—
	less rock fragments and more silt in upper part of subsoil	7	—	—	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WmB: Westmoreland silt loam, 3 to 8 percent slopes	Westmoreland	85	Hills	No	—
	Culleoka	8	Hills	—	—
	Dekalb	7	Hills	—	—
WmC: Westmoreland silt loam, 8 to 15 percent slopes	Westmoreland	75-90	Hills	No	—
	Coshocton	5-15	Hills	No	—
	Berks	5-15	Hills	No	—
WmD: Westmoreland silt loam, 15 to 25 percent slopes	Westmoreland	75-90	Hills	No	—
	Coshocton	5-15	Hills	No	—
	Berks	5-15	Hills	No	—
WmE: Westmoreland silt loam, 25 to 35 percent slopes	Westmoreland	75-90	Hills	No	—
	Coshocton	5-15	Hills	No	—
	Berks	5-15	Hills	No	—
WmF: Westmoreland silt loam, 35 to 60 percent slopes	Westmoreland	75-90	Hills	No	—
	Berks	5-15	Hills	No	—
	Coshocton	5-15	Hills	No	—
WmW1D2: Westmoreland-Woodsfield silt loams, 12 to 18 percent slopes, eroded	Westmoreland	30-60	Hills	No	—
	Woodsfield	25-60	Hills	No	—
	Guernsey	0-15	Hills	No	—
	Dormont	0-15	Hills	No	—
WnF: Westmoreland-Berks complex, 40 to 70 percent slopes	Westmoreland	55	Hills	No	—
	Berks	30	Hills	No	—
	Guernsey	10	Hills	—	—
	rock outcrop	5	—	Unranked	—
	bedrock at more than 60 inches		—	—	—
WoC: Westmoreland-Upshur complex, 8 to 15 percent slopes	Westmoreland	45	Hills	No	—
	Upshur	35	Hills	No	—
	Culleoka	10	Hills	—	—
	Severely eroded soils	10	—	—	—
WoD: Westmoreland-Upshur complex, 15 to 25 percent slopes	Westmoreland	50	Hills	No	—
	Upshur	30	Hills	No	—

Hydric Soil List - All Components--OH013-Belmont County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Culleoka	10	Hills	—	—
	steep soils	5	—	—	—
	severely eroded soils	5	—	—	—
WrE: Westmoreland-Dekalb complex, 25 to 40 percent slopes	Westmoreland	55	Hills	No	—
	Dekalb	30	Hills	No	—
	Rigley	15	Hills	—	—
	silt loam surface layer		—	—	—
	many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—	—
	gray mottles in the lower part of the subsoil		—	—	—
	channery loam surface layer		—	—	—
WrF: Westmoreland-Dekalb complex, 40 to 70 percent slopes	Westmoreland	55	Hills	No	—
	Dekalb	30	Hills	No	—
	Rigley	15	Hills	—	—
	many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—	—
	channery loam surface layer		—	—	—
	silt loam surface layer		—	—	—
	gray mottles in the lower part of the subsoil		—	—	—
ZnB: Zanesville silt loam, 3 to 8 percent slopes	Zanesville	80	Hills	No	—
	Wellston	10	Hills	—	—
	Culleoka	10	Hills	—	—
ZnC: Zanesville silt loam, 8 to 15 percent slopes	Zanesville	80	Hills	No	—
	Wellston	10	Hills	—	—
	Westmoreland	5	Hills	—	—
	Culleoka	5	Hills	—	—

## Data Source Information

Soil Survey Area: Belmont County, Ohio  
Survey Area Data: Version 12, Sep 18, 2014