

## 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--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AoC2: Aaron silty clay loam, 6 to 15 percent slopes, eroded	Aaron	85	Hills	No	—
	Coshocton	4	Hills	—	—
	Gilpin	4	Hills	—	—
	Berks	4	Hills	—	—
	somewhat poorly drained soils	3	—	—	—
	carbonates closer to the surface		—	—	—
	silt loam surface layer		—	—	—
	better drained soils		—	—	—
BeB: Berks channery silt loam, 2 to 6 percent slopes	Berks	85	Hills	No	—
	Gilpin	10	Hills	No	—
	Coshocton	5	Hills	No	—
BeC: Berks channery silt loam, 6 to 15 percent slopes	Berks	85	Hills	No	—
	Gilpin	10	Hills	No	—
	Guernsey	5	Hills	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	—
BkB: Berks channery silt loam, 3 to 8 percent slopes	Berks	80-90	Ridges	No	—
	Weikert	0-10	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
BkC: Berks channery silt loam, 8 to 15 percent slopes	Berks	75-90	Ridges	No	—
	Weikert	0-15	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
BkD: Berks shaly silt loam, 15 to 25 percent slopes	Berks	90	Hills	No	—
	Gilpin	4	Hills	—	—
	Guernsey	3	Hills	—	—
	bedrock at 10 to 20 inches	3	—	—	—

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B1C: Berks-Aaron complex, 6 to 15 percent slopes	Berks	60	Hills	No	—
	Aaron	25	Hills	No	—
	Westmoreland	3	Hills	—	—
	shallow soils	3	—	—	—
	somewhat poorly drained soils	3	—	—	—
	Gilpin	3	Hills	—	—
	Coshocton	3	Hills	—	—
BmC: Berks-Guernsey complex, 8 to 15 percent slopes	Berks	55	Hills	No	—
	Guernsey	30	Hills	No	—
	Westmoreland	4	Hills	—	—
	Coshocton	4	Hills	—	—
	Gilpin	4	Hills	—	—
	somewhat poorly drained soils in seeps	3	—	—	—
	better drained Guernsey		—	—	—
	Berks with fewer rock fragments in the surface layer		—	—	—
BmD: Berks-Guernsey complex, 15 to 25 percent slopes	Berks	55	Hills	No	—
	Guernsey	30	Hills	No	—
	somewhat poorly drained soils in seeps	3	—	—	—
	bedrock at 10 to 20 inches	3	—	—	—
	Gilpin	3	Hills	—	—
	Coshocton	3	Hills	—	—
	Westmoreland	3	Hills	—	—
	Berks with fewer rock fragments in the surface layer		—	—	—
	eroded Guernsey with a silty clay loam surface layer		Hills	—	—
	better drained Guernsey		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BmE: Berks-Guernsey complex, 25 to 40 percent slopes	Berks	55	Hills	No	—
	Guernsey	30	Hills	No	—
	Coshocton	3	Hills	—	—
	Gilpin	3	Hills	—	—
	Westmoreland	3	Hills	—	—
	somewhat poorly drained soils in seeps	3	—	—	—
	bedrock at 10 to 20 inches	3	—	—	—
	well drained Guernsey		—	—	—
BnD: Bethesda silt loam, 8 to 25 percent slopes	Bethesda	90	Hills	No	—
	soils that were covered during mining activities	10	—	—	—
	moderately acid to slightly alkaline in the substratum		—	—	—
	channery loam surface layer		—	—	—
	loam surface layer		—	—	—
BpC: Bethesda very channery clay loam, 3 to 15 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	10	—	Yes	2,3
	highwalls	3	—	—	—
	very steep areas	2	—	—	—
	toxic areas		—	—	—
	moderately acid or slightly acid substratum		—	—	—
	channery clay loam surface layer		—	—	—
BpF: Bethesda very channery clay loam, 25 to 70 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	barren toxic areas	2	—	—	—
	gently sloping and sloping areas	2	—	—	—
	highwalls	1	—	—	—
	slips		—	—	—
	few large stones on the surface		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BsC: Brookside silty clay loam, 8 to 15 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
BsD: Brookside silty clay loam, 15 to 25 percent slopes	Brookside	75-85	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
BsE: Brookside silty clay loam, 25 to 40 percent slopes	Brookside	75-85	Hillslopes	No	—
	Clarksburg	5-15	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
CkD: 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
CmD: Clarksburg-Urban land complex, 15 to 25 percent slopes	Clarksburg	60	Hills	No	—
	Urban land	30	—	Unranked	—
	disturbed Clarksburg	3	—	—	—
	Brookside	3	Hills	—	—
	Westmoreland on steep slopes	2	Hills	—	—
	Richland	2	Hills	—	—
CnB: Coshocton silt loam, 1 to 7 percent slopes	less sand and rock fragments in the solum		—	—	—
	Coshocton	85	Hills	No	—
	Berks	4	Hills	—	—
	Gilpin	4	Hills	—	—
	Keene	4	Hills	—	—
	bedrock at 20 to 40 inches	3	—	—	—
CoB: Coshocton silt loam, 2 to 6 percent slopes	more clay in the subsoil		—	—	—
	Coshocton	90	Hills	No	—
	Gilpin	10	Hills	No	—

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CoC: Coshocton silt loam, 6 to 15 percent slopes	Coshocton	85	Hills	No	—
	Gilpin	15	Hills	No	—
DkE: Dekalb channery loam, 25 to 40 percent slopes	Dekalb	90	Hills	No	—
	Westmoreland	10	Hills	—	—
	fewer rock fragments in the subsoil		—	—	—
DkF: Dekalb channery loam, 40 to 70 percent slopes	Dekalb	85	Hills	No	—
	Westmoreland	15	Hills	—	—
Ds: Dumps, mine	Dumps	100	—	Unranked	—
EbC2: Elba silty clay loam, 8 to 15 percent slopes, eroded	Elba	95	Hills	No	—
	Berks	3	Hills	—	—
	Westmoreland	2	Hills	—	—
	moderately well drained soils		—	—	—
	silty clay surface layer		—	—	—
	slightly acid or neutral substratum; deeper to carbonates		—	—	—
	reddish brown subsoil and substratum		—	—	—
EbD2: Elba silty clay loam, 15 to 25 percent slopes, eroded	Elba	95	Hills	No	—
	Berks	3	Hills	—	—
	Westmoreland	2	Hills	—	—
	slightly acid or neutral substratum; deeper to carbonates		—	—	—
	moderately well drained soils		—	—	—
	silty clay surface layer		—	—	—
FaC: Fairpoint silt loam, 3 to 15 percent slopes	Fairpoint	95	Hills	No	—
	depressions where water ponds	3	—	—	—
	soils that were covered during mining activities	2	—	—	—
	extremely acid to strongly acid substratum		—	—	—

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	slightly alkaline or moderately alkaline substratum		—	—	—
	channery silt loam surface layer		—	—	—
	silty clay loam surface layer		—	—	—
FbC: Fairpoint very shaly clay loam, 3 to 15 percent slopes	Fairpoint	85	Hills	No	—
	poorly drained soils	10	—	Yes	2,3
	highwalls	3	—	—	—
	very steep areas	2	—	—	—
	channery clay loam surface layer		—	—	—
	extremely acid to strongly acid substratum		—	—	—
	slightly alkaline or moderately alkaline substratum		—	—	—
	slopes of 25 to 40 percent		—	—	—
FbF: Fairpoint very shaly clay loam, 25 to 70 percent slopes	Fairpoint	90	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	channery clay loam surface layer		—	—	—
	extremely acid to strongly acid substratum		—	—	—
	slightly alkaline or moderately alkaline substratum		—	—	—
	slopes of 8 to 25 percent		—	—	—
FcB: Fitchville variant silt loam, 1 to 6 percent slopes	Fitchville Variant	90	Terraces	No	—
	Melvin	5	Flood plains	Yes	2,3,4
	Orrville	3	Flood plains	—	—
	Richland	2	Hills	—	—
	grayer subsoil		—	—	—
	less gravel and more clay in the subsoil		—	—	—

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GkB: Gilpin silt loam, 2 to 6 percent slopes	Gilpin	85	Hills	No	—
	Coshocton	8	Hills	—	—
	Berks	7	Hills	—	—
	loam surface layer		—	—	—
	bedrock at 40 to 60 inches		—	—	—
GkC: Gilpin silt loam, 6 to 15 percent slopes	Gilpin	85	Hills	No	—
	Coshocton	10	Hills	No	—
	Berks	5	Hills	No	—
GmC: Gilpin-Coshocton complex, 6 to 15 percent slopes	Gilpin	55	Hills	No	—
	Coshocton	30	Hills	No	—
	Berks	8	Hills	—	—
	Guernsey	7	Hills	—	—
	well drained soils with bedrock at 40 to 60 inches		—	—	—
GnB: Gilpin silt loam, 3 to 8 percent slopes	Gilpin	75-100	Ridges	No	—
	Berks	0-15	Ridges	No	—
	Coolville	0-10	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
GnC: 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	—
GnD: Gilpin silt loam, 15 to 25 percent slopes	Gilpin	70-100	Hillslopes	No	—
	Coshocton	0-15	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
	Coolville	0-10	Hillslopes	No	—
GoC: Gilpin-Coshocton silt loams, 8 to 15 percent slopes	Gilpin	50	Hills	No	—
	Coshocton	40	Hills	No	—
	Berks	5	Hills	—	—
	Guernsey	5	Hills	—	—

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	less sand and fewer shale fragments than Coshocton		—	—	—
	Gilpin with a loam surface layer		Hills	—	—
	more sand and less clay in the subsoil than Gilpin		—	—	—
	Coshocton with a loam surface layer		Hills	—	—
	more than 40 inches to bedrock		—	—	—
GoD: Gilpin-Coshocton silt loams, 15 to 25 percent slopes	Gilpin	55	Hills	No	—
	Coshocton	30	Hills	No	—
	Berks	8	Hills	—	—
	Guernsey	7	Hills	—	—
	more sand and less clay in the subsoil than Gilpin		—	—	—
	Coshocton with a loam surface layer		Hills	—	—
	Gilpin-like soil more than 40 inches to bedrock		—	—	—
GpC: Gilpin-Lowell silt loams, 8 to 15 percent slopes	Gilpin	55	Hills	No	—
	Lowell	35	Hills	No	—
	Berks	10	Hills	—	—
	less well drained Lowell		—	—	—
	less clay and more silt in the upper subsoil than Lowell		—	—	—
	Lowell with a silty clay loam surface layer		Hills	—	—
	Gilpin-like soil more than 40 inches to bedrock		—	—	—
GpD: Gilpin-Lowell silt loams, 15 to 25 percent slopes	Gilpin	50-60	Hillslopes	No	—
	Lowell	30-40	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
GrC: Gilpin-Lowell complex, 6 to 15 percent slopes	Gilpin	55	Hills	No	—
	Lowell	30	Hills	No	—

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	Berks	15	Hills	—	—
	silty clay loam surface layer		—	—	—
	medium textured soils with bedrock at 40 to 60 inches		—	—	—
	wetter soils		—	—	—
GsB: 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
GsC: Glenford silt loam, 8 to 15 percent slopes	Glenford	75-95	Terraces	No	—
	Mentor	0-20	Terraces	No	—
	Fitchville	0-10	Terraces	No	—
GtC: Germano fine sandy loam, 6 to 15 percent slopes	Germano	85	Hills	No	—
	Dekalb	8	Hills	—	—
	Gilpin	7	Hills	—	—
	loam surface layer		—	—	—
GtD: Germano fine sandy loam, 15 to 25 percent slopes	Germano	85	Hills	No	—
	Dekalb	8	Hills	—	—
	Gilpin	7	Hills	—	—
	loam surface layer		—	—	—
GuB: Guernsey silt loam, 1 to 7 percent slopes	Guernsey	85	Hills	No	—
	Keene	8	Hills	—	—
	somewhat poorly drained soils	7	—	—	—
	thicker subsoil, and more rock fragments		—	—	—
GvC2: Guernsey silty clay loam, 7 to 15 percent slopes, eroded	Guernsey	85	Hills	No	—
	Berks	5	Hills	—	—
	Coshocton	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	silt loam surface layer		—	—	—
	calcareous substratum, thinner solum, better drained		—	—	—

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GyC: Guernsey silt loam, 6 to 15 percent slopes	Guernsey	85	Hills	No	—
	Berks	4	Hills	—	—
	Coshocton	4	Hills	—	—
	Gilpin	4	Hills	—	—
	seepy areas	3	—	—	—
	well drained soils with carbonates at shallower depths		—	—	—
	silty clay loam surface layer		—	—	—
HeE: Hazleton channery loam, 25 to 40 percent slopes	Hazleton	90	Hills	No	—
	Westmoreland	10	Hills	No	—
HfE: Hazleton-Summitville complex, 15 to 40 percent slopes	Hazleton	50	Hills	No	—
	Summitville	30	Hills	No	—
	fine textured soils with bedrock at 20 to 40 inches	10	—	—	—
	Rigley	10	Hills	—	—
	Hazleton-like soil with bedrock at 20 to 40 inches		—	—	—
	Summitville with a sandy loam surface layer		Hills	—	—
	more silt in the subsoil than Hazleton		—	—	—
HgE: Hazleton-Westmoreland complex, 25 to 40 percent slopes	Hazleton with a loam surface layer		Hills	—	—
	better drained Summitville		—	—	—
	Hazleton	55	Hills	No	—
	Westmoreland	30	Hills	No	—
	Lowell	5	Hills	—	—
	Rigley	5	Hills	—	—
	Summitville	5	Hills	—	—
less well drained Westmoreland		—	—	—	

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Hazleton-like soil with bedrock at 20 to 40 inches		—	—	—
	Hazleton with a loam surface layer		Hills	—	—
HgF: Hazleton-Westmoreland complex, 40 to 70 percent slopes	Hazleton	55	Hills	No	—
	Westmoreland	30	Hills	No	—
	Summitville	5	Hills	—	—
	Lowell	5	Hills	—	—
	Rigley	5	Hills	—	—
	Hazleton-like soil with bedrock at 20 to 40 inches		—	—	—
	less well drained Westmoreland		—	—	—
	Hazleton with a loam surface layer		Hills	—	—
KeB: Keene silt loam, 3 to 8 percent slopes	Keene	80-100	Ridges	No	—
	Gilpin	0-20	Ridges	No	—
KnB: Keene silt loam, 2 to 6 percent slopes	Keene	85	Hills	No	—
	Aaron	8	Hills	—	—
	Gilpin	7	Hills	—	—
	soils with a thicker layer of silt loam		—	—	—
LmC: Lowell silt loam, 6 to 15 percent slopes	Lowell	85	Hills	No	—
	Berks	8	Hills	—	—
	Westmoreland	7	Hills	—	—
	silty clay loam surface layer		—	—	—
	bedrock at 20 to 40 inches		—	—	—
	moderately well drained soils		—	—	—
LnB: Lowell silt loam, 1 to 7 percent slopes	Lowell	90	Hills	No	—
	Keene	5	Hills	—	—
	Gilpin	5	Hills	—	—
	less clay and more silt in the upper part of the subsoil		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	silty clay loam surface layer		—	—	—
LnC: Lowell silt loam, 8 to 15 percent slopes	Lowell	80-90	Hills	No	—
	Culleoka	5-20	Hills	No	—
	Guernsey	5-20	Hillslopes	No	—
LoD2: Lowell silty clay loam, 15 to 25 percent slopes, eroded	Lowell	75-90	Hills	No	—
	Culleoka	5-25	Hills	No	—
	Guernsey	5-25	Hillslopes	No	—
LoE: Lowell silty clay loam, 25 to 40 percent slopes	Lowell	85	Hills	No	—
	Berks	8	Hills	—	—
	Westmoreland	7	Hills	—	—
	low chroma mottles in the lower part of the subsoil		—	—	—
	silty clay surface layer		—	—	—
LoE2: Lowell silty clay loam, 25 to 40 percent slopes, eroded	Lowell	85	Hills	No	—
	Berks	8	Hills	—	—
	Westmoreland	7	Hills	—	—
	carbonates in the subsoil		—	—	—
	moderately well drained soils		—	—	—
LoF: Lowell silty clay loam, 40 to 70 percent slopes	Lowell	90	Hills	No	—
	Westmoreland	5	Hills	—	—
	Berks	5	Hills	—	—
	silty clay surface layer		—	—	—
	low chroma mottles in the lower part of the subsoil		—	—	—
	carbonates within 30 inches		—	—	—
Me: Melvin silt loam, ponded	Melvin	90	Flood plains	Yes	2,3,4
	somewhat poorly drained soils	5	—	—	—
	ponded areas	5	Flood plains	Yes	2,3,4

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
MkD: Morrystown silty clay loam, 8 to 25 percent slopes	Morrystown	90	Hills	No	—
	soils that were covered by mining activities	10	—	—	—
	channery silty clay surface layer		—	—	—
MnA: Morrystown silty clay loam, 0 to 3 percent slopes	Morrystown	90	Hills	No	—
	depressions where water ponds	5	—	—	—
	soils that were covered during mining activities	5	—	—	—
MnC: Morrystown silty clay loam, 3 to 15 percent slopes	Morrystown	90	Hills	No	—
	soils that were covered during mining activities	5	—	—	—
	depressions where water ponds	5	—	—	—
	eroded areas		—	—	—
MnE: Morrystown silty clay loam, 15 to 40 percent slopes	Morrystown	95	Hills	No	—
	soils that were covered during mining activities	5	—	—	—
	eroded areas		—	—	—
MoA: Morrystown shaly silty clay loam, 0 to 3 percent slopes, stony	Morrystown	95	Hills	No	—
	poorly drained soils	5	—	Yes	2,3
	very channery silty clay loam surface layer		—	—	—
	extremely acid to neutral substratum		—	—	—
MoC: Morrystown shaly silty clay loam, 3 to 15 percent slopes, stony	Morrystown	85	Hills	No	—
	poorly drained soils	10	Drainageways	Yes	2,3
	highwalls	3	—	—	—
	very steep areas	2	—	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	extremely acid to neutral substratum		—	—	—
	very channery silty clay loam surface layer		—	—	—
MpF: Morristown channery silt loam, 25 to 70 percent slopes, bouldery	Morristown	85	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	highwalls of exposed bedrock	3	—	—	—
	slopes of 6 to 15 percent	2	—	—	—
	very channery silty clay loam surface layer		—	—	—
	moderately acid to neutral in the substratum		—	—	—
MrF: Morristown shaly silty clay loam, 25 to 70 percent slopes, bouldery	Morristown	85	Hills	No	—
	poorly drained soils	10	Drainageways,hills	Yes	2,3
	highwalls	3	—	—	—
	strongly sloping areas	2	—	—	—
	channery silty clay loam surface layer		—	—	—
	extremely acid to neutral substratum		—	—	—
	channery clay loam surface layer		—	—	—
MuB: Morristown channery silty clay loam, 0 to 8 percent slopes, stony	Morristown	85	Hills	No	—
	poorly drained soils	10	—	Yes	2,3
	soils that were disturbed by mining activities	5	—	—	—
	moderately acid to neutral in the substratum		—	—	—
	very channery silty clay loam surface layer		—	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
MuD: Morrystown channery silty clay loam, 8 to 25 percent slopes, stony	Morrystown	85	Hills	No	—
	poorly drained soils	5	Drainageways	Yes	2,3
	slopes of 25 to 40 percent	5	—	—	—
	soils that were covered by mining activities	5	—	—	—
No: Nolin silt loam, 0 to 3 percent slopes, occasionally flooded	Nolin-Occasionally flooded	80-95	Flood plains	No	—
	Melvin-Occasionally flooded	0-20	Backswamps	Yes	2
	Newark-Frequently flooded	0-20	Flood plains	No	—
	Grigsby-Frequently flooded	0-20	Flood plains	No	—
OIC: Omulga silt loam, 6 to 15 percent slopes	Omulga	85	Terraces	No	—
	well drained soils with no fragipan	10	—	—	—
	poorly drained soils	5	Drainageways,hills	Yes	2,3
	more sand and rock fragments in surface layer and subsoil		—	—	—
	mottles in the upper part of the subsoil		—	—	—
Omm1B1: Omulga silt loam, mixed substratum, 2 to 6 percent slopes	Omulga-Mixed mineralogy substratum phase	75-100	Terraces	No	—
	Gilpin	0-15	Hills	No	—
	Allegheny	0-15	Stream terraces	No	—
	Doles	0-10	Terraces	No	—
	Vincent	0-10	Terraces	No	—
Omm1C1: Omulga silt loam, mixed substratum, 6 to 12 percent slopes	Omulga-Mixed mineralogy substratum phase	75-100	Terraces	No	—
	Gilpin	0-15	Hills	No	—
	Allegheny	0-15	Stream terraces	No	—
	Vincent	0-10	Terraces	No	—
Or: Orrville silt loam, occasionally flooded	Orrville	85	Flood plains	No	—
	Melvin	10	Abandoned channels, depressions	Yes	2,3,4

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Fitchville Variant	5	Terraces	—	—
	less clay and more sand and gravel in the subsoil		—	—	—
RaB: Richland silt loam, 2 to 6 percent slopes	Richland	85	Hills	No	—
	moderately well drained soils	8	—	—	—
	Nolin	7	Flood plains	—	—
	gravelly loam surface layer		—	—	—
RcB: Richland silt loam, 1 to 7 percent slopes	Richland	85	Hills	No	—
	poorly drained soils	5	Drainageways, depressions	Yes	2
	Tioga	4	Flood plains	—	—
	Fitchville Variant	3	Terraces	—	—
	Orrville	3	Flood plains	—	—
	less clay and more sand and rock fragments in the subsoil		—	—	—
	silty clay loam surface layer		—	—	—
	clay loam surface layer		—	—	—
RcC: Richland silt loam, 7 to 15 percent slopes	Richland	85	Hills	No	—
	Brookside	5	Hills	—	—
	Omulga	5	Terraces	—	—
	Clarksburg	5	Hills	—	—
	less clay and more sand and rock fragments in the subsoil		—	—	—
RgC: Rigley sandy loam, 8 to 15 percent slopes	Rigley	100	Hills	No	—
	bedrock at less than 62 inches		—	—	—
RgD: Rigley sandy loam, 15 to 25 percent slopes	Rigley	100	Hills	No	—
	bedrock at less than 64 inches		—	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
StB: Steinsburg-Rigley variant fine sandy loams, 3 to 8 percent slopes	Steinsburg	60	Hills	No	—
	Rigley Variant	25	Hills	No	—
	Dekalb	8	Hills	—	—
	Gilpin	7	Hills	—	—
	Steinsburg with a loam surface layer		Hills	—	—
StC: Steinsburg-Rigley variant fine sandy loams, 8 to 15 percent slopes	Steinsburg	60	Hills	No	—
	Rigley Variant	25	Hills	No	—
	Dekalb	8	Hills	—	—
	Gilpin	7	Hills	—	—
	Steinsburg with a loam surface layer		Hills	—	—
StD: Steinsburg-Rigley variant fine sandy loams, 15 to 25 percent slopes	Steinsburg	65	Hills	No	—
	Rigley Variant	20	Hills	No	—
	Dekalb	8	Hills	—	—
	Gilpin	7	Hills	—	—
	Steinsburg with a loam surface layer		Hills	—	—
Tf: Tioga loam, rarely flooded	Tioga	90	Flood plains	No	—
	Wheeling	5	Terraces	—	—
	Richland	5	Hills	—	—
	silt loam surface layer		—	—	—
Tg: Tioga silt loam, occasionally flooded	Tioga	90	Flood plains	No	—
	Melvin	5	Abandoned channels	Yes	2,3,4
	moderately well drained soils	3	—	—	—
	gently sloping alluvial fans	2	—	—	—
	loam surface layer		—	—	—
ToA: Tioga loam, 0 to 2 percent slopes, occasionally flooded	Tioga	90	Flood plains	No	—
	Orrville	5	Flood plains	No	—
	Poorly drained soils	5	Oxbows	Yes	2,4
Ua: Udorthents, loamy, 2 to 25 percent slopes	Udorthents-Loamy	85	Terraces, till plains, hills	Unranked	—
	Areas that have not been excavated	10	—	Unranked	—
	Urban land	5	—	Unranked	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Ub: Udorthents, loamy	Udorthents	90	—	Unranked	—
	bedrock escarpments	4	—	—	—
	urban land	3	—	—	—
	natural soils	3	—	—	—
Uc: Udorthents-Pits complex	Udorthents	70	—	Unranked	—
	Pits	20	—	Unranked	—
	natural soils	10	—	—	—
Ud: Udorthents-Urban land complex	Udorthents	60	—	Unranked	—
	Urban land	30	—	Unranked	—
	bedrock escarpments along highways	10	—	—	—
UKC2: Upshur-Berks complex, 6 to 15 percent slopes, eroded	Upshur	70	Hills	No	—
	Berks	20	Hills	No	—
	Guernsey	10	Hills	No	—
UpC2: Upshur silty clay loam, 8 to 15 percent slopes, eroded	Upshur	90	Hills	No	—
	Lowell	5	Hills	—	—
	Elba	5	Hills	—	—
	silty clay surface layer		—	—	—
	wetter areas		—	—	—
Ur: Urban land	Urban land	90	—	Unranked	—
	natural soils	5	—	—	—
	Udorthents	5	—	—	—
UsA: Urban land-Chavies complex, 0 to 3 percent slopes	Urban land	65	—	Unranked	—
	Chavies	35	Terraces	No	—
	more silt in the subsoil		—	—	—
UtC: Urban land-Gilpin-Lowell complex, 8 to 15 percent slopes	Urban land	40	—	Unranked	—
	Gilpin	35	Hills	No	—
	Lowell	25	Hills	No	—
	Lowell-like soil with less clay, more silt in upper subsoil		—	—	—
	Lowell with a silty clay loam surface layer		Hills	—	—
	Gilpin-like soils more than 40 inches to bedrock		—	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	areas covered with fill		—	—	—
	areas where the upper layer of soil has been removed		—	—	—
UtD: Urban land-Gilpin-Lowell complex, 15 to 25 percent slopes	Urban land	40	—	Unranked	—
	Gilpin	35	Hills	No	—
	Lowell	25	Hills	No	—
	Gilpin-like soils more than 40 inches to bedrock		—	—	—
	Lowell-like soil with less clay, more silt in upper subsoil		—	—	—
	areas where the upper layer of soil has been removed		—	—	—
	areas covered with fill		—	—	—
	Lowell with a silty clay loam surface layer		Hills	—	—
UvC: Urban land-Omulga complex, 3 to 15 percent slopes	Urban land	60	—	Unranked	—
	Omulga	35	Terraces	No	—
	poorly drained soils	5	Drainageways,hills	Yes	2
	disturbed Omulga		—	—	—
	mottles in the upper part of the subsoil		—	—	—
UwB: Urban land-Steinsburg complex, 3 to 8 percent slopes	Urban land	60	—	Unranked	—
	Steinsburg	30	Hills	No	—
	Wellston	5	Hills	—	—
	strongly sloping areas	5	—	—	—
	disturbed Steinsburg		—	—	—
	loam surface layer		—	—	—
	more clay in the subsoil		—	—	—
	more sandstone fragments in the subsoil		—	—	—
W: Water	Water	100	—	Unranked	—
WeB: Wellston silt loam, 1 to 7 percent slopes	Wellston	90	Hills	No	—
	Gilpin	10	Hills	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	wetter areas		—	—	—
	more sand in the subsoil		—	—	—
WkC: Westmoreland silt loam, 8 to 15 percent slopes	Westmoreland	75-90	Hills	No	—
	Coshocton	5-15	Hills	No	—
	Berks	5-15	Hills	No	—
WkD: Westmoreland silt loam, 15 to 25 percent slopes	Westmoreland	75-90	Hills	No	—
	Berks	5-15	Hills	No	—
	Coshocton	5-15	Hills	No	—
WmC: Westmoreland-Coshocton silt loams, 8 to 15 percent slopes	Westmoreland	55	Hills	No	—
	Coshocton	30	Hills	No	—
	Hazleton	5	Hills	No	—
	Berks	5	Hills	No	—
	Guernsey	5	Hills	No	—
WnE: Westmoreland-Dekalb complex, 25 to 40 percent slopes	Westmoreland	55	Hills	No	—
	Dekalb	30	Hills	No	—
	Rigley	15	Hills	—	—
	silt loam surface layer		—	—	—
	many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—	—
	gray mottles in the lower part of the subsoil		—	—	—
	channery loam surface layer		—	—	—
WtE: Westmoreland-Berks complex, 25 to 40 percent slopes	Westmoreland	50	Hills	No	—
	Berks	40	Hills	No	—
	Guernsey	10	Hills	—	—
	Berks-like soil with bedrock at more than 40 inches		—	—	—
	Berks-like soil with fewer rock fragments in the subsoil		—	—	—
	less well drained Westmoreland		—	—	—

Hydric Soil List - All Components--OH081-Jefferson County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WtF: Westmoreland-Berks complex, 40 to 70 percent slopes	Westmoreland	50	Hills	No	—
	Berks	40	Hills	No	—
	Guernsey	10	Hills	—	—
	less well drained Westmoreland		—	—	—
	Berks-like soil with bedrock at more than 40 inches		—	—	—
	Berks-like soil with fewer rock fragments in the subsoil		—	—	—
WuF: Westmoreland-Lowell complex, 40 to 70 percent slopes	Westmoreland	45	Hills	No	—
	Lowell	35	Hills	No	—
	Berks	10	Hills	—	—
	Hazleton	10	Hills	—	—
	wetter areas		—	—	—
WvA: Wheeling silt loam, 0 to 3 percent slopes	Wheeling	85	Terraces	No	—
	Nolin	4	Flood plains	—	—
	moderately well drained soils	4	—	—	—
	Tioga	4	Flood plains	—	—
	more gravel in the lower part of the subsoil	3	—	—	—
	silty clay loam surface layer		—	—	—
	more rocks-upper subsoil; more clay, less sand-substratum		—	—	—

## Data Source Information

Soil Survey Area: Jefferson County, Ohio  
 Survey Area Data: Version 13, Sep 18, 2014