

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—OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
ApB: Arkport loamy fine sand, 2 to 6 percent slopes	Arkport	95	Beach ridges on lake plains, beach ridges on ground moraines, dunes on lake plains, dunes on ground moraines	No	—
	Lamson	5	Depressions	Yes	2,3
	Ottokee		Beach ridges on lake plains, dunes on lake plains	—	—
	Tuscola Variant		Lake plains, deltas	—	—
BIB: Belmore sandy loam, 1 to 6 percent slopes	Belmore	95	Outwash terraces, beach ridges, outwash plains	No	—
	Millgrove	3	Depressions	Yes	2,3
	Mermill	2	Depressions	Yes	2,3
	Haney		Outwash terraces, outwash plains, glacial drainage channels	—	—
	Haskins		Lake plains, till plains	—	—
	Rawson		Lake plains, outwash plains, till plains	—	—
	Oshtemo		Terraces	—	—
	Digby		Outwash terraces, outwash plains	—	—
	loam surface layer		—	—	—
	BnA: Blount loam, 0 to 2 percent slopes	Blount	80-95	Ground moraines on till plains, end moraines on till plains	No
Pewamo		0-9	Ground moraines on till plains, end moraines on till plains	Yes	2
Haskins		0-9	Ground moraines on till plains, end moraines on till plains	No	—
Glynwood		0-9	Ground moraines on till plains, end moraines on till plains	No	—

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BnB: Blount loam, 2 to 6 percent slopes	Blount	80-95	Ground moraines on till plains,end moraines on till plains	No	—
	Glynwood	0-9	Ground moraines on till plains,end moraines on till plains	No	—
	Haskins	0-9	Ground moraines on till plains,end moraines on till plains	No	—
	Pewamo	0-12	Ground moraines on till plains,end moraines on till plains	Yes	2
BnB2: Blount loam, 2 to 6 percent slopes, moderately eroded	Blount	95	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	No	—
	Pewamo	5	Depressions,drainage ways	Yes	2,3
	sandy or gravelly surface layer		—	—	—
	Glynwood		Ground moraines,end moraines	—	—
BoA: Blount loam, loamy substratum, 0 to 2 percent slopes	Blount	95	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	No	—
	Pewamo	5	Depressions,drainage ways	Yes	2,3
	Haskins		Lake plains,till plains	—	—
	Rimer		Lake plains,till plains	—	—
BoB: Blount loam, loamy substratum, 2 to 6 percent slopes	Blount	100	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	No	—
	soils over gravelly clay loam or gravelly sandy loam		—	—	—
	Haskins		Lake plains,till plains	—	—
	Glynwood		Ground moraines,end moraines	—	—

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	Rimer		Lake plains,till plains	—	—
Bp: Bono silty clay loam	Bono	100	Depressions	Yes	2,3
	Walkill		Depressions	Yes	2,3,4
	Millgrove		Depressions	Yes	2,3
	Mermill		Depressions	Yes	2,3
	Pewamo		Depressions	Yes	2,3
BrB: Boyer loamy sand, 1 to 6 percent slopes	Boyer	80-95	Moraines,terraces	No	—
	Oshtemo	0-12	Moraines,stream terraces	No	—
	Bronson	0-9	Moraines,stream terraces	No	—
BrC: Boyer loamy sand, 6 to 12 percent slopes	Boyer	80-95	Moraines,stream terraces	No	—
	Oshtemo	0-12	Moraines,stream terraces	No	—
	Spinks	0-9	Moraines,stream terraces	No	—
BsD: Boyer loamy sand, 12 to 18 percent slopes	Boyer	80-95	Moraines,stream terraces	No	—
	Oshtemo	0-12	Moraines,stream terraces	No	—
	Spinks	0-9	Moraines,stream terraces	No	—
BtB: Bronson sandy loam, 1 to 6 percent slopes	Bronson	85	Beach ridges,stream terraces	No	—
	Digby	8	Outwash terraces,outwash plains	—	—
	Belmore	7	Outwash terraces,beach ridges,outwash plains	—	—
Ca: Carlisle muck	Carlisle	100	Bogs	Yes	1,3,4
	Millgrove		Depressions	Yes	2,3
	clayey or sandy materials at shallow depths		Bogs	Yes	1,3,4
	Walkill		Depressions	Yes	2,3,4
	Mermill		Depressions	Yes	2,3
	Edwards		Depressions	Yes	1,3
Ce: Ceresco sandy loam	Ceresco	95	Flood plains	No	—
	Cohoctah	5	Depressions	Yes	2

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	thinner and slightly lighter colored surface layer		—	—	—
	Landes		Flood plains	—	—
Ch: Cohoctah loam	Cohoctah	95	Flood plains	Yes	2
	Ceresco	5	Flood plains	No	—
	Sloan		Flood plains	Yes	2
Cn: Colwood loam	Colwood	85	Depressions on outwash plains, depressions on deltas, flats on deltas, flats on outwash plains	Yes	2,3
	Kibbie	4	Ground moraines, lake plains, deltas, outwash plains	No	—
	Lamson	4	Depressions on lake plains	Yes	2,3
	Dixboro	4	Lake plains, outwash plains	No	—
	Lenawee	3	Depressions on deltas, depressions on outwash plains, flats on outwash plains, flats on deltas	Yes	2,3
Cp: Colwood silt loam	Colwood	95	Lake plains	Yes	2,3
	Kibbie	5	Ground moraines, lake plains, deltas, outwash plains	No	—
	loam surface layer		Lake plains	Yes	2,3
	Lenawee		Lake plains	Yes	2,3
DdA: Del Rey silt loam, 0 to 3 percent slopes	Del Rey	85	Till plains	No	—
	substratum of stratified silt and sand	5	—	—	—
	Kibbie	5	Ground moraines, lake plains, deltas, outwash plains	—	—
	Lenawee	5	Depressions on outwash plains, depressions on deltas, drainageways on outwash plains, drainageways on deltas	Yes	2,3

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DeA: Del Rey loam, 0 to 2 percent slopes	Del Rey	95	Till plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	sandy areas		—	—	—
DeB: Del Rey loam, 2 to 6 percent slopes	Del Rey	95	Till plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	sandy and gravelly substratum		—	—	—
	sandy areas		—	—	—
DfA: Del Rey silty clay loam, 0 to 2 percent slopes	Del Rey	95	Till plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	Kibbie		Ground moraines, lake plains, deltas, outwash plains	—	—
	Fulton		Lake plains	—	—
DfB: Del Rey silty clay loam, 2 to 6 percent slopes	Del Rey	95	Till plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	Kibbie		Ground moraines, lake plains, deltas, outwash plains	—	—
	Shinrock		Disintegration moraines, lake plains	—	—
	Fulton		Lake plains	—	—
DgA: Digby sandy loam, 0 to 3 percent slopes	Digby	95	Outwash terraces, outwash plains	No	—
	Millgrove	5	Depressions	Yes	2,3
	Haskins		Lake plains, till plains	—	—
DmA: Digby loam, 0 to 3 percent slopes	Digby	95	Outwash terraces, outwash plains	No	—
	Millgrove	5	Drainageways	Yes	2,3

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	Haskins		Lake plains,till plains	—	—
	Blount		Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
	Del Rey		Till plains	—	—
Ed: Edwards muck	Edwards	100	Swamps	Yes	1,3
	Mermill		Depressions	Yes	2,3
	mineral layer between the muck and the marl		Swamps	Yes	1,3
	Pewamo		Depressions	Yes	2,3
Ee: Eel loam	Eel	95	Flood plains	No	—
	Sloan	5	Depressions,abandoned channels	Yes	2
	Shoals		Flood plains	—	—
	Genesee		Flood plains	—	—
FsA: Fulton loam, 0 to 2 percent slopes	Fulton	95	Lake plains	No	—
	Toledo	3	Depressions,drainage ways	Yes	2,3
	Latty	2	Depressions,drainage ways	Yes	2,3
	Del Rey		Till plains	—	—
FsB: Fulton loam, 2 to 6 percent slopes	Fulton	100	Lake plains	No	—
	silty clay loam surface layer		—	—	—
	Del Rey		Till plains	—	—
FuA: Fulton silty clay loam, 0 to 2 percent slopes	Fulton	95	Lake plains	No	—
	Toledo	3	Depressions,drainage ways	Yes	2,3
	Latty	2	Depressions,drainage ways	Yes	2,3
	loam surface layer		—	—	—
	Del Rey		Till plains	—	—
FuB: Fulton silty clay loam, 2 to 6 percent slopes	Fulton	100	Lake plains	No	—
	moderately eroded, more sloping areas		—	—	—

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	loam surface layer		—	—	—
	Del Rey		Till plains	—	—
FvA: Fulton silty clay loam, 0 to 3 percent slopes	Fulton	90	Lake plains	No	—
	Toledo	5	Depressions, drainage ways	Yes	2,3
	Latty	5	Depressions, drainage ways	Yes	2,3
Ge: Genesee loam	Genesee	95	Flood plains	No	—
	Sloan	5	Abandoned channels, drainage ways	Yes	2
	Landes		Flood plains	—	—
	Shoals		Flood plains	—	—
	Eel		Flood-plain steps, flood plains	—	—
Gf: Gilford fine sandy loam	Gilford	95	Depressions	Yes	2,3
	Digby	5	Outwash terraces, outwash plains	No	—
	Millgrove		Depressions	Yes	2,3
	Mermill		Depressions	Yes	2,3
GIB: Glynwood loam, 2 to 6 percent slopes	Glynwood	80-90	Ground moraines on till plains, end moraines on till plains	No	—
	Rawson	0-12	Ground moraines on till plains, end moraines on till plains	No	—
	Blount	0-9	Ground moraines on till plains, end moraines on till plains	No	—
	Pewamo	0-7	Ground moraines on till plains, end moraines on till plains	Yes	2
GIB2: Glynwood loam, 2 to 6 percent slopes, eroded	Glynwood	80-90	Ground moraines on till plains, end moraines on till plains	No	—
	Rawson	0-12	Ground moraines on till plains, end moraines on till plains	No	—

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	Blount	0-9	Ground moraines on till plains,end moraines on till plains	No	—
	Pewamo	0-7	Ground moraines on till plains,end moraines on till plains	Yes	2
GIC: Glynwood loam, 6 to 12 percent slopes	Glynwood	100	Ground moraines,end moraines	No	—
	loamier, more pervious substratum		—	—	—
	Seward		Beach ridges on lake plains,beach ridges on till plains,dunes on till plains,dunes on lake plains	—	—
GIC2: Glynwood loam, 6 to 12 percent slopes, moderately eroded	Glynwood	100	Ground moraines,end moraines	No	—
	loamier, more pervious substratum		—	—	—
	Seward		Dunes on lake plains,beach ridges on lake plains,beach ridges on till plains,dunes on till plains	—	—
	Rawson		Lake plains,outwash plains,till plains	—	—
	severely eroded areas		—	—	—
GID2: Glynwood loam, 12 to 18 percent slopes, moderately eroded	Glynwood	100	Ground moraines,end moraines	No	—
	severely eroded areas with a clay loam surface layer		—	—	—
	loamier, more pervious substratum		—	—	—
GIE2: Glynwood loam, 18 to 40 percent slopes, moderately eroded	Glynwood	100	Ground moraines,end moraines	No	—
	severely eroded areas with a clay loam surface layer		—	—	—
	loamy substratum		—	—	—

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HaB: Haney loam, 1 to 6 percent slopes	Haney	95	Outwash terraces,glacial drainage channels,outwash plains	No	—
	Millgrove	5	Drainageways	Yes	2,3
	Oshemo		Terraces	—	—
	Rawson		Lake plains,outwash plains,till plains	—	—
	Belmore		Outwash terraces,beach ridges,outwash plains	—	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
HcA: Hoytville silty clay loam, 0 to 1 percent slopes	Hoytville	85-98	Depressions,drainage ways,flats	Yes	2
	Nappanee	2-15	Rises on lake plains	No	—
HeB: Haney-Rawson sandy loams, 1 to 6 percent slopes	Haney	55	Outwash terraces,glacial drainage channels,outwash plains	No	—
	Rawson	35	Lake plains,outwash plains,till plains	No	—
	Millgrove	3	Drainageways	Yes	2,3
	Morley	2	Moraines,till plains	—	—
	Mermill	2	Drainageways	Yes	2,3
	Ottokee	1	Beach ridges on lake plains,dunes on lake plains	—	—
	Shinrock	1	Disintegration moraines,lake plains	—	—
	Spinks	1	Moraines,lake plains,beach ridges,beach ridges,beach ridges,outwash plains,dunes,dunes, dunes	—	—
HeC: Haney-Rawson sandy loams, 6 to 12 percent slopes	Haney	55	Outwash terraces,glacial drainage channels,outwash plains	No	—
	Rawson	35	Lake plains,outwash plains,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)
	Millgrove	3	Drainageways	Yes	2,3
	Mermill	2	Drainageways	Yes	2,3
	Spinks	1	Moraines,lake plains,beach ridges,beach ridges,beach ridges,outwash plains,dunes,dunes, dunes	—	—
	Glynwood	1	Ground moraines,end moraines	—	—
	Ottokee	1	Beach ridges on lake plains,dunes on lake plains	—	—
	Tuscola Variant	1	Lake plains,deltas	—	—
	Shinrock	1	Disintegration moraines,lake plains	—	—
HhA: Haskins fine sandy loam, 0 to 2 percent slopes	Haskins	95	Ridges on stream terraces,ridges on outwash plains,ridges on beach ridges,knolls on beach ridges,knolls on stream terraces,knolls on outwash plains	No	—
	Mermill	3	Flats	Yes	2,3
	Hoytville	2	Flats	Yes	2,3
	gently sloping areas		—	—	—
	loam surface layer		—	—	—
	Rimer		Lake plains,till plains	—	—
	loamy surface layer and subsoil 14 to 20 inches thick		—	—	—
	darker colored surface layer less than 10 inches thick		—	—	—
HkA: Haskins sandy loam, 0 to 3 percent slopes	Haskins	95	Lake plains,till plains	No	—
	Mermill	5	Depressions,drainage ways	Yes	2,3
	more sandy soils		—	—	—
	Digby		Outwash terraces,outwash plains	—	—

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HnA: Haskins loam, 0 to 3 percent slopes	Haskins	95	Lake plains,till plains	No	—
	Mermill	5	Depressions,drainage ways	Yes	2,3
	soils formed in strat. silt/fine sand over clay loam till		—	—	—
	Digby		Outwash terraces,outwash plains	—	—
HoA: Hoytville clay loam, 0 to 1 percent slopes	Hoytville	85-98	Depressions,drainage ways,flats	Yes	2
	Nappanee	2-15	Rises on lake plains	No	—
	Houcktown	0-2	Beach ridges on lake plains,rises on lake plains,flats on lake plains	No	—
KIA: Kibbie very fine sandy loam, 0 to 2 percent slopes	Kibbie	95	Ground moraines,lake plains,deltas,outwash plains	No	—
	Colwood	5	Depressions,drainage ways	Yes	2,3
	Rimer		Lake plains,till plains	—	—
	less clay in the subsoil		—	—	—
KIB: Kibbie very fine sandy loam, 2 to 6 percent slopes	Kibbie	95	Ground moraines,lake plains,deltas,outwash plains	No	—
	Colwood	5	Depressions,drainage ways	Yes	2,3
	Del Rey		Till plains	—	—
	less clay in the subsoil		—	—	—
KmA: Kibbie loam, 0 to 3 percent slopes	Kibbie	85	Ground moraines,lake plains,deltas,outwash plains	No	—
	Lenawee	5	Depressions on outwash plains,depressions on deltas,drainageways on outwash plains,drainageways on deltas	Yes	2,3

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	Bixler	5	Beach ridges on lake plains, beach ridges on outwash plains, rises on outwash plains, rises on lake plains	—	—
	Colwood	5	Depressions on deltas, depressions on outwash plains, drainageways on deltas, drainageways on outwash plains	Yes	2,3
La: Lamson very fine sandy loam	Lamson	95	Depressions	Yes	2,3
	Kibbie	5	Ground moraines, lake plains, deltas, outwash plains	No	—
	Millgrove		Outwash plains	Yes	2,3
	Colwood		Lake plains	Yes	2,3
Lb: Landes sandy loam	Landes	100	Flood plains	No	—
	Eel		Flood-plain steps, flood plains	—	—
	Genesee		Flood plains	—	—
	Ceresco		Flood plains	—	—
	sandier soils		—	—	—
Lc: Latty silty clay	Latty	95	Lake plains	Yes	2,3
	Fulton	2	Lake plains	No	—
	Nappanee	1	Lake plains	No	—
	Haskins	1	Lake plains, till plains	No	—
	Del Rey	1	Till plains	No	—
	Mermill		Lake plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
	Paulding		Lake plains	Yes	2,3
Lf: Lenawee silty clay loam	Lenawee	95	Depressions	Yes	2,3
	Del Rey	5	Till plains	No	—
	Latty		Lake plains	Yes	2,3
	Colwood		Lake plains	Yes	2,3
	Toledo		Lake plains	Yes	2,3
LuB2: Lucas silty clay loam, 2 to 6 percent slopes, moderately eroded	Lucas	100	Lake plains	No	—
	sandy spots		—	—	—
	Fulton		Lake plains	—	—

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LuC2: Lucas silty clay loam, 6 to 12 percent slopes, moderately eroded	Lucas	100	Lake plains	No	—
	sandy spots		—	—	—
LuD2: Lucas silty clay loam, 12 to 25 percent slopes, moderately eroded	Lucas	100	Lake plains	No	—
	Tuscola Variant		Lake plains,deltas	—	—
	severely eroded areas		—	—	—
LwC3: Lucas silty clay, 6 to 12 percent slopes, severely eroded	Lucas	95	Drainageways on lake plains	No	—
	moderately eroded areas	5	—	—	—
	St. Clair		Ground moraines,lake plains,end moraines	—	—
LwE3: Lucas silty clay, 12 to 45 percent slopes, severely eroded	Lucas	95	Drainageways on lake plains	No	—
	less eroded areas	5	—	—	—
	St. Clair		Ground moraines,lake plains,end moraines	—	—
Ma: Martisco muck	Martisco	100	Depressions	Yes	2,3,4
	marl near or at the surface		Depressions	Yes	2,3,4
	Edwards		Depressions	Yes	1,3
	Carlisle		Depressions	Yes	1,3,4
	Pewamo		Depressions	Yes	2,3
Md: Mermill loam	Mermill	95	Flats	Yes	2,3
	Haskins	5	Lake plains,till plains	No	—
	clay loam surface layer		Flats	Yes	2,3
	Millgrove		Flats	Yes	2,3
	Pewamo		Depressions on till plains,depressions on moraines,drainage ways on moraines,drainage ways on till plains,flats on moraines,flats on till plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
Mh: Millgrove loam	Millgrove	95	Flats	Yes	2,3
	Haskins	3	Lake plains,till plains	No	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Digby	2	Outwash terraces, outwash plains	No	—
	Toledo		Lake plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
	Latty		Lake plains	Yes	2,3
	Pewamo		Depressions on moraines, depressions on till plains, drainageways on till plains, drainageways on moraines, flats on moraines, flats on till plains	Yes	2,3
	Mermill		Lake plains	Yes	2,3
Mk: Millgrove clay loam	Millgrove	95	Flats	Yes	2,3
	Digby	3	Outwash terraces, outwash plains	No	—
	Haskins	2	Lake plains, till plains	No	—
	Latty		Lake plains	Yes	2,3
	Pewamo		Depressions on moraines, depressions on till plains, drainageways on moraines, drainageways on till plains, flats on moraines, flats on till plains	Yes	2,3
	Toledo		Lake plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
	Mermill		Lake plains	Yes	2,3
NnA: Nappanee loam, 0 to 2 percent slopes	Nappanee	100	Lake plains	No	—
	Fulton		Lake plains	—	—
	Del Rey		Till plains	—	—
	silt loam surface layer		—	—	—
NnB: Nappanee loam, 2 to 6 percent slopes	Nappanee	100	Lake plains	No	—
	Haskins		Lake plains, till plains	—	—
	Fulton		Lake plains	—	—
	Del Rey		Till plains	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	silt loam surface layer		—	—	—
	Rimer		Lake plains,till plains	—	—
	moderately eroded areas with a silty clay loam surface layer		—	—	—
NpA: Nappanee silty clay loam, 0 to 2 percent slopes	Nappanee	100	Lake plains	No	—
	Del Rey		Till plains	—	—
	Fulton		Lake plains	—	—
	Rimer		Lake plains,till plains	—	—
	Haskins		Lake plains,till plains	—	—
OpB: Oshtemo loamy sand, 0 to 6 percent slopes	Oshtemo	85	Terraces	No	—
	Spinks	8	Beach ridges,beach ridges,beach ridges,lake plains,moraines,dunes,dunes,outwash plains,dunes	—	—
	Boyer	7	Moraines,outwash plains,stream terraces	—	—
OrB: Oshtemo loamy sand, 2 to 6 percent slopes	Oshtemo	100	Terraces	No	—
	Digby		Outwash terraces,outwash plains	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
	Belmore		Outwash terraces,beach ridges,outwash plains	—	—
OrC: Oshtemo loamy sand, 6 to 12 percent slopes	Oshtemo	100	Terraces	No	—
	sandy loam surface layer		—	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
	Belmore		Outwash terraces,beach ridges,outwash plains	—	—
OsB: Oshtemo sandy loam, 2 to 6 percent slopes	Oshtemo	100	Terraces	No	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
	Belmore		Outwash terraces,beach ridges,outwash plains	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
OtB: Ottokee fine sand, 0 to 6 percent slopes	Ottokee	100	Beach ridges on lake plains,dunes on lake plains	No	—
	somewhat poorly drained soils		—	—	—
	Seward		Beach ridges on lake plains,beach ridges on till plains,dunes on lake plains,dunes on till plains	—	—
Pa: Paulding clay, 0 to 1 percent slopes	Paulding	85-100	Lakebeds (relict)	Yes	2,3
	Roselms	0-7	Lakebeds (relict)	No	—
	Latty	0-5	Lakebeds (relict)	Yes	2,3
	Rimer	0-3	Lakebeds (relict)	No	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Pk: Pewamo clay loam	Pewamo	90	Drainageways on moraines, drainage ways on till plains, flats on till plains, flats on moraines	Yes	2,3
	Blount	4	Rises on ground moraines, rises on end moraines, flats on ground moraines, flats on end moraines	No	—
	Mermill	3	Lake plains, till plains	Yes	2,3
	Haskins	3	Lake plains, till plains	No	—
Pm: Pewamo silty clay loam	Pewamo	95	Flats	Yes	2,3
	Blount	3	Rises on ground moraines, rises on end moraines, flats on ground moraines, flats on end moraines	No	—
	Haskins	2	Lake plains, till plains	No	—
	loam substratum		Flats	Yes	2,3
	1-2 feet of lacustrine clays over till		Flats	Yes	2,3
	Mermill		Lake plains, till plains	Yes	2,3
	loam surface layer		Flats	Yes	2,3
Pt: Pits, gravel	Pits	100	—	Unranked	—
RIB: Rawson sandy loam, 2 to 6 percent slopes	Rawson	100	Lake plains, outwash plains, till plains	No	—
	Boyer		Moraines, outwash plains, stream terraces	—	—
	Oshtemo		Terraces	—	—
	Haney		Outwash terraces, glacial drainage channels, outwash plains	—	—
	Glynwood		Ground moraines, end moraines	—	—
RIC: Rawson sandy loam, 6 to 12 percent slopes	Rawson	100	Lake plains, till plains, outwash plains	No	—
	Boyer		Moraines, outwash plains, stream terraces	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Oshtemo		Terraces	—	—
	Glynwood		Ground moraines,end moraines	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
	moderately steep areas		—	—	—
RmB: Rawson loam, 2 to 6 percent slopes	Rawson	100	Lake plains,till plains,outwash plains	No	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
	Glynwood		Ground moraines,end moraines	—	—
	Oshtemo		Terraces	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
RmC: Rawson loam, 6 to 12 percent slopes	Rawson	100	Lake plains,till plains,outwash plains	No	—
	moderately steep areas		—	—	—
	Boyer		Moraines,outwash plains,stream terraces	—	—
	Oshtemo		Terraces	—	—
RnA: Rimer loamy fine sand, 0 to 3 percent slopes	Rimer	95	Lake plains,till plains	No	—
	Mermill	5	Depressions	Yes	2,3
	Haskins		Lake plains,till plains	—	—
RsA: Roselms silty clay, 0 to 2 percent slopes	Roselms	95	Rises on lake plains	No	—
	Paulding	5	Drainageways	Yes	2,3
	loam surface layer		—	—	—
RsB: Roselms silty clay, 2 to 6 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Drainageways	Yes	2,3
	sloping to moderately steep areas		—	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
SbB2: St. Clair silty clay loam, 2 to 6 percent slopes, moderately eroded	St. Clair	100	Ground moraines,lake plains,end moraines	No	—
	Shinrock		Lake plains,disintegration moraines	—	—
	Lucas		Lake plains	—	—
	silt loam surface layer		—	—	—
SbC2: St. Clair silty clay loam, 6 to 12 percent slopes, moderately eroded	St. Clair	100	Ground moraines,lake plains,end moraines	No	—
	Shinrock		Lake plains,disintegration moraines	—	—
	Lucas		Lake plains	—	—
	severely eroded areas		—	—	—
SbD2: St. Clair silty clay loam, 12 to 25 percent slopes, moderately eroded	St. Clair	100	Ground moraines,lake plains,end moraines	No	—
	Shinrock		Lake plains,disintegration moraines	—	—
	Lucas		Lake plains	—	—
	severely eroded areas		—	—	—
ScD3: St. Clair clay, 12 to 18 percent slopes, severely eroded	St. Clair	90	Ground moraines,lake plains,end moraines	No	—
	Broughton	10	Lake plains	—	—
SdB: Seward loamy fine sand, 2 to 6 percent slopes	Seward	100	Beach ridges on lake plains,beach ridges on till plains,dunes on lake plains,dunes on till plains	No	—
	Ottokee		Beach ridges on lake plains,dunes on lake plains	—	—
	Rimer		Lake plains,till plains	—	—
	sloping or moderately steep areas		—	—	—
SdC: Seward loamy fine sand, 6 to 12 percent slopes	Seward	85	Beach ridges on till plains,beach ridges on lake plains,dunes on lake plains,dunes on till plains	No	—
	slopes of more than 12 percent	4	—	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rimer	4	Lake plains,till plains	—	—
	slopes of less than 6 percent	4	—	—	—
	Wauseon	3	Depressions on deltas,depressions on beach ridges,depressions on outwash plains	Yes	2,3
SfB2: Shinrock-Tuscola complex, 3 to 8 percent slopes, eroded	Shinrock	40-60	Terraces	No	—
	Tuscola	20-40	Lake plains,deltas	No	—
	Galen	4	Beach ridges on lake plains,beach ridges on moraines,dunes on lake plains,dunes on moraines	—	—
	Fulton	4	Lake plains	—	—
	Kibbie	4	Ground moraines,lake plains,deltas,outwash plains	—	—
	Seward	3	Beach ridges on lake plains,beach ridges on till plains,dunes on lake plains,dunes on till plains	—	—
SgB: Shinrock silt loam, 2 to 6 percent slopes	Shinrock	100	Terraces	No	—
	Rawson		Lake plains,till plains,outwash plains	—	—
	loam surface layer		—	—	—
	Haskins		Lake plains,till plains	—	—
	Del Rey		Till plains	—	—
SgC: Shinrock silt loam, 6 to 12 percent slopes	Shinrock	100	Terraces	No	—
	sandy and gravelly material in the substratum		—	—	—
	Rawson		Lake plains,till plains,outwash plains	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Lucas		Lake plains	—	—
	St. Clair		Ground moraines,lake plains,end moraines	—	—
Sh: Shoals loam, 0 to 2 percent slopes, frequently flooded	Shoals	80-100	Flood plains	No	—
	Sloan	0-9	Flood plains	Yes	2
	Eel	0-9	Flood plains	No	—
Sk: Shoals silt loam, frequently flooded	Shoals	85	Flood plains	No	—
	Sloan	8	Depressions on flood plains,drainageways on flood plains	Yes	2
	Eel	7	Flood-plain steps,flood plains	—	—
Sn: Sloan loam	Sloan	95	Flood plains	Yes	2
	Shoals	5	Flood plains	No	—
	Cohoctah		Flood plains	Yes	2
	silty clay loam surface layer		Flood plains	Yes	2
So: Sloan silty clay loam	Sloan	95	Flood plains	Yes	2
	Shoals	5	Flood plains	No	—
	Cohoctah		Flood plains	Yes	2
	loam surface layer		Flood plains	Yes	2
SpB: Spinks fine sand, 2 to 6 percent slopes	Spinks	100	Beach ridges,beach ridges,lake plains,moraines,dunes,outwash plains,dunes,dunes	No	—
	Ottokee		Beach ridges on lake plains,dunes on lake plains	—	—
	Oshtemo		Terraces	—	—
SpC: Spinks fine sand, 6 to 18 percent slopes	Spinks	100	Beach ridges,beach ridges,lake plains,moraines,dunes,outwash plains,dunes,dunes	No	—
	Oshtemo		Terraces	—	—
Tn: Toledo silty clay loam	Toledo	90	Lake plains	Yes	2,3
	Fulton	5	Lake plains	No	—
	Del Rey	5	Till plains	No	—
To: Toledo silty clay	Toledo	95	Flats	Yes	2,3
	Del Rey	3	Till plains	No	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Fulton	2	Lake plains	No	—
	silty clay loam surface layer		Flats	Yes	2,3
	Latty		Lake plains	Yes	2,3
	Lenawee		Lake plains	Yes	2,3
TrB: Tuscola fine sandy loam, 3 to 8 percent slopes	Tuscola	85	Lake plains,deltas	No	—
	Galen	5	Beach ridges on lake plains,beach ridges on moraines,dunes on lake plains,dunes on moraines	—	—
	Shinrock	5	Lake plains,disintegration moraines	—	—
	Kibbie	5	Ground moraines,lake plains,deltas,outwash plains	—	—
TtB: Tuscola very fine sandy loam, 2 to 6 percent slopes	Tuscola	90	Lake plains,deltas	No	—
	Ottokee	10	Beach ridges on lake plains,dunes on lake plains	—	—
TuB: Tuscola Variant fine sandy loam, 1 to 6 percent slopes	Tuscola Variant	100	Lake plains,deltas	No	—
	Rawson		Lake plains,till plains,outwash plains	—	—
	Haney		Outwash terraces,glacial drainage channels,outwash plains	—	—
	loam surface layer		—	—	—
	Kibbie		Ground moraines,lake plains,deltas,outwash plains	—	—
TuC: Tuscola Variant fine sandy loam, 6 to 12 percent slopes	Tuscola Variant	100	Lake plains,deltas	No	—
	moderately steep or steep areas		—	—	—
	Lucas		Lake plains	—	—
	Shinrock		Lake plains,disintegration moraines	—	—
	loam surface layer		—	—	—

Hydric Soil List - All Components--OH171-Williams County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Ud: Udorthents	Udorthents	100	—	No	—
	hard surfaced traffic lane		—	Unranked	—
	ponded water		—	Unranked	—
	borrow pits		—	Unranked	—
Ue: Udorthents, loamy	Udorthents	100	—	No	—
Uf: Udorthents, sandy	Udorthents	100	—	Unranked	—
Ur: Urban land	Urban land	100	—	Unranked	—
W: Water	Water	100	—	Unranked	—
Wa: Wabasha silty clay	Wabasha	95	Flood plains	Yes	2,4
	Sloan	5	Flood plains	Yes	2
	Shoals		Flood plains	No	—
	silty clay loam surface layer		Flood plains	Yes	2,4
Wc: Walkkill silt loam	Walkkill	100	Swamps	Yes	2,3,4
	Sloan		Flood plains	Yes	2
	Walkkill Variant		Swamps	Yes	2,3
	Pewamo		Depressions on moraines, depressions on till plains, drainageways on till plains, drainageways on moraines, flats on moraines, flats on till plains	Yes	2,3
	Edwards		Swamps	Yes	1,3
	Carlisle		Swamps	Yes	1,3,4
Wk: Walkkill Variant silty clay loam	Walkkill Variant	100	Swamps	Yes	2,3
	Sloan		Flood plains	Yes	2
	Pewamo		Depressions on moraines, drainageways on moraines, flats on moraines	Yes	2,3
	Carlisle		Swamps	Yes	1,3,4
	Walkkill		Swamps	Yes	2,3,4

Data Source Information

Soil Survey Area: Williams County, Ohio
 Survey Area Data: Version 11, Sep 19, 2014