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.

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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–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Ble1A1: Blount silt loam, end moraine, 0 to 2 percent slopes	Blount-End moraine	80-95	End moraines on till plains	No	—
	Glynwood-End moraine	0-12	End moraines on till plains	No	—
	Pewamo-End moraine	0-9	End moraines on till plains	Yes	2
Ble1B1: Blount silt loam, end moraine, 2 to 4 percent slopes	Blount-End moraine	80-95	End moraines on till plains	No	—
	Glynwood-End moraine	0-12	End moraines on till plains	No	—
	Pewamo-End moraine	0-9	End moraines on till plains	Yes	2
Blg1A1: Blount silt loam, ground moraine, 0 to 2 percent slopes	Blount-Ground moraine	80-95	Ground moraines on till plains	No	—
	Pewamo-Ground moraine	0-12	Ground moraines on till plains	Yes	2
	Glynwood-Ground moraine	0-9	Ground moraines on till plains	No	—
Blg1B1: Blount silt loam, ground moraine, 2 to 4 percent slopes	Blount-Ground moraine	80-95	Ground moraines on till plains	No	—
	Pewamo-Ground moraine	0-12	Ground moraines on till plains	Yes	2
	Glynwood-Ground moraine	0-9	Ground moraines on till plains	No	—
BpA: Blount silt loam, limestone substratum, 0 to 3 percent slopes	Blount	85	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
	Pewamo	3	Depressions,drainage ways	Yes	2,3
	Morley	3	Till plains,moraines	—	—
	Milton	3	Till plains	—	—
	Millsdale	3	Depressions,drainage ways	Yes	2,3
	Glynwood	3	End moraines,ground moraines	—	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
BrA: Blount-Houcktown complex, 0 to 3 percent slopes	Blount	60	Rises on ground moraines,rises on disintegration moraines,rises on end moraines	No	—
	Houcktown	35	Rises on disintegration moraines,rises on end moraines,rises on ground moraines	No	—
	Pewamo	5	Depressions on disintegration moraines,depressions on ground moraines,depressions on end moraines,drainage ways on ground moraines,drainage ways on disintegration moraines,drainage ways on end moraines	Yes	2
	Silt loam surface layer		—	—	—
	Loamy soils with till at 40 to 60 inches		—	—	—
	Fine sandy loam surface layer		—	—	—
	More sand and less clay in the subsoil and substratum		—	—	—
Ca: Carlisle muck	Carlisle	90	Bogs	Yes	1,3
	Milford	3	Lake plains	Yes	2,3
	Linwood	3	Depressions on ground moraines,depressions on outwash plains,drainageways on end moraines,drainage ways on ground moraines,drainage ways on outwash plains,depressions on end moraines	Yes	1,3
	occasionally flooded areas	2	Bogs	Yes	1,3

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Pewamo	2	Flats on moraines,flats on lake plains,depressions on moraines,depressions on lake plains,drainageways on moraines,drainageways on lake plains	Yes	2,3
Co: Colwood loam	Colwood	85	Lake plains	Yes	2,3
	muck surface layer	5	Lake plains	Yes	2,3
	Milford	5	Lake plains	Yes	2,3
	Kibbie	5	Outwash plains,ground moraines,deltas,lake plains	No	—
DeA: Del Rey silt loam, 0 to 3 percent slopes	Del Rey	90	Till plains	No	—
	Fulton	3	Lake plains	—	—
	Milford	3	Depressions,drainageways	Yes	2,3
	Shinrock	2	Disintegration moraines,lake plains	—	—
	Kibbie	2	Deltas,outwash plains,lake plains,ground moraines	—	—
DfA: Del Rey silt loam, till substratum, 0 to 3 percent slopes	Del Rey	80	Till plains	No	—
	Pewamo	10	Depressions	Yes	2,3
	Montgomery	10	Depressions	Yes	2,3
Ee: Eel silt loam, occasionally flooded	Eel	90	Flood plains	No	—
	Sloan	5	Depressions,abandoned channels	Yes	2
	Newark	5	Flood plains	—	—
FcA: Flatrock silt loam, 0 to 2 percent slopes, occasionally flooded	Flatrock	90	Flats on flood plains,rises on flood plains,natural levees on flood plains	No	—
	Sloan	10	Backswamps on flood plains	Yes	2

Hydric Soil List - All Components–OH065-Hardin 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		—	—	—
	Well drained soils		—	—	—
	Darker colored surface layer		—	—	—
	Loam surface layer		—	—	—
FnA: Fox loam, 0 to 2 percent slopes	Fox	90	Terraces	No	—
	Ockley	4	Terraces	—	—
	Sleeth	3	Outwash terraces,outwash plains,stream terraces	—	—
	rarely flooded areas	3	—	—	—
FoA: Fox silt loam, 0 to 2 percent slopes	Fox	90	Terraces	No	—
	pits	2	—	Unranked	—
	Westland	2	Flats,depressions,drainageways	Yes	2,3
	Sleeth	2	Outwash terraces,outwash plains,stream terraces	—	—
	Ockley	2	Terraces	—	—
	Kendallville	2	Outwash terraces,eskers,moraines,kames	—	—
FoB: Fox silt loam, 2 to 6 percent slopes	Fox	85	Terraces	No	—
	Westland	3	Depressions,drainageways	Yes	2,3
	Kendallville	3	Outwash terraces,eskers,moraines,kames	—	—
	Morley	3	Till plains,moraines	—	—
	Ockley	2	Terraces	—	—
	Sleeth	2	Stream terraces,outwash terraces,outwash plains	—	—
	pits	2	—	Unranked	—
FpC2: Fox clay loam, 6 to 12 percent slopes, eroded	Fox	85	Terraces	No	—
	pits	3	—	Unranked	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	severely eroded areas	3	—	—	—
	Sleeth	3	Stream terraces,outwash plains,outwash terraces	—	—
	Ockley	3	Terraces	—	—
	Westland	3	Drainageways	Yes	2,3
FuA: Fulton silt loam, 0 to 2 percent slopes	Fulton	90	Lake plains	No	—
	Latty	4	Depressions,drainage ways	Yes	2,3
	Del Rey	3	Till plains	—	—
	Haskins	3	Lake plains,till plains	—	—
FuB: Fulton silt loam, 2 to 6 percent slopes	Fulton	90	Lake plains	No	—
	Latty	3	Depressions,drainage ways	Yes	2,3
	Del Rey	3	Till plains	—	—
	Shinrock	2	Lake plains,disintegration moraines	—	—
	Haskins	2	Till plains,lake plains	—	—
FvA: Fulton silty clay loam, 0 to 2 percent slopes	Fulton	80	Lake plains	No	—
	Paulding	7	Drainageways,depressions	Yes	2,3
	Latty	7	Depressions,drainage ways	Yes	2,3
	moderately well drained soils	6	—	—	—
	darker surface layer		—	—	—
Gn: Genesee silt loam	Genesee	95	Flood plains	No	—
	Sloan	5	Oxbows,sloughs	Yes	2,4
	Eel		Flood-plain steps,flood plains	—	—
GwA: Glynwood silt loam, 0 to 2 percent slopes	Glynwood	90	Ground moraines,end moraines	No	—
	Milton	5	Till plains	—	—
	Blount	5	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	—	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
GwD2: Glynwood silt loam, 12 to 18 percent slopes, eroded	Glynwood	90	End moraines,ground moraines	No	—
	seeps	4	End moraines,ground moraines	Yes	2
	severely eroded areas	3	—	—	—
	slopes of 18 to 40 percent	3	—	—	—
Gwd5C2: Glynwood clay loam, 6 to 12 percent slopes, eroded	Glynwood	75-90	End moraines	No	—
	Blount	0-9	Flats on ground moraines,rises on ground moraines	No	—
	Morley	0-9	Till plains	No	—
Gwe1B1: Glynwood silt loam, end moraine, 2 to 6 percent slopes	Glynwood-End moraine	80-90	End moraines on till plains	No	—
	Blount-End moraine	0-12	End moraines on till plains	No	—
	Pewamo	0-9	End moraines on till plains	Yes	2
Gwe5B2: Glynwood clay loam, end moraine, 2 to 6 percent slopes, eroded	Glynwood-End moraine	80-90	End moraines on till plains	No	—
	Blount-End moraine	0-12	End moraines on till plains	No	—
	Pewamo	0-9	End moraines on till plains	Yes	2
Gwg1B1: Glynwood silt loam, ground moraine, 2 to 6 percent slopes	Glynwood-Ground moraine	80-90	Ground moraines on till plains	No	—
	Blount-Ground moraine	0-12	Ground moraines on till plains	No	—
	Pewamo	0-9	Ground moraines on till plains	Yes	2
Gwg5B2: Glynwood clay loam, ground moraine, 2 to 6 percent slopes, eroded	Glynwood-Ground moraine	80-90	Ground moraines on till plains	No	—
	Blount-Ground moraine	0-12	Ground moraines on till plains,end moraines on till plains	No	—
	Pewamo	0-9	Ground moraines on till plains	Yes	2
Gwg5C2: Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded	Glynwood	75-90	Ground moraines	No	—
	Blount	0-9	Flats on ground moraines	No	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Pewamo	0-9	Depressions on till plains	Yes	2
HkA: Haskins silt loam, 0 to 2 percent slopes	Haskins	85	Till plains,lake plains	No	—
	Pewamo	5	Drainageways,depressions	Yes	2,3
	Blount	4	Rises on end moraines,flats on ground moraines,flats on end moraines,rises on ground moraines	—	—
	Del Rey	3	Till plains	—	—
	Fulton	3	Lake plains	—	—
HkB: Haskins silt loam, 2 to 6 percent slopes	Haskins	80	Lake plains,till plains	No	—
	better drained soils	5	—	—	—
	Glynwood	5	End moraines,ground moraines	—	—
	Del Rey	5	Till plains	—	—
	Blount	5	Rises on ground moraines,rises on end moraines,flats on ground moraines,flats on end moraines	—	—
KaB: Kendallville silt loam, 2 to 6 percent slopes	Kendallville	85	Eskers,outwash terraces,moraines,kames	No	—
	Pewamo	4	Depressions,drainageways,flats	Yes	2,3
	Haskins	4	Till plains,lake plains	—	—
	Glynwood	4	Ground moraines,end moraines	—	—
	Ockley	3	Terraces	—	—
KbA: Kibbie loam, 0 to 3 percent slopes	Kibbie	85	Deltas,lake plains,outwash plains,ground moraines	No	—
	moderately well drained soils	3	—	—	—
	Haskins	3	Till plains,lake plains	—	—
	Colwood	3	Drainageways,depressions	Yes	2,3

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Blount	3	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	Milford	3	Drainageways,depressions	Yes	2,3
KnA: Knoxdale silt loam, 0 to 2 percent slopes, occasionally flooded	Knoxdale	90	Rises on flood plains,natural levees on flood plains	No	—
	Sloan	5	Backswamps on flood plains	Yes	2
	Somewhat poorly drained soils	5	—	No	—
	Till at 60 to 80 inches		—	—	—
	More silt and less sand in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
	Moderately well drained soils		—	—	—
La: Latty silty clay loam	Latty	90	Lake plains	Yes	2,3
	Fulton	4	Lake plains	No	—
	silty clay surface layer	3	Lake plains	Yes	2,3
	Milford	3	Lake plains	Yes	2,3
Le: Latty silty clay	Latty	90	Lake plains	Yes	2,3
	Milford	5	Lake plains	Yes	2,3
	Fulton	5	Lake plains	No	—
Ln: Linwood muck	Linwood	90	Depressions	Yes	1,3
	Roundhead	5	Lake plains	Yes	2,3
	Carlisle	5	Depressions	Yes	1,3
MaB: Martinsville loam, 1 to 4 percent slopes	Martinsville	90	Terraces	No	—
	Kendallville	3	Eskers,moraines,kames,outwash terraces	—	—
	Milford	3	Drainageways,depressions	Yes	2,3
	underlying material is clay or sandy clay	2	—	—	—
	Kibbie	2	Lake plains,outwash plains,ground moraines,deltas	—	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Mc: McGuffey muck	McGuffey	95	Marshes	Yes	2,3
	Pewamo Variant	2	Lake plains	Yes	2,3
	Montgomery	2	Lake plains	Yes	2,3
	Roundhead	1	Lake plains	Yes	2,3
Mf: Milford silty clay loam	Milford	90	Depressions	Yes	2,3
	Del Rey	4	Till plains	No	—
	Pewamo	3	Drainageways on moraines,drainage ways on lake plains,flats on moraines,flats on lake plains,depressions on moraines,depressions on lake plains	Yes	2,3
	Montgomery	3	Lake plains	Yes	2,3
Mk: Millsdale silty clay loam	Millsdale	90	Depressions	Yes	2,3
	Milton	3	Till plains	No	—
	Blount	3	Flats on end moraines,rises on ground moraines,rises on end moraines,flats on ground moraines	No	—
	Sloan	2	Flood plains	Yes	2
	Pewamo	2	Drainageways on lake plains,flats on moraines,flats on lake plains,depressions on moraines,depressions on lake plains,drainageways on moraines	Yes	2,3
Mnl3A: Minster silty clay loam, till substratum, 0 to 1 percent slopes	Minster-Till substratum	80-95	Till plains	Yes	2
	Wallkill	0-9	Till plains	Yes	2,3
	Blount	0-9	Rises on till plains	No	—
Mns3A: Minster silty clay loam, 0 to 1 percent slopes	Minster	85-95	Lake plains	Yes	2
	McGary	0-9	Lake plains	No	—
	Saranac	0-6	Flood plains	Yes	2

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Mny3A: Minster silty clay loam, gravelly substratum, 0 to 1 percent slopes	Minster-Gravelly substratum	85-95	Lake plains,outwash plains	Yes	2
	Sleeth	0-9	Rises on outwash plains	No	—
	Westland	0-6	Outwash plains	Yes	2
MrD2: Morley clay loam, 12 to 18 percent slopes, eroded	Morley	85	Till plains,moraines	No	—
	Belmore	4	Outwash terraces,beach ridges,outwash plains	—	—
	Kendallville	4	Eskers,moraines,kames,outwash terraces	—	—
	Blount	4	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	severely eroded areas	3	—	—	—
MsC2: Morley-Belmore complex, 6 to 15 percent slopes, eroded	Morley	65	Till plains,moraines	No	—
	Belmore	20	Outwash plains,outwash terraces,beach ridges	No	—
	Blount	5	Rises on end moraines,flats on ground moraines,flats on end moraines,rises on ground moraines	—	—
	Kendallville	5	Kames,outwash terraces,eskers,moraines	—	—
	Fox	5	Terraces	—	—
MtB: Morley-Milton silt loams, 2 to 6 percent slopes	Morley	60	Till plains,moraines	No	—
	Milton	30	Till plains	No	—
	Pewamo	3	Drainageways	Yes	2,3
	Blount	3	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	—	—
	sloping areas	2	—	—	—
	Millsdale	2	Drainageways	Yes	2,3

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
NaB: Nappanee silt loam, 2 to 6 percent slopes	Nappanee	91	Lake plains	No	—
	Latty	5	Drainageways,depressions	Yes	2,3
	moderately well drained soils	4	—	—	—
Ne: Newark silt loam, occasionally flooded	Newark	85	Flood plains	No	—
	Saranac	8	Closed depressions,abandoned channels	Yes	2
	Nolin	7	Flood plains	—	—
No: Nolin silt loam, occasionally flooded	Nolin	90	Flood plains	No	—
	Fox	3	Terraces	—	—
	Saranac	3	Depressions,abandoned channels	Yes	2
	Newark	2	Flood plains	—	—
	Martinsville	2	Terraces	—	—
OcA: Ockley loam, 0 to 2 percent slopes	Ockley	80	Terraces	No	—
	Glynwood	5	End moraines,ground moraines	—	—
	Sleeth	5	Outwash terraces,outwash plains,stream terraces	—	—
	pits	5	—	Unranked	—
	Westland	5	Depressions,drainageways	Yes	2,3
OcB: Ockley loam, 2 to 6 percent slopes	Ockley	90	Terraces	No	—
	Glynwood	3	End moraines,ground moraines	—	—
	Fox	3	Terraces	—	—
	clay loam surface layer	2	—	—	—
	Kendallville	2	Outwash terraces,eskers,moraines,kames	—	—
Ot: Olentangy silt loam	Olentangy	90	Depressions	Yes	2,3
	Carlisle	4	Depressions	Yes	1,3

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Milford	3	Lake plains	Yes	2,3
	Pewamo	3	Drainageways on moraines,drainage ways on lake plains,flats on moraines,flats on lake plains,depressions on moraines,depressions on lake plains	Yes	2,3
Pa: Patton silty clay loam	Patton	90	Depressions	Yes	2,3
	Blount	4	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
	mucky surface layer	3	Depressions	Yes	2,3
	Del Rey	3	Till plains	No	—
PkA: Pewamo silty clay loam, 0 to 1 percent slopes	Pewamo	94-95	Drainageways on lake plains,drainageways on end moraines,drainage ways on disintegration moraines,drainage ways on ground moraines,depressions on end moraines,depressions on ground moraines,flats on lake plains,depressions on disintegration moraines,depressions on lake plains	Yes	2
	Blount	0-5	Ground moraines,end moraines	No	—
	Elliott	0-2	Till plains	No	—
	Rarely flooded areas adjacent to the Blanchard River and its	0-1	Flood plains	Yes	2

Hydric Soil List - All Components–OH065-Hardin 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 end moraines,depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains,drainageways on end moraines,drainage ways on lake plains,flats on lake plains,drainageways on disintegration moraines,drainage ways on ground moraines	Yes	2
	Surface layer less than 10 inches thick		Drainageways on lake plains,flats on lake plains,drainageways on disintegration moraines,drainage ways on ground moraines,drainage ways on end moraines,depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains,depressions on end moraines	Yes	2

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Less clay in the substratum		Depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains,depressions on end moraines,drainage ways on ground moraines,drainage ways on end moraines,drainage ways on lake plains,flats on lake plains,drainageways on disintegration moraines	Yes	2
	Silt loam 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–OH065-Hardin 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		Depressions on end moraines,depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains,drainageways on lake plains,flats on lake plains,drainageways on disintegration moraines,drainage ways on ground moraines,drainage ways on end moraines	Yes	2
	Bedrock at 60 to 80 inches		Drainageways on end moraines,drainage ways on lake plains,flats on lake plains,depressions on end moraines,drainage ways on disintegration moraines,drainage ways on ground moraines,depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains	Yes	2

Hydric Soil List - All Components–OH065-Hardin 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 disintegration moraines,depressions on ground moraines,depressions on lake plains,depressions on end moraines,drainageways on end moraines,drainageways on lake plains,flats on lake plains,drainageways on disintegration moraines,drainageways on ground moraines	Yes	2
	Lighter colored surface layer		Drainageways on disintegration moraines,drainageways on ground moraines,drainageways on end moraines,drainageways on lake plains,flats on lake plains,depressions on ground moraines,depressions on lake plains,depressions on end moraines,depressions on disintegration moraines	Yes	2

Hydric Soil List - All Components–OH065-Hardin 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,drainage ways on disintegration moraines,drainage ways on ground moraines,drainage ways on end moraines,drainage ways on lake plains,flats on lake plains	Yes	2
	More clay in the lower part of the subsoil and in the substr		Drainageways on lake plains,flats on lake plains,drainageways on disintegration moraines,drainage ways on ground moraines,drainage ways on end moraines,depressions on end moraines,depressions on disintegration moraines,depressions on ground moraines,depressions on lake plains	Yes	2
Pm: Pewamo silty clay loam	Pewamo	90	Depressions	Yes	2,3
	Saranac	4	Flood plains	Yes	2
	Milford	3	Lake plains	Yes	2,3
	Blount	3	Flats on ground moraines,flats on end moraines,rises on ground moraines,rises on end moraines	No	—
Po: Pewamo variant muck	Pewamo Variant	90	Lake plains	Yes	2,3
	Roundhead	4	Lake plains	Yes	2,3

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Pewamo	3	Drainageways on moraines,drainage ways on lake plains,flats on moraines,flats on lake plains,depressions on moraines,depressio ns on lake plains	Yes	2,3
	McGuffey	3	Depressions on till plains,depressions on outwash plains,lake plains	Yes	2,3
Ps: Pits, gravel	Pits, gravel	100	—	Unranked	—
Pt: Pits, quarry	Pits, quarry	100	—	Unranked	—
Ro: Roundhead muck	Roundhead	90	Marshes	Yes	2,3
	McGuffey	3	Lake plains,depressions on till plains,depressions on outwash plains	Yes	2,3
	Patton	3	Lake plains,stream terraces	Yes	2,3
	areas subject to flooding	2	Marshes	Yes	2,3
	Pewamo Variant	2	Lake plains	Yes	2,3
Sa: Saranac silty clay loam, occasionally flooded	Saranac	95	Flood plains	Yes	2
	Newark	5	Flood plains	No	—
SgA: Shoals silt loam, till substratum, 0 to 1 percent slopes, occasionally flooded	Shoals	95	Flats on flood plains	No	—
	Blount soils at the margins of map units	5	Ground moraines,end moraines	No	—
	Till at 40 to 60 inches		—	—	—
	More silt and less sand in the subsoil		—	—	—
	Darker colored surface layer		—	—	—
	Moderately well drained soils		—	—	—
	Silty clay loam surface layer		—	—	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
ShB: Shinrock silt loam, 2 to 6 percent slopes	Shinrock	90	Terraces	No	—
	Milford	3	Drainageways,depressions	Yes	2,3
	Del Rey	3	Till plains	—	—
	silty clay textures throughout	2	—	—	—
	Fulton	2	Lake plains	—	—
SjA: Shoals silt loam, 0 to 2 percent slopes, occasionally flooded	Shoals	80-100	Flood plains	No	—
	Sloan	0-9	Flood plains	Yes	2
	Eel	0-9	Flood plains	No	—
SkA: Sleeth silt loam, 0 to 3 percent slopes	Sleeth	85	Outwash plains,stream terraces,outwash terraces	No	—
	Westland	6	Depressions,drainageways	Yes	2,3
	Del Rey	5	Till plains	—	—
	Ockley	4	Terraces	—	—
SmA: Sleeth silt loam, 0 to 2 percent slopes	Sleeth	95	Outwash plains,stream terraces,outwash terraces	No	—
	Westland	5	Depressions,drainageways	Yes	2,3
	Eldean		Outwash terraces,kames,end moraines	—	—
So: Sloan silt loam, frequently flooded	Sloan	85	Flood plains	Yes	2
	Newark	8	Flood plains	No	—
	limestone bedrock at 40 to 60 inches	7	Flood plains	Yes	2
SrA: 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		Flats on flood plains,backswamps on flood plains	Yes	2
	Poorly drained soils with a lighter colored surface layer		Flats on flood plains,backswamps on flood plains	Yes	2

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Limestone bedrock at 60 to 80 inches		Flats on flood plains,backswamps on flood plains	Yes	2
	Loam till		Flats on flood plains,backswamps 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
W: Water	Water	100	—	Unranked	—
Wa: Wallkill silt loam, frequently flooded	Wallkill	90	Flood plains	Yes	2,3,4
	Carlisle	10	Flood plains	Yes	1,3
Wb: Wallkill silt loam	Wallkill	100	Depressions	Yes	2,3,4
	Carlisle		Depressions	Yes	1,3
	Muskego		Flood plains,lake plains	Yes	1,3,4
We: Westland clay loam	Westland	85	Depressions	Yes	2,3
	Sleeth	3	Outwash plains,stream terraces,outwash terraces	No	—
	mucky surface layer	3	Depressions	Yes	2,3
	Pewamo	3	Flats on moraines,flats on lake plains,depressions on moraines,depressions on lake plains,drainageways on moraines,drainageways on lake plains	Yes	2,3
	Linwood	3	Depressions on end moraines,depressions on ground moraines,depressions on outwash plains,drainageways on end moraines,drainageways on ground moraines,drainageways on outwash plains	Yes	1,3
	Fox	3	Terraces	No	—

Hydric Soil List - All Components–OH065-Hardin County, Ohio					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Wf: Westland silty clay loam, clay substratum	Westland	95	Depressions	Yes	2,3
	Algiers	5	Flood plains,terraces	No	—

Data Source Information

Soil Survey Area: Hardin County, Ohio
Survey Area Data: Version 12, Sep 18, 2014