

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—OH159-Union County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Ag: Algiers silt loam	Algiers	95	Flood plains	No	—
	Sloan	5	Oxbows, sloughs	Yes	2,3,4
Ble1A1: Blount silt loam, end moraine, 0 to 2 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
Ble1B1: 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	—
BoB2: Blount silt loam, 2 to 6 percent slopes, eroded	Blount	80-95	End moraines on till plains, ground moraines on till plains	No	—
	Glynwood	0-12	End moraines on till plains, ground moraines on till plains	No	—
	Pewamo	0-9	End moraines on till plains, ground moraines on till plains	Yes	2
Bs: Brookston silty clay loam, fine texture, 0 to 2 percent slopes	Brookston	85-95	Ground moraines	Yes	2,3
	Celina	0-5	Till plains	No	—
	Crosby	5-10	Till plains	No	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
CeA: Celina silt loam, 0 to 2 percent slopes	Celina	95	Till plains,moraines	No	—
	Brookston	5	Drainageways,depressions	Yes	2,3
	Crosby		Till plains	—	—
CeB: Celina silt loam, 2 to 6 percent slopes	Celina	85-90	Till plains	No	—
	Brookston	0-5	Depressions	Yes	2,3
	Crosby	0-5	Till plains	No	—
CrA: Crosby silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Kokomo	0-5	Depressions on till plains	Yes	2,3
	Crosby	80-100	Recessionial moraines,water-lain moraines,ground moraines	No	—
	Kokomo-Drained	0-10	Depressions,swales,w ater-lain moraines	Yes	2,3
CrB: Crosby silt loam, Southern Ohio Till Plain, 2 to 6 percent slopes	Celina-Eroded	0-10	Recessionial moraines,water-lain moraines,ground moraines	No	—
	Miamian-Eroded	0-10	Recessionial moraines,water-lain moraines,ground moraines	No	—
	Crosby	80-100	Recessionial moraines,water-lain moraines,ground moraines	No	—
CsA: Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Kokomo-Drained	0-10	Depressions,swales,w ater-lain moraines	Yes	2,3
	Celina-Eroded	0-10	Recessionial moraines,water-lain moraines,ground moraines	No	—
	Lewisburg	0-10	Recessionial moraines,water-lain moraines,ground moraines	No	—
CsA: Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Miamian-Eroded	0-10	Recessionial moraines,water-lain moraines,ground moraines	No	—
	Crosby	55	Till plains	No	—
	Lewisburg	35	Till plains	No	—
	Kokomo	5	Depressions	Yes	2,3
	Odell	5	Till plains,moraines	—	—

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CsB: Crosby-Lewisburg silt loams, 2 to 6 percent slopes	Crosby	55	Till plains	No	—
	Lewisburg	35	Till plains	No	—
	Kokomo	5	Depressions	Yes	2,3
	Odell	3	Moraines,till plains	—	—
	Eroded areas	2	—	—	—
Cu: Cut and fill land	Cut and fill land	100	—	No	—
Ee: Eel silt loam	Eel	95	Flood plains	No	—
	Sloan	5	Oxbows,sloughs	Yes	2,3,4
	Genesee		Flood plains	—	—
	Shoals		Flood plains	—	—
EmB: Eldean silt loam, 2 to 6 percent slopes	Eldean	90	Kames,outwash terraces,moraines	No	—
	Kendallville	5	Eskers,moraines,kames,outwash terraces	—	—
	Thackery Variant	5	Stream terraces,outwash plains	—	—
FoA: Fox silt loam, 0 to 2 percent slopes	Fox	99	Terraces	No	—
	Occasionally flooded areas	1	—	—	—
FoB: Fox silt loam, 2 to 6 percent slopes	Fox	100	Terraces	No	—
FoB2: Fox silt loam, 2 to 6 percent slopes, moderately eroded	Fox	100	Terraces	No	—
FoC2: Fox silt loam, 6 to 12 percent slopes, moderately eroded	Fox	100	Terraces	No	—
	Kendallville		Moraines,kames,outwash terraces,eskers	—	—
FpC2: Fox-Miami silt loams, 6 to 12 percent slopes, moderately eroded	Fox	60	Terraces	No	—
	Miami	40	Till plains	No	—
	Severely eroded areas		—	—	—
Gn: Genesee silt loam	Genesee	95	Flood plains	No	—
	Sloan	5	Oxbows,sloughs	Yes	2,3,4
	Eel		Flood plains,flood-plain steps	—	—
Gp: Gravel pits	Gravel pits	100	—	Unranked	—
Gwd1C1: Glynwood silt loam, 6 to 12 percent slopes	Glynwood	80-95	End moraines	No	—
	Blount	0-9	Flats on end moraines	No	—

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	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	—
Gwe1B1: Glynwood silt loam, end moraine, 2 to 6 percent slopes	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
Gwe1B2: Glynwood silt 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
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
Gwg1B2: Glynwood silt loam, ground moraine, 2 to 6 percent slopes, eroded	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	—

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	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
HeA: Henshaw silt loam, 0 to 2 percent slopes	Henshaw	85	Stream terraces	No	—
	Occasionally flooded areas	5	—	—	—
	Patton	5	Drainageways, depressions	Yes	2,3
	Montgomery	5	Depressions	Yes	2,3
Ho: Homer silt loam	Homer	95	Outwash terraces, outwash plains	No	—
	Lippincott	5	Drainageways, depressions	Yes	2,3
Ka: Kane silt loam	Kane	90	Stream terraces, outwash plains	No	—
	ponded areas	5	Depressions	Yes	2,3
	Westland	5	Depressions	Yes	2,3
KeA: Kendallville silt loam, 0 to 2 percent slopes	Kendallville	100	Kames, eskers, outwash terraces, moraines	No	—
	Fox		Terraces	—	—
KeB: Kendallville silt loam, 2 to 6 percent slopes	Kendallville	100	Eskers, outwash terraces, moraines, kames	No	—
	Fox		Terraces	—	—
Ko: Kokomo silty clay loam, 0 to 2 percent slopes	Kokomo	85-95	Depressions on till plains	Yes	2,3
	Celina	5-10	Till plains	No	—
	Crosby	5-10	Till plains	No	—
LbB: Lewisburg-Celina silt loams, 2 to 6 percent slopes	Lewisburg	50	Till plains	No	—
	Celina	30	Moraines, till plains	No	—
	Crosby	10	Till plains	—	—
	Miamian	10	Till plains	—	—

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Lc: Lippincott silty clay loam	Lippincott	95	Depressions	Yes	2,3
	Homer	5	Terraces, valley trains, outwash plains	No	—
LeB: Lewisburg-Crosby complex, 2 to 6 percent slopes	Lewisburg	45	Till plains	No	—
	Crosby	40	Till plains	No	—
	Kokomo	15	Depressions	Yes	2
	eroded areas with a clay loam surface layer		—	—	—
LsA: Lobdell, channery substratum-Sloan, till substratum complex, 0 to 2 percent slopes, occasionally flooded	Lobdell	60	Flood plains	No	—
	Sloan	35	Abandoned channels on flood plains, backswamps on flood plains	Yes	2
	Jimtown	5	Terraces	No	—
	well drained soils that have a darker surface layer		—	No	—
	lighter colored surface layer		—	—	—
	frequently flooded areas		—	—	—
	better drained soils		—	—	—
	more gravel in the substratum		—	—	—
LyD2: Lybrand silt loam, 12 to 18 percent slopes, eroded	Lybrand	90	End moraines, ground moraines	No	—
	Milton	10	Till plains	—	—
	moderately well drained soils		—	—	—
	more clay in the surface layer		—	—	—
MIB: Miamian silt loam, 2 to 6 percent slopes	Miamian	95	Till plains	No	—
	Brookston	5	Drainageways, depressions	Yes	2,3
	steeper, moderately eroded areas		—	—	—
	Celina		Till plains, moraines	—	—

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MIC2: Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	100	Till plains	No	—
	slightly eroded areas		—	—	—
	severely eroded areas		—	—	—
MID2: Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	95	Till plains	No	—
	gullied areas	5	—	—	—
	slightly eroded areas		—	—	—
	severely eroded areas		—	—	—
MIF2: Miamian silt loam, 18 to 35 percent slopes, moderately eroded	Miamian	100	Till plains	No	—
Mm: Millgrove silty clay loam, 0 to 2 percent slopes, rarely flooded	Millgrove	95	Depressions on outwash terraces, drainage ways on outwash terraces, flats on outwash terraces	Yes	2
	Stone	5	Stream terraces, outwash terraces, outwash plains	No	—
Mni3A: Minster silty clay loam, till substratum, 0 to 1 percent slopes	Minster-Till substratum	80-95	Till plains	Yes	2
	Walkkill	0-9	Till plains	Yes	2,3
	Blount	0-9	Rises on till plains	No	—
Mns3A: Minster silty clay loam, 0 to 1 percent slopes	Minster	85-95	Lake plains	Yes	2
	McGary	0-9	Lake plains	No	—
	Saranac	0-6	Flood plains	Yes	2
MrD2: Morley silt loam, 12 to 18 percent slopes, moderately eroded	Morley	100	End moraines, ground moraines	No	—
	slightly eroded areas		—	—	—
MrE2: Morley silt loam, 18 to 25 percent slopes, moderately eroded	Morley	95	End moraines, ground moraines	No	—
	gullied areas	5	—	—	—
	slightly eroded areas		—	—	—
MrF2: Morley silt loam, 25 to 50 percent slopes, moderately eroded	Morley	95	Ground moraines, end moraines	No	—
	gullied areas	5	—	—	—

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	slightly eroded areas		—	—	—
Mu: Muskego muck	Muskego	100	Depressions	Yes	1,3
	marl beneath the sapric material		Depressions	Yes	1,3
	silt loam overwash		Depressions	Yes	1,3
	over 40 inches of sapric material		Depressions	Yes	1,3
No: Nolin silt loam, 0 to 2 percent slopes, occasionally flooded	Nolin	85	Flood plains	No	—
	frequently flooded areas	5	Flood plains	Yes	4
	Sloan	5	Depressions	Yes	2
	Newark	5	Flood plains	—	—
NpA: Nappanee silt loam, 0 to 2 percent slopes	Nappanee	95	Lake plains	No	—
	Paulding	5	Drainageways, depressions	Yes	2,3
NpB: Nappanee silt loam, 2 to 6 percent slopes	Nappanee	95	Lake plains	No	—
	Paulding	5	Drainageways, depressions	Yes	2,3
OdA: Odell silt loam, 0 to 2 percent slopes	Odell	95	Moraines, till plains	No	—
	Brookston	5	Drainageways, depressions	Yes	2,3
	Crosby		Till plains	—	—
OeA: Odell-Lewisburg complex, 0 to 2 percent slopes	Odell	60	Moraines, till plains	No	—
	Lewisburg	30	Till plains	No	—
	Crosby	5	Till plains	—	—
	Kokomo	5	Drainageways	Yes	2,3
Pa: Paulding silty clay	Paulding	95	Depressions	Yes	2,3
	Nappanee	5	Lake plains	No	—
	silty clay loam surface layer		Depressions	Yes	2,3

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Pk: Pewamo silty clay loam, 0 to 1 percent slopes	Pewamo	85	Drainageways on ground moraines,flats on end moraines,flats on ground moraines,depressions on end moraines,depressions on ground moraines,drainageways on end moraines	Yes	2
	Bennington	0-15	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
	Blount	0-15	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
	thinner surface layer		Flats on end moraines,drainageways on ground moraines,drainageways on end moraines,depressions on ground moraines,depressions on end moraines,flats on ground moraines	Yes	2

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	thicker surface layer		Depressions on end moraines, flats on ground moraines, flats on end moraines, drainage ways on ground moraines, drainage ways on end moraines, depressions on ground moraines	Yes	2
	lenses of very fine sand and silt in the substratum		Depressions on ground moraines, depressions on end moraines, flats on ground moraines, flats on end moraines, drainage ways on ground moraines, drainage ways on end moraines	Yes	2
Pm: Pewamo silty clay loam	Pewamo	90	Ground moraines	Yes	2,3
	Algiers	5	Flood plains	No	—
	Blount	5	Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	No	—
	Montgomery		Depressions	Yes	2,3
	Wetzel		Depressions	Yes	2,3
Qu: Quarries	Quarries	100	—	No	—
Ro: Ross silt loam	Ross	85	Terraces, flood plains	No	—
	Lippincott	5	Depressions	Yes	2,3
	Sloan	5	Oxbows, sloughs	Yes	2,3,4
	Warsaw overwash	5	Outwash plains, terraces, kames, valley trains	—	—
RpA: Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded	Rossburg	85	Flood plains	No	—
	Scioto	5	Stream terraces, kames, outwash terraces, eskers	—	—

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	Sloan	5	Abandoned channels on flood plains	Yes	2
	Gallman	5	Kames,outwash terraces,outwash plains,moraines	—	—
	moderately well drained soils		—	—	—
	thicker surface layer		—	—	—
RrA: Rossburg-Sloan complex, 0 to 2 percent slopes, occasionally flooded	Rossburg	50	Flood plains	No	—
	Sloan	40	Abandoned channels on flood plains,backswamps on flood plains	Yes	2
	Gallman	10	Moraines,kames,outwash terraces,outwash plains	No	—
	lighter colored surface layer		—	—	—
	moderately well drained soils		—	—	—
	thicker surface layer		—	—	—
Sac3AF: Saranac silty clay loam, 0 to 1 percent slopes, frequently flooded	Saranac-Brief duration	85-95	Flood plains	Yes	2
	Saranac-Long duration	0-9	Backswamps on flood plains	Yes	2,4
	Defiance	0-9	Flood plains	No	—
ScB: St. Clair silt loam, 2 to 6 percent slopes	St. Clair	95	End moraines,lake plains,ground moraines	No	—
	Paulding	5	Drainageways	Yes	2,3
	Nappanee		Lake plains	—	—
ScB2: St. Clair silt loam, 2 to 6 percent slopes, moderately eroded	St. Clair	95	End moraines,lake plains,ground moraines	No	—
	Paulding	5	Drainageways	Yes	2,3
	Nappanee		Lake plains	—	—
ScC: St. Clair silt loam, 6 to 12 percent slopes	St. Clair	95	End moraines,lake plains,ground moraines	No	—
	Paulding	5	Drainageways	Yes	2,3

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	moderately steep slopes		—	—	—
	moderately eroded areas		—	—	—
ScC2: St. Clair silt loam, 6 to 12 percent slopes, moderately eroded	St. Clair	90	Ground moraines,end moraines,lake plains	No	—
	gullied areas	5	—	—	—
	Paulding	5	Drainageways	Yes	2,3
	severely eroded areas		—	—	—
	moderately steep slopes		—	—	—
SdA: Scioto silt loam, 0 to 2 percent slopes	Scioto	90	Stream terraces,kames,out wash terraces,eskers	No	—
	Glynwood	10	Ground moraines,end moraines	—	—
	more sand and less clay in the substratum		—	—	—
SdB: Scioto silt loam, 2 to 6 percent slopes	Scioto	90	Stream terraces,kames,out wash terraces,eskers	No	—
	Glynwood	10	—	—	—
	eroded surface layer		—	—	—
	more sand and less clay in the substratum		—	—	—
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	—
SIA: Sleeth silt loam, 0 to 2 percent slopes	Sleeth	95	Stream terraces,outwash terraces,outwash plains	No	—
	Westland	5	Depressions,drainage ways	Yes	2,3
Sn: Sloan silt loam	Sloan	100	Flood plains	Yes	2,4
	Silty clay loam surface layer		Flood plains	Yes	2,4
So: Sloan silty clay loam	Sloan	95	Flood plains	Yes	2,3,4
	Algiers	5	Flood plains	No	—

Hydric Soil List - All Components--OH159-Union County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
SpA: Sloan silty clay loam, till substratum, 0 to 2 percent slopes, occasionally flooded	Sloan	85	Flats on flood plains, abandoned channels on flood plains, backswamps on flood plains	Yes	2
	Pewamo	8	Depressions on ground moraines, depressions on end moraines, flats on ground moraines, flats on end moraines, drainage ways on ground moraines, drainage ways on end moraines	Yes	2
	Shoals	7	Flood plains	No	—
	lighter colored surface layer		Backswamps on flood plains, flats on flood plains, abandoned channels on flood plains	Yes	2
	till substratum at a depth of more than 80 inches		Flats on flood plains, abandoned channels on flood plains, backswamps on flood plains	Yes	2
	frequently flooded areas		Flats on flood plains, abandoned channels on flood plains, backswamps on flood plains	Yes	2
UdB: Udorthents, clayey-Urban land complex, undulating	Udorthents	45	—	Unranked	—
	Urban land	40	—	Unranked	—
	Pewamo	5	Drainageways on outwash terraces, drainageways on end moraines, drainage ways on ground moraines	Yes	2
	Cardington	0-5	End moraines, ground moraines	—	—

Hydric Soil List - All Components--OH159-Union County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Bennington	0-5	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—
	Blount	0-5	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Glynwood	0-5	End moraines,ground moraines	—	—
Ut: Udorthents-Urban land complex, gently rolling	Udorthents	50	—	No	—
	Urban land	40	—	Unranked	—
	areas similar to adjacent soils	5	—	—	—
	slopes of 12 to 55 percent	5	—	—	—
W: Water	Water	100	—	Unranked	—
WaB: Warsaw silt loam, 1 to 4 percent slopes	Warsaw	100	Kames,outwash plains,terraces	No	—
	Fox		Terraces	—	—
Wc: Westland silty clay loam	Westland	95	Depressions	Yes	2,3
	Sleeth	5	Stream terraces,outwash terraces,outwash plains	No	—
We: Wetzel silty clay loam	Wetzel	95	Depressions	Yes	2,3
	Blount	5	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	No	—
	Pewamo		Ground moraines	Yes	2,3

Data Source Information

Soil Survey Area: Union County, Ohio
 Survey Area Data: Version 13, Sep 19, 2014