

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—OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AcB: Alexandria silt loam, 2 to 6 percent slopes	Alexandria	97	Moraines,till plains	No	—
	Marengo	3	Depressions	Yes	2,3
	Chili		Terraces	—	—
	Cardington		Ground moraines,end moraines	—	—
	Tuscola		Lake plains,deltas	—	—
	Bennington		Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
AcC2: Alexandria silt loam, 6 to 12 percent slopes, moderately eroded	Alexandria	93	Till plains,moraines	No	—
	Marengo	7	Drainageways	Yes	2,3
	Bennington		Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Severely eroded areas		—	—	—
AcD2: Alexandria silt loam, 12 to 18 percent slopes, moderately eroded	Alexandria	92	Moraines,till plains	No	—
	Marengo	8	Drainageways	Yes	2,3
	Severely eroded areas		—	—	—
AdB: Amanda silt loam, 2 to 6 percent slopes	Amanda	85	End moraines,ground moraines	No	—
	Condit	5	Drainageways,depressions	Yes	2,3
	Chili	5	Terraces	—	—
	Bennington	5	Rises on end moraines,flats on ground moraines,flats on end moraines,rises on ground moraines	—	—
	gravelly upper subsoil		—	—	—
	eroded areas		—	—	—
	moderately well drained soils		—	—	—

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AdC2: Amanda silt loam, 6 to 12 percent slopes, eroded	Amanda	80	Ground moraines,end moraines	No	—
	Condit	5	Drainageways,depressions	Yes	2,3
	Colyer Variant	5	Till plains	—	—
	Bennington	5	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Chili	5	Terraces	—	—
	moderately well drained soils		—	—	—
	gravelly surface layer or upper subsoil		—	—	—
	slightly eroded areas		—	—	—
AdD2: Amanda silt loam, 12 to 18 percent slopes, eroded	Amanda	85	Ground moraines,end moraines	No	—
	sandstone or shale bedrock at 40 to 60 inches	3	—	—	—
	Condit	3	Depressions,drainage ways	Yes	2,3
	Bennington	3	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	severely eroded areas	3	—	—	—
	Chili	3	Terraces	—	—
	gravelly surface layer and upper subsoil		—	—	—
	moderately well drained soils		—	—	—
AdE2: Amanda silt loam, 18 to 25 percent slopes, eroded	Amanda	85	Ground moraines,end moraines	No	—
	Shoals	4	Flood plains	—	—
	Bennington	4	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	sandstone or shale bedrock at 40 to 80 inches	4	—	—	—

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	slopes of 25 to 40 percent	3	—	—	—
	gravelly surface layer		—	—	—
	severely eroded areas		—	—	—
	gravelly upper subsoil		—	—	—
BeA: Bennington silt loam, 0 to 2 percent slopes	Bennington	85	Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	No	—
	Centerburg	4	Till plains, moraines	—	—
	Milford	4	Depressions, drainage ways	Yes	2,3
	Condit	4	Drainageways, depressions	Yes	2,3
	Pewamo	3	Drainageways, depressions	Yes	2,3
	darker surface layer		—	—	—
	thinner subsoil with more clay		—	—	—
	more silt and less sand in the subsoil		—	—	—
BeB: Bennington silt loam, 2 to 6 percent slopes	Bennington	85	Rises on ground moraines, rises on end moraines, flats on ground moraines, flats on end moraines	No	—
	Condit	4	Depressions, drainage ways	Yes	2,3
	Centerburg	4	Moraines, till plains	—	—
	Milford	4	Drainageways, depressions	Yes	2,3
	Pewamo	3	Depressions, drainage ways	Yes	2,3
	eroded areas		—	—	—
	layers of silt loam or sandy loam in the subsoil		—	—	—
Ble1A1: Blount silt loam, end moraine, 0 to 2 percent slopes	Blount-End moraine	80-95	End moraines on till plains	No	—
	Glywood-End moraine	0-12	End moraines on till plains	No	—
	Pewamo-End moraine	0-9	End moraines on till plains	Yes	2

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Bl1B1: Blount silt loam, end moraine, 2 to 4 percent slopes	Blount-End moraine	80-95	End moraines on till plains	No	—
	Glynwood-End moraine	0-12	End moraines on till plains	No	—
	Pewamo-End moraine	0-9	End moraines on till plains	Yes	2
Blg1A1: Blount silt loam, ground moraine, 0 to 2 percent slopes	Blount-Ground moraine	80-95	Ground moraines on till plains	No	—
	Pewamo-Ground moraine	0-12	Ground moraines on till plains	Yes	2
	Glynwood-Ground moraine	0-9	Ground moraines on till plains	No	—
Blg1B1: Blount silt loam, ground moraine, 2 to 4 percent slopes	Blount-Ground moraine	80-95	Ground moraines on till plains	No	—
	Pewamo-Ground moraine	0-12	Ground moraines on till plains	Yes	2
	Glynwood-Ground moraine	0-9	Ground moraines on till plains	No	—
BtA: Bogart loam, 0 to 2 percent slopes	Bogart	100	Stream terraces	No	—
	gravelly loam surface layer		—	—	—
	Fitchville Variant		Terraces	—	—
	silt loam surface layer		—	—	—
	areas where the subsoil is not mottled		—	—	—
BtB: Bogart loam, 2 to 6 percent slopes	Bogart	95	Stream terraces, alluvial fans	No	—
	wetter soils around seeps and springs	5	—	—	—
	Fitchville Variant		Terraces	—	—
	till or weathered bedrock at 3 to 5 feet		—	—	—
	gravelly loam surface layer		—	—	—
BvA: Bogart silt loam, 0 to 2 percent slopes	Bogart	100	Stream terraces	No	—
	loam surface layer		—	—	—
	Fitchville Variant		Terraces	—	—
CaB: Canfield silt loam, 2 to 6 percent slopes	Canfield	90	Till plains	No	—
	Ravenna	10	Till plains	No	—

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CaB2: Canfield silt loam, 2 to 6 percent slopes, eroded	Canfield-Eroded	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	—
CaC2: Canfield silt loam, 6 to 12 percent slopes, eroded	Canfield-Eroded	90	Till plains	No	—
	Ravenna	10	Till plains	No	—
Cb: Carlisle muck	Carlisle	90	Bogs	Yes	1,3
	Milford	3	Lake plains	Yes	2,3
	Condit	3	Depressions on ground moraines	Yes	2,3
	Pewamo	2	Flats on moraines, flats on lake plains, depressions on moraines, depressions on lake plains, drainageways on moraines, drainageways on lake plains	Yes	2,3
	mineral material at 30 to 60 inches	2	Bogs	Yes	1,3
	less decomposed muck		Bogs	Yes	1,3
	10 to 20 inches of mineral material overlying the muck		Bogs	Yes	1,3
	layers of marl		Bogs	Yes	1,3
CcB: Cardington silt loam, 2 to 6 percent slopes	Cardington	92	Ground moraines, end moraines	No	—
	Pewamo	4	Drainageways	Yes	2,3
	Marengo	4	Drainageways	Yes	2,3
	Fragipan subsoil		—	—	—
	Bennington		Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	—	—
CcC2: Cardington silt loam, 6 to 12 percent slopes, moderately eroded	Cardington	93	End moraines, ground moraines	No	—
	Pewamo	4	Drainageways	Yes	2,3

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	Marengo	3	Drainageways	Yes	2,3
	Fragipan subsoil		—	—	—
	Bennington		Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
CdB: Centerburg silt loam, 2 to 6 percent slopes	Centerburg	85	Moraines,till plains	No	—
	severely eroded areas on steeper slopes	3	—	—	—
	Condit	3	Depressions,drainage ways	Yes	2,3
	Chili	3	Terraces	—	—
	Bennington	3	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	slopes of 6 to 12 percent	3	—	—	—
	eroded areas		—	—	—
	well drained soils		—	—	—
CdC: Centerburg silt loam, 6 to 12 percent slopes	Centerburg	85	Till plains,moraines	No	—
	slopes of 12 to 18 percent	3	—	—	—
	Condit	3	Depressions,drainage ways	Yes	2,3
	Bennington	3	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	severely eroded areas	3	—	—	—
	Chili	3	Terraces	—	—
	well drained soils		—	—	—
	eroded areas		—	—	—
CdC2: Centerburg silt loam, 6 to 12 percent slopes, eroded	Centerburg	85	Moraines,till plains	No	—
	Condit	4	Depressions,drainage ways	Yes	2,3

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	Bennington	4	Flats on ground moraines, flats on end moraines, rises on ground moraines, rises on end moraines	—	—
	Chili	4	Terraces	—	—
	slopes of 12 to 18 percent	3	—	—	—
	silty clay loam surface layer		—	—	—
	well drained soils		—	—	—
	slightly eroded areas		—	—	—
ChB: Chili loam, 2 to 6 percent slopes	Chili	85	Terraces	No	—
	Amanda	3	Ground moraines, end moraines	—	—
	Sleeth	2	Outwash terraces, outwash plains, stream terraces	—	—
	Centerburg	2	Till plains, moraines	—	—
	moderately well drained soils; more silty/less sandy subsoil	2	—	—	—
	less than 40 inches to underlying material	2	—	—	—
	Rittman	2	Till plains	—	—
	Canfield	2	Till plains, moraines	—	—
	eroded areas		—	—	—
	loam till below 50 inches		—	—	—
	moderately well drained soils		—	—	—
	more silt and less sand in the upper subsoil		—	—	—
ChC: Chili loam, 6 to 12 percent slopes	Chili	80	Terraces	No	—
	Rittman	3	Till plains	—	—
	Amanda	3	Ground moraines, end moraines	—	—
	Canfield	3	Moraines, till plains	—	—
	Centerburg	3	Moraines, till plains	—	—
	less than 40 inches to underlying material	2	—	—	—

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	Sleeth	2	Outwash plains, stream terraces, outwash terraces	—	—
	moderately well drained soils; more silty/less sandy subsoil	2	—	—	—
	slopes of 12 to 18 percent	2	—	—	—
	more silt and less sand in the upper subsoil		—	—	—
	eroded areas		—	—	—
	loam till below 50 inches		—	—	—
CkF: Colyer Variant silt loam, 25 to 70 percent slopes	Colyer Variant	80	Hills	No	—
	shale bedrock escarpment	5	—	—	—
	Shoals	5	Flood plains	—	—
	Gallman	5	Kames, outwash plains, moraines, outwash terraces	—	—
	Amanda	5	End moraines, ground moraines	—	—
	more than 40 inches to underlying material		—	—	—
	eroded areas		—	—	—
Co: Condit silt loam, 0 to 1 percent slopes	Condit	85-95	End moraines, ground moraines	Yes	2
	Bennington	0-9	Ground moraines, end moraines	No	—
	Condit-Fine-loamy	0-9	End moraines, ground moraines	Yes	2
	Pewamo	0-9	Ground moraines, end moraines	Yes	2,3
GaB: Gallman silt loam, loamy substratum, 2 to 6 percent slopes	Gallman	85	Outwash plains, moraines, kames, outwash terraces	No	—
	Glynwood	3	Ground moraines, end moraines	—	—
	Centerburg	3	Moraines, till plains	—	—
	Amanda	3	Ground moraines, end moraines	—	—

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	shale bedrock below 60 inches	2	—	—	—
	Millgrove	2	Depressions	Yes	2,3
	Sleeth	2	Stream terraces,outwash plains,outwash terraces	—	—
	moderately well drained soils		—	—	—
	more sand and less silt and clay in underlying material		—	—	—
	less than 55 inches to underlying material		—	—	—
	till below 60 inches		—	—	—
GaC: Gallman silt loam, loamy substratum, 6 to 12 percent slopes	Gallman	85	Outwash terraces,kames,outwash plains,moraines	No	—
	Glynwood	3	End moraines,ground moraines	—	—
	Centerburg	3	Till plains,moraines	—	—
	Rittman	3	Till plains	—	—
	slopes of 12 to 18 percent	2	—	—	—
	Sleeth	2	Outwash terraces,outwash plains,stream terraces	—	—
	shale bedrock below 60 inches	2	—	—	—
	less than 55 inches to underlying material		—	—	—
	moderately well drained soils		—	—	—
	eroded areas		—	—	—
	till below 60 inches		—	—	—
	more sand and less silt and clay in underlying material		—	—	—
GmD2: Glynwood silt loam, 12 to 18 percent slopes, eroded	Glynwood	90	Ground moraines,end moraines	No	—
	seeps	4	End moraines,ground moraines	Yes	2

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	slopes of 18 to 40 percent	3	—	—	—
	severely eroded areas	3	—	—	—
Gwd1C1: Glynwood silt loam, 6 to 12 percent slopes	Glynwood	80-95	End moraines	No	—
	Blount	0-9	Flats on end moraines	No	—
	Pewamo	0-9	Depressions on end moraines	Yes	2
Gwd5C2: Glynwood clay loam, 6 to 12 percent slopes, eroded	Glynwood	75-90	End moraines	No	—
	Blount	0-9	Rises on ground moraines, flats on ground moraines	No	—
	Morley	0-9	Till plains	No	—
Gwe5B2: Glynwood clay loam, end moraine, 2 to 6 percent slopes, eroded	Glynwood-End moraine	80-90	End moraines on till plains	No	—
	Blount-End moraine	0-12	End moraines on till plains	No	—
	Pewamo	0-9	End moraines on till plains	Yes	2
Gwg1B1: Glynwood silt loam, ground moraine, 2 to 6 percent slopes	Glynwood-Ground moraine	80-90	Ground moraines on till plains	No	—
	Blount-Ground moraine	0-12	Ground moraines on till plains	No	—
	Pewamo	0-9	Ground moraines on till plains	Yes	2
Gwg1C1: Glynwood silt loam, ground moraine, 6 to 12 percent slopes	Glynwood	75-95	Ground moraines	No	—
	Blount	0-9	Flats on ground moraines	No	—
	Pewamo	0-9	Depressions on till plains	Yes	2
Gwg5C2: Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	Glynwood	75-90	Ground moraines	No	—
	Blount	0-9	Flats on ground moraines	No	—
	Pewamo	0-9	Depressions on till plains	Yes	2
Ho: Holly silt loam	Holly	95	Flood plains	Yes	2,4
	Shoals	5	Flood plains	No	—
	stony surface layer		Flood plains	Yes	2,4
	bedrock at 3 to 5 feet		Flood plains	Yes	2,4

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	sandy loam or gravelly loam below 3 feet		Flood plains	Yes	2,4
	gravelly loam surface layer		Flood plains	Yes	2,4
	loam surface layer		Flood plains	Yes	2,4
	silty clay loam surface layer		Flood plains	Yes	2,4
Lo: Lobdell silt loam, occasionally flooded	Lobdell	80	Flood plains	No	—
	Tioga	5	Flood plains	—	—
	Sloan	5	Depressions	Yes	2
	rarely flooded areas	5	—	—	—
	Shoals	5	Flood plains	—	—
	well drained soils		—	—	—
	shale bedrock below 60 inches		—	—	—
	more silt and less sand in the subsoil		—	—	—
Ly: Luray silty clay loam	Luray	100	Depressions on lake plains, flats on lake plains	Yes	2
	stony loam or gravelly loam at 3 to 5 feet		Depressions on lake plains, flats on lake plains	Yes	2
	firm till at 3 to 5 feet		Depressions on lake plains, flats on lake plains	Yes	2
	thin, pebbly or gravelly layers below 2 feet		Depressions on lake plains, flats on lake plains	Yes	2
	dark colors to 2 feet		Depressions on lake plains, flats on lake plains	Yes	2
	silt loam surface layer		Depressions on lake plains, flats on lake plains	Yes	2
	silty clay surface layer		Depressions on lake plains, flats on lake plains	Yes	2
Mf: Milford silty clay loam	Milford	90	Depressions, drainage ways	Yes	2,3
	Condit	2	Depressions on ground moraines	Yes	2,3

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	Carlisle	2	Depressions	Yes	1,3
	Bennington	2	Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	No	—
	Blount	2	Rises on ground moraines, rises on end moraines, flats on ground moraines, flats on end moraines	No	—
	Sloan	2	Flood plains	Yes	2
	underlying material is till		Drainageways, depressions	Yes	2,3
	lighter colored silt loam overwash on the surface layer		Depressions, drainageways	Yes	2,3
	silty clay surface layer		Drainageways, depressions	Yes	2,3
	thinner surface layer		Depressions, drainageways	Yes	2,3
	less clay in the subsoil		Drainageways, depressions	Yes	2,3
Mg: Millgrove silt loam	Millgrove	90	Depressions	Yes	2,3
	Milford	4	Depressions	Yes	2,3
	Sleeth	3	Outwash terraces, stream terraces, outwash plains	No	—
	Shoals	3	Flood plains	No	—
	silty clay loam surface layer		Depressions	Yes	2,3
	till below 55 inches		Depressions	Yes	2,3
	rarely flooded areas		Depressions	Yes	2,3
	more clay and silt and less sand and gravel in the subsoil		Depressions	Yes	2,3
MoD2: Morley silt loam, 12 to 18 percent slopes, eroded	Morley	85	Moraines, till plains	No	—
	springs and seeps	3	—	—	—
	steeper areas	3	—	—	—
	severely eroded areas with silty clay loam surface layer	3	—	—	—

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	Pewamo	3	Depressions, drainage ways	Yes	2,3
	Blount	3	Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	—	—
	loamier layers in the subsoil and underlying material		—	—	—
	slightly eroded areas		—	—	—
	moderately well drained soils		—	—	—
Ne: Newark silt loam, occasionally flooded	Newark	85	Flood plains	No	—
	Sloan	5	Abandoned channels, depressions	Yes	2
	Nolin	5	Flood plains	—	—
	frequently flooded areas	5	Flood plains	Yes	4
ObA: Ockley loam, 0 to 2 percent slopes	Ockley	90	Terraces	No	—
	Fox	4	Terraces	—	—
	Sleeth	3	Stream terraces, outwash plains, outwash terraces	—	—
	rarely flooded areas	3	—	—	—
ObB: Ockley loam, 2 to 6 percent slopes	Ockley	95	Terraces	No	—
	Fox	3	Terraces	—	—
	Kendallville	2	Outwash terraces, eskers, moraines, kames	—	—
OcB: Ockley silt loam, 2 to 6 percent slopes	Ockley	85	Terraces	No	—
	Rittman	4	Till plains	—	—
	Centerburg	4	Till plains, moraines	—	—
	Amanda	4	End moraines, ground moraines	—	—
	Sleeth	3	Outwash terraces, outwash plains, stream terraces	—	—
	eroded areas		—	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	till below 60 inches		—	—	—
	thicker subsoil; more silt and clay in underlying material		—	—	—
	more silt in the upper subsoil		—	—	—
	subsoil not as deep		—	—	—
OcC: Ockley silt loam, 6 to 12 percent slopes	Ockley	85	Terraces	No	—
	Amanda	3	Ground moraines,end moraines	—	—
	Rittman	3	Till plains	—	—
	Sleeth	3	Outwash terraces,stream terraces,outwash plains	—	—
	slopes of 12 to 18 percent	3	—	—	—
	Centerburg	3	Moraines,till plains	—	—
	subsoil not as deep		—	—	—
	till in the underlying material		—	—	—
	more silt in the upper subsoil		—	—	—
	eroded areas		—	—	—
	thicker subsoil; more silt and clay in underlying material		—	—	—
Os: Olmsted silty clay loam	Olmsted	100	Outwash terraces	Yes	2,3
	Marengo		Outwash terraces	Yes	2,3
	Luray		Outwash terraces	Yes	2,3
	Lenawee		Outwash terraces	Yes	2,3
	Thicker dark surface layer		Outwash terraces	Yes	2,3
Pk: Pewamo silt loam, overwash	Pewamo	100	Depressions on till plains	Yes	2
	sandy loam surface layer		Depressions on till plains	Yes	2
	loam surface layer		Depressions on till plains	Yes	2
	slopes of 2 to 4 percent		Depressions on till plains	Yes	2
Pm: Pewamo silty clay loam	Pewamo	85	Depressions,drainage ways	Yes	2,3
	Sloan	3	Flood plains	Yes	2

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Condit	3	Depressions on ground moraines	Yes	2,3
	Carlisle	3	Depressions	Yes	1,3
	Bennington	3	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	No	—
	Blount	3	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
	more sand and less clay in the subsoil		Depressions,drainage ways	Yes	2,3
	thinner or lighter colored surface layer		Depressions,drainage ways	Yes	2,3
	slopes of 3 or 4 percent		Depressions,drainage ways	Yes	2,3
Ps: Pits, gravel	Pits	100	—	No	—
ReB: Ravenna silt loam, 2 to 6 percent slopes	Ravenna	95	Drainageways on till plains	No	—
	Frenchtown	5	Depressions	Yes	2
	gravelly and stony soils		—	—	—
	very thick surface layer		—	—	—
	Canfield		Till plains,moraines	—	—
	bedrock at 5 feet		—	—	—
RsB: Rittman silt loam, 2 to 6 percent slopes	Rittman	80	Till plains	No	—
	Wadsworth	5	Till plains	—	—
	Condit	5	Depressions,drainage ways	Yes	2,3
	Chili	5	Terraces	—	—
	Bennington	5	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	eroded areas		—	—	—
	weak or no fragipan		—	—	—
	well drained soils		—	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RsC: Rittman silt loam, 6 to 12 percent slopes	Rittman	85	Till plains	No	—
	Chili	4	Terraces	—	—
	Bennington	4	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Condit	4	Drainageways,depressions	Yes	2,3
	Wadsworth	3	Till plains	—	—
	weak or no fragipan		—	—	—
	well drained soils		—	—	—
	eroded areas		—	—	—
RsC2: Rittman silt loam, 6 to 12 percent slopes, eroded	Rittman	85	Till plains	No	—
	Bennington	4	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Chili	4	Terraces	—	—
	Condit	4	Depressions,drainage ways	Yes	2,3
	Wadsworth	3	Till plains	—	—
	slightly eroded areas		—	—	—
	weak or no fragipan		—	—	—
	well drained soils		—	—	—
Sg: Shoals silt loam	Shoals	95	Flood plains	No	—
	Sloan	5	Abandoned channels,depressions	Yes	2
	Lobdell		Flood plains	—	—
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	—
SkA: Sleeth silt loam, loamy substratum, 0 to 3 percent slopes	Sleeth	85	Terraces,outwash plains	No	—
	Chili	3	Terraces	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Bennington	3	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Blount	3	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	Gallman	2	Moraines,kames,outwash terraces,outwash plains	—	—
	moderately well drained soils	2	—	—	—
	Millgrove	2	Depressions	Yes	2
	slopes of 3 to 6 percent		—	—	—
	till below 48 inches		—	—	—
	less sand in the subsoil		—	—	—
	darker colored surface layer		—	—	—
Sn: Sloan silty clay loam, occasionally flooded	Sloan	85	Depressions	Yes	2
	organic soils	8	Depressions	Yes	1,3
	Newark	7	Flood plains	No	—
So: Sloan silty clay loam, sandy substratum, occasionally flooded	Sloan	90	Depressions	Yes	2
	Milford	4	Lake plains	Yes	2,3
	Pewamo	3	Moraines	Yes	2,3
	Shoals	3	Flood plains	No	—
	more gravel in the underlying material		Depressions	Yes	2
	more clay in the subsoil		Depressions	Yes	2
	lighter colored surface layer		Depressions	Yes	2
	silt loam surface layer		Depressions	Yes	2
Tg: Tioga loam, occasionally flooded	Tioga	85	Flood plains	No	—
	Lobdell	8	Flood plains	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Shoals	7	Flood plains	—	—
	more clay in the subsoil		—	—	—
	fine sandy loam surface layer		—	—	—
	silt loam surface layer		—	—	—
Ud: Udorthents, loamy	Udorthents	80	—	No	—
	relatively undisturbed soils	4	—	—	—
	piles of gravelly and loamy material	4	—	—	—
	short steep slopes	3	—	—	—
	1 area used as a sanitary landfill	3	—	—	—
	slopes of 2 to 12 percent	3	—	—	—
	areas covered with asphalt	3	—	—	—
W: Water	Water	100	—	Unranked	—
WaA: Wadsworth silt loam, 0 to 2 percent slopes	Wadsworth	80	Till plains	No	—
	Bennington	7	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Condit	7	Drainageways,depressions	Yes	2,3
	Rittman	6	Till plains	—	—
	more sand in the subsoil		—	—	—
	weak or no fragipan		—	—	—
WaB: Wadsworth silt loam, 2 to 6 percent slopes	Wadsworth	80	Till plains	No	—
	Bennington	7	Rises on end moraines,flats on ground moraines,flats on end moraines,rises on ground moraines	—	—
	Condit	7	Drainageways,depressions	Yes	2,3
	Rittman	6	Till plains	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	weak or no fragipan		—	—	—
	more sand in the subsoil		—	—	—
WhA: Wheeling silt loam, 0 to 2 percent slopes	Wheeling	100	Terraces,lake plains	No	—
	Chili		Terraces	—	—
	Bogart		Terraces	—	—
	slopes of more than 2 percent		—	—	—
WhB: Wheeling silt loam, 2 to 6 percent slopes	Wheeling	100	Lake plains,terraces	No	—
	broken sandstone at 4 to 5 feet		—	—	—
	Chili		Terraces	—	—
	Bogart		Terraces	—	—
WsB: Wooster silt loam, 2 to 6 percent slopes	Wooster	85	Moraines,till plains	No	—
	Condit	8	Depressions,drainage ways	Yes	2,3
	Wadsworth	7	Till plains	—	—
	gray mottles above the fragipan		—	—	—
	eroded areas		—	—	—
	weak or no fragipan		—	—	—
WsB2: Wooster silt loam, 2 to 6 percent slopes, moderately eroded	Wooster	100	Hills on till plains	No	—
	broken rock below 4 feet		—	—	—
	Canfield		Till plains,moraines	—	—
WsC: Wooster silt loam, 6 to 12 percent slopes	Wooster	85	Till plains,moraines	No	—
	Bennington	4	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	Chili	4	Terraces	—	—
	Condit	4	Depressions,drainage ways	Yes	2,3
	areas underlain by sandstone bedrock	3	—	—	—
	gray mottles above the fragipan		—	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	weak or no fragipan		—	—	—
	eroded areas		—	—	—
WsC2: Wooster silt loam, 6 to 12 percent slopes, eroded	Wooster	85	Till plains,moraines	No	—
	Chili	4	Terraces	—	—
	Condit	4	Depressions,drainage ways	Yes	2,3
	Bennington	4	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	areas underlain by sandstone bedrock	3	—	—	—
	weak or no fragipan		—	—	—
	gray mottles above the fragipan		—	—	—
	slightly eroded areas		—	—	—
WsD2: Wooster silt loam, 12 to 18 percent slopes, eroded	Wooster	85	Moraines,till plains	No	—
	Bennington	4	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	Chili	4	Terraces	—	—
	Condit	4	Depressions,drainage ways	Yes	2,3
	areas underlain by sandstone bedrock	3	—	—	—
	gray mottles above the fragipan		—	—	—
	weak or no fragipan		—	—	—
WsE2: Wooster silt loam, 18 to 25 percent slopes, eroded	Wooster	85	Ground moraines,hillslopes on end moraines	No	—
	Shoals	5	Flood plains	—	—
	Bennington	5	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	areas underlain by sandstone bedrock	5	—	—	—

Hydric Soil List - All Components--OH117-Morrow County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	weak or no fragipan		—	—	—
	gray mottles above the fragipan		—	—	—
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: Morrow County, Ohio
 Survey Area Data: Version 13, Sep 19, 2014