

Hydric Soil List - All Components

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

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

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

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

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

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

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

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

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
 - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
 - A. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 - B. Show evidence that the soil meets the definition of a hydric soil;

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

References:

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

Report—Hydric Soil List - All Components

Hydric Soil List - All Components—OH083-Knox County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AdD2: Amanda silt loam, 12 to 18 percent slopes, eroded	Amanda	85	Till plains	No	—
	Centerburg	5	—	—	—
	Amanda severely eroded-Severely eroded	5	Ground moraines,end moraines	No	—
	Shoals	3	—	—	—
	Springs and seep areas	2	—	—	—
AdF2: Amanda silt loam, 18 to 40 percent slopes, eroded	Amanda	90	Till plains	No	—
	Springs and seep areas	5	—	—	—
	Shoals	5	Flood plains	—	—
BeG: Berks-Rock outcrop complex, 30 to 60 percent slopes	Berks	70	Hills	No	—
	Lordstown	20	Hills	—	—
	Rock outcrop	10	—	Unranked	—
	bedrock within 20 inches		—	—	—
BgB: Bogart gravelly loam, 2 to 6 percent slopes	Bogart	100	Terraces	No	—
	Chili		Terraces	—	—
	Jimtown		Terraces	—	—
BnA: Bennington silt loam, 0 to 2 percent slopes	Bennington	90	Till plains	No	—
	Pewamo	8	Depressions	Yes	2,3
	Centerburg	2	Moraines,till plains	No	—
BnB: Bennington silt loam, 2 to 6 percent slopes	Bennington	90	Till plains	No	—
	Centerburg	5	Moraines,till plains	No	—
	Pewamo	5	Depressions	Yes	2,3
BoA: Bogart silt loam, 0 to 2 percent slopes	Bogart	95	Outwash terraces	No	—
	Jimtown	5	Terraces	No	—
BoB: Bogart silt loam, 2 to 6 percent slopes	Bogart	90	Outwash terraces	No	—
	Jimtown	5	Terraces	No	—
	till substratum	5	—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BrC: Brownsville channery silt loam, 6 to 12 percent slopes	Brownsville	90	Plateaus	No	—
	Westmoreland	4	Hills	No	—
	Berks	3	Hills	—	—
	Seep areas	3	—	—	—
BrD: Brownsville channery silt loam, 12 to 18 percent slopes	Brownsville	85	Hillsides	No	—
	Westmoreland	8	Hills	No	—
	Seep areas	4	—	—	—
	Berks	3	Hills	—	—
BsE: Brownsville-Westmoreland complex, 18 to 25 percent slopes	Brownsville	60	Hillsides	No	—
	Westmoreland	30	Hillsides	No	—
	Coshocton	4	Hills	No	—
	Brownsville, very stony	3	—	—	—
	Berks	2	Hills	—	—
	Seep areas	1	—	—	—
BsF: Brownsville-Westmoreland complex, 25 to 40 percent slopes	Brownsville	60	Hillsides	No	—
	Westmoreland	30	Hillsides	No	—
	Coshocton	5	Hills	No	—
	Brownsville, very stony	3	—	—	—
	Rock outcrop, fine grained	2	—	—	—
	BtD: Brownsville channery silt loam, 15 to 25 percent slopes	Brownsville	85	Hills	No
BtE: Brownsville channery silt loam, 25 to 35 percent slopes	Coshocton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	wet areas	3	—	—	—
	rock outcrop	2	—	Unranked	—
	Brownsville	85	Hills	No	—
BuG: Brownsville-Rock outcrop complex, 35 to 60 percent slopes	Coshocton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	wet areas	3	—	—	—
	rock outcrop	2	—	Unranked	—
BuG: Brownsville-Rock outcrop complex, 35 to 60 percent slopes	Brownsville	65	Hillsides	No	—
	Berks	20	Hills	—	—

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	Rock outcrop	15	Hillsides	Unranked	—
ByF: Brownsville-Rock outcrop complex, 35 to 70 percent slopes	Brownsville	70	Hills	No	—
	Rock outcrop	20	—	Unranked	—
	Coshocton	4	Hills	—	—
	Westmoreland	4	Hills	—	—
	wet areas	2	—	—	—
CaB: Canfield silt loam, 2 to 6 percent slopes	Canfield	90	Till plains	No	—
	Ravenna	10	Till plains	No	—
CaC: Canfield silt loam, 6 to 12 percent slopes	Canfield	90	Till plains	No	—
	Ravenna	10	Till plains	No	—
CdB: Centerburg silt loam, 2 to 6 percent slopes	Centerburg	90	Knolls on till plains	No	—
	Bennington	5	Depressions	No	—
	Condit	5	Ground moraines	Yes	2,3
CdB2: Centerburg silt loam, 2 to 6 percent slopes, eroded	Centerburg	90	Knolls on till plains	No	—
	Condit	5	Draws	Yes	2,3
	Bennington	3	Depressions	No	—
	Centerburg, sev. eroded	2	Moraines,till plains	—	—
CdC: Centerburg silt loam, 6 to 12 percent slopes	Centerburg	85	Drainageways on till plains, knolls on till plains	No	—
	Bennington	5	Depressions	No	—
	Condit	5	Draws	Yes	2,3
	Shoals	5	—	—	—
CdC2: Centerburg silt loam, 6 to 12 percent slopes, eroded	Centerburg	80	Hills on till plains, drainageways on till plains, knolls on till plains	No	—
	Centerburg, sev. eroded	5	Moraines,till plains	—	—
	Shoals	5	—	—	—
	Bennington	5	Flats on ground moraines, flats on end moraines, rises on ground moraines, rises on end moraines	No	—
	Condit	5	Ground moraines	Yes	2,3

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
ChB: Chili gravelly loam, 2 to 6 percent slopes	Chili	85	Terraces,outwash plains	No	—
	Bogart	5	Terraces	No	—
	Jimtown	5	Terraces	No	—
	Oshtemo	5	Terraces	—	—
ChC: Chili gravelly loam, 6 to 12 percent slopes	Chili	85	Terraces,kames	No	—
	Bogart	5	Terraces	No	—
	Oshtemo	5	Terraces	—	—
	Negley	5	Terraces	—	—
ChD: Chili gravelly loam, 12 to 18 percent slopes	Chili	85	Terraces,kames,outwash plains	No	—
	Chili, till surface	5	—	—	—
	Negley	5	Terraces	—	—
	Bogart	5	Terraces	No	—
ChE: Chili gravelly loam, 18 to 25 percent slopes	Chili	80	Terraces,valleys,kames	No	—
	Chili, very steep	10	Terraces	—	—
	Jimtown	5	Terraces	No	—
	Chili, till surface	5	—	—	—
CIB: Chili loam, 2 to 6 percent slopes	Chili	85	Terraces	No	—
	Watertown	15	Terraces	—	—
	gravelly surface layer		—	—	—
	silt loam surface layer		—	—	—
CIC2: Chili loam, 6 to 12 percent slopes, eroded	Chili	90	Terraces	No	—
	Glenford	5	Terraces,lake plains	—	—
	Fitchville	5	Terraces,lake plains	—	—
CID: Chili loam, 15 to 25 percent slopes	Chili	90	Terraces	No	—
	Watertown	10	Terraces	—	—
	gravelly surface layer		—	—	—
CID2: Chili loam, 12 to 18 percent slopes, eroded	Chili	90	Terraces	No	—
	severely eroded soils	5	—	—	—
	seeps	5	—	—	—
CmA: Chili silt loam, 0 to 2 percent slopes	Chili	90	Terraces	No	—
	Chili, higher clay	10	Terraces	—	—

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CmB: Chili silt loam, 2 to 6 percent slopes	Chili	90	Terraces,alluvial fans	No	—
	Chili, higher clay	10	Terraces	—	—
CnC: Chili-Homewood silt loams, 6 to 12 percent slopes	Chili	55	Moraines,valleys,kames,outwash plains	No	—
	Homewood	35	Till plains	No	—
	Jimtown	5	Terraces	No	—
	Fitchville	5	Terraces,lake plains	No	—
CnD: Chili-Homewood silt loams, 12 to 18 percent slopes	Chili	50	Terraces	No	—
	Homewood	40	Till plains	No	—
	Jimtown	4	Terraces	No	—
	Fitchville	3	Terraces,lake plains	No	—
	Gresham	3	Moraines,till plains	No	—
CpB: Cidermill silt loam, 2 to 6 percent slopes	Cidermill	85	Terraces	No	—
	Chili	5	Terraces	—	—
	Fitchville	5	Terraces,lake plains	—	—
	Glenford	5	Terraces,lake plains	—	—
Cr: Condit silt loam, 0 to 1 percent slopes	Condit	85-95	Ground moraines,end moraines	Yes	2
	Bennington	0-9	Ground moraines,end moraines	No	—
	Condit-Fine-loamy	0-9	Ground moraines,end moraines	Yes	2
	Pewamo	0-9	Ground moraines,end moraines	Yes	2,3
CsC: Coshocton loam, 6 to 15 percent slopes	Coshocton	100	Hillsides	No	—
	eroded areas with clay loam or silty clay loam surface layer		—	—	—
	somewhat poorly drained soils		—	—	—
	sandy loam surface layer		—	—	—
CtC2: Coshocton silt loam, 6 to 15 percent slopes, eroded	Coshocton	85	Hills	No	—
	somewhat poorly drained soils	5	—	—	—
	Westmoreland	4	Hills	—	—
	Gilpin	3	Hills	—	—
	Rigley	3	Hills	—	—

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CtD: Coshocton silt loam, 15 to 25 percent slopes	Coshocton	85	Hills	No	—
	poorly drained soils	3	Hills	Yes	2
	stones on the surface	3	—	—	—
	Rigley	3	Hills	—	—
	Westmoreland	3	Hills	—	—
	somewhat poorly drained soils	3	—	—	—
	bedrock at 20 to 40 inches		—	—	—
	more clay in the subsoil		—	—	—
	better drained soils		—	—	—
CtD2: Coshocton silt loam, 15 to 25 percent slopes, eroded	Coshocton	85	Hills	No	—
	somewhat poorly drained soils	4	—	—	—
	Westmoreland	4	Hills	—	—
	Gilpin	4	Hills	—	—
	Rigley	3	Hills	—	—
CvB: Coshocton silt loam, 2 to 6 percent slopes	Coshocton	80	Plateaus	No	—
	Gilpin	5	Hills	No	—
	Library Variant	5	—	—	—
	Coshocton, clayey substr.	5	—	—	—
	Rigley	5	Hills	No	—
CvC: Coshocton silt loam, 6 to 12 percent slopes	Coshocton	80	Plateaus	No	—
	Rigley	4	Hills	No	—
	Library Variant	4	—	—	—
	Coshocton, clayey substr.	4	—	—	—
	Gilpin	4	Hills	No	—
	Westmoreland	4	Hills	No	—
CvD: Coshocton silt loam, 12 to 18 percent slopes	Coshocton	90	Hills	No	—
	Library Variant	5	—	—	—
	Westmoreland	5	Hills	No	—
CxD: Coshocton-Rigley complex, 15 to 25 percent slopes	Coshocton	45	Hills	No	—
	Rigley	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)
	very steep areas	5	—	—	—
	somewhat poorly drained soils	5	—	—	—
	very bouldery areas	5	—	—	—
	very stony areas	5	—	—	—
	more clay in the subsoil than Coshocton		—	—	—
	less sand in the subsoil than Rigley		—	—	—
	more rock fragments in the subsoil than Rigley		—	—	—
CzA: Crane silt loam, 1 to 4 percent slopes	Crane	90	Terraces,outwash plains	No	—
	Crane, loamy substratum	5	—	—	—
	Mod. well dr. soils	5	—	—	—
DAM: Dam	Dam	100	—	Unranked	—
Du: Dumps	Dumps	100	—	Unranked	—
FcA: Fitchville silt loam, 0 to 2 percent slopes	Fitchville	90	Terraces,lake plains	No	—
	Sebring	5	Terraces	Yes	2,3
	Luray	5	Depressions	Yes	2,3
FcB: Fitchville silt loam, 2 to 6 percent slopes	Fitchville	90	Terraces,lake plains	No	—
	Shoals	3	Flood plains	No	—
	Sebring	3	Terraces	Yes	2,3
	Holly	2	Flood plains	Yes	2,4
	Glenford	2	Terraces	No	—
FoA: Fox gravelly loam, 0 to 2 percent slopes	Fox	100	Terraces	No	—
FoB: Fox gravelly loam, 2 to 6 percent slopes	Fox	95	Terraces	No	—
	Ockley	3	Terraces	No	—
	Bogart	2	Terraces	No	—
FoC: Fox gravelly loam, 6 to 12 percent slopes	Fox	95	Terraces,kames	No	—
	Ockley	3	Terraces	No	—
	Bogart	2	Terraces	No	—
FoD: Fox gravelly loam, 12 to 25 percent slopes	Fox	95	Terraces,kames	No	—
	Bogart	3	Terraces	No	—

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	Jimtown	2	Terraces	No	—
GhB: 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	—
GhC: 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	—
GkC: Gilpin silt loam, 6 to 15 percent slopes	Gilpin	85	Hills	No	—
	severely eroded areas	5	—	—	—
	Coshocton	5	Hills	—	—
	moderately well drained soils	5	—	—	—
	bedrock at 40 to 60 inches		—	—	—
	more stones in the surface layer		—	—	—
	bedrock at 10 to 20 inches		—	—	—
GnA: Glenford silt loam, 0 to 2 percent slopes	Glenford	90	Terraces,lake plains	No	—
	Glenford, gravelly substratum	5	—	—	—
	Fitchville	5	Terraces,lake plains	No	—
GnB: Glenford silt loam, 2 to 6 percent slopes	Glenford	90	Hills,terraces	No	—
	Sebring	5	Terraces	Yes	2,3
	Fitchville	5	Terraces,lake plains	No	—
GnC: Glenford silt loam, 6 to 12 percent slopes	Glenford	85	Hills	No	—
	Bogart	5	Terraces	No	—
	Fitchville	5	Terraces,lake plains	No	—
	Holly	5	Terraces	Yes	2,3
GoB: Germano sandy loam, 2 to 6 percent slopes	Germano	85	Hills	No	—
	Aaron	15	Hills	—	—
	less sand in the subsoil		—	—	—

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GpC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	90	Hills	No	—
	Brownsville	5	Hills	—	—
	Coshocton	5	Hills	—	—
GrB: Gresham silt loam, 2 to 6 percent slopes	Gresham	85	Depressions on till plains, drainageways on till plains	No	—
	Holly	5	Flood plains	Yes	2,4
	Orrville	5	Flood plains	No	—
	Jimtown	5	Terraces	No	—
HaB: Hanover silt loam, 2 to 6 percent slopes	Hanover	95	Till plains	No	—
	wetter soils around springs, wet spots, and drainageways	5	—	—	—
	Titusville		Till plains, benches	—	—
	stony soils		—	—	—
	broken rock within 40 inches		—	—	—
HaC: Hanover silt loam, 6 to 12 percent slopes	Hanover	95	Till plains	No	—
	wetter soils around seeps and springs	5	—	—	—
	Loudonville		Hills	—	—
	Titusville		Till plains, benches	—	—
	Chili		Terraces	—	—
HaC2: Hanover silt loam, 6 to 12 percent slopes, moderately eroded	Hanover	100	Till plains	No	—
	stony or gravelly soils		—	—	—
	bedrock within 40 inches		—	—	—
	Titusville		Till plains, benches	—	—
HaD: Hanover silt loam, 12 to 18 percent slopes	Hanover	95	Till plains	No	—
	wetter soils around springs and seeps and along drainageways	5	—	—	—
	Titusville		Till plains, benches	—	—
	broken rock at 3 to 4 feet		—	—	—
	stony or gravelly soils		—	—	—
	eroded areas		—	—	—

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HaE: Hanover silt loam, 18 to 25 percent slopes	Hanover	85	Till plains	No	—
	soils similar to Holly	4	Drainageways	Yes	2,4
	soils similar to Shoals	4	—	—	—
	wetter soils around seeps and springs	4	—	—	—
	gullied areas	3	—	—	—
	slopes of more than 25 percent		—	—	—
	Chili		Terraces	—	—
	eroded areas		—	—	—
	solid bedrock or broken rock at 3 to 5 feet		—	—	—
	stones and boulders on the surface		—	—	—
Ho: Holly silt loam, frequently flooded	Holly	90	Flood plains	Yes	2,4
	Orrville	5	Flood plains	No	—
	Shoals	5	Flood plains	No	—
HrC: Homewood silt loam, 6 to 15 percent slopes	Homewood	85	Till plains	No	—
	Loudon	8	Till plains	—	—
	soils with no fragipan	7	—	—	—
	eroded areas		—	—	—
HwB: Homewood silt loam, 2 to 6 percent slopes	Homewood	85	Till plains	No	—
	Unnamed, no fragipan	10	—	—	—
	Gresham	5	Moraines,till plains	No	—
HwC: Homewood silt loam, 6 to 12 percent slopes	Homewood	90	Drainageways on till plains	No	—
	Mechanicsburg	3	Till plains	—	—
	Chili	3	Terraces	No	—
	Gresham	2	Moraines,till plains	No	—
	Orrville	2	Flood plains	No	—
HwD2: Homewood silt loam, 12 to 18 percent slopes, eroded	Homewood	90	Till plains	No	—
	Chili	3	Terraces	No	—
	Loudonville	3	Hills	No	—
	Orrville	2	Flood plains	No	—

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	Gresham	2	Moraines,till plains	No	—
HwE2: Homewood silt loam, 18 to 25 percent slopes, eroded	Homewood	90	Till plains	No	—
	Mechanicsburg	4	Till plains	—	—
	Loudonville	3	Hills	No	—
	Gresham	2	Moraines,till plains	No	—
	Chili	1	Terraces	No	—
JmA: Jimtown silt loam, 0 to 2 percent slopes	Jimtown	90	Terraces,alluvial fans,outwash plains	No	—
	more clayey substratum	5	—	—	—
	Poorly drained soils	5	Terraces	Yes	2,3
JmB: Jimtown silt loam, 2 to 6 percent slopes	Jimtown	90	Terraces,alluvial fans,outwash plains	No	—
	poorly drained soils	3	Terraces	Yes	2,3
	Bogart	3	Terraces	No	—
	more clayey substratum	2	—	—	—
	bedrock substratum	2	—	—	—
La: Landes fine sandy loam, occasionally flooded	Landes	95	Flood plains	No	—
	Medway	3	Flood plains	No	—
	Tioga	1	Flood plains	No	—
	short slopes	1	—	—	—
Ld: Landes loam, occasionally flooded	Landes	90	Flood plains	No	—
	light colored surface layer	5	—	—	—
	moderately well drained soils	5	—	—	—
LfB: Latham silt loam, 2 to 6 percent slopes	Latham	100	Hills	No	—
	solid bedrock within 40 inches		—	—	—
	thin layer of till over shale		—	—	—
	wetter soils around wet spots		—	—	—
LfC: Latham silt loam, 6 to 12 percent slopes	Latham	95	Hills	No	—
	wetter soils around seeps and springs	5	—	—	—

Hydric Soil List - All Components--OH083-Knox County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	stones and a thin layer of till on the surface		—	—	—
	eroded areas with silty clay loam surface layer		—	—	—
	slopes of 12 to 18 percent		—	—	—
	slopes of less than 6 percent		—	—	—
	solid bedrock within 40 inches		—	—	—
Ln: Linwood muck	Linwood	90	Depressions on terraces, depressions on till plains, depressions on lake plains, flood plains	Yes	1,3
	Carlisle	5	Depressions	Yes	1,3
	Luray	5	Depressions	Yes	2,3
Lo: Lobdell silt loam, 0 to 3 percent slopes, occasionally flooded	Lobdell	75-95	Flood plains	No	—
	Holly	0-10	Flood plains	Yes	2
	Melvin	0-10	Backswamps	Yes	2
	Orrville	0-10	Flood plains	No	—
LuC: Loudonville silt loam, 6 to 15 percent slopes	Loudonville	90	Hills	No	—
	moderately well drained soils	10	—	—	—
	no layer of glacial till		—	—	—
	bedrock at 40 to 60 inches		—	—	—
	eroded areas		—	—	—
LuD: Loudonville silt loam, 15 to 20 percent slopes	Loudonville	85	Hills	No	—
	Coshocton	15	Hills	—	—
	bedrock at 10 to 20 inches		—	—	—
	bedrock at 40 to 60 inches		—	—	—
LvB: Loudonville silt loam, 2 to 6 percent slopes	Loudonville	90	Hills	No	—
	Mechanicsburg	5	Till plains	—	—
	Mod. well drained soils	3	—	—	—
	SPD soils	2	—	—	—

Hydric Soil List - All Components--OH083-Knox County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
LvC: Loudonville silt loam, 6 to 12 percent slopes	Loudonville	90	Hills	No	—
	Mechanicsburg	4	Till plains	—	—
	Mod. well drained soils	4	—	—	—
	SPD soils	2	—	—	—
LvD: Loudonville silt loam, 12 to 18 percent slopes	Loudonville	90	Hills	No	—
	Mod. well drained soils	3	—	—	—
	channery surface	3	—	—	—
	Berks	2	Hills	—	—
	SPD soils	2	—	—	—
LvE: Loudonville silt loam, 18 to 25 percent slopes	Loudonville	90	Hills	No	—
	Mechanicsburg	4	Till plains	—	—
	Berks	2	Hills	—	—
	Mod. well drained soils	2	—	—	—
	SPD soils	2	—	—	—
Ly: Luray silty clay loam	Luray	90	Depressions on lake plains	Yes	2,3
	Luray, gravelly substratum	5	Depressions on lake plains	Yes	2,3
	Luray, clayey substratum	5	Depressions on lake plains	Yes	2,3
Md: Medway silt loam, occasionally flooded	Medway	95	Flood plains	No	—
	Landes	3	Flood plains	No	—
	Sloan	2	Flood plains	Yes	2
OcA: Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Ockley	80-95	Outwash terraces	No	—
	Fox	0-10	Terraces, outwash plains	No	—
	Eldean	0-10	Outwash terraces	No	—
	Sleeth	0-10	Stream terraces, outwash terraces	No	—
OcB: Ockley silt loam, Southern Ohio Till Plain, 2 to 6 percent slopes	Ockley	80-90	Outwash terraces	No	—
	Fox	0-10	Terraces, outwash plains	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Sleeth	0-10	Stream terraces,outwash terraces	No	—
	Eldean	0-10	Outwash terraces	No	—
Or: Orrville silt loam, occasionally flooded	Orrville	85	Flood plains	No	—
	Lobdell	5	Flood plains	No	—
	Orrville,channey substratum	5	—	—	—
	Holly	5	Flood plains	Yes	2,4
Pb: Pewamo silt loam, overwash	Pewamo	100	Depressions on till plains	Yes	2
	loam surface layer		Depressions on till plains	Yes	2
	sandy loam surface layer		Depressions on till plains	Yes	2
	slopes of 2 to 4 percent		Depressions on till plains	Yes	2
Pc: Pewamo silty clay loam	Pewamo	90	Flats on till plains,depressions on till plains	Yes	2,3
	Bennington	10	Flats on ground moraines,rises on ground moraines,rises on end moraines,flats on end moraines	No	—
Pg: Pits, gravel	Pits	90	—	Unranked	—
	poorly drained soils	10	Outwash terraces	Yes	2
Pu: Pits, quarry	Pits	100	—	Unranked	—
RcC: Richland silt loam, 6 to 15 percent slopes	Richland	85	Hills	No	—
	Coshocton	8	Hills	—	—
	stones on the surface	7	—	—	—
	less sand in the subsoil		—	—	—
	more rock fragments in the surface layer		—	—	—
ReC: Rigley sandy loam, 8 to 15 percent slopes	Rigley	85	Hills	No	—
	Coshocton	5	Hills	—	—
	Hazleton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
ReD: Rigley sandy loam, 15 to 25 percent slopes	Rigley	85	Hills	No	—
	Coshocton	5	Hills	—	—

Hydric Soil List - All Components--OH083-Knox County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Hazleton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
RgB: Rigley sandy loam, 2 to 6 percent slopes	Rigley	90	Ridges on hills, benches on hills	No	—
	Germano	5	Hills	—	—
	Rigley, shale substr.	3	—	—	—
	Rigley, stony	2	—	—	—
RgC: Rigley sandy loam, 6 to 12 percent slopes	Rigley	85	Ridges on hills, benches on hills	No	—
	Rigley, sandstone substratum	7	—	—	—
	Rigley, shale substr.	5	—	—	—
	Rigley, stony	3	—	—	—
RgD: Rigley sandy loam, 12 to 18 percent slopes	Rigley	85	Hills	No	—
	Rigley, stony	5	—	—	—
	Rigley, shale substratum	5	—	—	—
	Schaffemaker	5	Hills	No	—
RhE: Rigley-Coshocton complex, 18 to 25 percent slopes	Rigley	40	Hills	No	—
	Coshocton	30	Hills	No	—
	Hazleton	10	Hills	—	—
	Library Variant	10	—	—	—
	Rigley, stony	5	—	—	—
	Rigley over Coshocton	5	—	—	—
RmB: Rittman silt loam, 2 to 6 percent slopes	Rittman	95	Ridges on till plains	No	—
	Condit	2	Ground moraines	Yes	2,3
	Wadsworth	2	Till plains	No	—
	Rittman, severely eroded	1	Till plains	—	—
RmC2: Rittman silt loam, 6 to 12 percent slopes, eroded	Rittman	90	Hills on till plains, drainageways on till plains	No	—
	Wadsworth	5	Till plains	No	—
	local wash	3	Hills	No	—
	Rittman, severely eroded	2	Till plains	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RyC: Rigley sandy loam, 6 to 15 percent slopes	Rigley	85	Hills	No	—
	moderately well drained soils	8	—	—	—
	shale in the substratum	7	—	—	—
	bedrock at 20 to 40 inches		—	—	—
	more clay in the subsoil		—	—	—
	eroded areas		—	—	—
RyD: Rigley sandy loam, 15 to 25 percent slopes	Rigley	85	Hills	No	—
	moderately well drained soils	8	—	—	—
	shale in the substratum	7	—	—	—
	more rock fragments in the surface layer		—	—	—
	less sand in the surface layer		—	—	—
ScD: Schaffemaker loamy sand, 12 to 25 percent slopes	Schaffemaker	95	Hills,ridges	No	—
	Schaffemaker, deep	2	—	No	—
	Rock outcrop, coarse grained	1	—	—	—
	Rigley	1	Hills	No	—
	Schaffemaker, very stony	1	Hills	No	—
SdF: Schaffemaker very bouldery loamy sand, 25 to 60 percent slopes	Schaffemaker	95	Hills,ridges	No	—
	Schaffemaker, deep	3	—	No	—
	Rigley	1	Hills	No	—
	Rock outcrop, coarse grained	1	—	—	—
Se: Sebring silt loam	Sebring	85	Depressions on terraces,valleys	Yes	2,3
	Sebring, gravelly substratum	10	Depressions on terraces,valleys	Yes	2,3
	Luray	5	Depressions	Yes	2,3
Sh: Shoals silt loam, 0 to 2 percent slopes, occasionally flooded	Shoals	80-100	Flood plains	No	—
	Sloan	0-9	Flood plains	Yes	2
	Eel	0-9	Flood plains	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Sk: Shoals loam, coarse subsoil variant	Shoals Variant	95	Flood plains	No	—
	non-calcerous surface layer and subsoil	5	—	—	—
	moderately well drained soils		—	—	—
	gravelly loam surface layer		—	—	—
	gravelly loam substratum		—	—	—
	sandy loam surface layer		—	—	—
Sn: Sloan silt loam, occasionally flooded	Sloan	90	Depressions on flood plains	Yes	2
	Linwood	5	Depressions	Yes	1,3
	Medway	5	Flood plains	No	—
Tg: Tioga fine sandy loam, occasionally flooded	Tioga	90	Natural levees on flood plains	No	—
	Shoals	5	Flood plains	No	—
	Holly	3	Flood plains	Yes	2,4
	short slopes	2	—	—	—
To: Tioga loam, occasionally flooded	Tioga	90	Flood plains	No	—
	Orrville	5	Flood plains	—	—
	Melvin	5	Flood plains	Yes	2
TvB: Titusville silt loam, 2 to 6 percent slopes	Titusville	90	Till plains	No	—
	Coshocton	4	Hills	No	—
	Gresham	4	Moraines,till plains	No	—
	poorly drained soils	2	Draws	Yes	2
TvC: Titusville silt loam, 6 to 12 percent slopes	Titusville	85	Valleys on till plains	No	—
	Gresham	10	Moraines,till plains	No	—
	Coshocton	3	Hills	No	—
	Titusville, lacustrine substratum	2	—	—	—
TwC: Titusville silt loam, 6 to 15 percent slopes	Titusville	85	Benches	No	—
	Loudon	5	Till plains	—	—
	poorly drained soils	5	Depressions,hills	Yes	2
	soils with no fragipan, in dissected areas	5	—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	well drained soils		—	—	—
	eroded areas		—	—	—
Ud: Udorthents, loamy	Udorthents	100	—	No	—
W: Water	Water	100	—	Unranked	—
WaB: Wadsworth silt loam, 1 to 4 percent slopes	Wadsworth	85	Depressions on till plains	No	—
	Holly	5	Terraces	Yes	2,3
	Condit	5	Ground moraines	Yes	2,3
	Rittman	3	Till plains	No	—
	Canfield	2	Moraines,till plains	No	—
WeD: Westmoreland silt loam, 15 to 25 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	85	Hills	No	—
	somewhat poorly drained soils	5	—	—	—
	Coshocton	5	Hills	—	—
	very stony areas	5	—	—	—
	bedrock at 20 to 40 inches		—	—	—
	seasonal high water table at 4 to 6 feet		—	—	—
	more sand in the subsoil		—	—	—
WmD2: Westmoreland silt loam, 15 to 25 percent slopes, eroded	Westmoreland	85	Hills	No	—
	Coshocton	10	Hills	—	—
	Rigley	5	Hills	—	—
WrD: Watertown sandy loam, 15 to 25 percent slopes	Watertown	90	Terraces	No	—
	more gravel in the subsoil	10	—	—	—
	more gravel in the surface layer		—	—	—
WsB: Wooster silt loam, 2 to 6 percent slopes	Wooster	90	Hills on till plains	No	—
	Loudonville	5	Hills	No	—
	Mechanicsburg	5	Till plains	—	—

Hydric Soil List - All Components--OH083-Knox County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WsB2: Wooster silt loam, 2 to 6 percent slopes, moderately eroded	Wooster	100	Hills on till plains	No	—
	broken rock below 4 feet		—	—	—
	Canfield		Moraines,till plains	—	—
WsC: Wooster silt loam, 6 to 12 percent slopes	Wooster	90	Hills on till plains,drainageways on till plains	No	—
	Mechanicsburg	5	Till plains	—	—
	Loudonville	3	Hills	No	—
	local wash	2	Hills	No	—
WsC2: Wooster silt loam, 6 to 12 percent slopes, moderately eroded	Wooster	100	Till plains	No	—
	bedrock at 40 to 60 inches		—	—	—
	Canfield		Moraines,till plains	—	—
	stony soils		—	—	—
WsD2: Wooster silt loam, 12 to 18 percent slopes, eroded	Wooster	90	Hills on till plains,hills on moraines	No	—
	Mechanicsburg	3	Till plains	—	—
	Shoals	3	Flood plains	No	—
	Wooster, sev. eroded	2	Moraines,till plains	—	—
	Holly	2	Flood plains	Yes	2,4
WsE2: Wooster silt loam, 18 to 40 percent slopes, eroded	Wooster	90	Hills on till plains,hills on moraines	No	—
	Mechanicsburg	5	Till plains	—	—
	Shoals	3	Flood plains	No	—
	Wadsworth	2	Till plains	No	—
WsF: Wooster silt loam, 25 to 40 percent slopes	Wooster	85	Till plains	No	—
	wetter soils around springs and seeps	5	—	—	—
	soils similar to Holly	5	Drainageways	Yes	2,4
	soils similar to Shoals	5	—	—	—
	bedrock at 60 inches		—	—	—
	bedrock at 60 inches		—	—	—
	stones and boulders on the surface		—	—	—

Data Source Information

Soil Survey Area: Knox County, Ohio
Survey Area Data: Version 12, Sep 19, 2014