

## 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—OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AaC2: Aaron silt loam, 6 to 12 percent slopes, eroded	Aaron	85	Hills	No	—
	Westgate	8	Hills	—	—
	Gilpin	7	Hills	—	—
	severely eroded soils		—	—	—
AbC: Aaron silt loam, 6 to 15 percent slopes	Aaron	85	Hills	No	—
	Germano	8	Hills	—	—
	Gilpin	7	Hills	—	—
AdC2: Aaron-Gilpin complex, 6 to 12 percent slopes, eroded	Aaron	45	Hills	No	—
	Gilpin	35	Hills	No	—
	Westgate	10	Hills	—	—
	moderately deep soils	10	—	—	—
AgC: Aaron-Gilpin complex, 8 to 15 percent slopes	Aaron	50	Hills	No	—
	Gilpin	35	Hills	No	—
	Upshur	5	Hills	—	—
	shallow to bedrock	5	—	—	—
	Keene	5	Hills	—	—
BaF: Barkcamp gravelly sandy loam, 40 to 70 percent slopes	Barkcamp	90	Hills	No	—
	Bethesda	4	Hills	—	—
	Richland	3	Hills	—	—
	stony areas	3	—	—	—
BkD: Berks-Westmoreland silt loams, 15 to 25 percent slopes	Berks	50	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	5	Hills	—	—
	Upshur	5	Hills	—	—
	Elba	5	Hills	—	—
BkE: Berks-Westmoreland silt loams, 25 to 40 percent slopes	Berks	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	Elba	4	Hills	—	—
	Guernsey	3	Hills	—	—
	bedrock escarpment	3	—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BkF: Berks-Westmoreland silt loams, 40 to 70 percent slopes	Berks	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	4	Hills	—	—
	Elba	3	Hills	—	—
	bedrock escarpment	3	—	—	—
BmF: Bethesda channery loam, 20 to 70 percent slopes	Bethesda	85	Hills	No	—
	poorly drained soils	5	Drainageways, depressions	Yes	2,3
	highwalls	5	—	—	—
	barren, ultra acid soils	5	—	—	—
BoD: Bethesda shaly silty clay loam, 8 to 25 percent slopes	Bethesda	90	Hills	No	—
	very stony or very bouldery areas	3	—	—	—
	escarpment	3	—	—	—
	Barkcamp	2	Hills	—	—
	Fairpoint	2	Hills	—	—
BoE: Bethesda shaly silty clay loam, 25 to 40 percent slopes	Bethesda	90	Hills	No	—
	escarpment	3	—	—	—
	very stony or very bouldery areas	3	—	—	—
	Barkcamp	2	Hills	—	—
	Fairpoint	2	Hills	—	—
BoF: Bethesda shaly silty clay loam, 40 to 70 percent slopes	Bethesda	90	Hills	No	—
	escarpment	3	—	—	—
	very stony or very bouldery areas	3	—	—	—
	Barkcamp	2	Hills	—	—
	Fairpoint	2	Hills	—	—
BrC: Brookside silt loam, 8 to 15 percent slopes	Brookside	70-85	Hillslopes	No	—
	Richland	5-15	Hillslopes	No	—
	Dormont	5-15	Hillslopes	No	—
	Brookside	70-95	Hillslopes	No	—
BrD: Brookside silt loam, 15 to 25 percent slopes	Dormont	5-15	Hillslopes	No	—
	Richland	2-15	Hillslopes	No	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
BrE: Brookside silt loam, 25 to 40 percent slopes	Brookside	85	Hills	No	—
	Richland	15	Hills	—	—
BtB: Bethesda channery loam, 0 to 8 percent slopes	Bethesda	90	Hills	No	—
	Guernsey	2	Hills	—	—
	Berks	2	Hills	—	—
	Shelocta	2	Hills	—	—
	Cruze	2	Hills	—	—
	Westmoreland	1	Hills	—	—
	stockpiles of natural soil material, coal, and rock	1	—	—	—
BtC: Bethesda channery loam, 8 to 20 percent slopes	Bethesda	90	Hills	No	—
	Westmoreland	2	Hills	—	—
	Shelocta	2	Hills	—	—
	Guernsey	2	Hills	—	—
	Cruze	2	Hills	—	—
	Berks	2	Hills	—	—
BtE: Bethesda channery loam, 20 to 40 percent slopes	Bethesda	90	Hills	No	—
	Shelocta	2	Hills	—	—
	Guernsey	2	Hills	—	—
	Cruze	2	Hills	—	—
	Berks	2	Hills	—	—
	Westmoreland	1	Hills	—	—
BtF: Bethesda channery loam, 40 to 70 percent slopes	Bethesda	90	Hills	No	—
	Shelocta	2	Hills	—	—
	Guernsey	2	Hills	—	—
	Cruze	2	Hills	—	—
	Berks	2	Hills	—	—
	stockpiles of natural soil material, coal, and rock	1	—	—	—
	Westmoreland	1	Hills	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Chg1AF: Chagrin silt loam, 0 to 3 percent slopes, frequently flooded	Chagrin	75-100	Flood plains	No	—
	Orrville	0-15	Flood plains	No	—
	Melvin	0-15	Depressions on flood plains	Yes	2,3,4
CmC: Clymer loam, 8 to 15 percent slopes	Clymer	85	Hills	No	—
	Steinsburg	10	Hills	—	—
	Westmoreland	5	Hills	—	—
DkE: Dekalb loam, 25 to 40 percent slopes	Dekalb	80	Knolls on hills	No	—
	very stony soils with bedrock at 10 to 20 inches	10	—	—	—
	bedrock outcrop	10	—	—	—
Dol1A1: Doles silt loam, 0 to 2 percent slopes	Doles	85-100	Terraces	No	—
	Vincent	0-10	Terraces	No	—
	Omulga	0-15	Terraces	No	—
	Tygart	0-10	Stream terraces	No	—
	Bonnie	0-15	Flood plains	Yes	2,4
DsG: Dekalb and Gilpin stony soils, 25 to 70 percent slopes	Gilpin	50	Hills	No	—
	Dekalb	50	Hills	No	—
	Hayter		Hills	—	—
	Hartshorn		Flood plains	—	—
DtD: Dekalb-Westmoreland complex, 15 to 25 percent slopes	Dekalb	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	10	Hills	—	—
DtE: Dekalb-Westmoreland complex, 25 to 40 percent slopes	Dekalb	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	bedrock escarpment	5	—	—	—
	Guernsey	5	Hills	—	—
DtF: Dekalb-Westmoreland complex, 40 to 70 percent slopes	Dekalb	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	5	Hills	—	—
	bedrock escarpment	5	—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
DuF: Dekalb-Westmoreland complex, benched, 40 to 70 percent slopes	Dekalb	55	Hills	No	—
	Westmoreland	35	Hills	No	—
	Guernsey	4	Hills	—	—
	bedrock escarpment	3	—	—	—
	Upshur	3	Hills	—	—
Dy: Dumps, mine	Dumps	100	—	No	—
EbF: Elba-Brookside-Berks complex, 40 to 70 percent slopes	Elba	45	Hills	No	—
	Berks	20	Hills	No	—
	Brookside	20	Hills	No	—
	Westmoreland	10	Hills	—	—
	escarpment	5	—	—	—
EcA: Euclid silt loam, rarely flooded	Euclid	85	Terraces	No	—
	poorly drained soils	5	Depressions	Yes	2
	nonflooded areas	4	—	—	—
	slopes of about 8 percent	3	—	—	—
	Glenford	3	Terraces,lake plains	—	—
FaD: Fairpoint silt loam, 8 to 25 percent slopes	Fairpoint	90	Hills	No	—
	Bethesda	10	Hills	—	—
FbE: Fairpoint shaly clay loam, 25 to 40 percent slopes	Fairpoint	90	Hills	No	—
	Barkcamp	4	Hills	—	—
	very stony or very bouldery areas	3	—	—	—
	Bethesda	3	Hills	—	—
FbF: Fairpoint shaly clay loam, 40 to 70 percent slopes	Fairpoint	90	Hills	No	—
	Barkcamp	3	Hills	—	—
	escarpment	3	—	—	—
	Bethesda	2	Hills	—	—
	very stony or very bouldery areas	2	—	—	—
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

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Gal2C1: Gallia loam, 6 to 12 percent slopes	Gallia	80-90	Terraces	No	—
	Omulga	5-20	Terraces	No	—
	Vincent	0-15	Terraces	No	—
	Gallia	0-10	Terraces	No	—
GdC: Gilpin silt loam, 8 to 15 percent slopes	Gilpin	70-100	Ridges	No	—
	Upshur	0-20	Ridges	No	—
	Berks	0-15	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
GdD: Gilpin silt loam, 15 to 25 percent slopes	Gilpin	70-100	Hillslopes	No	—
	Coolville	0-10	Hillslopes	No	—
	Coshocton	0-15	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
GdF: Gilpin silt loam, 25 to 35 percent slopes	Gilpin	75-100	Hillslopes	No	—
	Lowell	0-10	Hillslopes	No	—
	Berks	0-15	Hillslopes	No	—
GeD: Germano-Gilpin complex, 15 to 25 percent slopes	Germano	40	Hills	No	—
	Gilpin	35	Hills	No	—
	Guernsey	10	Hills	—	—
	Wharton	5	Hills	—	—
	Latham	5	Hills	—	—
	Wellston	5	Hills	—	—
	moderately well drained Gilpin-like soils		—	—	—
	Germano-like soils with less clay in the subsoil		—	—	—
GeE: Germano-Gilpin complex, 25 to 40 percent slopes	Germano	65	Hills	No	—
	Gilpin	15	Hills	No	—
	Rarden	10	Hills	—	—
	Tarhollow	5	Hills	—	—
	rock outcrop	5	—	Unranked	—
	Germano-like soil with less clay in the subsoil		—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	moderately well drained Gilpin-like soils		—	—	—
GfB: Glenford silt loam, 2 to 6 percent slopes	Glenford	80	Terraces	No	—
	McGary	5	Terraces	—	—
	Euclid	5	Terraces	—	—
	poorly drained soils	5	Depressions	Yes	2
	slopes of about 15 percent	5	—	—	—
GgD: Gilpin-Guernsey complex, 15 to 25 percent slopes	Gilpin	50	Hills	No	—
	Guernsey	30	Hills	No	—
	Latham	10	Hills	—	—
	Tarhollow	10	Hills	—	—
	Guernsey-like soils with bedrock at 20 to 40 inches		—	—	—
	Gilpin-like soils with more sand in the subsoil		—	—	—
GgE: Gilpin-Guernsey complex, 25 to 40 percent slopes	Gilpin	50	Hills	No	—
	Guernsey	35	Hills	No	—
	Wharton	8	Hills	—	—
	Latham	7	Hills	—	—
	moderately well drained Gilpin-like soils		—	—	—
GhD2: Gilpin-Upshur complex, 12 to 20 percent slopes, eroded	Gilpin	45	Hills	No	—
	Upshur	40	Hills	No	—
	Guernsey	8	Hills	—	—
	Westgate	7	Hills	—	—
	severely eroded soils		—	—	—
GhE2: Gilpin-Upshur complex, 20 to 35 percent slopes, eroded	Gilpin	45	Hills	No	—
	Upshur	40	Hills	No	—
	Guernsey	8	Hills	—	—
	sandstone bedrock escarpments	7	—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
GhF: Gilpin-Upshur complex, 35 to 70 percent slopes	Gilpin	40-60	Hillslopes	No	—
	Upshur	20-40	Hillslopes	No	—
	Peabody	5-20	Hillslopes	No	—
	Dormont	0-20	Hillslopes	No	—
GkC: Gilpin-Summitville-Upshur complex, 6 to 12 percent slopes	Gilpin	35	Hills	No	—
	Summitville	20	Hills	No	—
	Upshur	20	Hills	No	—
	Woodsfield	9	Hills	—	—
	Zanesville	8	Hills	—	—
	Dekalb	8	Hills	—	—
GkD: Gilpin-Summitville-Upshur complex, 12 to 18 percent slopes	Gilpin	35	Hills	No	—
	Summitville	25	Hills	No	—
	Upshur	20	Hills	No	—
	acid, gray subsoil	10	—	—	—
	severely eroded areas	10	—	—	—
GkE: Gilpin-Summitville-Upshur complex, 18 to 25 percent slopes	Gilpin	30	Hills	No	—
	Summitville	30	Hills	No	—
	Upshur	25	Hills	No	—
	Dekalb	15	Hills	—	—
GkE3: Gilpin-Summitville-Upshur complex, 18 to 25 percent slopes, severely eroded	Gilpin	30	Hills	No	—
	Summitville	30	Hills	No	—
	Upshur	25	Hills	No	—
	other soils	15	—	—	—
GkF: Gilpin-Summitville-Upshur complex, 25 to 35 percent slopes	Gilpin	40	Hills	No	—
	Summitville	30	Hills	No	—
	Upshur	20	Hills	No	—
	Dekalb	10	Hills	—	—
GIF: Gilpin-Summitville-Upshur complex, 25 to 35 percent slopes, benched	Gilpin	50	Hills	No	—
	Summitville	20	Hills	No	—
	Upshur	20	Hills	No	—
	Hartshorn	3	Flood plains	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Dekalb	3	Hills	—	—
	Vandalia	2	—	—	—
	Hayter	2	—	—	—
GIG: Gilpin-Summitville-Upshur complex, 35 to 70 percent slopes, benched	Gilpin	50	Hills	No	—
	Upshur	20	Hills	No	—
	Summitville	20	Hills	No	—
	Dekalb	3	Hills	—	—
	Hartshorn	3	Flood plains	—	—
	Vandalia	2	Hills	—	—
	Hayter	2	Hills	—	—
GmA: 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
GmB: 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
GmC: Glenford silt loam, 8 to 15 percent slopes	Glenford	75-95	Terraces	No	—
	Mentor	0-20	Terraces	No	—
	Fitchville	0-10	Terraces	No	—
GoC2: Gilpin silt loam, 8 to 15 percent slopes, eroded	Gilpin	90	Hills	No	—
	Upshur	2	Hills	—	—
	Rarden	2	Hills	—	—
	shallow soils	2	—	—	—
	Steinsburg	2	Hills	—	—
	Aaron	2	Hills	—	—
GpC: Gilpin-Aaron complex, 6 to 15 percent slopes	Gilpin	50	Hills	No	—
	Aaron	25	Hills	No	—
	Germano	10	Hills	—	—
	Tarhollow	5	Hills	—	—
	Zanesville	5	Hills	—	—
	Wharton	5	Hills	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Aaron-like soils with bedrock at 20 to 40 inches		—	—	—
	moderately well drained Gilpin-like soils		—	—	—
GrC: Gilpin-Upshur silt loams, 8 to 15 percent slopes	Gilpin	40-60	Ridges	No	—
	Upshur	25-40	Ridges	No	—
	Dormont	5-15	Ridges	No	—
	Peabody	0-10	Ridges	No	—
	Coolville	0-10	Ridges	No	—
GrD: Gilpin-Upshur silt loams, 15 to 25 percent slopes	Gilpin	40-60	Hillslopes	No	—
	Upshur	25-40	Hillslopes	No	—
	Guernsey	5-15	Hillslopes	No	—
	Dormont	0-10	Hillslopes	No	—
	Peabody	0-15	Hillslopes	No	—
GrE: Gilpin-Upshur complex, 25 to 50 percent slopes	Gilpin	45	Hills	No	—
	Upshur	35	Hills	No	—
	Rarden	5	Hills	—	—
	Steinsburg	5	Hills	—	—
	Guernsey	5	Hills	—	—
	slopes of less than 40 percent	3	—	—	—
	shallow soils	2	—	—	—
GsB: Guernsey silt loam, 3 to 8 percent slopes	Guernsey	85	Hills	No	—
	poorly drained soils	5	Depressions	Yes	2
	Westmoreland	5	Hills	—	—
	Woodsfield	5	Hills	—	—
GsC: Guernsey silt loam, 8 to 15 percent slopes	Guernsey	85	Hills	No	—
	Upshur	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Woodsfield	5	Hills	—	—
GuC: Guernsey-Upshur complex, 8 to 15 percent slopes	Guernsey	50	Hills	No	—
	Upshur	30	Hills	No	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Elba	10	Hills	—	—
	Westmoreland	10	Hills	—	—
GuD: Guernsey-Upshur complex, 15 to 25 percent slopes	Guernsey	50	Hills	No	—
	Upshur	30	Hills	No	—
	Elba	10	Hills	—	—
	Westmoreland	10	Hills	—	—
GwC: Guernsey-Westmoreland silt loams, 8 to 15 percent slopes	Guernsey	50	Ridges on hills,knolls on hills	No	—
	Westmoreland	30	Ridges on hills,knolls on hills	No	—
	severely eroded; channery silt loam or silty clay loam surf.	10	—	—	—
	Westmore	10	Hills	—	—
GwD: Guernsey-Westmoreland silt loams, 15 to 25 percent slopes	Guernsey	45	Benches on hills,knolls on hills,ridges on hills	No	—
	Westmoreland	35	Ridges on hills,benches on hills,knolls on hills	No	—
	somewhat poorly drained soils	7	—	—	—
	Westmore	7	Hills	—	—
	severely eroded soils	6	—	—	—
GwE: Guernsey-Westmoreland silt loams, 25 to 40 percent slopes	Guernsey	45	Hills	No	—
	Westmoreland	35	Hills	No	—
	Westmore	10	Hills	—	—
	somewhat poorly drained soils	10	—	—	—
GxD: Guernsey-Gilpin complex, 15 to 25 percent slopes	Guernsey	45	Hills	No	—
	Gilpin	40	Hills	No	—
	Upshur	10	Hills	—	—
	shallow soils	3	—	—	—
	slopes of less than 25 percent	2	—	—	—
GxE: Guernsey-Gilpin complex, 25 to 40 percent slopes	Gilpin	45	Hills	No	—
	Guernsey	45	Hills	No	—
	Upshur	3	Hills	—	—
	Rarden	3	Hills	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Steinsburg	3	Hills	—	—
	shallow soils	1	—	—	—
GyB: Gallipolis silt loam, 2 to 6 percent slopes	Gallipolis	85	Terraces	No	—
	Licking	8	Terraces	—	—
	Taggart	7	Terraces	—	—
Hay1AF: Haymond silt loam, 0 to 3 percent slopes, frequently flooded	Haymond	80-100	Flood-plain steps	No	—
	Lindside	0-15	Flood plains	No	—
	Haymond-Occasionally flooded	0-10	Flood-plain steps	No	—
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	—
HcA: Hackers silt loam, 0 to 3 percent slopes, rarely flooded	Hackers	80-95	Flood plains	No	—
	Moshannon	5-10	Flood plains	No	—
	Senecaville	0-5	Flood plains	No	—
	Melvin	0-5	Flood plains	Yes	2
He: Hartshorn silt loam	Hartshorn	90	Flood plains	No	—
	Poorly drained soils	10	Backswamps, abandoned channels	Yes	2
KeB: Keene silt loam, 3 to 8 percent slopes	Keene	80-100	Ridges	No	—
	Gilpin	0-20	Ridges	No	—
KeC: Keene silt loam, 6 to 12 percent slopes	Keene	80	Hills	No	—
	Upshur	5	Hills	—	—
	Aaron	5	Hills	—	—
	Woodsfield	5	Hills	—	—
	Gilpin	5	Hills	—	—
KnL1AF: Kinnick-Lindside silt loams, 0 to 3 percent slopes, frequently flooded	Kinnick	60-80	Flood plains	No	—
	Lindside	10-30	Flood plains	No	—
	Melvin	0-15	Depressions on flood plains	Yes	2,3,4
	Newark	0-20	Flood plains	No	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Lck1BO: Licking silt loam, 1 to 4 percent slopes, occasionally flooded	Licking	80-90	Stream terraces	No	—
	Chagrin	0-20	Flood plains	No	—
	Vandalia	0-10	Hills	No	—
	Glenford	0-15	Terraces	No	—
Lic1B1: Licking silt loam, 2 to 6 percent slopes	Licking	80-90	Stream terraces	No	—
	Glenford	0-15	Terraces	No	—
	Vandalia	0-10	Hills	No	—
	Licking	0-15	Stream terraces	No	—
Lic1C2: Licking silt loam, 6 to 12 percent slopes, eroded	Licking	80-95	Stream terraces	No	—
	Licking	0-20	Stream terraces	No	—
	Vandalia	0-15	Hillslopes	No	—
	Glenford	0-20	Terraces	No	—
LoC: Lowell-Upshur complex, 6 to 12 percent slopes	Lowell	45	Hills	No	—
	Upshur	35	Hills	No	—
	Gilpin	10	Hills	—	—
	Westmore	10	Hills	—	—
LrF: Lowell-Gilpin complex, 35 to 70 percent slopes	Lowell	45	Hills	No	—
	Gilpin	40	Hills	No	—
	Brookside	5	Hills	—	—
	limestone bedrock escarpments	5	—	—	—
	sandstone bedrock escarpments	5	—	—	—
McA: McGary silt loam, 0 to 3 percent slopes	McGary	85	Terraces	No	—
	poorly drained soils	5	Depressions	Yes	2
	Fitchville	5	Terraces,lake plains	—	—
	Licking	5	Terraces	—	—
Mel1AF: Melvin silt loam, 0 to 2 percent slopes, frequently flooded	Melvin	80-100	Depressions on flood plains	Yes	2,3,4
	Newark	0-15	Flood plains	No	—
MnD: Morristown silty clay loam, 6 to 20 percent slopes	Morristown	100	Hills	No	—
	2 to 3 feet of silty clay loam or clay loam		—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	more rock fragments in the surface layer		—	—	—
	more clay in the surface layer		—	—	—
Mos1AF: Moshannon silt loam, 0 to 3 percent slopes, frequently flooded	Moshannon	80-100	Flood plains	No	—
	Senecaville-Rarely flooded	0-20	Stream terraces	No	—
	Melvin	0-5	Depressions on flood plains	Yes	2,3,4
MrF: Morristown channery clay loam, 20 to 70 percent slopes, very stony	Morristown	85	Hills	No	—
	poorly drained soils	5	Depressions, drainage ways	Yes	2,3
	highwalls	5	—	—	—
	less steep areas	5	—	—	—
NeC: Negley loam, 8 to 15 percent slopes	Negley	95	Terraces	No	—
	Parke	5	Terraces	—	—
New1AF: Newark silt loam, 0 to 3 percent slopes, frequently flooded	Newark	85-100	Flood plains	No	—
	Melvin	0-15	Flood plains	Yes	2,3,4
	Lindside	0-15	Flood plains	No	—
NgE: Negley gravelly loam, 25 to 40 percent slopes	Negley	95	Terraces	No	—
	Parke	3	Terraces	—	—
	bedrock at 10 to 20 inches	2	—	—	—
No: Nolin silt loam, 0 to 3 percent slopes, frequently flooded	Nolin	80-95	Flood plains	No	—
	Melvin	0-20	Backswamps	Yes	2
	Newark	0-20	Flood plains	No	—
Omu1B1: Omulga silt loam, 2 to 6 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-10	Terraces	No	—
	Gallia	0-15	Terraces	No	—
	Westmoreland	0-15	Hills	No	—
	Doles	0-15	Terraces	No	—
	Vincent	0-15	Terraces	No	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Wharton	0-10	Hills	No	—
	Allegheny	0-10	Stream terraces	No	—
Omu1C1: Omulga silt loam, 6 to 12 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-15	Terraces	No	—
	Allegheny	0-15	Stream terraces	No	—
	Gallia	0-15	Terraces	No	—
	Wharton	0-15	Hills	No	—
	Westmoreland	0-15	Hills	No	—
	Vincent	0-10	Terraces	No	—
Orr1AF: Orrville silt loam, 0 to 3 percent slopes, frequently flooded	Orrville	80-90	Flood plains	No	—
	Chagrin	0-15	Flood plains	No	—
	Melvin	0-10	Flood plains	Yes	2,3,4
OwB: Otwell silt loam, 2 to 6 percent slopes	Otwell	85	Terraces	No	—
	Peoga	5	Flats on outwash terraces, depressions on outwash terraces	Yes	2
	Westmoreland	2	Hills	No	—
	Berks	2	Hills	No	—
	Glenford	2	Terraces	No	—
	Licking	2	Stream terraces	No	—
	Otwell	1	Terraces	No	—
	Dubois	1	Lake plains	No	—
OwC: Otwell silt loam, 6 to 12 percent slopes	Otwell	80	Terraces	No	—
	Otwell	5	Terraces	No	—
	Berks	5	Hills	No	—
	Licking	5	Stream terraces	No	—
	Westmoreland	5	Hills	No	—
PaB: Parke silt loam, 2 to 6 percent slopes	Parke	85	Terraces	No	—
	Doles	5	Terraces	—	—
	Omulga	5	Terraces	—	—
	Negley	5	Terraces	—	—
Pg: Pits, gravel	Pits	100	—	No	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
PpS1AF: Pope-Stokly silt loams, 0 to 3 percent slopes, frequently flooded	Pope	30-60	Flood plains	No	—
	Stokly	20-50	Flood plains	No	—
	Bonnie	0-15	Flood plains	Yes	2,4
	Pope-Occasionally flooded	0-10	Flood plains	No	—
	Stokly-Occasionally flooded	0-10	Flood plains	No	—
RcC: Richland loam, 8 to 15 percent slopes	Richland	85	Hills	No	—
	Steinsburg	5	Hills	—	—
	Brookside	5	Hills	—	—
	Dekalb	5	Hills	—	—
RcD: Richland loam, 15 to 25 percent slopes	Richland	85	Hills	No	—
	Dekalb	5	Hills	—	—
	Steinsburg	5	Hills	—	—
	Brookside	5	Hills	—	—
RcE: Richland loam, 25 to 40 percent slopes	Richland	85	Hills	No	—
	Steinsburg	5	Hills	—	—
	Brookside	5	Hills	—	—
	Vandalia	5	Hills	—	—
SkP1AF: Stokly-Philo silt loams, 0 to 3 percent slopes, frequently flooded	Stokly	40-70	Flood plains	No	—
	Philo	10-50	Flood plains	No	—
	Pope	0-15	Flood plains	No	—
	Bonnie	0-15	Flood plains	Yes	2,4
StD: Steinsburg sandy loam, 15 to 25 percent slopes	Steinsburg	85	Hills	No	—
	Clymer	5	Hills	—	—
	bedrock outcrop	5	—	—	—
	eroded areas	5	—	—	—
StE: Steinsburg sandy loam, 25 to 40 percent slopes	Steinsburg	85	Hills	No	—
	Clymer	4	Hills	—	—
	Richland	4	Hills	—	—
	Westmoreland	4	Hills	—	—
bedrock outcrop	3	—	—	—	

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
StF: Steinsburg sandy loam, 40 to 70 percent slopes	Steinsburg	90	Hills	No	—
	Richland	4	Hills	—	—
	bedrock outcrop	3	—	—	—
	Westmoreland	3	Hills	—	—
SvF: Steinsburg-Gilpin association, very steep	Steinsburg	55	Hills	No	—
	Gilpin	20	Hills	No	—
	Latham	10	Hills	—	—
	rock outcrop	5	—	Unranked	—
	Wharton	5	Hills	—	—
	Rarden	5	Hills	—	—
	Steinsburg-like soils with more clay in the subsurface layer		—	—	—
Ud: Udorthents, loamy	Udorthents	100	—	No	—
UgC2: Upshur-Gilpin complex, 8 to 15 percent slopes, eroded	Upshur	45	Hills	No	—
	Gilpin	40	Hills	No	—
	Rarden	5	Hills	—	—
	Aaron	5	Hills	—	—
	Steinsburg	4	Hills	—	—
	shallow soils	1	—	—	—
UgD: Upshur-Gilpin complex, 15 to 25 percent slopes	Upshur	60	Hills	No	—
	Gilpin	25	Hills	No	—
	Rarden	5	Hills	—	—
	Guernsey	5	Hills	—	—
	Steinsburg	4	Hills	—	—
	shallow soils	1	—	—	—
UgE: Upshur-Gilpin complex, 25 to 50 percent slopes	Upshur	45	Hills	No	—
	Gilpin	35	Hills	No	—
	Rarden	6	Hills	—	—
	Steinsburg	6	Hills	—	—
	Guernsey	6	Hills	—	—
	escarpments	1	—	—	—
	shallow soils	1	—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
UpC: Upshur silty clay loam, 8 to 15 percent slopes	Upshur	85	Hills	No	—
	Guernsey	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Elba	5	Hills	—	—
UpD: Upshur silty clay loam, 15 to 25 percent slopes	Upshur	70-85	Hills	No	—
	Gilpin	5-15	Hills	No	—
	Guernsey	5-15	Hills	No	—
UsC: Upshur-Elba silty clay loams, 8 to 15 percent slopes	Upshur	55	Hills	No	—
	Elba	35	Hills	No	—
	Westmore	10	Hills	—	—
UsD: Upshur-Elba silty clay loams, 15 to 25 percent slopes	Upshur	55	Hills	No	—
	Elba	35	Hills	No	—
	Westmoreland	10	Hills	—	—
UvD: Upshur-Steinsburg complex, 15 to 25 percent slopes	Upshur	50	Hills	No	—
	Steinsburg	30	Hills	No	—
	Guernsey	7	Hills	—	—
	Gilpin	7	Hills	—	—
	Rarden	6	Hills	—	—
UwF: Upshur-Gilpin complex, 25 to 35 percent slopes	Upshur	50	Hills	No	—
	Gilpin	20	Hills	No	—
	Vandalia	15	Hills	—	—
	Summitville	15	Hills	—	—
VaC: Vandalia silty clay loam, 8 to 15 percent slopes	Vandalia	75-85	Hillslopes	No	—
	Richland	5-20	Hillslopes	No	—
	Upshur	2-10	Hillslopes	No	—
	Gilpin	2-10	Hillslopes	No	—
VbD: Vandalia-Brookside complex, 15 to 25 percent slopes	Vandalia	55	Hills	No	—
	Brookside	35	Hills	No	—
	Richland	10	Hills	—	—
VbE: Vandalia-Brookside complex, 25 to 40 percent slopes	Vandalia	50	Hills	No	—
	Brookside	35	Hills	No	—
	Richland	15	Hills	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
VcD: Vandalia-Richland complex, 15 to 25 percent slopes	Vandalia	50	Hills	No	—
	Richland	35	Hills	No	—
	Dekalb	10	Hills	—	—
	Steinsburg	5	Hills	—	—
VcE: Vandalia-Richland complex, 25 to 40 percent slopes	Vandalia	55	Hills	No	—
	Richland	35	Hills	No	—
	Dekalb	5	Hills	—	—
	Steinsburg	5	Hills	—	—
Vin1C1: Vincent silt loam, 6 to 12 percent slopes	Vincent	70-100	Terraces	No	—
	Omulga	0-20	Terraces	No	—
	Vincent	0-20	Terraces	No	—
	Gallia	0-10	Terraces	No	—
	Wyatt	0-10	Terraces	No	—
VqD2: Vandalia silt loam, 15 to 25 percent slopes	Vandalia	75-85	Hillslopes	No	—
	Upshur	5-10	Hillslopes	No	—
	Sensabaugh	5-10	Flood plains	No	—
	Gilpin	2-10	Hillslopes	No	—
W: Water	Water	100	—	Unranked	—
WdB: Wellston silt loam, 3 to 8 percent slopes	Wellston	80-95	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
	Gilpin	0-15	Ridges	No	—
WdC: Wellston silt loam, 8 to 15 percent slopes	Wellston	80-95	Ridges	No	—
	Zanesville	0-15	Ridges	No	—
	Guernsey	0-15	Ridges	No	—
	Gilpin	0-15	Ridges	No	—
WeB: Westmore silt loam, 3 to 8 percent slopes	Westmore	100	Hills	No	—
WeC: Westmore silt loam, 8 to 15 percent slopes	Westmore	100	Hills	No	—
WgD: Westmoreland-Gilpin complex, 15 to 25 percent slopes	Westmoreland	40	Hills	No	—
	Gilpin	35	Hills	No	—
	Upshur	8	Hills	—	—
	Rarden	7	Hills	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Steinsburg	5	Hills	—	—
	Guernsey	5	Hills	—	—
WgE: Westmoreland-Gilpin complex, 25 to 40 percent slopes	Westmoreland	40	Hills	No	—
	Gilpin	35	Hills	No	—
	Upshur	8	Hills	—	—
	Rarden	7	Hills	—	—
	Steinsburg	5	Hills	—	—
	Guernsey	5	Hills	—	—
WgF: Westmoreland-Gilpin complex, 40 to 70 percent slopes	Westmoreland	40	Hills	No	—
	Gilpin	35	Hills	No	—
	Upshur	8	Hills	—	—
	Rarden	7	Hills	—	—
	Steinsburg	5	Hills	—	—
	Guernsey	5	Hills	—	—
WhC: Westmoreland-Guernsey silt loams, 8 to 15 percent slopes	Westmoreland	50	Hills	No	—
	Guernsey	35	Hills	No	—
	Berks	5	Hills	—	—
	Dekalb	5	Hills	—	—
	Upshur	5	Hills	—	—
WhD: Westmoreland-Guernsey silt loams, 15 to 25 percent slopes	Westmoreland	50	Hills	No	—
	Guernsey	35	Hills	No	—
	Berks	5	Hills	—	—
	Dekalb	5	Hills	—	—
	Upshur	5	Hills	—	—
WhE: Westmoreland-Guernsey silt loams, 25 to 40 percent slopes	Westmoreland	50	Hills	No	—
	Guernsey	35	Hills	No	—
	Berks	10	Hills	—	—
	Dekalb	5	Hills	—	—
WhF: Westmoreland-Guernsey silt loams, 40 to 70 percent slopes	Westmoreland	50	Hills	No	—
	Guernsey	35	Hills	No	—
	Dekalb	5	Hills	—	—
	Berks	5	Hills	—	—
	bedrock escarpment	5	—	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio						
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)	
WkF: Westmoreland-Guernsey silt loams, benched, 40 to 70 percent slopes	Westmoreland	50	Hills	No	—	
	Guernsey	35	Hills	No	—	
	bedrock escarpment	5	—	—	—	
	Berks	5	Hills	—	—	
	Dekalb	5	Hills	—	—	
WmC: Westmoreland-Upshur complex, 8 to 15 percent slopes	Westmoreland	50	Hills	No	—	
	Upshur	35	Hills	No	—	
	Guernsey	10	Hills	—	—	
	Elba	5	Hills	—	—	
WmD: Westmoreland-Upshur complex, 15 to 25 percent slopes	Westmoreland	45	Hills	No	—	
	Upshur	40	Hills	No	—	
	Berks	5	Hills	—	—	
	Dekalb	5	Hills	—	—	
	Guernsey	5	Hills	—	—	
WmE: Westmoreland-Upshur complex, 25 to 40 percent slopes	Westmoreland	50	Hills	No	—	
	Upshur	35	Hills	No	—	
	Berks	4	Hills	—	—	
	Dekalb	4	Hills	—	—	
	Guernsey	4	Hills	—	—	
WmF: Westmoreland-Upshur complex, 40 to 70 percent slopes	Westmoreland	55	Hills	No	—	
	Upshur	30	Hills	No	—	
	Dekalb	4	Hills	—	—	
	Berks	4	Hills	—	—	
	Guernsey	4	Hills	—	—	
WnC: Wellston silt loam, 6 to 12 percent slopes	Wellston	100	Hills	No	—	
	Gilpin		Hills	—	—	
	Zanesville		Hills	—	—	
	WpB: Wheeling loam, 3 to 10 percent slopes	Wheeling	90	Terraces	No	—
		Glenford	10	Lake plains,terraces	—	—

Hydric Soil List - All Components--OH009-Athens County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WqB: Westmore silt loam, 2 to 6 percent slopes	Westmore	85	Hills	No	—
	Guernsey	8	Hills	—	—
	slopes of about 15 percent	7	—	—	—
WtB: Woodsfield silt loam, 3 to 8 percent slopes	Woodsfield	90	Hills	No	—
	Westmore	10	Hills	—	—
WtC: Woodsfield silt loam, 8 to 15 percent slopes	Woodsfield	85	Hills	No	—
	Westmore	5	Hills	—	—
	Westmoreland	5	Hills	—	—
	Guernsey	5	Hills	—	—
Wya1B1: Wyatt silt loam, 2 to 6 percent slopes	Wyatt	80-100	Terraces	No	—
	Omurga	0-15	Terraces	No	—
	Doles	0-7	Terraces	No	—
	Allegheny	0-5	Stream terraces	No	—
	Gallia	0-7	Terraces	No	—
Wya3C2: Wyatt silty clay loam, 6 to 12 percent slopes, eroded	Wyatt	80-100	Terraces	No	—
	Omurga	0-15	Terraces	No	—
	Allegheny	0-10	Stream terraces	No	—
	Vandalia	0-15	Hillslopes	No	—
ZnB: Zanesville silt loam, 3 to 8 percent slopes	Zanesville	100	Hills	No	—

## Data Source Information

Soil Survey Area: Athens County, Ohio  
 Survey Area Data: Version 15, Sep 18, 2014