

## 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—OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Be: Beaches	Beaches	90	Beach ridges on lakeshores on lake plains	Unranked	—
	Tyner	10	Beach plains on lake plains, beach ridges on lake plains	—	—
BkA: Blakeslee silt loam, 0 to 2 percent slopes	Blakeslee	92	Outwash terraces, outwash plains	No	—
	Red Hook	4	Terraces, outwash plains	—	—
	Chenango	4	Eskers, outwash plains, kames, terraces	—	—
	Soils with less clay in the subsoil		—	—	—
	Soils with less sand and more silt in the subsoil		—	—	—
BkB: Blakeslee silt loam, 2 to 6 percent slopes	Blakeslee	93	Outwash terraces, outwash plains	No	—
	Chenango	3	Terraces, eskers, outwash plains, kames	—	—
	Red Hook	2	Terraces, outwash plains	—	—
	Soils with a silty lacustrine floor between 60 and 80 inches	2	—	—	—
	Soils with less clay in the subsoil		—	—	—
	Soils with less sand and more silt in the subsoil		—	—	—
BkC: Blakeslee silt loam, 6 to 12 percent slopes	Blakeslee	90	Outwash terraces, outwash plains	No	—
	Chenango	10	Outwash plains, kames, terraces, eskers	—	—
	Soils with less clay in the subsoil		—	—	—
	Soils with less sand and more silt in the subsoil		—	—	—

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CaB: Cambridge silt loam, 2 to 6 percent slopes	Cambridge	90	End moraines,ground moraines	No	—
	Venango	10	Till plains,moraines	—	—
	Soils formed in outwash parent material		—	—	—
	Soils with a seasonal high water table from 8 to 16 inches		—	—	—
CaC: Cambridge silt loam, 6 to 12 percent slopes	Cambridge	85	End moraines,ground moraines	No	—
	Venango	9	Moraines,till plains	—	—
	Darien	6	Till plains,moraines	—	—
	Soils formed in outwash parent material		—	—	—
CaD: Cambridge silt loam, 12 to 18 percent slopes	Cambridge	92	End moraines,ground moraines	No	—
	Venango	4	Till plains,moraines	—	—
	Darien	4	Moraines,till plains	—	—
	Soils without a fragipan		—	—	—
CcA: Canadice silt loam, 0 to 2 percent slopes	Canadice	80	Valley floors	Yes	2
	Caneadea	20	Lake plains	No	—
	Soils with less clay and more silt in the subsoil		Valley floors	Yes	2
	CdA: Caneadea silt loam, 0 to 2 percent slopes	Caneadea	85	Valley floors	No
Canadice		12	Lake plains	Yes	2
Sebring		3	Lake plains	Yes	2
Less clay and more silt in the subsoil and substratum			—	—	—

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	Soils with a till substratum above 60 inches		—	—	—
CdB: Caneadea silt loam, 2 to 6 percent slopes	Caneadea	90	Valley floors	No	—
	Canadice	8	Lake plains	Yes	2
	Sebring	2	Lake plains	Yes	2
	Less clay and more silt in the subsoil and substratum		—	—	—
	Soils with a till substratum above 60 inches		—	—	—
CeA: Caneadea-Canadice silt loams, 0 to 2 percent slopes	Caneadea	55	Valley floors	No	—
	Canadice	40	Valley floors	Yes	2
	Willette	5	Valley floors	Yes	1,3
	Less clay and more silt in the subsoil and substratum		—	—	—
	Soils with a till substratum above 60 inches		—	—	—
CfC2: Cardinal silt loam, 6 to 12 percent slopes, eroded	Cardinal	90	Terraces	No	—
	Fitchville	10	Lake plains,terraces	—	—
	Areas that are severely eroded		—	—	—
CfD2: Cardinal silt loam, 12 to 18 percent slopes, eroded	Cardinal	90	Terraces	No	—
	Caneadea	7	Lake plains	—	—
	Fitchville	3	Terraces,lake plains	—	—
	Less clay and more silt in the subsoil and substratum		—	—	—
	Seasonal high water table starting at 24 to 42 inches		—	—	—
CfF: Cardinal silt loam, 18 to 50 percent slopes	Cardinal	88	Terraces	No	—
	Well drained; less clay and more silt in the subsoil	8	—	—	—

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	Well drained; less clay and more sand in the subsoil	4	—	—	—
	Soils that are well drained		—	—	—
	Less clay and more silt in the subsoil and substratum		—	—	—
CgA: Carlisle muck, 0 to 1 percent slopes	Carlisle	90	Lake plains,ground moraines	Yes	1,3
	Willette	10	Lake plains,ground moraines	Yes	1,3
	Less than 51 inches of organic material near edge of unit		Lake plains,ground moraines	Yes	1,3
CkA: Chenango gravelly loam, 0 to 2 percent slopes	Chenango	93	Outwash terraces,outwash plains	No	—
	Harbor	4	Lake plains	—	—
	Moderately well drained and till substratum above 80 inches	3	—	—	—
	Soils with less gravel throughout the profile		—	—	—
	Soils with a till substratum at less than 60 inches		—	—	—
CkB: Chenango gravelly loam, 2 to 6 percent slopes	Chenango	90	Outwash terraces,outwash plains	No	—
	Harbor	7	Lake plains	—	—
	Moderately well drained soils with less gravel & more clay	3	—	—	—
	Soils with a till substratum at less than 60 inches		—	—	—
	Soils with less gravel throughout the profile		—	—	—
CkC: Chenango gravelly loam, 6 to 12 percent slopes	Chenango	85	Kames,outwash terraces,outwash plains	No	—
	Moderately well drained soils formed in till parent material	9	—	—	—

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	Moderately well drained soils with less gravel & more clay	6	—	—	—
	Soils with less gravel throughout the profile		—	—	—
	Soils with a till substratum at less than 60 inches		—	—	—
CkD: Chenango gravelly loam, 12 to 18 percent slopes	Chenango	88	Kames,outwash terraces,outwash plains	No	—
	Moderately well drained soils w/ less gravel in the subsoil	8	—	—	—
	Glenford	4	Lake plains,terraces	—	—
	Soils with less gravel throughout the profile		—	—	—
	Soils on 18 to 25 percent slopes		—	—	—
	Soils with slightly more clay in the subsoil		—	—	—
CoB: Colonie loamy fine sand, 2 to 6 percent slopes	Colonie	86	Dunes on beach ridges on lake plains	No	—
	Otisville	10	Terraces,eskers,kames,beaches	—	—
	Harbor	4	Lake plains	—	—
	Silt plus clay content > 10% between 10 and 40 inches		—	—	—
CoD: Colonie loamy fine sand, 12 to 18 percent slopes	Colonie	95	Dunes on beach ridges on lake plains	No	—
	Chenango	5	Eskers,outwash plains,kames,terraces	—	—
	Silt plus clay content > 10% between 10 and 40 inches		—	—	—
CpB: Colonie-Urban land complex, 2 to 6 percent slopes	Colonie	60	Dunes on beach ridges on lake plains	No	—
	Urban land	30	Dunes on beach ridges on lake plains	Unranked	—
	Otisville	7	Kames,beaches,terraces,eskers	—	—
	Harbor	3	Lake plains	—	—

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	Silt plus clay content > 10% between 10 and 40 inches		—	—	—
CtA: Conneaut silt loam, 0 to 2 percent slopes	Conneaut	90	Lake plains	No	—
	Red Hook	7	Terraces,outwash plains	—	—
	Blakeslee	3	Terraces	—	—
	Soils with a surface layer texture of silty clay loam		—	—	—
	Soils with less silt and more sand in the subsoil		—	—	—
CuA: Conneaut-Urban land complex, 0 to 2 percent slopes	Conneaut	59	Lake plains	No	—
	Urban land	35	Lake plains	Unranked	—
	Red Hook	4	Terraces,outwash plains	—	—
	Blakeslee	2	Terraces	—	—
	Soils with a surface layer texture of silty clay loam		—	—	—
	Soils with less silt and more sand in the subsoil		—	—	—
DAM: Dam	Dam	100	—	Unranked	—
DeC: Darien and Platea silt loams, 6 to 12 percent slopes	Darien	75	Ground moraines,end moraines	No	—
	Platea	20	End moraines,ground moraines	No	—
	Moderately well drained soils without a fragipan	5	—	—	—
	Soils with less clay and more silt in the subsoil		—	—	—
DeC2: Darien and Platea silt loams, 6 to 12 percent slopes, eroded	Darien	75	End moraines,ground moraines	No	—
	Platea	20	End moraines,ground moraines	No	—
	Moderately well drained soils without a fragipan	5	—	—	—
	Areas with slight erosion		—	—	—

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Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Areas with severe erosion		—	—	—
	Soils with less clay and more silt in the subsoil		—	—	—
DhB: Darien-Hornell silt loams, 2 to 6 percent slopes	Darien	48	End moraines,ground moraines	No	—
	Hornell	42	End moraines,ground moraines	No	—
	Soils with bedrock within 10 to 20 inches	5	—	—	—
	Mill	5	End moraines,ground moraines	Yes	2
	Soils with less clay in subsoil similar to Hornell		—	—	—
	Similar to Darien; bedrock within 60 to 80 inches		—	—	—
EnB: Elnora loamy fine sand, 1 to 5 percent slopes	Elnora	91	Longshore bars (relict) on lake plains,beach ridges on lake plains,deltas on lake plains	No	—
	Red Hook	6	Outwash plains,terraces	—	—
	Silty substratum starting between 60 and 80 inches	3	—	—	—
	Layers having 15 to 60% gravel below 40 inches		—	—	—
	Layers of very fine sandy loam to sand below 40 inches		—	—	—
	Soils that are well drained		—	—	—
FcA: Fitchville silt loam, 0 to 2 percent slopes	Fitchville	92	Stream terraces	No	—
	Sebring	7	Lake plains	Yes	2
	Canadice	1	Lake plains	Yes	2
	Soils with thin layers of coarser textured material		—	—	—

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	Soils with less silt and more clay in the subsoil		—	—	—
	Soils that are moderately well drained		—	—	—
FcB: Fitchville silt loam, 2 to 6 percent slopes	Fitchville	95	Stream terraces	No	—
	Sebring	5	Lake plains	Yes	2
	Soils that are moderately well drained		—	—	—
	Soils with thin layers of coarser textured material		—	—	—
	Soils with less silt and more clay in the subsoil		—	—	—
GaF: Gageville silt loam, 18 to 50 percent slopes	Gageville	95	End moraines, ground moraines	No	—
	Well drained soils formed in glaciofluvial parent material	5	—	—	—
	Seasonal high water table starting at 12 to 18 inches		—	—	—
	Soils that are well drained		—	—	—
GfA: Glenford silt loam, 0 to 2 percent slopes	Glenford	90	Stream terraces	No	—
	Fitchville	10	Lake plains, terraces	—	—
	Seasonal high water table starting below 24 inches		—	—	—
	Soils with thin layers of coarser textured material		—	—	—
GfB: Glenford silt loam, 2 to 6 percent slopes	Glenford	90	Stream terraces	No	—
	Fitchville	10	Lake plains, terraces	—	—
	Soils with thin layers of coarser textured material		—	—	—
	Seasonal high water table starting below 24 inches		—	—	—

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GfC: Glenford silt loam, 6 to 12 percent slopes	Glenford	95	Stream terraces	No	—
	Fitchville	5	Lake plains,terraces	—	—
	Seasonal high water table starting below 24 inches		—	—	—
GfD: Glenford silt loam, 12 to 18 percent slopes	Glenford	100	Stream terraces	No	—
	Seasonal high water table starting below 24 inches		—	—	—
HaA: Harbor fine sandy loam, 0 to 3 percent slopes	Harbor	87	Deltas on lake plains,longshore bars (relict) on lake plains,beach ridges on lake plains	No	—
	Painesville	10	Lake plains	—	—
	Conneaut	3	Lake plains	—	—
	Soils with silty lacustrine sediments in the substratum		—	—	—
	Soils with loamy fine sand or loam texture in surface layer		—	—	—
	Soils with depth to till between 40 and 60 inches		—	—	—
HaC: Harbor fine sandy loam, 6 to 12 percent slopes	Harbor	75	Beach ridges on lake plains	No	—
	Elnora	11	Beach ridges,longshore bars (relict)	—	—
	Tyner	7	Beach plains on lake plains,beach ridges on lake plains	—	—
	Painesville	7	Lake plains	—	—
	Seasonal high water table starting at 12 to 18 inches		—	—	—
HbB: Harbor-Urban land complex, 0 to 6 percent slopes	Harbor	61	Deltas on lake plains,beach ridges on lake plains	No	—
	Urban land	30	Deltas on lake plains,beach ridges on lake plains	Unranked	—
	Painesville	7	Lake plains	—	—
	Conneaut	2	Lake plains	—	—

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	Soils with loamy fine sand or loam texture in surface layer		—	—	—
	Soils with silty lacustrine sediments in the substratum		—	—	—
	Soils with depth to till between 40 and 60 inches		—	—	—
HmA: Holly silt loam, 0 to 2 percent slopes, frequently flooded	Holly	85	Flood plains	Yes	2,4
	Orrville	10	Flood plains	No	—
	Wick	5	Flood plains	Yes	2,4
	Soils with more than 25% rock fragments in the substratum		Flood plains	Yes	2,4
HoA: Hornell silt loam, 0 to 2 percent slopes	Hornell	95	Lake plains,till plains	No	—
	Soils with bedrock starting at 10 to 20 inches	5	—	—	—
	Soils with bedrock starting at 40 to 60 inches		—	—	—
	Soils with less clay in the subsoil		—	—	—
HoB: Hornell silt loam, 2 to 6 percent slopes	Hornell	90	Lake plains,till plains	No	—
	Soils with bedrock starting at 10 to 20 inches	10	—	—	—
	Soils with bedrock starting at 40 to 60 inches		—	—	—
	Soils with less clay in the subsoil		—	—	—
KfA: Kingsville loamy fine sand, 0 to 2 percent slopes	Kingsville	85	Deltas on lake plains,longshore bars (relict) on lake plains	Yes	2
	Soils averaging more than 35% gravel in subsoil & substratum	15	Deltas on lake plains,longshore bars (relict) on lake plains	Yes	2

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	Gravelly layers more than 4 inches thick in the solum		Deltas on lake plains, longshore bars (relict) on lake plains	Yes	2
	Dark colored surface layer more than 9 inches thick		Deltas on lake plains, longshore bars (relict) on lake plains	Yes	2
La: Landfills	Landfills	95	End moraines	Unranked	—
	Areas covered by overburden	5	—	—	—
MhA: Mill silt loam, 0 to 2 percent slopes	Mill	86	End moraines, ground moraines	Yes	2
	Somewhat poorly drained soils with a fragipan	7	—	No	—
	Poorly drained soils with a fragipan	5	—	—	—
	Fitchville soils with a till substratum	2	—	No	—
	Soils that are somewhat poorly drained		—	No	—
	Soils with less sand and more silt in the subsoil		—	—	—
MtA: Mitiwanga silt loam, 0 to 2 percent slopes	Mitiwanga	84	Ground moraines	No	—
	Poorly drained soils with bedrock starting at 40 - 60 inches	8	Ground moraines	Yes	2
	Darien	8	Till plains, moraines	—	—
	Moderately well drained soils		—	—	—
	Soils with bedrock starting between 10 and 20 inches		—	—	—
	Soils with bedrock starting between 40 and 60 inches		—	—	—
MtB: Mitiwanga silt loam, 2 to 6 percent slopes	Mitiwanga	80	Ground moraines	No	—
	Well drained soils	9	—	—	—

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	Mod. well drained; bedrock at 40 - 60 in.; on 2 - 12% slopes	6	—	—	—
	Poorly drained soils with bedrock starting at 40 - 60 inches	5	Ground moraines	Yes	2
	Soils with bedrock starting between 40 and 60 inches		—	—	—
	Moderately well drained soils		—	—	—
OrA: Orrville silt loam, 0 to 2 percent slopes, frequently flooded	Orrville	85	Flood plains	No	—
	Well drained soils with less than 18% clay in the subsoil	9	—	—	—
	Holly	6	Flood plains	Yes	2,4
	Soils with thin layers having more than 15% gravel		—	—	—
OtA: Otego silt loam, 0 to 2 percent slopes, frequently flooded	Otego	95	Flood plains	No	—
	Somewhat poorly drained; less silt and more clay in subsoil	5	—	—	—
	Soils with less silt and more sand in the subsoil		—	—	—
	Soils with a seasonal high water table deeper than 24 inches		—	—	—
	Soils with less silt and more clay in the subsoil		—	—	—
OuC: Otisville gravelly sandy loam, 6 to 12 percent slopes	Otisville	95	Beach ridges on lake plains	No	—
	Moderately well drained soils	5	—	—	—
	Layers having less sand and more gravel in substratum		—	—	—
PaA: Painesville fine sandy loam, 0 to 2 percent slopes	Painesville	82	Lake plains	No	—
	Kingsville	7	Lake plains	Yes	2

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	Poorly drained soils	5	Lake plains	Yes	2
	Elnora	4	Longshore bars (relict), beach ridges	—	—
	Darien	2	Till plains, moraines	—	—
	Soils with less sand and more silt in the subsoil		—	—	—
	Moderately well drained soils		—	—	—
	Soils with a loam or sandy loam texture in the surface layer		—	—	—
PbA: Painesville-Urban land complex, 0 to 2 percent slopes	Painesville	47	Lake plains	No	—
	Urban land	40	Lake plains	Unranked	—
	Poorly drained soils	5	Lake plains	Yes	2
	Kingsville	5	Lake plains	Yes	2
	Elnora	2	Longshore bars (relict), beach ridges	—	—
	Darien	1	Moraines, till plains	—	—
	Moderately well drained soils		—	—	—
	Soils with less sand and more silt in the subsoil		—	—	—
PeC2: Pierpont silt loam, 6 to 12 percent slopes, eroded	Pierpont	75	End moraines, ground moraines	No	—
	Less silt and more sand in the subsoil and no fragipan	20	—	—	—
	Darien	5	Till plains, moraines	—	—
	Seasonal high water table starting at 24 to 42 inches		—	—	—
	Soils with layers of outwash in the substratum		—	—	—
PeD: Pierpont silt loam, 12 to 18 percent slopes	Pierpont	75	End moraines, ground moraines	No	—
	Less silt and more sand in the subsoil and no fragipan	17	—	—	—
	Well drained; more sand & gravel in the subsoil; no fragipan	7	—	—	—
	Darien	1	Till plains, moraines	—	—

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	Soils with more clay in the subsoil		—	—	—
	Seasonal high water table starting at 24 to 42 inches		—	—	—
	Soils with less clay and more silt in the subsoil		—	—	—
Pg: Pits, gravel	Pits, gravel	100	Outwash plains, beach plains on lake plains, outwash terraces, beach ridges on lake plains	Unranked	—
Pk: Pits, quarry	Pits, quarries	100	Ground moraines	Unranked	—
PrA: Platea-Darien silt loams, 0 to 2 percent slopes	Platea	50	Ground moraines	No	—
	Darien	39	Ground moraines	No	—
	Mill	6	Ground moraines	Yes	2
	Moderately well drained; less silt & more sand; no fragipan	5	—	—	—
	Similar to Darien; less clay and more silt in subsoil		—	—	—
	Soil with clay accumulation in horizon above the fragipan		—	—	—
PrB: Platea-Darien silt loams, 2 to 6 percent slopes	Platea	50	End moraines, ground moraines	No	—
	Darien	39	End moraines, ground moraines	No	—
	Moderately well drained; less silt & more sand; no fragipan	6	—	—	—
	Mill	5	Ground moraines	Yes	2
	Similar to Darien; less clay and more silt in subsoil		—	—	—
	Soil with clay accumulation in horizon above the fragipan		—	—	—
PrB2: Platea-Darien silt loams, 2 to 6 percent slopes, eroded	Platea	50	End moraines, ground moraines	No	—
	Darien	35	End moraines, ground moraines	No	—

Hydric Soil List - All Components--OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Soils buried under eroded topsoil at base of slopes	8	—	—	—
	Eroded soils on 6 to 12 percent slopes	7	—	—	—
	Similar to Darien; less clay and more silt in subsoil		—	—	—
	Soil with clay accumulation in horizon above the fragipan		—	—	—
PtB: Platea-Urban land complex, 2 to 6 percent slopes	Platea	60	End moraines	No	—
	Urban land	30	End moraines	Unranked	—
	Darien	10	Till plains,moraines	—	—
	Soil with clay accumulation in horizon above the fragipan		—	—	—
PtC: Platea-Urban land complex, 6 to 12 percent slopes	Platea	60	End moraines	No	—
	Urban land	30	End moraines	Unranked	—
	Moderately well drained soils with no fragipan	10	—	—	—
	Soil with clay accumulation in horizon above the fragipan		—	—	—
RhA: Red Hook silt loam, 0 to 2 percent slopes	Red Hook	85	Outwash terraces,outwash plains	No	—
	Poorly drained soils with more clay in the subsoil	10	Outwash plains,outwash terraces	Yes	2
	Darien	5	Till plains,moraines	—	—
	Soils with less sand and more silt or clay in the subsoil		—	—	—
	More than 35 percent rock fragments in the subsoil		—	—	—
RhB: Red Hook silt loam, 2 to 6 percent slopes	Red Hook	85	Outwash terraces,outwash plains	No	—
	Poorly drained soils with more clay in the subsoil	10	Outwash terraces,outwash plains	Yes	2

Hydric Soil List - All Components--OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
	Chenango	5	Outwash plains,kames,terraces,eskers	—	—
	Soils with less rock fragments in some part of the profile		—	—	—
	More than 35 percent rock fragments in the subsoil		—	—	—
	Soils with less sand and more silt or clay in the subsoil		—	—	—
Rw: Riverwash	Riverwash	90	Drainageways on flood plains	Unranked	—
	Large amounts of fine earth material between rocks	10	—	—	—
SbA: Sebring silt loam, 0 to 2 percent slopes	Sebring	78	Stream terraces	Yes	2
	Fitchville	18	Lake plains,terraces	No	—
	Caneadea	2	Lake plains	No	—
	Canadice	2	Stream terraces	Yes	2
	Soils that are slightly better drained		—	—	—
StA: Stanhope silt loam, 0 to 2 percent slopes, frequently flooded	Stanhope	98	Flood plains	Yes	2
	Moderately well drained soils	2	—	No	—
	Wick		Flood plains	Yes	2,4
	Soils with less silt and more sand in the subsoil		—	—	—
ToC: Towerville silt loam, 6 to 12 percent slopes	Towerville	90	End moraines,ground moraines	No	—
	Hornell	10	Till plains	—	—
	Soils with a seasonal high water table deeper than 2 feet		—	—	—
ToD: Towerville silt loam, 12 to 18 percent slopes	Towerville	100	End moraines,ground moraines	No	—
	Soils with a seasonal high water table deeper than 2 feet		—	—	—
	Soils with bedrock within 40 to 60 inches		—	—	—

Hydric Soil List - All Components--OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
TyB: Tyner-Otisville complex, 2 to 6 percent slopes	Tyner	46	Beach plains on lake plains, longshore bars (relict) on lake plains, beach ridges on lake plains	No	—
	Otisville	31	Beach plains on lake plains, longshore bars (relict) on lake plains, beach ridges on lake plains	No	—
	Chenango	14	Kames, terraces, eskers, outwash plains	—	—
	Well drained soils with 10 to 18 percent clay in the subsoil	9	—	—	—
	Similar to Otisville; less rock fragments in subsoil		—	—	—
	Similar to Tyner; less silt and more sand in subsoil		—	—	—
Ud: Udorthents	Udorthents	90	Till plains, lake plains	Unranked	—
	Overburden and mined materials not removed from the site	10	—	—	—
Un: Urban land	Urban land	90	Lake plains, till plains	Unranked	—
	Areas of natural undisturbed soil material	10	—	—	—
UrB: Urban land-Elnora complex, 1 to 5 percent slopes	Urban land	70	Beach ridges on lake plains, deltas on lake plains	Unranked	—
	Elnora	27	Deltas on lake plains, beach ridges on lake plains	No	—
	Red Hook	2	Terraces, outwash plains	—	—
	Silty substratum starting between 60 and 80 inches	1	—	—	—
	Layers having 15 to 60% gravel below 40 inches		—	—	—
	Layers of very fine sandy loam to sand below 40 inches		—	—	—
	Soils that are well drained		—	—	—

Hydric Soil List - All Components--OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
UtB: Urban land-Tyner-Otisville complex, 2 to 6 percent slopes	Urban land	45	Beach plains on lake plains,beach ridges on lake plains	Unranked	—
	Tyner	25	Beach plains on lake plains,beach ridges on lake plains	No	—
	Otisville	17	Beach plains on lake plains,beach ridges on lake plains	No	—
	Chenango	8	Terraces,eskers,outwash plains,kames	—	—
	Well drained soils with 10 to 18 percent clay in the subsoil	5	—	—	—
	Similar to Tyner; less silt and more sand in subsoil		—	—	—
	Similar to Otisville; less rock fragments in subsoil		—	—	—
VeA: Venango silt loam, 0 to 2 percent slopes	Venango	85	Ground moraines	No	—
	Darien	10	Till plains,moraines	—	—
	Mill	5	Ground moraines	Yes	2
	Soils with less sand and more silt above the fragipan		—	—	—
VeB: Venango silt loam, 2 to 6 percent slopes	Venango	90	End moraines,ground moraines	No	—
	Darien	5	Till plains,moraines	—	—
	Cambridge	4	Till plains,moraines	—	—
	Red Hook	1	Terraces,outwash plains	—	—
W: Water	Water	100	—	Unranked	—
WcA: Wick silt loam, 0 to 2 percent slopes, frequently flooded	Wick	89	Flood plains	Yes	2,4
	Somewhat poorly drained soils	5	—	No	—
	Willette	4	Depressions on flood plains	Yes	1,3
	Carlisle	2	Depressions on flood plains	Yes	1,3
	Soils with less silt and more sand in the subsoil		Flood plains	Yes	2,4

Hydric Soil List - All Components--OH007-Ashtabula County, Ohio					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
WeA: Willette muck, 0 to 1 percent slopes	Willette	85	Lake plains,till plains	Yes	1,3
	Organic soils underlain by coarser textured mineral layers	15	Lake plains,till plains	Yes	—
	Soils with an organic layer less than 19 inches thick		Till plains,lake plains	Yes	1,3

### Data Source Information

Soil Survey Area: Ashtabula County, Ohio  
 Survey Area Data: Version 13, Sep 18, 2014