

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—OH059-Guernsey 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 8 percent slopes	Aaron	85	Hills	No	—
	Gilpin	10	Hills	—	—
	severely eroded areas	5	—	—	—
	less clay in the subsoil		—	—	—
	better drained soils		—	—	—
AaC: Aaron silt loam, 8 to 15 percent slopes	Aaron	85	Hills	No	—
	Gilpin	8	Hills	—	—
	severely eroded areas	7	—	—	—
	better drained soils		—	—	—
	less clay in the subsoil		—	—	—
AaC2: Aaron silt loam, 8 to 15 percent slopes, eroded	Aaron	80	Hills,hills	No	—
	Keene	8	Hills	—	—
	Westmoreland	7	Hills	—	—
	somewhat poorly drained soils	5	—	—	—
AbB: Aaron-Upshur complex, 2 to 8 percent slopes	Aaron	50	Hills	No	—
	Upshur	35	Hills	No	—
	Gilpin	10	Hills	—	—
	Berks	5	Hills	—	—
	more silt in the subsoil		—	—	—
AbC2: Aaron-Upshur complex, 8 to 15 percent slopes, eroded	Aaron	50	Hills	No	—
	Upshur	35	Hills	No	—
	Gilpin	5	Hills	—	—
	Berks	5	Hills	—	—
	severely eroded areas	5	—	—	—
	more silt in the subsoil		—	—	—
AgC: Allegheny loam, 8 to 15 percent slopes	Allegheny	75-90	Stream terraces	No	—
	Monongahela	5-15	Stream terraces	No	—
	Omulga	5-15	Stream terraces	No	—
BaD: Barkcamp loam, 8 to 25 percent slopes	Barkcamp	85	Hills	No	—
	Bethesda	8	Hills	—	—

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	barren soils	7	—	—	—
	thinner surface layer		—	—	—
	less sloping areas		—	—	—
BcB: 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		—	—	—
BcD: 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		—	—	—
BeC: Berks channery silt loam, 8 to 15 percent slopes	Berks	75-90	Ridges	No	—
	Weikert	0-15	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
BeD: Berks channery silt loam, 15 to 25 percent slopes	Berks	80-90	Hillslopes	No	—
	Weikert	0-15	Hillslopes	No	—
	Guernsey	0-10	Hillslopes	No	—
BeE: Berks channery silt loam, 25 to 35 percent slopes	Berks	80-90	Hillslopes	No	—
	Weikert	0-10	Hillslopes	No	—
	Guernsey	0-10	Hillslopes	No	—
BeF: Berks channery silt loam, 35 to 70 percent slopes	Berks	80-90	Hillslopes	No	—
	Weikert	0-10	Hillslopes	No	—
	Guernsey	0-10	Hillslopes	No	—
BgB: Bethesda clay loam, 0 to 8 percent slopes	Bethesda	90	Hills	No	—
	severely eroded areas	10	—	—	—
	thicker surface layer		—	—	—
BgD: Bethesda clay loam, 8 to 25 percent slopes	Bethesda	90	Hills	No	—
	severely eroded areas	10	—	—	—
	thicker surface layer		—	—	—

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BgE: Bethesda clay loam, 25 to 40 percent slopes	Bethesda	90	Hills	No	—
	unreclaimed areas	10	—	—	—
	less acid soils		—	—	—
BhB: Bethesda channery loam, 0 to 8 percent slopes	Bethesda	90	Hills	No	—
	poorly drained soils	5	Closed depressions,hills	Yes	2,3
	Barkcamp	5	Hills	—	—
	less acid soils		—	—	—
BhD: Bethesda channery loam, 8 to 25 percent slopes	Bethesda	90	Hills	No	—
	Barkcamp	5	Hills	—	—
	poorly drained soils	5	Hills,closed depressions	Yes	2,3
	less acid soils		—	—	—
BhF: Bethesda channery loam, 25 to 70 percent slopes	Bethesda	90	Hills	No	—
	poorly drained soils	5	Closed depressions,hills	Yes	2,3
	Barkcamp	5	Hills	—	—
	less acid soils		—	—	—
BkD: Brookside silty clay loam, 15 to 25 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
BkE: Brookside silty clay loam, 25 to 40 percent slopes	Brookside	75-85	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
BrC2: Brookside silty clay loam, 8 to 15 percent slopes, eroded	Brookside	80	Hills	No	—
	Upshur	5	Hills	—	—
	Westgate	5	Hills	—	—
	Claysville	5	Hills	—	—
	Gilpin	5	Hills	—	—
BrE: Brookside silty clay loam, 15 to 40 percent slopes	Brookside	75	Hills	No	—
	Westgate	10	Hills	—	—
	Westmoreland	10	Hills	—	—
	stony and bouldery soils	5	—	—	—

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BsD: Brookside silt loam, 15 to 25 percent slopes	Brookside	70-95	Hillslopes	No	—
	Dormont	5-15	Hillslopes	No	—
	Richland	2-15	Hillslopes	No	—
BsD2: Brookside silt loam, 15 to 25 percent slopes, eroded	Brookside	85	Hills	No	—
	poorly drained soils	10	Hills,drainageways	Yes	2
	areas subject to flooding	5	—	—	—
BtC: Brookside-Vandalia complex, 8 to 15 percent slopes	Brookside	45	Hills	No	—
	Vandalia	35	Hills	No	—
	poorly drained soils	10	Closed depressions,hills	Yes	2
	Claysville	5	Hills	—	—
	Richland	5	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
BtD: Brookside-Vandalia complex, 15 to 25 percent slopes	Brookside	50	Hills	No	—
	Vandalia	30	Hills	No	—
	poorly drained soils	8	Closed depressions,hills	Yes	2
	Claysville	7	Hills	—	—
	Richland	5	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
BtD2: Brookside-Vandalia complex, 15 to 25 percent slopes, eroded	Brookside	45	Hills	No	—
	Vandalia	40	Hills	No	—
	poorly drained soils	10	Hills,drainageways	Yes	2
	Gilpin	5	Hills	—	—
BtE: Brookside-Vandalia complex, 25 to 40 percent slopes	Brookside	50	Hills	No	—
	Vandalia	30	Hills	No	—
	Richland	8	Hills	—	—
	poorly drained soils	7	Closed depressions,hills	Yes	2
	Claysville	5	Hills	—	—
	bedrock at 20 to 60 inches		—	—	—

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Ca: 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
CbD: Clarksburg silt loam, 15 to 25 percent slopes	Clarksburg	80-90	Hillslopes	No	—
	Dormont	0-10	Hillslopes	No	—
	Guernsey	0-10	Hillslopes	No	—
	Melvin	0-5	Flood plains	Yes	2
ChD: Clarksburg channery silt loam, 15 to 25 percent slopes	Clarksburg	80	Hills	No	—
	Kanawha	10	Terraces	—	—
	somewhat poorly drained soils	10	—	—	—
CkC: Claysville-Guernsey complex, 8 to 15 percent slopes	Claysville	55	Hills	No	—
	Guernsey	30	Hills	No	—
	poorly drained soils	15	Closed depressions,hills	Yes	2
	redder subsoil and substratum than Claysville		—	—	—
CoD: Coshocton loam, 15 to 25 percent slopes	Coshocton	80	Hills	No	—
	Clarksburg	10	Hills	—	—
	somewhat poorly drained soils	10	—	—	—
	well drained soils		—	—	—
CsB: Coshocton silt loam, 3 to 8 percent slopes	Coshocton	85	Hills	No	—
	seepy areas	5	—	—	—
	areas in the flood pools of dams	5	—	—	—
	Guernsey	5	Hills	—	—
CsC2: Coshocton silt loam, 8 to 15 percent slopes, eroded	Coshocton	85	Hills	No	—
	Guernsey	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	well drained soils		—	—	—

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CsD: Coshocton silt loam, 15 to 25 percent slopes	Coshocton	85	Hills	No	—
	Gilpin	8	Hills	—	—
	Guernsey	7	Hills	—	—
	better drained soils		—	—	—
DkC: Dekalb channery loam, 8 to 15 percent slopes	Dekalb	85	Hills	No	—
	Gilpin	10	Hills	—	—
	Westmoreland	5	Hills	—	—
	bedrock at 10 to 20 inches		—	—	—
DkD: 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		—	—	—
DkE: 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		—	—	—
DkF: Dekalb channery loam, 40 to 70 percent slopes	Dekalb	85	Hills	No	—
	Gilpin	15	Hills	—	—
DmF: 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	90	—	Unranked	—
	undisturbed areas	10	—	—	—
Ds: Dumps, mine	Dumps	90	—	Unranked	—
	undisturbed areas	5	—	—	—
	reclaimed areas	5	—	—	—
EbC: Elba silty clay loam, 8 to 15 percent slopes	Elba	85	Hills	No	—
	severely eroded areas	15	—	—	—

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	moderately well drained soils		—	—	—
	more acid in the subsoil		—	—	—
EbD: Elba silty clay loam, 15 to 25 percent slopes	Elba	85	Hills	No	—
	severely eroded areas	15	—	—	—
	moderately well drained soils		—	—	—
	more acid in the subsoil		—	—	—
EbE: Elba silty clay loam, 25 to 40 percent slopes	Elba	80	Hills	No	—
	Guernsey	10	Hills	—	—
	somewhat poorly drained soils	10	—	—	—
	more acid in the subsoil		—	—	—
EkF: Elba-Berks complex, 40 to 70 percent slopes	Elba	45	Hills	No	—
	Berks	35	Hills	No	—
	Guernsey	20	Hills	—	—
	more acid in the subsoil than Elba		—	—	—
EnB: Enoch loam, 0 to 8 percent slopes	Enoch	95	Hills	No	—
	ultra acid soils	5	—	—	—
	silt loam surface layer		—	—	—
	clay loam surface layer		—	—	—
EnD: Enoch loam, 8 to 25 percent slopes	Enoch	90	Hills	No	—
	ultra acid soils	10	—	—	—
	silt loam surface layer		—	—	—
	clay loam surface layer		—	—	—
EuA: Euclid silt loam, rarely flooded	Euclid	90	Terraces	No	—
	poorly drained soils	7	Closed depressions	Yes	2
	channery surface layer	3	—	—	—
FcB: Fairpoint silty clay loam, 0 to 8 percent slopes	Fairpoint	90	Hills	No	—
	severely eroded areas	5	—	—	—
	channery surface layer	5	—	—	—
	thicker surface layer		—	—	—

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FcD: Fairpoint silty clay loam, 8 to 25 percent slopes	Fairpoint	90	Hills	No	—
	severely eroded areas	5	—	—	—
	channery surface layer	5	—	—	—
	thicker surface layer		—	—	—
FcE: Fairpoint silty clay loam, 25 to 40 percent slopes	Fairpoint	90	Hills	No	—
	severely eroded areas	10	—	—	—
	calcareous areas		—	—	—
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
GdB: 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	—
GdC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	70-100	Ridges	No	—
	Upshur	0-20	Ridges	No	—
	Berks	0-15	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
GdD: Gilpin silt loam, 15 to 25 percent slopes	Gilpin	70-100	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
	Coolville	0-10	Hillslopes	No	—
	Coshocton	0-15	Hillslopes	No	—
GnA: Glenford silt loam, 0 to 3 percent slopes	Glenford	75-95	Terraces	No	—
	Fitchville	0-20	Terraces	No	—
	Sebring	0-10	Terraces	Yes	2,3
GnB: Glenford silt loam, 3 to 8 percent slopes	Glenford	75-95	Terraces	No	—
	Fitchville	0-20	Terraces	No	—
	Sebring	0-10	Terraces	Yes	2,3
GpA: Glenford-Urban land complex, 0 to 2 percent slopes	Glenford	45	Terraces	No	—
	Urban land	35	—	Unranked	—
	Fitchville	8	Terraces,lake plains	—	—
	Euclid	7	Terraces	—	—

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	poorly drained soils	5	Closed depressions	Yes	2
	well drained soils		—	—	—
GrC: Guernsey silt loam, 8 to 15 percent slopes	Guernsey	80	Hills	No	—
	Westmoreland	10	Hills	—	—
	Claysville	10	Hills	—	—
	well drained soils		—	—	—
GrD2: Guernsey silt loam, 15 to 25 percent slopes, eroded	Guernsey	80	Hills	No	—
	severely eroded areas	8	—	—	—
	Claysville	7	Hills	—	—
	Westmoreland	5	Hills	—	—
	silty clay loam surface layer		—	—	—
	well drained soils		—	—	—
GuC: Guernsey-Upshur complex, 8 to 15 percent slopes	Guernsey	50	Hills	No	—
	Upshur	35	Hills	No	—
	Gilpin	5	Hills	—	—
	severely eroded areas	5	—	—	—
	Westmoreland	5	Hills	—	—
	more silt in the upper part of the subsoil		—	—	—
GuD: Guernsey-Upshur complex, 15 to 25 percent slopes	Guernsey	50	Hills	No	—
	Upshur	35	Hills	No	—
	Westmoreland	5	Hills	—	—
	Claysville	5	Hills	—	—
	severely eroded areas	5	—	—	—
	loamy surface layer and upper subsoil		—	—	—
GvD2: Guernsey-Upshur silty clay loams, 15 to 25 percent slopes, eroded	Guernsey	50	Hills	No	—
	Upshur	40	Hills	No	—
	Berks	10	Hills	—	—
HaF: Hazleton channery loam, 25 to 70 percent slopes, stony	Hazleton	85	Hills	No	—
	sandstone escarpments	15	—	—	—
	bedrock at 20 to 40 inches		—	—	—

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HbE: Hazleton channery loam, 25 to 40 percent slopes	Hazleton	85	Hills	No	—
	Dekalb	10	Hills	—	—
	sandstone escarpments	5	—	—	—
	large stones on the surface		—	—	—
He: Hartshorn silt loam, occasionally flooded	Hartshorn	85	Flood plains	No	—
	Kanawha	10	Terraces	—	—
	poorly drained soils	5	Closed depressions	Yes	2
	well drained soils		—	—	—
Ho: Holton silt loam, occasionally flooded	Holton	90	Flood plains	No	—
	poorly drained soils	5	Abandoned channels,closed depressions	Yes	2,3
	Kanawha	3	Terraces	—	—
	Chagrin	2	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	—
KeC: Keene silt loam, 8 to 15 percent slopes	Keene	85	Hills	No	—
	Gilpin	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	well drained soils		—	—	—
KfB: Keene silt loam, 2 to 6 percent slopes	Keene	80	Hills	No	—
	Wellston	5	Hills	—	—
	Alford	5	Hills	—	—
	Zanesville	5	Hills	—	—
	wetter soils	5	—	—	—

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KnL1AF: Kinnick-Lindside silt loams, 0 to 3 percent slopes, frequently flooded	Kinnick	60-80	Flood plains	No	—
	Lindside	10-30	Flood plains	No	—
	Melvin	0-15	Depressions on flood plains	Yes	2,3,4
Lc: Lindside silt loam, occasionally flooded	Newark	0-20	Flood plains	No	—
	Lindside	85	Flood plains	No	—
	Newark	15	Flood plains	—	—
	well drained soils		—	—	—
Ld: Lindside silt loam, frequently flooded	Lindside	85	Flood plains	No	—
	Newark	10	Flood plains	—	—
	poorly drained soils	5	Closed depressions	Yes	2,4
	well drained soils		—	—	—
Le: Lobdell silt loam, 0 to 3 percent slopes, occasionally flooded	Lobdell	75-95	Flood plains	No	—
	Holly	0-10	Flood plains	Yes	2
	Orrville	0-10	Flood plains	No	—
	Melvin	0-10	Backswamps	Yes	2
LoB: Lowell silt loam, 3 to 8 percent slopes	Lowell	90	Hills	No	—
	Elba	4	Hills	—	—
	Upshur	3	Hills	—	—
	Westmore	3	Hills	—	—
LoC: 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	—
LoD: 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	—
LoD2: Lowell silt loam, 15 to 25 percent slopes, eroded	Lowell	80	Hills	No	—
	Westmoreland	5	Hills	—	—
	Berks	5	Hills	—	—
	Westgate	5	Hills	—	—
	Gilpin	5	Hills	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
LuE: Lowell-Upshur complex, 25 to 40 percent slopes	Lowell	50	Hills	No	—
	Upshur	35	Hills	No	—
	Westmoreland	8	Hills	—	—
	severely eroded areas	7	—	—	—
	bedrock at more than 60 inches		—	—	—
LwC: 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	—
LwD: Lowell-Westmoreland silt loams, 15 to 25 percent slopes	Lowell-Moderately wet	45-55	Hillslopes	No	—
	Westmoreland	25-35	Hillslopes	No	—
	Guernsey	5-15	Hillslopes	No	—
	Culleoka	5-15	Hillslopes	No	—
LwE: 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	—
LwF: 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	—
LxE2: Lowell-Gilpin complex, 25 to 40 percent slopes, eroded	Lowell	45	Hills	No	—
	Gilpin	35	Hills	No	—
	Westgate	10	Hills	—	—
	Claysville	10	Hills	—	—
LxF: Lowell-Gilpin complex, 40 to 70 percent slopes	Lowell	45	Hills	No	—
	Gilpin	30	Hills	No	—
	Berks	10	Hills	—	—
	rock outcrop	5	—	Unranked	—
	Claysville	5	Hills	—	—
	Westgate	5	Hills	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
McA: McGary silt loam, 0 to 3 percent slopes	McGary	90	Terraces	No	—
	poorly drained soils	10	Closed depressions	Yes	2,4
	moderately well drained soils		—	—	—
Md: Melvin silt loam, ponded	Melvin	90	Flood plains	Yes	2,3,4
	Newark	10	Flood plains	No	—
MeB: Mentor silt loam, 2 to 8 percent slopes	Mentor	95	Terraces	No	—
	Fitchville	5	Terraces,lake plains	—	—
	moderately well drained soils		—	—	—
MeC: Mentor silt loam, 8 to 15 percent slopes	Mentor	90	Terraces	No	—
	severely eroded areas	10	—	—	—
	moderately well drained soils		—	—	—
MeD: Mentor silt loam, 15 to 25 percent slopes	Mentor	90	Terraces	No	—
	severely eroded areas	10	—	—	—
	more sand in the subsoil		—	—	—
MfB: Mentor-Urban land complex, 2 to 8 percent slopes	Mentor	50	Terraces	No	—
	Urban land	40	—	Unranked	—
	Fitchville	10	Terraces,lake plains	—	—
	moderately well drained soils		—	—	—
MgB: Mentor silt loam, 2 to 6 percent slopes	Mentor	85	Terraces	No	—
	Glenford	8	Terraces,lake plains	—	—
	Fitchville	7	Terraces,lake plains	—	—
	more sand in the subsoil		—	—	—
MnB: Morristown silty clay loam, 0 to 8 percent slopes	Morristown	90	Hills	No	—
	severely eroded areas	5	—	—	—
	channery surface layer	5	—	—	—
	channery silty clay loam surface layer		—	—	—
MnD: Morristown silty clay loam, 8 to 25 percent slopes	Morristown	90	Hills	No	—
	channery surface layer	5	—	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	severely eroded areas	5	—	—	—
	thicker surface layer		—	—	—
MoF: Morristown channery clay loam, 40 to 70 percent slopes	Morristown	85	Hills	No	—
	poorly drained soils	10	Closed depressions,hills	Yes	2,3
	Bethesda	3	Hills	—	—
	bouldery or stony surface layer	2	—	—	—
MrF: Morristown channery silty clay loam, 25 to 70 percent slopes	Morristown	75	Hills	No	—
	Bethesda	15	Hills	—	—
	poorly drained soils	10	Hills,drainageways	Yes	2,3
Nd: Newark silt loam, occasionally flooded	Newark	85	Flood plains	No	—
	Lindside	10	Flood plains	—	—
	poorly drained soils	5	Depressions	Yes	2,4
Ne: Newark silt loam, frequently flooded	Newark	85	Flood plains	No	—
	poorly drained soils	10	Closed depressions	Yes	2,4
	Nolin	5	Flood plains	—	—
No: Nolin silt loam, 0 to 3 percent slopes, frequently flooded	Nolin	80-95	Flood plains	No	—
	Melvin	0-20	Backswamps	Yes	2
	Newark	0-20	Flood plains	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	—
	Westmoreland	0-15	Hills	No	—
	Vincent	0-15	Terraces	No	—
	Doles	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	—
	Gallia	0-15	Terraces	No	—
	Allegheny	0-15	Stream terraces	No	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Westmoreland	0-15	Hills	No	—
	Wharton	0-15	Hills	No	—
	Vincent	0-10	Terraces	No	—
Or: Orrville silt loam, occasionally flooded	Orrville	90	Flood plains	No	—
	poorly drained soils	6	Closed depressions	Yes	2,4
	Kanawha	2	Terraces	—	—
	Chagrin	2	Flood plains	—	—
RcC: Richland channery loam, 8 to 15 percent slopes	Richland	80	Hills	No	—
	somewhat poorly drained soils	20	—	—	—
	moderately well drained soils		—	—	—
RcD: Richland channery loam, 15 to 25 percent slopes	Richland	80	Hills	No	—
	somewhat poorly drained soils	20	—	—	—
	moderately well drained soils		—	—	—
Sa: Sarahsville silty clay loam, frequently flooded	Sarahsville	90	Terraces, flood plains	No	—
	poorly drained soils	8	Closed depressions	Yes	2,3,4
	Nolin	2	Flood plains	—	—
	areas not subject to ponding		—	—	—
Sb: Sarahsville silty clay, frequently flooded	Sarahsville	85	Flood plains, terraces	No	—
	areas flooded for long duration	10	Abandoned channels	Yes	4
	Newark	5	Flood plains	—	—
SeB: Sees silty clay loam, 2 to 6 percent slopes	Sees	90	Hills	No	—
	poorly drained soils	7	Alluvial fans, closed depressions	Yes	2
	slopes of more than 6 percent	3	—	—	—
	thicker surface layer		—	—	—
Ub: Udorthents, loamy-Rock outcrop complex	Udorthents	70	—	Unranked	—
	Rock outcrop	20	—	Unranked	—
	undisturbed areas	10	—	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Uc: Udorthents-Pits complex	Udorthents	70	—	Unranked	—
	Pits	20	—	Unranked	—
	undisturbed areas	10	—	—	—
Ud: Udorthents-Urban land complex	Udorthents	60	—	Unranked	—
	Urban land	35	—	Unranked	—
	borrow pits	3	—	—	—
	escarpments	2	—	—	—
Uf: Udorthents, loamy, hilly	Udorthents	70	—	Unranked	—
	Urban land	20	—	—	—
	landfills	5	—	—	—
	bedrock escarpment	5	—	—	—
UmC: Upshur silt loam, 8 to 15 percent slopes	Upshur	75-90	Hills	No	—
	Gilpin	10-25	Hills	No	—
UpB: Upshur silt loam, 2 to 6 percent slopes	Upshur	85	Hills	No	—
	Gilpin	15	Hills	—	—
	yellowish brown subsoil		—	—	—
	moderately well drained soils		—	—	—
Urc: Upshur silty clay loam, 6 to 15 percent slopes	Upshur	85	Hills	No	—
	severely eroded areas	8	—	—	—
	Gilpin	7	Hills	—	—
	brown surface layer		—	—	—
	more silt, less clay in the upper part of the subsoil		—	—	—
Urc2: Upshur silty clay loam, 6 to 15 percent slopes, eroded	Upshur	85	Hills	No	—
	Guernsey	4	Hills	—	—
	Berks	4	Hills	—	—
	Lowell	4	Hills	—	—
	Aaron	3	Hills	—	—
	silty clay surface layer		—	—	—
Urd: Upshur silty clay loam, 15 to 25 percent slopes	Upshur	70-85	Hills	No	—
	Gilpin	5-15	Hills	No	—
	Guernsey	5-15	Hills	No	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
UrD3: Upshur silty clay loam, 15 to 25 percent slopes, severely eroded	Upshur	85	Hills	No	—
	Gilpin	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	slightly eroded areas		—	—	—
VaD2: Vandalia silty clay loam, 15 to 25 percent slopes, eroded	Vandalia	80	Hills	No	—
	Claysville	20	Hills	—	—
	stony surface layer		—	—	—
VaE2: Vandalia silty clay loam, 25 to 40 percent slopes, eroded	Vandalia	85	Hills	No	—
	Guernsey	12	Hills	—	—
	areas subject to flooding	3	—	—	—
VtC: Vincent silt loam, 6 to 15 percent slopes	Vincent	90	Terraces	No	—
	soils with sandy subsoil	10	—	—	—
	more silt in the upper part of the subsoil		—	—	—
	moderately well drained soils		—	—	—
VwB: Vincent silty clay loam, 2 to 6 percent slopes	Vincent	90	Terraces	No	—
	soils subject to flooding	10	—	—	—
W: Water	Water	100	—	Unranked	—
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	—
	Gilpin	0-15	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
	Guernsey	0-15	Ridges	No	—
WkB: Westmore silt loam, 2 to 8 percent slopes	Westmore	85	Hills	No	—
	Lowell	15	Hills	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	more clay in the subsoil		—	—	—
	moderately well drained soils		—	—	—
WkC2: Westmore silt loam, 8 to 15 percent slopes, eroded	Westmore	85	Hills	No	—
	Lowell	15	Hills	—	—
	redder subsoil		—	—	—
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	—
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		—	—	—
WoF: Westmoreland-Dekalb complex, 40 to 70 percent slopes	Westmoreland	55	Hills	No	—
	Dekalb	30	Hills	No	—
	Rigley	15	Hills	—	—
	silt loam surface layer		—	—	—
	gray mottles in the lower part of the subsoil		—	—	—
	many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—	—
	channery loam surface layer		—	—	—

Hydric Soil List - All Components--OH059-Guernsey County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WrC: Westmoreland-Urban land complex, 6 to 15 percent slopes	Westmoreland	45	Hills	No	—
	Urban land	35	—	Unranked	—
	Gilpin	10	Hills	—	—
	Zanesville	10	Hills	—	—
	fewer rock fragments in the subsoil		—	—	—
	more silt in the subsoil		—	—	—
WrD: Westmoreland-Urban land complex, 15 to 25 percent slopes	Westmoreland	45	Hills	No	—
	Urban land	35	—	Unranked	—
	Gilpin	10	Hills	—	—
	Berks	10	Hills	—	—
	bedrock at 20 to 40 inches		—	—	—
WtB: Woodsfield silt loam, 1 to 8 percent slopes	Woodsfield	85	Hills	No	—
	Upshur	15	Hills	—	—
	moderately well drained soils		—	—	—
WtC: Woodsfield silt loam, 8 to 15 percent slopes	Woodsfield	85	Hills	No	—
	Upshur	10	Hills	—	—
	Gilpin	5	Hills	—	—
	moderately well drained soils		—	—	—
ZnB: Zanesville silt loam, 2 to 6 percent slopes	Zanesville	85	Hills	No	—
	Gilpin	15	Hills	—	—
	deep to fragipan		—	—	—
ZnC: Zanesville silt loam, 6 to 15 percent slopes	Zanesville	85	Hills	No	—
	Gilpin	15	Hills	—	—
	deep to fragipan		—	—	—
Zp: Zipp silty clay loam, frequently flooded	Zipp	90	Flood plains	Yes	2,4
	Sarahsville	10	Flood plains,terraces	No	—
	areas ponded year round		—	—	—
Zs: Zipp silty clay loam, ponded	Zipp	90	Flood plains	Yes	2,3,4
	Sarahsville	10	Flood plains,terraces	No	—

Data Source Information

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