

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—OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
AkA: Alvada loam, 0 to 1 percent slopes	Alvada	90	Depressions on deltas on lake plains, depressions on ground moraines, depressions on outwash plains, flats on lake plains, drainageways on lake plains, drainageways on ground moraines, drainage ways on outwash plains, depressions on lake plains, drainageways on deltas on lake plains	Yes	2
	Somewhat poorly drained soils	10	Rises on outwash plains, rises on ground moraines, rises on lake plains	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Silt loam surface layer		Depressions on deltas on lake plains, flats on lake plains, drainageways on deltas on lake plains, depressions on lake plains, depressions on outwash plains, depressions on ground moraines, drainage ways on outwash plains, drainageways on ground moraines, drainage ways on lake plains	Yes	2
	Loam till		Drainageways on outwash plains, drainageways on ground moraines, drainage ways on lake plains, drainageways on deltas on lake plains, depressions on outwash plains, depressions on ground moraines, depressions on deltas on lake plains, flats on lake plains, depressions on lake plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Clay loam surface layer		Depressions on outwash plains, depressions on ground moraines, depressions on deltas on lake plains, flats on lake plains, drainageways on ground moraines, drainage ways on lake plains, drainageways on deltas on lake plains, depressions on lake plains, drainageways on outwash plains	Yes	2
	Till at 20 to 40 inches		Depressions on deltas on lake plains, flats on lake plains, depressions on lake plains, depressions on outwash plains, depressions on ground moraines, drainage ways on outwash plains, drainageways on ground moraines, drainage ways on lake plains, drainageways on deltas on lake plains	Yes	2

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Areas underlain with lacustrine silts		Drainageways on ground moraines, drainageways on lake plains, drainageways on deltas on lake plains, depressions on deltas on lake plains, flats on lake plains, drainageways on outwash plains, depressions on lake plains, depressions on outwash plains, depressions on ground moraines	Yes	2
	Surface layer less than 10 inches thick		Drainageways on ground moraines, drainageways on lake plains, drainageways on deltas on lake plains, depressions on ground moraines, depressions on deltas on lake plains, flats on lake plains, drainageways on outwash plains, depressions on lake plains, depressions on outwash plains	Yes	2
AmA: Alvada silty clay loam, 0 to 1 percent slopes	Alvada	90	Drainageways on lake plains, drainageways on ground moraines, drainageways on deltas on lake plains, depressions on lake plains, flats on lake plains, depressions on ground moraines, depressions on deltas on lake plains	Yes	2
	Somewhat poorly drained soils	10	Rises on lake plains, rises on outwash plains, rises on ground moraines	No	—

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	Loam till		Drainageways on lake plains, drainageways on deltas on lake plains, depressions on lake plains, depressions on deltas on lake plains, flats on lake plains, drainageways on ground moraines, depressions on ground moraines	Yes	2
	Till at 20 to 40 inches		Drainageways on ground moraines, drainageways on lake plains, drainageways on deltas on lake plains, depressions on ground moraines, depressions on lake plains, depressions on deltas on lake plains, flats on lake plains	Yes	2
	Surface layer less than 10 inches thick		Depressions on lake plains, drainageways on deltas on lake plains, depressions on deltas on lake plains, flats on lake plains, depressions on ground moraines, drainageways on ground moraines, drainageways on lake plains	Yes	2
ArB: Arkport loamy fine sand, 2 to 6 percent slopes	Arkport	100	Beach ridges on lake plains, beach ridges on ground moraines, dunes on lake plains, dunes on ground moraines	No	—
	Ottokee		Beach ridges on lake plains, dunes on lake plains	—	—
	slopes of more than 6 percent		—	—	—

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AsA: Aurand loam, 0 to 2 percent slopes	Aurand	90	Flats on beach ridges on lake plains,rises on beach ridges on lake plains	No	—
	Mermill	6	Drainageways on beach ridges on lake plains,depressions on beach ridges on lake plains	Yes	2
	Alvada	3	Depressions on beach ridges on lake plains,drainageways on beach ridges on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	1	—	No	—
	Till at 40 to 60 inches		—	—	—
	More clay and less sand in the subsoil		—	—	—
	Moderately well drained soils		—	—	—
	Lighter colored surface layer		—	—	—
	Dark colored surface layer less than 10 inches thick		—	—	—
AuA: Aurand loam, 0 to 3 percent slopes	Aurand	85	Rises on ground moraines,beach ridges,flats on lake plains	No	—
	Alvada	8	Depressions on lake plains,depressions on ground moraines	Yes	2
	Loamy very poorly drained soils with till at 20 to 40 inches	5	Depressions on lake plains,depressions on ground moraines	Yes	2
	Hoytville soils at the margins of map units	1	Depressions on lake plains,drainageways on lake plains	Yes	2
	Shawtown soils in more sloping areas	1	Beach ridges on lake plains	—	—
	Sandy loam surface layer		—	—	—
	Till at 40 to 60 inches		—	—	—
	Moderately well drained soils		—	—	—

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	Surface layer less than 10 inches thick		—	—	—
	Silt loam surface layer		—	—	—
BIB: Belmore sandy loam, 2 to 6 percent slopes	Belmore	100	Outwash terraces,beach ridges,outwash plains	No	—
	loam surface layer		—	—	—
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	—
BmA: Belmore loam, 0 to 2 percent slopes	Belmore	100	Beach ridges,outwash plains,outwash terraces	No	—
	silt loam surface layer		—	—	—
	sandy loam surface layer		—	—	—
	slopes of 2 to 6 percent		—	—	—
BmB: Belmore loam, 2 to 6 percent slopes	Belmore	100	Outwash terraces,beach ridges,outwash plains	No	—
	sandy loam surface layer		—	—	—
BmC: Belmore loam, 6 to 12 percent slopes	Belmore	100	Beach ridges,outwash plains,outwash terraces	No	—
	sandy loam surface layer		—	—	—
	slopes of more than 12 percent		—	—	—
	gravelly loam surface layer		—	—	—

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BnA: Blount loam, 0 to 2 percent slopes	Blount	80-95	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
	Haskins	0-9	End moraines on till plains,ground moraines on till plains	No	—
	Glynwood	0-9	Ground moraines on till plains,end moraines on till plains	No	—
BrB: Blount-Del Rey silt loams, 1 to 6 percent slopes	Blount	35	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	No	—
	Del Rey	35	Till plains	No	—
	Nappanee	10	Lake plains	—	—
	Kibbie	10	Lake plains,deltas,outwash plains,ground moraines	—	—
	Toledo	5	Drainageways,depressions	Yes	2,3
	poorly drained soils	5	Depressions,drainageways	Yes	2,3
Bs: Bono silty clay loam	Bono	100	Depressions	Yes	2,3
	Toledo		Lake plains	Yes	2,3
	till at 4 to 6 feet		Depressions	Yes	2,3
BtB: Broughton silty clay loam, 2 to 6 percent slopes	Broughton	100	Lake plains	No	—
	silt loam surface layer		—	—	—
	Roselms		Lake plains,lake plains	—	—
	moderately eroded areas		—	—	—
BuB2: Broughton clay, 2 to 6 percent slopes, moderately eroded	Broughton	100	Lake plains	No	—
	silty clay loam surface layer		—	—	—

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	silt loam surface layer		—	—	—
	slopes of slopes of 6 to 12 percent		—	—	—
BuC2: Broughton clay, 6 to 12 percent slopes, moderately eroded	Broughton	100	Lake plains	No	—
	severely eroded areas		—	—	—
BuC3: Broughton clay, 6 to 12 percent slopes, severely eroded	Broughton	85	Lake plains	No	—
	less eroded areas with silt loam or silty clay loam surface	8	—	—	—
	clay substratum exposed at the surface	7	—	—	—
BuD2: Broughton clay, 12 to 18 percent slopes, moderately eroded	Broughton	100	Lake plains	No	—
	severely eroded areas		—	—	—
	steeper areas		—	—	—
BuE3: Broughton clay, 18 to 25 percent slopes, severely eroded	Broughton	100	Lake plains	No	—
	all of original surface layer removed		—	—	—
BvA: Blount-Jenera complex, 0 to 3 percent slopes	Blount	55	Rises on ground moraines	No	—
	Jenera	40	Rises on ground moraines	No	—
	Pewamo	5	Drainageways on ground moraines, depressions on ground moraines	Yes	2
	Loamy somewhat poorly drained soils		—	—	—
	Blount soils with silt loam surface layer		Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	—	—
BwB2: Broughton silty clay loam, 2 to 6 percent slopes, eroded	Broughton	93	Lake plains	No	—
	Paulding	7	Drainageways	Yes	2,3
BwC2: Broughton silty clay loam, 6 to 12 percent slopes, eroded	Broughton	95	Lake plains	No	—
	Wabasha	5	Drainageways	Yes	2,4

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BwD2: Broughton silty clay loam, 12 to 18 percent slopes, eroded	Broughton	95	Lake plains	No	—
	Wabasha	5	Drainageways	Yes	2,4
Cp: Clay pits	Clay pits	95	—	Unranked	—
	poorly drained soils	5	Depressions, drainage ways	Yes	2,3
CsA: Colwood loam, 0 to 1 percent slopes	Colwood	80	Depressions on lake plains, flats on lake plains, drainageways on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	10	Flood plains	Yes	2
	Darroch	10	Lake plains, outwash plains, till plains	No	—
	Dark colored surface layer less than 10 inches thick		Flats on lake plains, drainageways on lake plains, depressions on lake plains	Yes	2
	Till at 60 to 80 inches		Depressions on lake plains, flats on lake plains, drainageways on lake plains	Yes	2
	More rock fragments in the subsoil and substratum		Drainageways on lake plains, depressions on lake plains, flats on lake plains	Yes	2
	More clay and less sand in the subsoil		Drainageways on lake plains, depressions on lake plains, flats on lake plains	Yes	2
Cw: Colwood loam	Colwood	100	Lake plains	Yes	2,3
	fine sandy loam surface layer		Lake plains	Yes	2,3
	Millgrove		Lake plains	Yes	2,3
	Lenawee		Lake plains	Yes	2,3
Cx: Cut and fill land	Cut and fill land	95	—	No	—
	poorly drained soils	5	Drainageways, depressions	Yes	2,3

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CyA: Cygnet loam, 0 to 2 percent slopes	Cygnet	90	Rises on longshore bars (relict) on lake plains,rises on beach ridges on lake plains	No	—
	Alvada	10	Drainageways on longshore bars (relict) on lake plains,drainageways on beach ridges on lake plains,depressions on longshore bars (relict) on lake plains,depressions on beach ridges on lake plains	Yes	2
	More sand and less clay in the subsoil		—	—	—
	Well drained soils		—	—	—
	More rock fragments in the upper part of the substratum		—	—	—
	Till below 60 inches		—	—	—
	Somewhat poorly drained soils with till at 20 to 40 inches		—	—	—
	Fine sandy loam surface layer		—	—	—
CzA: Cygnet loam, 0 to 3 percent slopes	Cygnet	90	Glacial drainage channels,rises on deltas on lake plains,rises on ground moraines,beach ridges on lake plains	No	—
	Alvada soils in depressions and at the margins of map units	10	Depressions on lake plains	Yes	2
	Moderately well drained soils with till at 60 to 70 inches		—	—	—
	Somewhat poorly drained soils		—	—	—
	Moderately well drained soils with till at 20 to 40 inches		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
DbA: Darroch loam, 0 to 2 percent slopes	Darroch	90	Rises on lake plains, flats on lake plains	No	—
	Rensselaer	10	Depressions on lake plains, drainageways on lake plains	Yes	2
	Till at 40 to 80 inches		—	—	—
	Moderately well drained soils		—	—	—
	More silt and less sand in the subsoil		—	—	—
	Surface layer less than 10 inches thick		—	—	—
Df: Defiance silty clay loam	Defiance	95	Flood plains	No	—
	Wabasha	5	Depressions	Yes	2,4
	silt loam surface layer		—	—	—
DgA: Del Rey loam, 0 to 2 percent slopes	Del Rey	90	Till plains	No	—
	Lenawee	5	Drainageways, depressions	Yes	2,3
	Toledo	5	Drainageways, depressions	Yes	2,3
	Kibbie		Outwash plains, ground moraines, lake plains, deltas	—	—
	slopes of 2 to 6 percent		—	—	—
	Haskins		Till plains, lake plains	—	—
DhA: Del Rey-Blount complex, 0 to 3 percent slopes	Del Rey	55	Flats on disintegration moraines, rises on disintegration moraines	No	—
	Blount	40	Flats on disintegration moraines, rises on disintegration moraines	No	—
	Pewamo	5	Drainageways on disintegration moraines, depressions on disintegration moraines	Yes	2
	Moderately well drained soils		—	—	—
	Loam surface layer		—	—	—
	More clay in the substratum		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	More sand and less clay in the subsoil		—	—	—
DIA: Del Rey silt loam, 0 to 2 percent slopes	Del Rey	90	Till plains	No	—
	Toledo	5	Depressions, drainage ways	Yes	2,3
	Lenawee	5	Drainageways, depressions	Yes	2,3
	Fulton		Lake plains	—	—
DIB: Del Rey silt loam, 2 to 6 percent slopes	Del Rey	90	Till plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	Toledo	5	Depressions, drainage ways	Yes	2,3
	Shinrock		Lake plains, disintegration moraines	—	—
	slopes of less than 2 percent		—	—	—
	Kibbie		Outwash plains, ground moraines, lake plains, deltas	—	—
DmB: Del Rey-Fulton silt loams, 1 to 6 percent slopes	Del Rey	40	Till plains	No	—
	Fulton	40	Lake plains	No	—
	Haskins	4	Till plains, lake plains	—	—
	Kibbie	4	Lake plains, deltas, outwash plains, ground moraines	—	—
	Lucas	3	Lake plains	—	—
	Lenawee	3	Drainageways, depressions	Yes	2,3
	Shinrock	3	Lake plains, disintegration moraines	—	—
	Toledo	3	Drainageways, depressions	Yes	2,3
DnA: Digby loam, 0 to 2 percent slopes	Digby	90	Outwash terraces, outwash plains	No	—
	Mermill	5	Drainageways, depressions	Yes	2,3

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Millgrove	5	Depressions, drainage ways	Yes	2,3
	slightly coarser surface layer		—	—	—
	silt loam surface layer		—	—	—
DnB: Digby loam, 2 to 6 percent slopes	Digby	90	Outwash terraces, outwash plains	No	—
	Millgrove	5	Drainageways, depressions	Yes	2,3
	Mermill	5	Depressions, drainage ways	Yes	2,3
	sandier surface layer		—	—	—
	Haskins		Lake plains, till plains	—	—
	gravelly surface layer		—	—	—
DoA: Digby loam, moderately shallow variant, 0 to 2 percent slopes	Digby Variant	95	Outwash plains	No	—
	poorly drained soils	5	Depressions, drainage ways	Yes	2,3
FsA: Fulton silt loam, 0 to 2 percent slopes	Fulton	80	Rises on lake plains	No	—
	Toledo	10	Depressions on lake plains, drainageways on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	10	—	No	—
	More sand and less clay in the subsoil		—	—	—
	Silty clay loam surface layer		—	—	—
	Less clay in the substratum		—	—	—
	Poorly drained soils		Depressions on lake plains	Yes	2
FtA: Fulton loam, 0 to 2 percent slopes	Fulton	95	Lake plains	No	—
	poorly drained soils	5	Depressions, drainage ways	Yes	2,3
	siltier surface layer		—	—	—
	gently sloping areas		—	—	—
	Del Rey		Till plains	—	—
	Haskins		Lake plains, till plains	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
FuA: Fulton silty clay loam, 0 to 2 percent slopes	Fulton	95	Lake plains	No	—
	Toledo	5	Depressions, drainage ways	Yes	2,3
	gently sloping areas		—	—	—
FuB: Fulton silty clay loam, 2 to 6 percent slopes	Fulton	90	Lake plains	No	—
	Toledo	5	Depressions, drainage ways	Yes	2,3
	poorly drained soils	5	Drainageways, depressions	Yes	2,3
	silt loam surface layer		—	—	—
	moderately eroded areas		—	—	—
FvA: Fulton silty clay loam, gravelly substratum, 0 to 2 percent slopes	Fulton	90	Lake plains	No	—
	Sloan	5	Drainageways, depressions	Yes	2,3
	poorly drained soils	5	Drainageways, oxbows, depressions	Yes	2,3
	gravelly substratum at 35 to 40 inches		—	—	—
	Digby		Outwash plains, outwash terraces	—	—
	Shoals		Flood plains	—	—
FwA: Fulton silty clay loam, loamy substratum, 0 to 2 percent slopes	Fulton	95	Lake plains	No	—
	Toledo	5	Drainageways, depressions	Yes	2
FxA: Fulton silt loam, till substratum, 0 to 2 percent slopes	Fulton, till substratum	95	Rises on disintegration moraines	No	—
	Pewamo	5	Depressions on disintegration moraines, drainage ways on disintegration moraines	Yes	2
	Till at more than 80 inches		—	—	—
	Less clay in the substratum		—	—	—

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	Poorly drained soils		Depressions on disintegration moraines	Yes	2
	Moderately well drained soils		—	—	—
	Till at less than 60 inches		—	—	—
	Silty clay loam surface layer		—	—	—
GaB: Gallman loam, 2 to 6 percent slopes	Gallman	90-100	End moraines, knolls on ground moraines, knolls on outwash plains, knolls on glacial drainage channels	No	—
	Somewhat poorly drained soils at the base of slopes and in s	0-10	—	No	—
	Moderately well drained soils		—	—	—
	Thinner subsoil		—	—	—
	Silt loam surface layer		—	—	—
	Sandy loam or fine sandy loam surface layer		—	—	—
	Till at 60 to 80 inches		—	—	—
	Less clay and more sand in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
	Less rock fragments in the subsoil		—	—	—
	Slopes of 0 to 2 percent		—	—	—
	Seasonal high water table at 4 to 6 feet		—	—	—
GdA: Glynwood loam, 0 to 2 percent slopes	Glynwood	100	Rises on ground moraines	No	—
	Silt loam surface layer		—	—	—
	Somewhat poorly drained soils with more sand and less clay i		—	—	—
	More sand and less clay in the subsoil and substratum		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Thicker subsoil		—	—	—
	Somewhat poorly drained soils		—	—	—
GfB: Glynwood-Blount-Houcktown complex, 1 to 4 percent slopes	Glynwood	40	Knolls on disintegration moraines	No	—
	Blount	35	Rises on disintegration moraines	No	—
	Houcktown	15	Rises on disintegration moraines, knolls on disintegration moraines	No	—
	Pewamo	7	Depressions on disintegration moraines, drainage ways on disintegration moraines	Yes	2
	Sandy, moderately well drained soils	3	—	No	—
	Fine sandy loam surface layer		—	—	—
	Till at 40 to 80 inches		—	—	—
	Silt loam surface layer		—	—	—
Gn: Genesee silt loam	Genesee	95	Flood plains	No	—
	poorly drained soils	5	Depressions, drainage ways, oxbows	Yes	2,3
	moderately well drained soils		—	—	—
	darker surface layer		—	—	—
Gp: Gravel pits	Gravel pits	95	—	Unranked	—
	poorly drained soils	5	Drainageways, depressions	Yes	2,3
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
HaB: Haney sandy loam, 2 to 6 percent slopes	Haney	100	Glacial drainage channels, outwash terraces, outwash plains	No	—
	steeper areas		—	—	—
	moderately eroded areas		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
HcA: Hoytville silty clay loam, 0 to 1 percent slopes	Hoytville	85-98	Drainageways, depressions, flats	Yes	2
	Nappanee	2-15	Rises on lake plains	No	—
HdA: Haney loam, 0 to 2 percent slopes	Haney	100	Outwash plains, glacial drainage channels, outwash terraces	No	—
	gently sloping areas		—	—	—
	silt loam surface layer		—	—	—
HdB: Haney loam, 2 to 6 percent slopes	sandy loam surface layer		—	—	—
	Haney	100	Glacial drainage channels, outwash terraces, outwash plains	No	—
	nearly level areas		—	—	—
HkA: Haskins fine sandy loam, 0 to 2 percent slopes	silt loam surface layer		—	—	—
	moderately eroded areas		—	—	—
	Haskins	95	Till plains, lake plains	No	—
	Hoytville	5	Drainageways, depressions	Yes	2,3
HkB: Haskins fine sandy loam, 2 to 6 percent slopes	slopes of 2 to 6 percent		—	—	—
	Nappanee loam		Lake plains	—	—
	sandy loam surface layer		—	—	—
	Haskins	95	Lake plains, till plains	No	—
HnA: Haskins loam, 0 to 2 percent slopes	Sloan	5	Depressions, oxbows, drainageways	Yes	2,3
	Genesee		Flood plains	—	—
	Del Rey loam		Till plains	—	—
	Nappanee loam		Lake plains	—	—
HnB: Haskins loam, 2 to 6 percent slopes	Blount loam		Flats on end moraines, rises on ground moraines, rises on end moraines, flats on ground moraines	—	—
	slopes of 0 to 2 percent		—	—	—
HnA: Haskins loam, 0 to 2 percent slopes	Haskins	90	Lake plains, till plains	No	—
	Hoytville	5	Depressions, drainage ways	Yes	2,3

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Merrill	5	Drainageways,depressions	Yes	2,3
	slopes of 2 to 6 percent		—	—	—
	silt loam surface layer		—	—	—
	Nappanee loam		Lake plains	—	—
	Digby loam		Outwash plains,outwash terraces	—	—
HnB: Haskins loam, 2 to 6 percent slopes	Haskins	85	Rises on stream terraces,rises on beach ridges	No	—
	Hoytville	5	Drainageways,depressions	Yes	2,3
	Sloan	5	Flood plains	Yes	2
	Pewamo	5	Drainageways,depressions	Yes	2,3
	silt loam surface layer		—	—	—
	Nappanee loam		Lake plains	—	—
	Digby loam		Outwash terraces,outwash plains	—	—
	nearly level areas		—	—	—
	fine sandy loam surface layer		—	—	—
HoA: Hoytville clay loam, 0 to 1 percent slopes	Hoytville	85-98	Drainageways,depressions,flats	Yes	2
	Nappanee	2-15	Rises on lake plains	No	—
	Houcktown	0-2	Rises on lake plains,beach ridges on lake plains,flats on lake plains	No	—
HtA: Hoytville silty clay, 0 to 1 percent slopes	Hoytville	85-98	Depressions,flats,drainageways	Yes	2
	Nappanee	2-15	Rises on lake plains	No	—
HwB: Houcktown sandy loam, 2 to 4 percent slopes	Houcktown	95	Knolls on ground moraines,knolls on end moraines,knolls on lake plains	No	—
	Alvada	5	Depressions on lake plains,depressions on ground moraines	Yes	2
	Deeper to carbonates		—	—	—
	More clay and less sand in the subsoil		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Somewhat poorly drained soils with a darker colored surface		—	—	—
	Slopes of 4 to 6 percent		—	—	—
	Seasonal high water table at 2 to 3.5 feet		—	—	—
	Less clay in the substratum		—	—	—
	Loam or silt loam surface layer		—	—	—
HxA: Houcktown loam, 0 to 2 percent slopes	Houcktown	95-95	Rises on lake plains,rises on end moraines,rises on ground moraines,rises on deltas on lake plains	No	—
	Pewamo	4-5	Depressions on end moraines,depressions on ground moraines	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	0-1	—	No	—
	Less clay in the substratum		—	—	—
	Clay loam surface layer		—	—	—
	Somewhat poorly drained soils		—	—	—
	More clay and less sand in the subsoil		—	—	—
	Till at 40 to 60 inches		—	—	—
	Seasonal high water table at 2 to 3.5 feet		—	—	—
	Silt loam surface layer		—	—	—
	Darker colored surface layer		—	—	—
	Fine sandy loam or sandy loam surface layer		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
HxB: Houcktown loam, 2 to 6 percent slopes	Houcktown	90-100	Knolls on deltas on ground moraines, knolls on end moraines, knolls on lake plains, knolls on ground moraines	No	—
	Pewamo	0-6	Drainageways on end moraines, drainage ways on ground moraines, drainage ways on lake plains, depressions on end moraines, depressions on ground moraines, depressions on lake plains	Yes	2
	Mermill	0-3	Depressions on lake plains, drainageways on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	0-1	—	No	—
	Fine sandy loam or sandy loam surface layer		—	—	—
	Till at 40 to 60 inches		—	—	—
	Somewhat poorly drained soils with a darker colored surface		—	—	—
	Silt loam surface layer		—	—	—
	More clay and less sand in the subsoil		—	—	—
	Somewhat poorly drained soils		—	—	—
	Seasonal high water table at 2 to 3.5 feet		—	—	—
	Clay loam surface layer		—	—	—
	Less clay in the substratum		—	—	—
HyB: Houcktown-Glynwood-Jenera complex, 1 to 4 percent slopes	Houcktown	40	Knolls on disintegration moraines	No	—
	Glynwood	30	Disintegration moraines	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Jenera	25	Disintegration moraines	No	—
	Pewamo	5	Drainageways on disintegration moraines, depressions on disintegration moraines	Yes	2
	Silt loam surface layer		—	—	—
	Loamy fine sand surface layer		—	—	—
	Somewhat poorly drained soils		—	—	—
	Till at 60 to 80 inches		—	—	—
	Sandy, moderately well drained soils		—	—	—
JeA: Jenera fine sandy loam, 0 to 2 percent slopes	Jenera	85	Ground moraines, rises on lake plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	10	—	No	—
	Very poorly drained soils	5	Depressions on lake plains, depressions on ground moraines	Yes	2
	Somewhat poorly drained soils		—	—	—
	Till at 60 to 80 inches		—	—	—
	More sand and less clay in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
	Loam or loamy fine sand surface layer		—	—	—
KbA: Kibbie loam, 0 to 2 percent slopes	Kibbie	85	Ground moraines, lake plains, deltas, outwash plains	No	—
	Lenawee	5	Depressions, drainage ways	Yes	2,3
	Colwood	5	Depressions, drainage ways	Yes	2,3
	Toledo	5	Depressions, drainage ways	Yes	2,3
	slopes of 2 to 6 percent		—	—	—
	Haskins		Lake plains, till plains	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	fine sandy loam surface layer		—	—	—
	Digby		Outwash plains, outwash terraces	—	—
	Del Rey		Till plains	—	—
	Tuscola		Lake plains, deltas	—	—
KsA: Kibbie silt loam, 0 to 2 percent slopes	Kibbie	95	Ground moraines, outwash plains, deltas, lake plains	No	—
	Lenawee	5	Drainageways, depressions	Yes	2,3
	Del Rey silt loam		Till plains	—	—
	slopes of 2 to 6 percent		—	—	—
KtB: Kibbie-Del Rey silt loams, 1 to 6 percent slopes	Del Rey	40	Till plains	No	—
	Kibbie	40	Ground moraines, lake plains, deltas, outwash plains	No	—
	Tuscola	4	Lake plains, deltas	—	—
	Fulton	4	Lake plains	—	—
	Haskins	4	Lake plains, till plains	—	—
	Shinrock	4	Disintegration moraines, lake plains	—	—
	Toledo	4	Drainageways, depressions	Yes	2,3
Kw: Knoxdale silt loam, occasionally flooded	Knoxdale	90	Rises on flood plains, natural levees on flood plains	No	—
	Shoals	5	Flood-plain steps on flood plains	No	—
	Saranac	5	Backswamps on flood plains	Yes	2
	Darker colored surface layer		—	—	—
	More than 15 percent rock fragments in the lower part of the		—	—	—
	Moderately well drained soils		—	—	—
	More sand in the subsoil		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
La: Latty silty clay loam	Latty	100	Flats	Yes	2,3
	clay surface layer		Lake plains	Yes	2,3
	Paulding		Lake plains	Yes	2,3
Lb: Latty silty clay	Latty	95	Depressions,flats,drainageways	Yes	2
	Fulton	3	Lake plains	No	—
	Nappanee	2	Lake plains	No	—
Lc: Latty clay	Latty	95	Flats	Yes	2,3
	Nappanee	5	Lake plains	No	—
	Paulding		Lake plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
Ln: Lenawee silt loam	Lenawee	100	Flats	Yes	2,3
	silty clay loam surface layer		Lake plains	Yes	2,3
	Toledo		Lake plains	Yes	2,3
	Colwood		Deltas,outwash plains,moraines	Yes	2,3
Ls: Lenawee silty clay loam	Lenawee	95	Flats	Yes	2,3
	Del Rey	5	Till plains	No	—
	Toledo		Lake plains	Yes	2,3
	Colwood		Lake plains	Yes	2,3
LuB2: Lucas silty clay loam, loamy substratum, 2 to 6 percent slopes, eroded	Lucas	95	Lake plains	No	—
	Toledo	5	Drainageways	Yes	2
LwB: Lucas silty clay loam, 2 to 6 percent slopes	Lucas	100	Lake plains	No	—
	Shinrock		Disintegration moraines,lake plains	—	—
	loam surface layer		—	—	—
	moderately eroded areas		—	—	—
	somewhat poorly drained soils		—	—	—
LwB2: Lucas silty clay loam, 2 to 6 percent slopes, eroded	Lucas	95	Disintegration moraines,knolls on lake plains	No	—
	Poorly drained soils	5	Drainageways on disintegration moraines,drainageways on lake plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Somewhat poorly drained soils		—	—	—
	Till at 60 to 80 inches		—	—	—
	More sand and less clay in the subsoil		—	—	—
	Uneroded areas with silt loam surface layer		—	—	—
LwC2: Lucas silty clay loam, 6 to 12 percent slopes, moderately eroded	Lucas	100	Lake plains	No	—
	severely eroded areas		—	—	—
	steeper areas		—	—	—
LwD2: Lucas silty clay loam, 12 to 18 percent slopes, moderately eroded	Lucas	100	Lake plains	No	—
	steeper areas		—	—	—
	slightly eroded areas		—	—	—
	severely eroded areas		—	—	—
Mb: Medway silt loam, occasionally flooded	Medway	100	Flood plains	No	—
Md: Mermill loam	Mermill	95	Lake plains	Yes	2,3
	Haskins	5	Lake plains,till plains	No	—
	Hoytville		Lake plains	Yes	2,3
	silt loam surface layer		Lake plains	Yes	2,3
	Paulding		Lake plains	Yes	2,3
	Toledo		Lake plains	Yes	2,3
Me: Mermill silty clay loam	Mermill	95	Drainageways on lake plains,depressions on lake plains,flats on lake plains	Yes	2,3
	Haskins	5	Lake plains,till plains	No	—
	Hoytville		Lake plains	Yes	2,3
	clay loam surface layer		Lake plains	Yes	2,3
	Paulding		Lake plains	Yes	2,3
	Toledo		Lake plains	Yes	2,3
Mf: Millgrove loam	Millgrove	95	Flats	Yes	2,3
	Digby	5	Outwash plains,outwash terraces	No	—
	fine sandy loam surface layer		Lake plains	Yes	2,3
	silt loam surface layer		Lake plains	Yes	2,3

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Mg: Millgrove silty clay loam	Millgrove	95	Flats	Yes	2,3
	Digby	5	Outwash plains,outwash terraces	No	—
	clay loam surface layer		Lake plains	Yes	2,3
	Hoytville		Lake plains	Yes	2,3
Mh: Millgrove loam, till substratum	Millgrove	85	Flats,drainageways,d epressions	Yes	2
	somewhat poorly drained soils	15	—	No	—
MvB: Mortimer silt loam, 2 to 6 percent slopes	Mortimer	95	Knolls on end moraines	No	—
	Poorly drained soils	5	Drainageways on end moraines,depressio ns on end moraines	Yes	2
	More sand and less clay in the subsoil		—	—	—
	Somewhat poorly drained soils		—	—	—
	Slopes of 0 to 2 percent		—	—	—
	Eroded areas with silty clay loam surface layer		—	—	—
	Soils formed in glaciolacustrine sediments		—	—	—
NaA: Nappanee loam, 0 to 2 percent slopes	Nappanee	90	Lake plains	No	—
	Hoytville	5	Depressions,drainage ways	Yes	2,3
	Latty	5	Drainageways,depres sions	Yes	2,3
	Haskins		Lake plains,till plains	—	—
	steeper areas		—	—	—
NaB: Nappanee loam, 2 to 6 percent slopes	Nappanee	90	Lake plains	No	—
	Latty	5	Drainageways,depres sions	Yes	2,3
	Hoytville	5	Drainageways,depres sions	Yes	2,3
	St. Clair		Ground moraines,lake plains,end moraines	—	—
	Haskins		Till plains,lake plains	—	—
	slopes of 0 to 2 percent		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
NpA: Nappanee silt loam, 0 to 2 percent slopes	Nappanee	90	Lake plains	No	—
	Latty	5	Drainageways,depressions	Yes	2,3
	Hoytville	5	Drainageways,depressions	Yes	2,3
	finer textured surface layer		—	—	—
	steeper areas		—	—	—
NpB: Nappanee silt loam, 2 to 6 percent slopes	Nappanee	90	Lake plains	No	—
	Latty	5	Drainageways,depressions	Yes	2,3
	Hoytville	5	Depressions,drainageways	Yes	2,3
	moderately eroded areas		—	—	—
	St. Clair		Ground moraines,lake plains,end moraines	—	—
NsA: Nappanee clay loam, 0 to 2 percent slopes	Nappanee	95	Flats on lake plains,rises on lake plains	No	—
	Hoytville	5	Drainageways on lake plains,depressions on lake plains	Yes	2
	Less clay in the subsoil and substratum		—	—	—
	Poorly drained soils		Lake plains	Yes	2
	Silt loam or silty clay loam surface layer		—	—	—
NtA: Nappanee silty clay loam, 0 to 2 percent slopes	Nappanee	90	Lake plains	No	—
	Hoytville	5	Depressions,drainageways	Yes	2,3
	Latty	5	Drainageways,depressions	Yes	2,3
	slopes of 2 to 6 percent		—	—	—
	moderately eroded areas		—	—	—
	Roselms		Lake plains,lake plains	—	—
OgB: Oshtemo fine sandy loam, 2 to 6 percent slopes	Oshtemo	93	Beach ridges on lake plains,knolls on outwash plains	No	—
	Somewhat poorly drained soils	3	—	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rarely flooded areas adjacent to the Blanchard River and its	2	—	No	—
	Vaughnsville	2	Beach ridges on lake plains	No	—
	Darker colored surface layer		—	—	—
	Loamy sand or loamy fine sand surface layer and upper subsoil		—	—	—
	Thinner subsoil		—	—	—
	Till at 60 to 80 inches		—	—	—
	Moderately well drained soils		—	—	—
	More clay and less sand in the subsoil		—	—	—
OhB: Oshtemo sandy loam, till substratum, 2 to 6 percent slopes	Oshtemo, till substratum	92	Beach ridges on lake plains, knolls on outwash plains	No	—
	Aurand	5	Beach ridges, ground moraines, lake plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	3	—	No	—
	Loamy sand or loamy fine sand surface layer		—	—	—
	Till at 40 to 60 inches		—	—	—
	Moderately well drained soils		—	—	—
	Slopes of 0 to 2 percent		—	—	—
	More clay and less sand in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
OkB: Ottokee loamy fine sand, 1 to 6 percent slopes	Ottokee	100	Beach ridges on lake plains, dunes on lake plains	No	—
	Tuscola		Lake plains, deltas	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Seward		Dunes on lake plains,dunes on till plains,beach ridges on lake plains,beach ridges on till plains	—	—
	more sloping areas		—	—	—
	Tedrow		Beach ridges on lake plains,beach ridges on outwash plains,dunes on lake plains,dunes on outwash plains	—	—
	Arkport		Dunes on lake plains,dunes on ground moraines,beach ridges on lake plains,beach ridges on ground moraines	—	—
OtB: Ottokee-Tuscola complex, 2 to 6 percent slopes	Tuscola	40	Lake plains,deltas	No	—
	Ottokee	40	Beach ridges on lake plains,dunes on lake plains	No	—
	Tedrow	10	Dunes on lake plains,dunes on outwash plains,beach ridges on lake plains,beach ridges on outwash plains	—	—
	Kibbie	10	Ground moraines,outwash plains,lake plains,deltas	—	—
	sloopes of 6 to 12 percent		—	—	—
Pa: Paulding silty clay loam	Paulding	90	Flats	Yes	2,3
	Haskins	5	Till plains,lake plains	No	—
	Roselms	5	Lake plains,lake plains	No	—
	silty clay surface layer		Lake plains	Yes	2,3
Pd: 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--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
PfA: Patton silty clay loam, 0 to 1 percent slopes	Patton	85	Flats on lake plains, depressions on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	10	Flood plains	Yes	2
	Del Rey	5	Till plains	No	—
	Surface layer less than 10 inches thick		Depressions on lake plains, flats on lake plains	Yes	2
	More clay in the subsoil		Depressions on lake plains, flats on lake plains	Yes	2
	Till at 60 to 80 inches		Flats on lake plains, depressions on lake plains	Yes	2
Pm: Pewamo silty clay loam	Pewamo	95	Flats	Yes	2,3
	Blount	5	Rises on end moraines, flats on ground moraines, flats on end moraines, rises on ground moraines	No	—
	Hoytville		Lake plains	Yes	2,3
	slopes of more than 2 percent		Till plains	Yes	2,3
PnA: Pewamo silty clay loam, 0 to 1 percent slopes	Pewamo	94-95	Drainageways on lake plains, drainageways on end moraines, drainageways on disintegration moraines, drainageways on ground moraines, flats on lake plains, depressions on disintegration moraines, depressions on lake plains, depressions on end moraines, depressions on ground moraines	Yes	2
	Blount	0-5	Ground moraines, end moraines	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rarely flooded areas adjacent to the Blanchard River and its	0-1	Flood plains	Yes	2
	Elliott	0-2	Till plains	No	—
	Less clay in the substratum		Drainageways on lake plains, flats on lake plains, drainageways on disintegration moraines, drainageways on ground moraines, drainageways on end moraines, depressions on disintegration moraines, depressions on ground moraines, depressions on lake plains, depressions on end moraines	Yes	2
	Silt loam surface layer		Depressions on lake plains, depressions on end moraines, flats on lake plains, depressions on disintegration moraines, depressions on ground moraines, drainageways on disintegration moraines, drainageways on ground moraines, drainageways on end moraines, drainageways on lake plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	More silt and less clay in the subsoil		Drainageways on disintegration moraines, drainage ways on ground moraines, drainage ways on end moraines, depressions on lake plains, depressions on end moraines, drainage ways on lake plains, flats on lake plains, depressions on disintegration moraines, depressions on ground moraines	Yes	2
	Bedrock at 60 to 80 inches		Drainageways on ground moraines, drainage ways on end moraines, drainage ways on lake plains, depressions on ground moraines, depressions on lake plains, depressions on end moraines, flats on lake plains, drainageways on disintegration moraines, depressions on disintegration moraines	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Clay or clay loam surface layer		Depressions on ground moraines, depressions on lake plains, depressions on end moraines, flats on lake plains, drainageways on ground moraines, drainage ways on end moraines, drainage ways on lake plains, depressions on disintegration moraines, drainage ways on disintegration moraines	Yes	2
	Lighter colored surface layer		Flats on lake plains, drainageways on disintegration moraines, drainage ways on ground moraines, drainage ways on end moraines, drainage ways on lake plains, depressions on disintegration moraines, depressions on ground moraines, depressions on lake plains, depressions on end moraines	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Small closed depressions with 10 to 25 inches of silty overw		Depressions on disintegration moraines, depressions on ground moraines, depressions on lake plains, depressions on end moraines, flats on lake plains, drainageways on disintegration moraines, drainageways on ground moraines, drainageways on end moraines, drainageways on lake plains	Yes	2
	More clay in the lower part of the subsoil and in the substr		Drainageways on end moraines, drainageways on lake plains, depressions on disintegration moraines, depressions on ground moraines, depressions on lake plains, drainageways on disintegration moraines, drainageways on ground moraines, depressions on end moraines, flats on lake plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Undrained areas of Pewamo soils in wooded areas		Depressions on lake plains, depressions on end moraines, drainage ways on disintegration moraines, drainage ways on ground moraines, flats on lake plains, depressions on disintegration moraines, depressions on ground moraines, drainage ways on end moraines, drainage ways on lake plains	Yes	2
	Surface layer less than 10 inches thick		Drainageways on ground moraines, drainage ways on end moraines, depressions on lake plains, depressions on end moraines, drainage ways on lake plains, drainageways on disintegration moraines, flats on lake plains, depressions on disintegration moraines, depressions on ground moraines	Yes	2
Qu: Quarries	Quarries	100	—	Unranked	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RhA: Rensselaer loam, till substratum, 0 to 1 percent slopes	Rensselaer	90	Drainageways on ground moraines, drainage ways on lake plains, flats on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains, depressions on deltas on lake plains, depressions on glacial drainage channels, depressions on ground moraines, depressions on lake plains	Yes	2
	Somewhat poorly drained soils	10	Rises on ground moraines, rises on lake plains	No	—
	More silt and less sand in the subsoil		Depressions on ground moraines, depressions on lake plains, depressions on glacial drainage channels, flats on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains, depressions on deltas on lake plains, drainageways on ground moraines, drainage ways on lake plains	Yes	2
	Till at 40 to 60 inches		Drainageways on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains, depressions on lake plains, depressions on glacial drainage channels, flats on lake plains, drainageways on ground moraines, depressions on deltas on lake plains, depressions on ground moraines	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Gravelly strata in the substratum		Depressions on deltas on lake plains, depressions on ground moraines, depressions on lake plains, depressions on glacial drainage channels, flats on lake plains, drainageways on ground moraines, drainageways on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains	Yes	2
	Silt loam or sandy loam surface layer		Depressions on lake plains, depressions on glacial drainage channels, flats on lake plains, depressions on deltas on lake plains, depressions on ground moraines, drainageways on ground moraines, drainageways on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains	Yes	2
	Surface layer less than 10 inches thick		Drainageways on lake plains, drainageways on glacial drainage channels, drainageways on deltas on lake plains, depressions on glacial drainage channels, flats on lake plains, drainageways on ground moraines, depressions on deltas on lake plains, depressions on ground moraines, depressions on lake plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RkA: Rimer loamy sand, 0 to 2 percent slopes	Rimer	96	Till plains,lake plains	No	—
	Mermill	4	Drainageways,depressions	Yes	2
RmA: Rawson loam, 0 to 2 percent slopes	Rawson	100	Outwash plains,till plains,lake plains	No	—
	sandy loam surface layer		—	—	—
	silt loam surface layer		—	—	—
	gently sloping areas		—	—	—
	Haney		Glacial drainage channels,outwash terraces,outwash plains	—	—
	Haskins		Till plains,lake plains	—	—
RmB: Rawson loam, 2 to 6 percent slopes	Rawson	100	Till plains,outwash plains,lake plains	No	—
	level areas		—	—	—
	moderately eroded areas		—	—	—
	fine sandy loam surface layer		—	—	—
	Haney		Glacial drainage channels,outwash terraces,outwash plains	—	—
RmC2: Rawson loam, 6 to 12 percent slopes, moderately eroded	Rawson	100	Outwash plains,till plains,lake plains	No	—
	Haney		Outwash plains,glacial drainage channels,outwash terraces	—	—
	moderately steep areas		—	—	—
RnA: Rimer loamy fine sand, 0 to 2 percent slopes	Rimer	100	Till plains,lake plains	No	—
	moderately well drained soils		—	—	—
	Haskins		Till plains,lake plains	—	—
	Tedrow		Beach ridges on outwash plains,dunes on lake plains,dunes on outwash plains,beach ridges on lake plains	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RnB: Rimer loamy fine sand, 2 to 6 percent slopes	Rimer	100	Till plains,lake plains	No	—
	moderately well drained soils		—	—	—
	Haskins		Lake plains,till plains	—	—
	Tedrow		Dunes on outwash plains,beach ridges on lake plains,beach ridges on outwash plains,dunes on lake plains	—	—
RoA: Roselms silt loam, 0 to 2 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Drainageways,depressions	Yes	2,3
	Fulton		Lake plains	—	—
	slightly steeper areas		—	—	—
	loam surface layer		—	—	—
RoB: Roselms silt loam, 2 to 6 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Drainageways,depressions	Yes	2,3
	slightly less sloping areas		—	—	—
	loam surface layer		—	—	—
	Broughton		Lake plains	—	—
RsA: Roselms silty clay loam, 0 to 2 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Depressions,drainageways	Yes	2,3
	slightly steeper areas		—	—	—
	clay surface layer		—	—	—
	moderately well drained soils		—	—	—
	darker colored surface layer		—	—	—
RsB: Roselms silty clay loam, 2 to 6 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Drainageways,depressions	Yes	2,3
	clay surface layer		—	—	—
	moderately eroded areas		—	—	—
	moderately well drained soils		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
RtA: Roselms silty clay, 0 to 2 percent slopes	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Depressions,drainage ways	Yes	2,3
	slopes of 2 to 6 percent		—	—	—
RtB2: Roselms silty clay, 2 to 6 percent slopes, eroded	Roselms	95	Lake plains,lake plains	No	—
	Paulding	5	Drainageways	Yes	2,3
Rw: Rossburg silt loam, occasionally flooded	Rossburg	85	Natural levees on flood plains,flats on flood plains,rises on flood plains	No	—
	Sloan	10	Backswamps on flood plains	Yes	2
	Rarely flooded areas	5	—	No	—
	Loam surface layer		—	—	—
	Lighter colored surface layer		—	—	—
	Moderately well drained soils		—	—	—
	More silt and less sand in the surface layer		—	—	—
	Dark colored surface layer more than 24 inches thick		—	—	—
	More rock fragments in the substratum		—	—	—
SaB: St. Clair loam, 2 to 6 percent slopes	St. Clair	100	Lake plains,end moraines,ground moraines	No	—
	Rawson		Till plains,outwash plains,lake plains	—	—
	moderately eroded areas		—	—	—
	slightly steeper areas		—	—	—
SbC2: St. Clair silty clay loam, 6 to 12 percent slopes, eroded	St. Clair	97	Ground moraines,lake plains,end moraines	No	—
	Latty	3	Drainageways	Yes	2
	slopes of 12 to 18 percent		—	—	—
ScB: St. Clair silt loam, 2 to 6 percent slopes	St. Clair	100	Ground moraines,end moraines,lake plains	No	—
	slightly steeper areas		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Nappanee		Lake plains	—	—
	moderately eroded areas with silty clay loam surface layer		—	—	—
ScC2: St. Clair silt loam, 6 to 12 percent slopes, moderately eroded	St. Clair	100	Lake plains,end moraines,ground moraines	No	—
	slopes of 12 to 18 percent		—	—	—
	silty clay loam surface layer		—	—	—
	uneroded areas		—	—	—
	substratum at less than 20 inches		—	—	—
ScD2: St. Clair silt loam, 12 to 18 percent slopes, moderately eroded	St. Clair	100	Ground moraines,lake plains,end moraines	No	—
	substratum at less than 20 inches		—	—	—
	severely eroded areas		—	—	—
	slightly less sloping areas		—	—	—
SdA: Seward loamy fine sand, 0 to 2 percent slopes	Seward	100	Dunes on lake plains,dunes on till plains,beach ridges on lake plains,beach ridges on till plains	No	—
	Rawson		Outwash plains,till plains,lake plains	—	—
	Ottokee		Beach ridges on lake plains,dunes on lake plains	—	—
	slightly steeper areas		—	—	—
	fine sandy loam surface layer		—	—	—
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	—
	slightly more sloping areas		—	—	—
	Ottokee		Beach ridges on lake plains,dunes on lake plains	—	—
	slightly less sloping areas		—	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rawson		Till plains,outwash plains,lake plains	—	—
	fine sandy loam surface layer		—	—	—
SeB: Shawtown loam, 2 to 6 percent slopes	Shawtown	91-95	Knolls on beach ridges on lake plains	No	—
	Lamberjack	0-5	Till plains,outwash plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	0-4	—	No	—
	Aurand	0-3	Flats on lake plains,beach ridges	—	—
	Houcktown	0-2	Knolls on end moraines,knolls on ground moraines	—	—
	Sandy loam or fine sandy loam surface layer		—	—	—
	Slopes of 0 to 2 percent		—	—	—
	Slopes of 6 to 12 percent		—	—	—
	Till at 40 to 50 inches		—	—	—
	Well drained soils		—	—	—
	Till below 80 inches		—	—	—
	Less clay and more sand in the subsoil		—	—	—
SfB: Shinrock silt loam, 2 to 6 percent slopes	Shinrock	100	Terraces	No	—
	loam surface layer		—	—	—
	Del Rey		Till plains	—	—
	Tuscola		Lake plains,deltas	—	—
	moderately eroded areas		—	—	—
SfC2: Shinrock silt loam, 6 to 12 percent slopes, moderately eroded	Shinrock	100	Terraces	No	—
	gently sloping areas		—	—	—
	steeper areas		—	—	—
SgC2: Shinrock clay loam, 6 to 12 percent slopes, eroded	Shinrock	95	Lake plains	No	—
	Severely eroded areas	5	Lake plains	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Uneroded areas with silt loam or loam surface layer		—	—	—
	Darker colored loam surface layer		—	—	—
	More sand in the subsoil		—	—	—
	Slopes of 2 to 6 percent		—	—	—
Sh: Shoals silt loam	Shoals	95	Flood plains	No	—
	Sloan	5	Oxbows,depressions	Yes	2,3
	Defiance		Flood plains	—	—
	silty clay loam surface layer		—	—	—
	loam surface layer		—	—	—
Sk: Shoals silt loam, moderately shallow variant	Shoals Variant	95	Flood plains	No	—
	Sloan	5	Oxbows,depressions	Yes	2,3
	bedrock at 16 to 20 inches		—	—	—
SmB: Shinrock, till substratum-Glynwood complex, 1 to 4 percent slopes	Shinrock, till substratum	50	Knolls on disintegration moraines	No	—
	Glynwood	40	Knolls on disintegration moraines	No	—
	Pewamo	5	Drainageways on disintegration moraines,depressions on disintegration moraines	Yes	2
	Poorly drained soils	5	Depressions on disintegration moraines	Yes	2
	Till at 40 to 60 inches		—	—	—
	Eroded areas with silty clay loam surface layer		—	—	—
	More sand and less clay in the subsoil		—	—	—
	Somewhat poorly drained soils		—	—	—
SnA: Shoals silt loam, 0 to 2 percent slopes, occasionally flooded	Shoals	95	Rises on flood plains,flats on flood plains	No	—
	Sloan	5	Backswamps on flood plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Poorly drained soils		Depressions on flood plains	Yes	2
	Loam surface layer		—	—	—
	Moderately well drained soils		—	—	—
	Till at 40 to 80 inches		—	—	—
So: Sloan silty clay loam	Sloan	95	Flood plains	Yes	2
	Shoals	5	Flood plains	No	—
	silt loam surface layer		Flood plains	Yes	2
SpA: Sloan loam, 0 to 1 percent slopes, occasionally flooded	Sloan	90	Flats on flood plains,backswamps on flood plains	Yes	2
	Shoals	5	Flood plains	No	—
	Medway	5	Flood plains	No	—
	Till at 60 to 80 inches		Flats on flood plains,backswamps on flood plains	Yes	2
	More silt and less sand in the subsoil		Backswamps on flood plains,flats on flood plains	Yes	2
	Lighter colored surface layer		Flats on flood plains,backswamps on flood plains	Yes	2
	Silt loam surface layer		Backswamps on flood plains,flats on flood plains	Yes	2
SrA: Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded	Sloan	90	Flats on flood plains,backswamps on flood plains	Yes	2
	Shoals	5	Flats on flood plains	No	—
	Medway	5	Flats on flood plains	No	—
	More clay and less sand in the subsoil		Backswamps on flood plains,flats on flood plains	Yes	2
	Till at 60 to 80 inches		Backswamps on flood plains,flats on flood plains	Yes	2
	Silt loam surface layer		Flats on flood plains,backswamps on flood plains	Yes	2
	Surface layer less than 10 inches thick		Flats on flood plains,backswamps on flood plains	Yes	2
	Lighter colored surface layer		Backswamps on flood plains,flats on flood plains	Yes	2

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
SsA: Sloan silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded	Sloan	90	Flats on flood plains,backswamps on flood plains	Yes	2
	Shoals	10	Flats on flood plains	No	—
	Surface layer less than 10 inches thick		Backswamps on flood plains,flats on flood plains	Yes	2
	Poorly drained soils with a lighter colored surface layer		Backswamps on flood plains,flats on flood plains	Yes	2
	Limestone bedrock at 60 to 80 inches		Backswamps on flood plains,flats on flood plains	Yes	2
	Loam till		Backswamps on flood plains,flats on flood plains	Yes	2
	Till at 40 to 60 inches		Flats on flood plains,backswamps on flood plains	Yes	2
	Silt loam surface layer		Flats on flood plains,backswamps on flood plains	Yes	2
TdA: Tedrow loamy fine sand, 0 to 3 percent slopes	Tedrow	100	Beach ridges on lake plains,beach ridges on outwash plains,dunes on lake plains,dunes on outwash plains	No	—
	slightly steeper areas		—	—	—
	Kibbie		Lake plains,deltas,outwash plains,ground moraines	—	—
	sandy loam surface layer		—	—	—
	Ottokee		Beach ridges on lake plains,dunes on lake plains	—	—
ThA: Thackery loam, till substratum, 0 to 2 percent slopes	Thackery, till substratum	80	Rises on stream terraces,rises on outwash plains,flats on stream terraces,flats on outwash plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	12	—	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Alvada	5	Depressions on stream terraces, depressions on outwash plains	Yes	2
	Houcktown	3	Lake plains, till plains	No	—
	Till below 80 inches		—	—	—
	Till at 40 to 60 inches		—	—	—
	Well drained soils		—	—	—
	Gravelly sandy loam in the upper part of the substratum		—	—	—
	Sandy loam surface layer		—	—	—
	Somewhat poorly drained soils		—	—	—
	Less rock fragments throughout		—	—	—
TkA: Tiderishi loam, 0 to 2 percent slopes	Tiderishi	90	Rises on lake plains, stream terraces, flats on lake plains, flats on ground moraines	No	—
	Rensselaer	10	Drainageways on lake plains, depressions on lake plains	Yes	2
	More clay in the subsoil		—	—	—
	Till at 60 to 80 inches		—	—	—
	Till at 20 to 40 inches		—	—	—
	Lighter colored surface layer		—	—	—
	Surface layer less than 10 inches thick		—	—	—
	Moderately well drained soils		—	—	—
To: Toledo silty clay loam	Toledo	100	Depressions	Yes	2,3
	silt loam surface layer		Lake plains	Yes	2,3
	Paulding		Lake plains	Yes	2,3
	Lenawee		Lake plains	Yes	2,3
TpA: Toledo silty clay loam, 0 to 1 percent slopes	Toledo	90	Drainageways on lake plains, depressions on lake plains	Yes	2
	Fulton	10	Lake plains	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Dark colored surface layer more than 10 inches thick		Depressions on lake plains, drainageways on lake plains	Yes	2
	Silty clay or clay loam surface layer		Depressions on lake plains, drainageways on lake plains	Yes	2
	Lighter colored surface layer		Drainageways on lake plains, depressions on lake plains	Yes	2
Tt: Toledo silty clay	Toledo	95	Flats	Yes	2,3
	Fulton	5	Lake plains	No	—
	Paulding		Lake plains	Yes	2,3
TuB: Tuscola loam, 2 to 6 percent slopes	Tuscola	100	Lake plains, deltas	No	—
	Shinrock		Disintegration moraines, lake plains	—	—
	steeper areas		—	—	—
	fine sandy loam surface layer		—	—	—
TvB: Tuscola loamy fine sand, 2 to 6 percent slopes	Tuscola	93	Knolls on lake plains	No	—
	Poorly drained soils	5	Depressions on lake plains	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	2	—	No	—
	Somewhat poorly drained soils with thicker sandy layers		—	—	—
	Well drained soils		—	—	—
	Less clay and more sand in the subsoil		—	—	—
	Till at 40 to 80 inches		—	—	—
	Slopes of 0 to 2 percent		—	—	—
	More clay and less sand in the subsoil		—	—	—
TwB: Tuscola-Shinrock complex, 2 to 6 percent slopes	Tuscola	40	Deltas, lake plains	No	—
	Shinrock	40	Terraces	No	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rawson	7	Till plains,outwash plains,lake plains	—	—
	Ottokee	7	Beach ridges on lake plains,dunes on lake plains	—	—
	Haney	6	Outwash terraces,outwash plains,glacial drainage channels	—	—
TxA: Tuscola fine sandy loam, 0 to 2 percent slopes	Tuscola	93	Rises on lake plains,flats on lake plains	No	—
	Poorly drained and very poorly drained soils	5	Lake plains,depressions	Yes	2
	Rarely flooded areas adjacent to the Blanchard River and its	2	—	No	—
	More clay and less sand in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
	Loam or loamy fine sand surface layer		—	—	—
	Somewhat poorly drained soils		—	—	—
UdD: Udorthents, loamy, 12 to 25 percent slopes	Udorthents	90	End moraines,lake plains,ground moraines	No	—
	Poorly drained soils at the centers of cloverleafs	10	Depressions on ground moraines,depressions on lake plains,depressions on end moraines	Yes	2
	Less sloping areas on top of embankments and around pond sit		—	—	—
	Steeper areas around upground reservoirs		—	—	—
Ur: Urban land	Urban land	100	—	Unranked	—
VaB: Vaughnsville loam, 2 to 6 percent slopes	Vaughnsville	100	Beach ridges on lake plains	No	—
	Haney		Outwash plains,glacial drainage channels,outwash terraces	—	—

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Rawson		Lake plains,till plains,outwash plains	—	—
	Belmore		Outwash plains,outwash terraces,beach ridges	—	—
VbA: Vanlue loam, 0 to 2 percent slopes	Vanlue	90	Ground moraines,rises on lake plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	8	—	No	—
	Very poorly drained soils	2	Depressions on ground moraines,depressions on lake plains	Yes	2
	Darker colored surface layer		—	—	—
	Till at 60 to 80 inches		—	—	—
	Sandy loam surface layer		—	—	—
	Moderately well drained soils		—	—	—
	Till at 20 to 40 inches		—	—	—
W: Water	Water	100	—	Unranked	—
Wa: Wabasha silty clay	Wabasha	100	Flood plains	Yes	2,4
	silty clay loam surface layer		Flood plains	Yes	2,4
	Sloan		Flood plains	Yes	2
Wb: Wabasha silty clay loam, moderately shallow variant	Wabasha Variant	100	Flood plains	Yes	2,4
Wc: Wabasha silty clay loam, frequently flooded	Wabasha	90	Abandoned channels,depressions,flats	Yes	2,4
	Defiance	10	Flood plains	No	—
Wf: Wauseon fine sandy loam	Wauseon	95	Depressions	Yes	2,3
	Rimer	5	Lake plains,till plains	No	—
	shallower to underlying fine textured material		Lake plains	Yes	2,3
	deeper to underlying fine textured material		Lake plains	Yes	2,3
	Mermill		Lake plains	Yes	2,3

Hydric Soil List - All Components--OH137-Putnam County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Wm: Willette muck	Willette	100	Flats	Yes	1,3
	organic material less than 16 inches thick		Lake plains	Yes	1,3
	Toledo		Lake plains	Yes	2,3

Data Source Information

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