

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:

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

Report—Hydric Soil List - All Components

Hydric Soil List - All Components—OH145-Scioto County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AfD: Alford silt loam, 10 to 25 percent slopes	Alford	85	Hills	No	—
	Omurga	10	Terraces	—	—
	Shelocta	5	Hills	—	—
BeC: Berks channery silt loam, 8 to 15 percent slopes	Berks	75-90	Ridges	No	—
	Weikert	0-15	Ridges	No	—
	Coshocton	0-10	Ridges	No	—
BhD: Bethesda very shaly clay loam, 8 to 25 percent slopes	Bethesda	85	Hills	No	—
	Steinsburg	5	Hills	—	—
	Wharton	5	Hills	—	—
	Latham	5	Hills	—	—
BkD: Bethesda channery silty clay loam, 8 to 25 percent slopes	Bethesda	85	Hills	No	—
	Latham	3	Hills	—	—
	Lily	3	Hills	—	—
	Gilpin	3	Hills	—	—
	Pinegrove	2	Hills	—	—
	Shelocta	2	Hills	—	—
	Steinsburg	2	Hills	—	—
BrF: Brownsville-Rock outcrop association, very steep	Brownsville	45	Hills	No	—
	Rock outcrop	35	—	Unranked	—
	Berks	10	Hills	—	—
	Ernest	5	Hills	—	—
	Shelocta	5	Hills	—	—
CaF: Casco loam, 40 to 70 percent slopes	Casco	85	Outwash terraces, outwash plains	No	—
	Elkinsville	10	Terraces	—	—
	Shelocta	5	Hills	—	—
CkC: Clymer silt loam, 8 to 15 percent slopes	Clymer	85	Hills	No	—
	Rarden	10	Hills	—	—
	Tilsit	5	Hills	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
CoB: Coolville silt loam, 1 to 8 percent slopes	Coolville	90	Hills	No	—
	Rarden	5	Hills	—	—
	Gilpin	5	Hills	—	—
CpC: Coolville-Rarden silt loams, 8 to 15 percent slopes	Coolville	65	Hills	No	—
	Rarden	25	Hills	No	—
	Gilpin	10	Hills	—	—
Cu: Cuba silt loam, occasionally flooded	Cuba	95	Flood plains	No	—
	Skidmore	3	Flood plains	—	—
	Tioga	2	Flood plains	—	—
Dol1A1: Doles silt loam, 0 to 2 percent slopes	Doles	85-100	Terraces	No	—
	Omulga	0-15	Terraces	No	—
	Vincent	0-10	Terraces	No	—
	Tygart	0-10	Stream terraces	No	—
	Bonnie	0-15	Flood plains	Yes	2,4
Dp: Dumps	Dumps	100	—	Unranked	—
EhB: Elkinsville silt loam, 1 to 6 percent slopes	Elkinsville	85	Terraces	No	—
	Wheeling	4	Terraces	—	—
	Weinbach	4	Terraces	—	—
	Peoga	4	Drainageways,depressions	Yes	2
	very gravelly loamy sand below 10 feet	3	—	—	—
EkB: Elkinsville silt loam, 1 to 8 percent slopes	Elkinsville	95	Terraces	No	—
	Peoga	2	Depressions	Yes	2
	Weinbach	2	Terraces	—	—
	rarely flooded areas	1	—	—	—
EkE: Elkinsville silt loam, 25 to 40 percent slopes	Elkinsville	90	Terraces	No	—
	Casco	5	Terraces	—	—
	rarely flooded areas	5	—	—	—
EmB: Elkinsville-Urban land complex, 1 to 8 percent slopes	Urban land	40	—	Unranked	—
	Elkinsville	40	Terraces	No	—
	Weinbach	5	Terraces	—	—
	Peoga	5	Depressions	Yes	2

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Shelocta	5	Hills	—	—
	rarely flooded areas	5	—	—	—
ErD: Ernest silt loam, 15 to 25 percent slopes	Ernest	85	Hills	No	—
	Omulga	10	Terraces	—	—
	Monongahela	5	Terraces	—	—
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
FoB: Fox loam, 2 to 6 percent slopes	Fox	85	Terraces	No	—
	Genesee	3	Flood plains	—	—
	Stonelick	3	Flood plains	—	—
	Urban land	3	—	Unranked	—
	Elkinsville	3	Terraces	—	—
	Martinsville	3	Terraces	—	—
Ge: Genesee silt loam, occasionally flooded	Genesee	95	Flood plains	No	—
	Huntington	5	Flood plains	—	—
GIL1D1: Gilpin-Latham silt loams, 15 to 25 percent slopes	Gilpin	50	Hills	No	—
	Latham	35	Hills	No	—
	Weikert	5	Hills	No	—
	Tilsit	5	Hills	No	—
	Coolville	0-10	Hillslopes	No	—
Ha: Haymond silt loam, occasionally flooded	Haymond	90	Flood plains	No	—
	Piopolis	5	Depressions	Yes	2
	Stendal	3	Flood plains	—	—
	Skidmore	2	Flood plains	—	—
Hu: Huntington silt loam, occasionally flooded	Huntington	95	Flood plains	No	—
	Landes	5	Flood plains	—	—
La: Landes fine sandy loam, occasionally flooded	Landes	90	Flood plains	No	—
	Huntington	5	Flood plains	—	—
	Nolin	3	Flood plains	—	—
	Rosburg	2	Flood plains	—	—

Hydric Soil List - All Components--OH145-Scioto County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
LaG1D1: Latham-Gilpin silt loams, 15 to 25 percent slopes	Latham	50	Hills	No	—
	Gilpin	35	Hills	No	—
	Tilsit	5	Hills	No	—
	Coolville	0-10	Hillslopes	No	—
	Berks	3	Hills	No	—
	Weikert	2	Hills	No	—
LaGZD1: Latham-Gilpin association, hilly	Latham	50	Hills	No	—
	Gilpin	35	Hills	No	—
	Coolville	4	Hillslopes	No	—
	Tilsit	4	Hills	No	—
	Berks	4	Hills	No	—
	Weikert	3	Hills	No	—
Lah1C1: Latham silt loam, 8 to 15 percent slopes	Latham	90	Hills	No	—
	Bratton	3	Hills	No	—
	Opequon	3	Hills	No	—
	Shelocta	2	Hills	No	—
	Weikert	2	Hills	No	—
Lah1D1: Latham silt loam, 15 to 25 percent slopes	Latham	85	Hills	No	—
	Shelocta	10	Hills	No	—
	Wharton	5	Hills	No	—
LaSXD1: Latham-Steinsburg complex, 15 to 25 percent slopes	Latham	45	Hills	No	—
	Steinsburg	40	Hills	No	—
	Lily	4	Hills	No	—
	Gilpin	4	Hills	No	—
	Coolville	4	Hillslopes	No	—
	Tilsit	3	Hills	No	—
LaSZD1: Latham-Steinsburg association, hilly	Latham	50	Hills	No	—
	Steinsburg	35	Hills	No	—
	Gilpin	10	Hills	No	—
	Wharton	5	Hills	No	—
LbD2: Latham silt loam, 15 to 25 percent slopes, eroded	Latham	85	Hills	No	—
	Shelocta	5	Hills	—	—

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	Berks	5	Hills	—	—
	Colyer	5	Hills	—	—
LBSZE1: Latham-Brownsville-Shelocta association, steep	Latham	45	Hills	No	—
	Brownsville	25	Hills	No	—
	Shelocta	25	Hills	No	—
	Berks	2	Hills	No	—
	Skidmore	2	Flood plains	No	—
	rock outcrop	1	—	Unranked	—
LhW1D1: Latham-Wharton silt loams, 15 to 25 percent slopes	Latham	45	Hills	No	—
	Wharton	35	Hills	No	—
	Weikert	5	Hills	No	—
	Tilsit	5	Hills	No	—
	Clifty	5	Flood plains	No	—
	Brownsville	5	Hills	No	—
MoB: Monongahela silt loam, 3 to 8 percent slopes	Monongahela	75-95	Terraces	No	—
	Allegheny	0-25	Terraces	No	—
	Purdy	0-25	Terraces	Yes	2,3
MoC2: Monongahela silt loam, 8 to 15 percent slopes, eroded	Monongahela	95	Terraces	No	—
	Ernest	2	Hills	—	—
	Haymond	2	Flood plains	—	—
	Wyatt	1	Terraces	—	—
No: Nolin silt loam, 0 to 3 percent slopes, occasionally flooded	Nolin-Occasionally flooded	80-95	Flood plains	No	—
	Grigsby-Frequently flooded	0-20	Flood plains	No	—
	Newark-Frequently flooded	0-20	Flood plains	No	—
	Melvin-Occasionally flooded	0-20	Backswamps	Yes	2
OcB: Ockley loam, 1 to 8 percent slopes	Ockley	95	Terraces	No	—
	Fitchville	3	Lake plains,terraces	—	—
	rarely flooded areas	2	—	—	—
Omu1B1: Omulga silt loam, 2 to 6 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-10	Terraces	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Gallia	0-15	Terraces	No	—
	Westmoreland	0-15	Hills	No	—
	Doles	0-15	Terraces	No	—
	Vincent	0-15	Terraces	No	—
	Wharton	0-10	Hills	No	—
	Allegheny	0-10	Stream terraces	No	—
Omu1C1: Omulga silt loam, 6 to 12 percent slopes	Omulga	75-100	Terraces	No	—
	Wyatt	0-15	Terraces	No	—
	Gallia	0-15	Terraces	No	—
	Allegheny	0-15	Stream terraces	No	—
	Westmoreland	0-15	Hills	No	—
	Wharton	0-15	Hills	No	—
	Vincent	0-10	Terraces	No	—
OpB: Omulga-Urban land complex, 1 to 8 percent slopes	Omulga	50	Terraces	No	—
	Urban land	30	—	Unranked	—
	Doles	7	Terraces	—	—
	moderately deep, well drained soils	7	—	—	—
	Wyatt	6	Terraces	—	—
OpC: Omulga-Urban land complex, 8 to 15 percent slopes	Omulga	55	Terraces	No	—
	Urban land	35	—	Unranked	—
	Wyatt	5	Terraces	—	—
	Doles	5	Terraces	—	—
OsB: Omulga silt loam, 1 to 6 percent slopes	Omulga	85	Terraces	No	—
	soils with no fragipan	8	—	—	—
	somewhat poorly drained soils	7	—	—	—
OsC2: Omulga silt loam, 6 to 15 percent slopes, eroded	Omulga	85	Terraces	No	—
	Licking	5	Terraces	—	—
	Gilpin	5	Hills	—	—
	soils with no fragipan	5	—	—	—
Pe: Peoga silt loam, rarely flooded	Peoga	95	Depressions	Yes	2
	Sciotoville	3	Terraces	No	—
	Weinbach	2	Terraces	No	—
Po: Piopolis silt loam, ponded	Piopolis	100	Flood plains	Yes	2,3,4

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Ps: Pits, gravel	Pits	100	—	Unranked	—
Pt: Pits, quarry	Pits	100	—	Unranked	—
RbC: Rarden silt loam, 8 to 15 percent slopes	Rarden	85	Hills	No	—
	Berks	5	Hills	—	—
	shallow soils	5	—	—	—
	Coolville	5	Hills	—	—
Ro: Rossburg silty clay loam, occasionally flooded	Rossburg	90	Flood plains	No	—
	Nolin	10	Flood plains	—	—
RrG1C1: Rarden-Gilpin silt loams, 8 to 15 percent slopes	Rarden	35-75	Hills	No	—
	Gilpin	35-55	Hills	No	—
	Upshur	0-10	Hills	No	—
	Steinsburg	0-10	Hills	No	—
SaB: Sardinia silt loam, 1 to 8 percent slopes	Sardinia	95	Terraces	No	—
	Fitchville	2	Lake plains,terraces	—	—
	Peoga	1	Depressions	Yes	2
	Wheeling	1	Terraces	—	—
	rarely flooded areas	1	—	—	—
SacB: Sciotoville silt loam, 1 to 8 percent slopes	Sciotoville	98	Terraces	No	—
	Wheeling	1	Terraces	—	—
	Weinbach	1	Terraces	—	—
	rarely flooded areas		—	—	—
SbB: Shelocta silt loam, 3 to 8 percent slopes	Shelocta	90	Hills	No	—
	Haymond	5	Flood plains	—	—
	Skidmore	5	Flood plains	—	—
SbC: Shelocta silt loam, 8 to 15 percent slopes	Shelocta	90	Hills	No	—
	Brownsville	5	Hills	—	—
	Ernest	3	Hills	—	—
	Latham	2	Hills	—	—
SbD: Shelocta silt loam, 15 to 25 percent slopes	Shelocta	85	Hills	No	—
	Brownsville	15	Hills	—	—
ScE: Shelocta-Brownsville association, steep	Shelocta	40	Hills	No	—
	Brownsville	40	Hills	No	—

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	Berks	10	Hills	—	—
	Ernest	5	Hills	—	—
	Latham	4	Hills	—	—
	bedrock outcrop	1	—	Unranked	—
ScF: Shelocta-Brownsville association, very steep	Shelocta	40	Hills	No	—
	Brownsville	40	Hills	No	—
	Berks	10	Hills	—	—
	Ernest	5	Hills	—	—
	Latham	4	Hills	—	—
	bedrock outcrop	1	—	Unranked	—
SeF: Shelocta-Steinsburg association, very steep	Shelocta	50	Hills	No	—
	Steinsburg	35	Hills	No	—
	Ernest	10	Hills	—	—
	Latham	5	Hills	—	—
Sk: Skidmore silt loam, occasionally flooded	Skidmore	85	Flood plains	No	—
	Haymond	10	Flood plains	—	—
	Shelocta	5	Hills	—	—
SmE: Shelocta-Muse-Colyer association, steep	Shelocta	55	Hills	No	—
	Muse	25	Hills	No	—
	Colyer	15	Hills	No	—
	Trappist	2	Hills	—	—
	Berks	2	Hills	—	—
	slip-prone soils	1	—	—	—
SsF: Steinsburg-Shelocta association, very steep	Steinsburg	50	Hills	No	—
	Shelocta	35	Hills	No	—
	Latham	10	Hills	—	—
	old mining scars	5	—	—	—
St: Stendal silt loam, occasionally flooded	Stendal	95	Flood plains	No	—
	Haymond	2	Flood plains	—	—
	Cuba	2	Flood plains	—	—
	Tioga	1	Flood plains	—	—
SWLZE1: Shelocta-Wharton-Latham association, steep	Shelocta	45	Hills	No	—
	Wharton	30	Hills	No	—

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	Latham	15	Hills	No	—
	Berks	5	Hills	No	—
	Brownsville	5	Hills	No	—
TcB: Tilsit-Coolville association, undulating	Tilsit	60	Hills	No	—
	Coolville	25	Hills	No	—
	Latham	5	Hills	—	—
	Berks	5	Hills	—	—
	Gilpin	5	Hills	—	—
To: Tioga loam, occasionally flooded	Tioga	90	Flood plains	No	—
	Stendal	5	Flood plains	—	—
	Cuba	5	Flood plains	—	—
Ud: Udorthents	Udorthents	100	—	Unranked	—
W: Water	Water	100	—	Unranked	—
WdA: Weinbach silt loam, 0 to 2 percent slopes	Weinbach	85	Terraces	No	—
	Sciotoville	5	Terraces	—	—
	Peoga	5	Depressions	Yes	2
	rarely flooded areas	5	—	—	—
WeA: Weinbach silt loam, 0 to 3 percent slopes	Weinbach	95	Terraces	No	—
	Sciotoville	3	Terraces	—	—
	rarely flooded areas	2	—	—	—
WfC: Wharton silt loam, 8 to 15 percent slopes	Wharton	70-95	Hills	No	—
	Gilpin	0-20	Hills	No	—
	Ernest	0-20	Hillslopes	No	—
	Rarden	0-20	Hills	No	—
WfD: Wharton silt loam, 15 to 25 percent slopes	Wharton	70-95	Hills	No	—
	Gilpin	0-20	Hills	No	—
	Ernest	0-20	Hillslopes	No	—
	Rarden	0-20	Hills	No	—
WkD: Wharton-Urban land complex, 8 to 20 percent slopes	Wharton	60	Hills	No	—
	Urban land	30	—	Unranked	—
	Ernest	3	Hills	—	—
	Brownsville	3	Hills	—	—

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	Monongahela	2	Terraces	—	—
	Omulga	2	Terraces	—	—
WmB: Wheeling silt loam, 1 to 8 percent slopes	Wheeling	90	Terraces	No	—
	Sciotoville	4	Terraces	—	—
	rarely flooded areas	3	—	—	—
	Weinbach	3	Terraces	—	—
WnB: Wheeling silt loam, 1 to 6 percent slopes	Wheeling	90	Terraces	No	—
	Elkinsville	3	Terraces	—	—
	Sciotoville	3	Terraces	—	—
	rarely flooded areas	2	—	—	—
	Weinbach	2	Terraces	—	—
WpB: Wheeling-Urban land complex, 1 to 8 percent slopes	Wheeling	60	Terraces	No	—
	Urban land	25	—	Unranked	—
	Sciotoville	5	Terraces	—	—
	rarely flooded areas	5	—	—	—
	Weinbach	5	Terraces	—	—
Wya1B1: Wyatt silt loam, 2 to 6 percent slopes	Wyatt	80-100	Terraces	No	—
	Omulga	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	—
	Omulga	0-15	Terraces	No	—
	Allegheny	0-10	Stream terraces	No	—
	Vandalia	0-15	Hillslopes	No	—

Data Source Information

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