

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 Folistels.
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--OH119-Muskingum 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	80	Hills	No	—
	Westmoreland	10	Hills	—	—
	Claysville	5	Hills	—	—
	Westgate	5	Hills	—	—
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	—	—	—
AaD2: Aaron silt loam, 15 to 25 percent slopes, eroded	Aaron	80	Hills	No	—
	Westmoreland	15	Hills	—	—
	wetter soils	5	—	—	—
AcB: Aaron-Upshur complex, 2 to 6 percent slopes	Aaron	45	Hills	No	—
	Upshur	30	Hills	No	—
	Gilpin	10	Hills	—	—
	Westgate	10	Hills	—	—
	somewhat poorly drained soils	5	—	—	—
AfB: Alford silt loam, 2 to 8 percent slopes	Alford	85	Hills	No	—
	less than 6 feet to bedrock	5	—	—	—
	somewhat poorly drained soils	5	—	—	—
	Zanesville	5	Hills	—	—
AfC2: Alford silt loam, 8 to 15 percent slopes, eroded	Alford	80	Hills	No	—
	Zanesville	10	Hills	—	—
	less than 6 feet to bedrock	5	—	—	—
	somewhat poorly drained soils	5	—	—	—
BeB: Berks channery silt loam, 3 to 8 percent slopes	Berks	80-90	Ridges	No	—
	Weikert	0-10	Ridges	No	—
	Coshocton	0-10	Ridges	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
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	—
BeD2: Berks channery silt loam, 15 to 25 percent slopes, eroded	Berks	80	Hills	No	—
	rock outcrop	5	—	Unranked	—
	wetter soils in seeps and springs	5	—	—	—
	Guernsey	5	Hills	—	—
BeE: Berks channery silt loam, 25 to 35 percent slopes	Coshocton	5	Hills	—	—
	Berks	80-90	Hillslopes	No	—
	Weikert	0-10	Hillslopes	No	—
BfF: Bethesda channery loam, 40 to 70 percent slopes	Guernsey	0-10	Hillslopes	No	—
	Bethesda	85	Ridges	No	—
	Poorly drained soils	10	Depressions	Yes	3
	very stony or extremely stony soils	2	—	—	—
	Enoch	2	Hills	—	—
	slopes of 20 to 40 percent	1	—	—	—
BgB: Berks channery silt loam, 2 to 6 percent slopes	Berks	100	Ridges	No	—
BhB: 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
BhD: Bethesda channery loam, 8 to 25 percent slopes	less acid soils		—	—	—
	Bethesda	85	Hills	No	—
	short, steep slopes	3	—	—	—
	ultra acid soils	3	—	—	—
	poorly drained soils	3	Closed depressions	Yes	2,3
	Westmoreland	3	Hills	—	—
less acid soils	Coshocton	3	Hills	—	—
			—	—	—

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BhF: Bethesda channery loam, 25 to 70 percent slopes	Bethesda	90	Hills	No	—
	Barkcamp	5	Hills	—	—
	poorly drained soils	5	Closed depressions,hills	Yes	2,3
	less acid soils		—	—	—
BkF: Berks-Westmoreland complex, 40 to 70 percent slopes	Berks	40	Hills	No	—
	Westmoreland	35	Hills	No	—
	Brookside	5	Hills	—	—
	less than 20 inches to bedrock	5	—	—	—
	Lobdell	5	Flood plains	—	—
	Guernsey	5	Hills	—	—
	Coshocton	5	Hills	—	—
BoB: Bethesda shaly silt loam, 1 to 15 percent slopes	Bethesda	80	Hills	No	—
	Westmoreland	7	Hills	—	—
	Rigley	7	Hills	—	—
	Gilpin	6	Hills	—	—
BoD: Bethesda shaly silt loam, 15 to 25 percent slopes	Bethesda	80	Hills	No	—
	Westmoreland	5	Hills	—	—
	Rigley	5	Hills	—	—
	Gilpin	5	Hills	—	—
	extremely stony soils	3	—	—	—
	escarpments	2	—	—	—
BpF: Bethesda flaggy silt loam, 25 to 70 percent slopes	Bethesda	80	Hills	No	—
	Morristown	5	Hills	—	—
	shallow water areas	5	—	—	—
	toxic areas	5	—	—	—
	Udorthents, loamy	5	—	—	—
BrE: Brownsville channery silt loam, 25 to 35 percent slopes	Brownsville	85	Hills	No	—
	steeper areas	5	—	—	—
	boulders on the surface	5	—	—	—
	Coshocton	5	Hills	—	—

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	bedrock at 20 to 40 inches		—	—	—
	fewer rock fragments in the subsoil		—	—	—
	more rock fragments on the surface		—	—	—
BrF: Brownsville channery silt loam, 35 to 70 percent slopes	Brownsville	85	Hills	No	—
	Coshocton	5	Hills	—	—
	Richland	5	Hills	—	—
	boulders on the surface	5	—	—	—
	bedrock at 20 to 40 inches		—	—	—
	more clay in the subsoil		—	—	—
	fewer rock fragments in the subsoil		—	—	—
BsC2: Brookside silty clay loam, 8 to 15 percent slopes, eroded	Brookside	80	Hills	No	—
	Westgate	5	Hills	—	—
	Claysville	5	Hills	—	—
	Gilpin	5	Hills	—	—
	Upshur	5	Hills	—	—
BsE: Brookside silty clay loam, 15 to 40 percent slopes	Brookside	75	Hills	No	—
	Westgate	10	Hills	—	—
	Westmoreland	10	Hills	—	—
	stony and bouldery soils	5	—	—	—
Cb: Chagrin loam, rarely flooded	Chagrin	80	Flood plains	No	—
	Melvin	10	Abandoned channels on flood plains, depressions on flood plains	Yes	2,3
	Newark	5	Flood plains	—	—
	Watertown	3	Terraces	—	—
	Chavies	2	Terraces	—	—
CcA: Chavies loam, 0 to 2 percent slopes	Chavies	80	Terraces	No	—
	Cidermill	10	Terraces	—	—
	Chagrin	5	Flood plains	—	—
	Glenford	5	Lake plains, terraces	—	—

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CcB: Chavies loam, 2 to 6 percent slopes	Chavies	80	Terraces	No	—
	Cidermill	10	Terraces	—	—
	Watertown	5	Terraces	—	—
	Chagrin	5	Flood plains	—	—
CeA: Chili loam, 0 to 3 percent slopes	Chili	85	Terraces	No	—
	Watertown	5	Terraces	—	—
	Cidermill	5	Terraces	—	—
	Rawson	5	Terraces	—	—
CeB: Chili loam, 3 to 8 percent slopes	Chili	85	Terraces	No	—
	Watertown	5	Terraces	—	—
	Cidermill	5	Terraces	—	—
	Rawson	5	Terraces	—	—
CfA: Chili loam, 0 to 2 percent slopes	Chili	100	Flats on terraces	No	—
CfB: Chili loam, 2 to 6 percent slopes	Chili	100	Knolls on terraces	No	—
CfC2: Chili loam, 6 to 12 percent slopes, eroded	Chili	100	Breaks on terraces, knolls on kames	No	—
ChA: Chili gravelly loam, 0 to 3 percent slopes	Chili	85	Terraces	No	—
	Chavies	8	Terraces	—	—
	droughty soils on ridges	7	—	—	—
ChB: Chili gravelly loam, 3 to 8 percent slopes	Chili	85	Terraces	No	—
	droughty soils on ridges	15	—	—	—
ChC: Chili gravelly loam, 8 to 15 percent slopes	Chili	85	Terraces	No	—
	more gravelly subsoil	15	—	—	—
CkA: Cidermill silt loam, 0 to 3 percent slopes	Cidermill	85	Terraces	No	—
	Fitchville	4	Lake plains, terraces	—	—
	Chavies	4	Terraces	—	—
	Glenford	4	Lake plains, terraces	—	—
	Watertown	3	Terraces	—	—
CnB: Cincinnati silt loam, 2 to 6 percent slopes	Cincinnati	85	Till plains	No	—
	Gilpin	8	Hills	—	—

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	somewhat poorly drained soils	7	—	—	—
CnC2: Cincinnati silt loam, 6 to 15 percent slopes, eroded	Cincinnati	80	Till plains	No	—
	severely eroded areas	8	—	—	—
	somewhat poorly drained soils	6	—	—	—
	Gilpin	6	Hills	—	—
CpC2: Clarksburg silt loam, 8 to 15 percent slopes, eroded	Clarksburg	85	Hills	No	—
	Alford	15	Hills	—	—
CrC: Claysville-Guernsey silty clay loams, 8 to 15 percent slopes	Claysville	50	Hills	No	—
	Guernsey	30	Hills	No	—
	poorly drained soils	10	Swales on benches, drainage ways on benches	Yes	2
	Upshur	6	Hills	—	—
	better drained soils	4	—	—	—
CsC2: Coshocton silt loam, 8 to 15 percent slopes, eroded	Coshocton	80	Hills	No	—
	wetter soils near seeps	5	—	—	—
	Westmoreland	5	Hills	—	—
	Rigley	5	Hills	—	—
	Gilpin	5	Hills	—	—
CsD: Coshocton silt loam, 15 to 25 percent slopes	Coshocton	75	Hills	No	—
	Clarksburg	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Gilpin	5	Hills	—	—
	Somewhat poorly drained soils	5	—	—	—
	Rigley	5	Hills	—	—
CtE: Coshocton-Westmoreland silt loams, 25 to 40 percent slopes	Coshocton	45	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	4	Hills	—	—
	Clarksburg	4	Hills	—	—
	Berks	4	Hills	—	—
	Rigley	2	Hills	—	—

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	Omulga	2	Terraces	—	—
	Newark	2	Flood plains	—	—
	Lobdell	2	Flood plains	—	—
Ds: Dumps and Pits, mine	Dumps and pits	100	—	Unranked	—
FaB: Fairpoint silty clay loam, 1 to 15 percent slopes	Fairpoint	80	Hills	No	—
	deeper reclaimed soils (Farmerstown)	20	—	—	—
FaD: Fairpoint silty clay loam, 15 to 25 percent slopes	Fairpoint	80	Hills	No	—
	deeper reclaimed soils (Farmerstown)	20	—	—	—
FaE: Fairpoint silty clay loam, 25 to 50 percent slopes	Fairpoint	80	Hills	No	—
	channery silty clay loam surface layer	10	—	—	—
	soils with rill and gully erosion	6	—	—	—
	landslides	4	—	—	—
FbF: Fairpoint channery silty clay loam, 25 to 70 percent slopes	Fairpoint	85	Hills	No	—
	shallow water pools	5	—	—	—
	mine dumps and pits	5	—	Unranked	—
	Udorthents, loamy	5	—	—	—
FcA: 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
FcB: Fitchville silt loam, 3 to 8 percent slopes	Fitchville	80-90	Terraces	No	—
	Glenford	5-15	Terraces	No	—
	Sebring	0-10	Terraces	Yes	2,3
FdB: Fairpoint loam, 0 to 8 percent slopes	Fairpoint	90	Hills	No	—
	slopes of more than 8 percent	5	—	—	—
	very channery surface layer	5	—	—	—
	thicker surface layer		—	—	—
	more acid soils		—	—	—

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FdD: Fairpoint loam, 8 to 25 percent slopes	Fairpoint	90	Hills	No	—
	very channery surface layer	5	—	—	—
	slopes of more than 25 percent	5	—	—	—
	more acid soils		—	—	—
FdE: Fairpoint loam, 25 to 35 percent slopes	Fairpoint	90	Hills	No	—
	unreclaimed areas	5	—	—	—
	ultra acid soils	5	—	—	—
	more acid soils		—	—	—
FfB: Fairpoint silty clay loam, 0 to 8 percent slopes	Fairpoint	90	Hills	No	—
	severely eroded areas	5	—	—	—
	channery surface layer	5	—	—	—
	thicker surface layer		—	—	—
FfD: Fairpoint silty clay loam, 8 to 25 percent slopes	Fairpoint	90	Hills	No	—
	channery surface layer	5	—	—	—
	severely eroded areas	5	—	—	—
	thicker surface layer		—	—	—
FkB: Frankstown variant-Mertz complex, 3 to 8 percent slopes	Frankstown Variant	45	Hills	No	—
	Mertz	35	Hills	No	—
	Aaron	5	Hills	—	—
	very stony soils	5	—	—	—
	shallow soils	5	—	—	—
	Keene	5	Hills	—	—
GcB: Gilpin silt loam, 2 to 6 percent slopes	Gilpin	85	Hills	No	—
	Coshocton	8	—	—	—
	moderately well drained soils	7	—	—	—
	bedrock at 10 to 20 inches		—	—	—
	bedrock at 40 to 60 inches		—	—	—
GdB: Gilpin silt loam, 3 to 8 percent slopes	Gilpin	75-100	Ridges	No	—
	Coshocton	0-10	Ridges	No	—

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	Coolville	0-10	Ridges	No	—
	Berks	0-15	Ridges	No	—
GdC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	85	Hills	No	—
	Berks	15	Hills	—	—
	bedrock at 40 to 60 inches		—	—	—
GdC2: 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	—
GeD2: Gilpin-Upshur complex, 15 to 25 percent slopes	Gilpin	40-60	Hillslopes	No	—
	Upshur	25-45	Hillslopes	No	—
	Peabody	0-15	Hillslopes	No	—
	Coolville	0-15	Hillslopes	No	—
	Wharton	0-15	Hillslopes	No	—
GeE2: Gilpin-Upshur complex, 25 to 40 percent slopes, eroded	Gilpin	40	Hills	No	—
	Upshur	35	Hills	No	—
	moderately deep soils, more clayey than Gilpin	15	—	—	—
	Berks	10	Hills	—	—
GfA: 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
GfB: 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
GfC2: Glenford silt loam, 8 to 15 percent slopes	Glenford	75-95	Terraces	No	—
	Mentor	0-20	Terraces	No	—
	Fitchville	0-10	Terraces	No	—
GnD: Guernsey silt loam, 12 to 18 percent slopes	Guernsey	100	Ridges,hills	No	—

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GpD: Guernsey silt loam, 15 to 25 percent slopes	Guernsey	85	Hills	No	—
	boulders on the surface	5	—	—	—
	somewhat poorly drained soils	5	—	—	—
	poorly drained soils	5	Hills	Yes	2
	well drained soils		—	—	—
	less clay in the subsoil		—	—	—
	eroded areas		—	—	—
GpD2: Guernsey silt loam, 15 to 25 percent slopes, eroded	Guernsey	80	Hills	No	—
	severely eroded areas	8	—	—	—
	Claysville	7	Hills	—	—
	Westmoreland	5	Hills	—	—
	well drained soils		—	—	—
	silty clay loam surface layer		—	—	—
GsC: Guernsey-Upshur complex, 8 to 15 percent slopes	Guernsey	50	Hills	No	—
	Upshur	35	Hills	No	—
	Westmoreland	5	Hills	—	—
	Gilpin	5	Hills	—	—
	severely eroded areas	5	—	—	—
	more silt in the upper part of the subsoil		—	—	—
GtC2: Guernsey-Upshur silty clay loams, 6 to 15 percent slopes, eroded	Guernsey	50	Hills	No	—
	Upshur	30	Hills	No	—
	Westgate	8	Hills	—	—
	Claysville	8	Hills	—	—
	Zanesville	4	Hills	—	—
GtD2: Guernsey-Upshur silty clay loams, 15 to 25 percent slopes, eroded	Guernsey	45	Hills	No	—
	Upshur	30	Hills	No	—
	Westgate	10	Hills	—	—
	Claysville	10	Hills	—	—
	Berks	5	Hills	—	—

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HaC2: Homewood silt loam, 8 to 15 percent slopes, eroded	Homewood	80	Till plains	No	—
	Coshocton	20	Hills	—	—
HaD2: Homewood silt loam, 15 to 20 percent slopes, eroded	Homewood	80	Till plains	No	—
	Coshocton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Berks	5	Hills	—	—
Hay1AO: Haymond silt loam, 0 to 3 percent slopes, occasionally flooded	Haymond	80-100	Flood-plain steps	No	—
	Haymond-Frequently flooded	0-10	Flood-plain steps	No	—
	Lindside	0-15	Flood plains	No	—
HoC2: Homewood silt loam, 6 to 12 percent slopes, eroded	Homewood	100	Knolls on till plains,ridges on till plains,hills on till plains,hills on till plains	No	—
HoD2: Homewood silt loam, 12 to 18 percent slopes, eroded	Homewood	100	Hills on till plains,hills on till plains	No	—
JtA: Jimtown loam, 0 to 3 percent slopes	Jimtown	80	Terraces	No	—
	Fitchville	8	Lake plains,terraces	—	—
	Chili	7	Terraces	—	—
	poorly drained soils	5	Depressions on terraces	Yes	2
KeB: Keene silt loam, 3 to 8 percent slopes	Keene	80-100	Ridges	No	—
	Gilpin	0-20	Ridges	No	—
KeC2: Keene silt loam, 6 to 15 percent slopes, eroded	Keene	80	Hills	No	—
	wetter soils	5	—	—	—
	Westmoreland	5	Hills	—	—
	Wellston	5	Hills	—	—
	Gilpin	5	Hills	—	—
KfC: Keene silt loam, 8 to 15 percent slopes	Keene	85	Hills	No	—
	Gilpin	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	well drained soils		—	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Kk: Killbuck silt loam, frequently flooded	Killbuck	100	Flood plains	Yes	2
Km: Killbuck silt loam, occasionally flooded	Killbuck	85	Flood plains	Yes	2
	Luray	5	Depressions on lake plains	Yes	2,3
	Newark	5	Flood plains	No	—
	Lorain	5	Depressions on lake plains	Yes	2,3
LaC: Lakin loamy fine sand, 8 to 15 percent slopes	Lakin	80	Terraces	No	—
	wetter soils with fragipan	20	—	—	—
LbB: Lakin loamy sand, 1 to 8 percent slopes	Lakin	90	Terraces	No	—
	wetter soils with a loam or silt loam surface layer	10	—	—	—
LcD: Lakin-Alford complex, 15 to 25 percent slopes	Lakin	45	Terraces	No	—
	Alford	35	Hills	No	—
	sandy soils with fragipan	5	—	—	—
	Markland	5	Terraces	—	—
	Glenford	5	Terraces,lake plains	—	—
	Omulga	5	Terraces	—	—
Lk: Lindside silt loam, occasionally flooded	Lindside	80	Flood plains	No	—
	Melvin	5	Abandoned channels on flood plains,depressions on flood plains	Yes	2,3
	Tioga	5	Flood plains	—	—
	Newark	5	Flood plains	—	—
	Chagrin	5	Flood plains	—	—
Lm: Lobdell loam, channery substratum, occasionally flooded	Lobdell	80	Flood plains	No	—
	Newark	10	Flood plains	—	—
	Melvin	5	Abandoned channels on flood plains,depressions on flood plains	Yes	2
	moderately deep soils	5	—	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Lo: Lorain silty clay	Lorain	85	Lake terraces	Yes	2,3
	McGary	10	Terraces	No	—
	Fitchville	5	Lake plains,terraces	No	—
LpC: Lowell silt loam, 8 to 15 percent slopes	Lowell	85	Hills	No	—
	Westmoreland	10	Hills	—	—
	somewhat poorly drained soils	5	—	—	—
	more silt in the upper part of the subsoil		—	—	—
LpC2: 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	—
LpD: Lowell silt loam, 15 to 25 percent slopes	Lowell	85	Hills	No	—
	Westmoreland	10	Hills	—	—
	severely eroded areas	5	—	—	—
LpD2: 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	—
LrE2: Lowell-Gilpin complex, 25 to 40 percent slopes, eroded	Lowell	45	Hills	No	—
	Gilpin	35	Hills	No	—
	Westgate	10	Hills	—	—
	Claysville	10	Hills	—	—
LrF: Lowell-Gilpin complex, 40 to 70 percent slopes	Lowell	45	Hills	No	—
	Gilpin	30	Hills	No	—
	Berks	10	Hills	—	—
	rock outcrop	5	—	Unranked	—
	Westgate	5	Hills	—	—
	Claysville	5	Hills	—	—
Lu: Luray silty clay loam	Luray	80	Lake terraces	Yes	2,3
	Sebring	8	Lake terraces	Yes	2,3
	Lorain	6	Depressions on lake terraces	Yes	2,3
	Fitchville	6	Lake plains,terraces	No	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
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	—
MaB: Markland silt loam, 2 to 6 percent slopes	Markland	85	Terraces	No	—
	Sebring	5	Depressions on terraces	Yes	2,3
	Lorain	5	Depressions on terraces	Yes	2,3
	Watertown	5	Terraces	—	—
MbC2: Markland silty clay loam, 6 to 15 percent slopes, eroded	Markland	80	Terraces	No	—
	McGary	10	Terraces	—	—
	Fitchville	5	Lake plains,terraces	—	—
	Watertown	5	Terraces	—	—
McD2: Markland-Glenford complex, 15 to 35 percent slopes, eroded	Markland	40	Terraces	No	—
	Glenford	30	Terraces	No	—
	Watertown	8	Terraces	—	—
	Melvin	8	Depressions on flood plains	Yes	2
	Newark	8	Flood plains	—	—
	rock outcrop	3	—	Unranked	—
MdA: McGary silt loam, 0 to 3 percent slopes	Rodman	3	Terraces	—	—
	McGary	80	Terraces	No	—
	Lorain	10	Drainageways on lake plains,depressions on lake plains	Yes	2,3
Me: Melvin silt loam, frequently flooded	Markland	10	Terraces	—	—
	Melvin	75	Flood plains	Yes	2
	Newark	15	Flood plains	No	—
	Nolin	5	Flood plains	No	—
MkD: Mertz very cherty silt loam, 15 to 35 percent slopes	Lindside	5	Flood plains	No	—
	Mertz	70	Hills	No	—
	Coshocton	10	Hills	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Frankstown Variant	10	Hills	—	—
	Rigley	5	Hills	—	—
	Westmoreland	5	Hills	—	—
MoB: Morrystown silty clay loam, 0 to 8 percent slopes	Morrystown	85	Hills	No	—
	unreclaimed areas with channery silty clay loam surface	15	—	—	—
MrB: Morrystown shaly silty clay loam, 1 to 15 percent slopes	Morrystown	80	Hills	No	—
	Bethesda	15	Hills	—	—
	ponded areas	5	—	—	—
MrD: Morrystown shaly silty clay loam, 15 to 25 percent slopes	Morrystown	75	Hills	No	—
	Bethesda	15	Hills	—	—
	high walls	5	—	—	—
	ponded areas	5	—	—	—
MrF: Morrystown shaly silty clay loam, 25 to 70 percent slopes	Morrystown	85	Hills	No	—
	Bethesda	15	Hills	—	—
MsB: Morrystown silty clay loam, 1 to 8 percent slopes	Morrystown	80	Hills	No	—
	Unreclaimed areas	10	—	—	—
	deep reclamation	5	—	—	—
	poorly drained areas	5	—	—	—
MsC: Morrystown silty clay loam, 8 to 15 percent slopes	Morrystown	85	Hills	No	—
	Bethesda	8	Hills	—	—
	unreclaimed areas	7	—	—	—
MsD: Morrystown silty clay loam, 15 to 25 percent slopes	Morrystown	80	Hills	No	—
	Bethesda	5	Hills	—	—
	deep reclamation	5	—	—	—
	severely eroded areas	5	—	—	—
	channery surface layer	5	—	—	—
MsE: Morrystown silty clay loam, 25 to 50 percent slopes	Morrystown	80	Hills	No	—
	Bethesda	10	Hills	—	—
	unreclaimed areas	5	—	—	—
	eroded areas	5	—	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Vincent	0-10	Terraces	No	—
RaB: Rawson silt loam, 2 to 6 percent slopes	Rawson	75	Terraces	No	—
	Chili	5	Terraces	—	—
	Omulga	5	Terraces	—	—
	Markland	5	Terraces	—	—
	Fitchville	5	Lake plains,terraces	—	—
	Jimtown	5	Terraces	—	—
RfC: Rigley loam, 8 to 15 percent slopes	Rigley	80	Hills	No	—
	Gilpin	7	Hills	—	—
	Berks	7	Hills	—	—
	Wellston	6	Hills	—	—
RgD: Rigley channery loam, 15 to 25 percent slopes	Rigley	80	Hills	No	—
	Gilpin	7	Hills	—	—
	Berks	7	Hills	—	—
	Wellston	6	Hills	—	—
RhE: Rigley-Coshocton complex, 25 to 40 percent slopes	Rigley	40	Hills	No	—
	Coshocton	35	Hills	No	—
	Alford	5	Hills	—	—
	Gilpin	5	Hills	—	—
	Berks	5	Hills	—	—
	Glenford	5	Lake plains,terraces	—	—
	Guernsey	5	Hills	—	—
RoF: Rodman gravelly sandy loam, 25 to 70 percent slopes	Rodman	80	Terraces	No	—
	Chili	8	Terraces	—	—
	Watertown	7	Terraces	—	—
	Lakin	5	Terraces	—	—
Se: Sebring silt loam	Sebring	80	Lake terraces	Yes	2,3
	Newark	4	Flood plains	No	—
	Fitchville	4	Lake plains,terraces	No	—
	Luray	4	Depressions on lake terraces	Yes	2,3
	Lorain	4	Depressions on lake terraces	Yes	2,3
	Melvin	4	Flood plains	Yes	2

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
St: Stonelick loam, occasionally flooded	Stonelick	80	Flood plains	No	—
	Newark	20	Flood plains	—	—
Ta: Tioga fine sandy loam, rarely flooded	Tioga	80	Flood plains	No	—
	droughty soils	10	—	—	—
	Chavies	5	Terraces	—	—
Tf: Tioga fine sandy loam, occasionally flooded	Watertown	5	Terraces	—	—
	Tioga	85	Flood plains	No	—
	Watertown	5	Terraces	—	—
Ud: Udorthents, loamy, hilly	Lindside	5	Flood plains	—	—
	Udorthents	70	—	Unranked	—
	Urban land	20	—	—	—
Ug: Udorthents, sandy, rolling	landfills	5	—	—	—
	bedrock escarpment	5	—	—	—
	soils lacking gravel	15	—	—	—
Uh: Udorthents, sandy-skeletal, steep	very gravelly soils	10	—	—	—
	Udorthents	80	—	Unranked	—
	Rodman	10	Terraces	—	—
Uk: Udorthents-Pits complex	bedrock outcrop	5	—	—	—
	Udorthents	60	—	Unranked	—
	Pits	20	—	Unranked	—
UsB: Urban land-Glenford complex, 2 to 8 percent slopes	Udorthents, loamy	10	—	—	—
	natural soils	10	—	—	—
	Urban land	50	—	Unranked	—
	Glenford	25	Terraces	No	—
	Udorthents, loamy	15	—	—	—
UtA: Urban land-Nolin complex, rarely flooded	Sebring	5	Depressions	Yes	2,3
	Fitchville	3	Lake plains,terraces	—	—
	McGary	2	Terraces	—	—
	Urban land	50	—	Unranked	—
Nolin	30	Flood plains	No	—	

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Newark	10	Flood plains	—	—
	Melvin	10	Flood plains	Yes	2
UvB: Urban land-Watertown complex, 1 to 15 percent slopes	Urban land	50	—	Unranked	—
	Watertown	25	Terraces	No	—
	Chili	15	Terraces	—	—
	Rodman	10	Terraces	—	—
UwC: Urban land-Wellston complex, 5 to 15 percent slopes	Urban land	50	—	Unranked	—
	Wellston	25	Hills	No	—
	Rigley	5	Hills	—	—
	Zanesville	5	Hills	—	—
	Keene	5	Hills	—	—
	Gilpin	5	Hills	—	—
	Udorthents, loamy	5	—	—	—
W: Water	Water	100	—	Unranked	—
WaB: Watertown sandy loam, 1 to 8 percent slopes	Watertown	80	Terraces	No	—
	Chili	20	Terraces	—	—
WaC: Watertown sandy loam, 8 to 15 percent slopes	Watertown	80	Terraces	No	—
	Chavies	10	Terraces	—	—
	Chili	10	Terraces	—	—
WbB: Watertown sandy loam, 2 to 6 percent slopes	Watertown	90	Terraces	No	—
	more gravel in the subsoil	10	—	—	—
	more clay in the subsoil		—	—	—
	more gravel in the surface layer		—	—	—
WbC: Watertown sandy loam, 6 to 15 percent slopes	Watertown	90	Terraces	No	—
	more gravel in the surface layer	10	—	—	—
	more clay in the subsoil		—	—	—
	more gravel in the surface layer		—	—	—
	eroded areas		—	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
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	85	Hills	No	—
	Gilpin	15	Hills	—	—
	moderately well drained soils		—	—	—
WhC2: Wellston silt loam, 8 to 15 percent slopes	Wellston	80-95	Ridges	No	—
	Gilpin	0-15	Ridges	No	—
	Guernsey	0-15	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
WmB: Westgate silt loam, 2 to 6 percent slopes	Westgate	80	Hills	No	—
	Lowell	8	Hills	—	—
	Gilpin	7	Hills	—	—
	Upshur	5	Hills	—	—
WmC2: Westgate silt loam, 6 to 15 percent slopes, eroded	Westgate	80	Hills	No	—
	Zanesville	7	Hills	—	—
	Guernsey	7	Hills	—	—
	Upshur	6	Hills	—	—
WnB: Westmore silt loam, 1 to 8 percent slopes	Westmore	80	Benches,ridges	No	—
	Guernsey	20	Hills	—	—
WnC: Westmore silt loam, 8 to 15 percent slopes	Westmore	85	Benches,ridges,hills	No	—
	Guernsey	15	Hills	—	—
WoB: Woodsfield silt loam, 1 to 6 percent slopes	Woodsfield	85	Hills	No	—
	Gilpin	15	Hills	—	—
WoC: Woodsfield silt loam, 6 to 15 percent slopes	Woodsfield	85	Hills	No	—
	Gilpin	15	Hills	—	—
WrF: Westmoreland-Berks complex, 40 to 70 percent slopes	Westmoreland	55	Hills	No	—
	Berks	30	Hills	No	—
	Guernsey	10	Hills	—	—
	rock outcrop	5	—	Unranked	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	bedrock at more than 60 inches		—	—	—
WtC: Westmoreland silt loam, 8 to 15 percent slopes	Westmoreland	90	Knolls on ridges	No	—
	Dekalb	10	Hills	—	—
WtC2: Westmoreland silt loam, 8 to 15 percent slopes	Westmoreland	75-90	Hills	No	—
	Berks	5-15	Hills	No	—
	Coshocton	5-15	Hills	No	—
WtD: Westmoreland silt loam, 15 to 25 percent slopes	Westmoreland	80	Hills	No	—
	Berks	20	Hills	—	—
	bedrock at more than 60 inches		—	—	—
WtD2: Westmoreland silt loam, 15 to 25 percent slopes	Westmoreland	75-90	Hills	No	—
	Berks	5-15	Hills	No	—
	Coshocton	5-15	Hills	No	—
WtE: Westmoreland silt loam, 25 to 35 percent slopes	Westmoreland	75-90	Hills	No	—
	Berks	5-15	Hills	No	—
	Coshocton	5-15	Hills	No	—
WuC2: Westmoreland-Guernsey silt loams, 8 to 15 percent slopes, eroded	Westmoreland	45	Hills	No	—
	Guernsey	35	Hills	No	—
	Westgate	7	Hills	—	—
	Coshocton	7	Hills	—	—
	Keene	6	Hills	—	—
WuD2: Westmoreland-Guernsey silt loams, 15 to 25 percent slopes, eroded	Westmoreland	45	Hills	No	—
	Guernsey	35	Hills	No	—
	Lowell	7	Hills	—	—
	Berks	7	Hills	—	—
	Upshur	6	Hills	—	—
WuE2: Westmoreland-Guernsey silt loams, 25 to 40 percent slopes, eroded	Westmoreland	45	Hills	No	—
	Guernsey	35	Hills	No	—
	Omulga	3	Terraces	—	—
	Clarksburg	3	Hills	—	—

Hydric Soil List - All Components--OH119-Muskingum County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rigley	3	Hills	—	—
	Berks	3	Hills	—	—
	Lobdell	3	Flood plains	—	—
	Newark	3	Flood plains	—	—
	Glenford	2	Lake plains,terraces	—	—
WvD: Westmoreland-Urban land complex, 15 to 35 percent slopes	Westmoreland	50	Hills	No	—
	Urban land	20	—	Unranked	—
	Udorthents, loamy	10	—	—	—
	Berks	10	Hills	—	—
	Guernsey	5	Hills	—	—
	Coshocton	5	Hills	—	—
ZnC: Zanesville silt loam, 8 to 15 percent slopes	Zanesville	85	Benches,ridges	No	—
	severely eroded soils	5	—	—	—
	Gilpin	5	Hills	—	—
	Wellston	5	Hills	—	—
ZnB: Zanesville silt loam, 2 to 6 percent slopes	Zanesville	80	Hills	No	—
	Westmoreland	5	Hills	—	—
	Keene	5	Hills	—	—
	Aaron	5	Hills	—	—
	Wellston	5	Hills	—	—
ZnC2: Zanesville silt loam, 6 to 15 percent slopes, eroded	Zanesville	75	Hills	No	—
	Wellston	5	Hills	—	—
	Westmoreland	4	Hills	—	—
	Gilpin	4	Hills	—	—
	Westgate	4	Hills	—	—
	Alford	4	Hills	—	—
	Keene	4	Hills	—	—

Data Source Information

Soil Survey Area: Muskingum County, Ohio
 Survey Area Data: Version 10, Sep 19, 2014