

In this section, hydric soils are defined and described and the hydric soils in the survey area are listed. 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 each 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 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, 1995). These criteria are used to identify a phase of a soil series that normally is associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (USDA, 1999) and "Keys to Soil Taxonomy" (USDA, 1998) and in the "Soil Survey Manual" (USDA, 1993).

If soils are wet enough for a long enough period 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 in this survey area are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and others, 1996).

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 in the Hydric Soil Interpretations table meet the definition of hydric soils and, in addition, have at least one of the hydric soil indicators. 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, 1996).

Map units that are made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

These map units, in general, do not meet the definition of hydric soils because they do not have one of the hydric soil indicators. A portion of these map units, however, may include hydric soils. Onsite investigation is recommended to determine whether hydric soils occur and the location of the included hydric soils.

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
009DT: DILLWYN-TIVOLI COMPLEX, 0 TO 15 PERCENT SLOPES	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	TIVOLI	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A,3,2B3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A,2B2	YES	NO	NO
009TV: TIVOLI FINE SAND, 15 TO 30 PERCENT SLOPES	TIVOLI	No	dune, paleoterrace	---	---	---	---
	Unnamed Hydric Soil	Yes	depression	2A,3,2B3,2B2	YES	NO	YES
047CS: CARWILE-DRUMMOND COMPLEX, 0 TO 1 PERCENT SLOPES	CARWILE	Yes	depression, paleoterrace	2A,3	YES	NO	YES
	DRUMMOND	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A,3,2B3	YES	NO	YES
151KP: KANZA-PLEVNA COMPLEX, FREQUENTLY FLOODED	KANZA	Yes	flood plain	2B3	YES	NO	NO
	PLEVNA	Yes	flood plain	2B3,4	YES	YES	NO
159DP: DILLWYN-PLEVNA LOAMY FINE SANDS, 0 TO 1 PERCENT SLOPES	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	PLEVNA	Yes	flood plain	2B3,4	YES	YES	NO
159DT: DILLWYN-TIVOLI COMPLEX, 0 TO 20 PERCENT SLOPES	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	TIVOLI	No	dune, paleoterrace	---	---	---	---
	PLEVNA	Yes	flood plain	3,2B3	YES	NO	YES
	Unnamed wet soils	Yes	depression	3,2A,2B3,2B2	YES	NO	YES
159DU: DRUMMOND COMPLEX, 0 TO 1 PERCENT SLOPES	DRUMMOND	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A,3,2B3	YES	NO	YES
159PE: PLEVNA FINE SANDY LOAM, FREQUENTLY FLOODED	PLEVNA	Yes	flood plain	4,2B3	YES	YES	NO
990: ABBYVILLE LOAM, 0 TO 1 PERCENT SLOPES	ABBYVILLE	No	terrace	---	---	---	---
	KISIWA	Yes	terrace, flood plain	2B3,3	YES	NO	YES
991: ABBYVILLE-KISIWA COMPLEX, 0 TO 2 PERCENT SLOPES, FLOODED	ABBYVILLE	No	terrace	---	---	---	---
	KISIWA	Yes	terrace, flood plain	2B3	YES	NO	NO
	SAXMAN	No	flood plain	---	---	---	---
	DARLOW	No	terrace	---	---	---	---
1005: ALBION SANDY LOAM, 1 TO 3 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER Unnamed Wet Soils	No Yes	paleoterrace drainageway	2A,2B1,2B2, 2B3	YES	NO	NO
1011: ALBION-SHELLABARGER SANDY LOAMS, 1 TO 3 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER Unnamed Wet Soils	No Yes	paleoterrace drainageway	2A,2B1,2B2, 2B3	YES	NO	NO

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
1324: CARWAY AND CARBIKA SOILS, 0 TO 1 PERCENT SLOPES	CARWAY	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
	CARBIKA	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
1359: CLARK-OST LOAMS, 3 TO 7 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
	OST	No	paleoterrace	---	---	---	---
	Unnamed Wet Soils	Yes	drainageway	2A,2B1,2B3, 2B2	YES	NO	NO
1553: DARLOW-ELMER COMPLEX, 0 TO 2 PERCENT SLOPES	DARLOW	No	terrace	---	---	---	---
	ELMER	No	terrace	---	---	---	---
	PUNKIN	No	paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
	CARWAY	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
1555: DILLHUT-PLEV COMPLEX, 0 TO 2 PERCENT SLOPES	DILLHUT	No	dune, paleoterrace	---	---	---	---
	PLEV	Yes	depression, interdune, paleoterrace	2B2	YES	NO	NO
	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	WARNUT	Yes	interdune, depression, paleoterrace	3,2B3	YES	NO	YES
1556: DILLHUT-SOLVAY COMPLEX, 0 TO 3 PERCENT SLOPES	DILLHUT	No	dune, paleoterrace	---	---	---	---
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
1725: FARNUM AND FUNMAR LOAMS, 0 TO 1 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	FUNMAR	No	paleoterrace	---	---	---	---
	NARON	No	dune, paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
1726: FUNMAR AND FARNUM LOAMS, 1 TO 3 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	FUNMAR	No	paleoterrace	---	---	---	---
	NARON	No	dune, paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
1985: HAYES FINE SANDY LOAM, 1 TO 5 PERCENT SLOPES	HAYES	No	dune, paleoterrace	---	---	---	---
	ATTICA	No	dune, paleoterrace	---	---	---	---
	SALTCREEK	No	dune, paleoterrace	---	---	---	---

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
1986: HAYES-SOLVAY LOAMY FINE SANDS, 0 TO 5 PERCENT SLOPES	HAYES	No	dune, paleoterrace	---	---	---	---
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	3, 2B3	YES	NO	YES
	FARNUM	No	paleoterrace	---	---	---	---
1987: HAYES-TURON COMPLEX, 0 TO 5 PERCENT SLOPES	HAYES	No	dune, paleoterrace	---	---	---	---
	TURON	No	dune, paleoterrace	---	---	---	---
	NARON	No	dune, paleoterrace	---	---	---	---
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	2B3, 3	YES	NO	YES
1988: HAYES LOAMY FINE SAND, 5 TO 10 PERCENT SLOPES	HAYES	No	dune, paleoterrace	---	---	---	---
	PRATT	No	dune, paleoterrace	---	---	---	---
2381: KANZA-NINNECAH SANDY LOAMS, 0 TO 2 PERCENT SLOPES, COMMONLY FLOODED	KANZA	Yes	flood plain	2B3	YES	NO	NO
	NINNECAH	Yes	flood plain	2B3	YES	NO	NO
2556: LANGDON FINE SAND, 0 TO 15 PERCENT SLOPES	LANGDON	No	dune, paleoterrace	---	---	---	---
	TIVIN	No	dune, paleoterrace	---	---	---	---
	TURON	No	dune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	2B3, 3	YES	NO	YES
	WARNU	Yes	interdune, depression, paleoterrace	2B3, 3	YES	NO	YES
2958: NINNECAH FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES, OCCASIONALLY FLOODED	NINNECAH	Yes	flood plain	2B3	YES	NO	NO
	KANZA	Yes	flood plain	2B3	YES	NO	NO
3053: OST LOAM, 1 TO 3 PERCENT SLOPES	OST	No	paleoterrace	---	---	---	---
	SHELLABARGER CLARK	No	paleoterrace	---	---	---	---
	Unnamed Wet Soils	Yes	drainageway	2A, 2B1, 2B2, 2B3	YES	NO	NO
3180: PRATT FINE SAND, 5 TO 10 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	ATTICA	No	dune, paleoterrace	---	---	---	---
3181: PRATT-TURON FINE SANDS, 1 TO 5 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	TURON	No	dune, paleoterrace	---	---	---	---
	HAYES	No	dune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	3, 2B3	YES	NO	YES
	WARNU	Yes	interdune, depression, paleoterrace	2B3, 3	YES	NO	YES

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
3511: SALT CREEK AND NARON FINE SANDY LOAMS, 0 TO 1 PERCENT SLOPES	SALT CREEK	No	dune, paleoterrace	---	---	---	---
	NARON	No	dune, paleoterrace	---	---	---	---
3512: SALT CREEK AND NARON FINE SANDY LOAMS, 1 TO 3 PERCENT SLOPES	SALT CREEK	No	dune, paleoterrace	---	---	---	---
	NARON	No	dune, paleoterrace	---	---	---	---
	FUNMAR	No	paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
3520: SAXMAN LOAMY SAND, 0 TO 1 PERCENT SLOPES	TAVER	No	paleoterrace	---	---	---	---
	SAXMAN	No	flood plain	---	---	---	---
	WILLOWBROOK	No	flood plain	---	---	---	---
3540: SOLVAY LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	SOLVAY	No	interdune, paleoterrace	---	---	---	---
	HAYES	No	dune, paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
	CARWAY	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
3639: TAVER LOAM, 0 TO 1 PERCENT SLOPES	TAVER	No	paleoterrace	---	---	---	---
	SALT CREEK	No	dune, paleoterrace	---	---	---	---
	CARBIKA	Yes	depression, interdune, paleoterrace	3,2B3	YES	NO	YES
3640: TIVIN FINE SAND, 10 TO 30 PERCENT SLOPES	TIVIN	No	dune, paleoterrace	---	---	---	---
	LANGDON	No	dune, paleoterrace	---	---	---	---
	PLEV	Yes	depression, interdune, paleoterrace	2B2	YES	NO	NO
3641: TIVIN-DILLHUT FINE SANDS, 0 TO 15 PERCENT SLOPES	TIVIN	No	dune, paleoterrace	---	---	---	---
	DILLHUT	No	dune, paleoterrace	---	---	---	---
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
	WARNUT	Yes	interdune, depression, paleoterrace	2B3,3	YES	NO	YES
	PLEV	Yes	depression, interdune, paleoterrace	2B2	YES	NO	NO
3644: TURON-CARWAY COMPLEX, 0 TO 5 PERCENT SLOPES	TURON	No	dune, paleoterrace	---	---	---	---
	CARWAY	Yes	depression, interdune, paleoterrace	2B3,3	YES	NO	YES
	SOLVAY	No	interdune, paleoterrace	---	---	---	---
3926: WATER	WATER	Yes	---	3,4	NO	YES	YES
An: ALBION SANDY LOAM, 1 TO 4 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
At: ATTICA FINE SANDY LOAM, 1 TO 4 PERCENT SLOPES	ATTICA	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2A, 2B3, 3	YES	NO	YES
Ba: BLANKET SILT LOAM, 0 TO 1 PERCENT SLOPES	BLANKET	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 3, 2B3	YES	NO	YES
BIG: BIG SALT MARSH, LITTLE SALT MARSH, AND ASSOCIATED LOW AREAS	BIG SALT MARSH	Unranked	---	---	---	---	---
Ca: CARWILE FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	CARWILE	Yes	depression, paleoterrace	2A, 3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A, 2B3, 3	YES	NO	YES
Cw: CARWILE COMPLEX, 0 TO 1 PERCENT SLOPES	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2A, 2B3, 3	YES	NO	YES
Cx: CLARK LOAM, 1 TO 3 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
Dp: DILLWYN-PLEVNA COMPLEX, 0 TO 5 PERCENT SLOPES	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	PLEVNA	Yes	flood plain	2B3, 4	YES	YES	NO
	Unnamed wet soils	Yes	depression	3, 2B3	YES	NO	YES
Dt: DILLWYN-TIVOLI LOAMY FINE SANDS, 0 TO 15 PERCENT SLOPES	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	TIVOLI	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A, 3	YES	NO	YES
	PLEVNA	Yes	flood plain	2B3, 3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A, 2B3, 2B2, 3	YES	NO	YES
Fa: FARNUM FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2A, 3, 2B3	YES	NO	YES
Fr: FARNUM LOAM, 0 TO 2 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
GRP: GRAVEL PITS	GRAVEL PITS	Unranked	---	---	---	---	---
INT: AQUOLLS	AQUOLLS	Yes	depression, terrace	3, 2B3	YES	NO	YES
Kg: KINGMAN SILTY CLAY LOAM, OCCASIONALLY FLOODED	KINGMAN	Yes	flood plain	2B3	YES	NO	NO
M-W: MISCELLANEOUS WATER	MISCELLANEOUS WATER	---	---	---	---	---	---
Na: NARON FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	NARON	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	drainageway	4, 2B3, 2B2, 3, 2A	YES	YES	YES

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
NAA: NARON FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	NARON	No	dune,	---	---	---	---
	CARWILE	Yes	paleoterrace depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace depression	3, 2B3, 2A	YES	NO	YES
NBB: NARON FINE SANDY LOAM, 1 TO 3 PERCENT SLOPES	NARON	No	dune,	---	---	---	---
	CARWILE	Yes	paleoterrace depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace depression	2B3, 3, 2A	YES	NO	YES
Nu: NATRUSTOLLS, OCCASIONALLY FLOODED	NATRUSTOLLS	No	terrace	---	---	---	---
	PLEVNA	Yes	flood plain	2B3, 3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A, 2B3	YES	NO	NO
Pa: PLEVNA SOILS, FREQUENTLY FLOODED	PLEVNA	Yes	flood plain	2B3, 4	YES	YES	NO
	Unnamed wet soils	Yes	drainageway	2A, 2B3	YES	NO	NO
Pc: PLEVNA SOILS, CHANNELED	PLEVNA	Yes	flood plain	2B3, 4	YES	YES	NO
	Unnamed wet soils	Yes	drainageway	2A, 2B3	YES	NO	NO
Ph: PRATT LOAMY FINE SAND, 5 TO 10 PERCENT SLOPES	PRATT	No	dune,	---	---	---	---
	CARWILE	Yes	paleoterrace depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace depression	2A, 2B3, 3, 2B ₂	YES	NO	YES
Po: PRATT LOAMY FINE SAND, 1 TO 5 PERCENT SLOPES	PRATT	No	dune,	---	---	---	---
	CARWILE	Yes	paleoterrace depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace depression	2A, 2B2, 2B3, 3	YES	NO	YES
Pr: PRATT-CARWILE COMPLEX, 0 TO 8 PERCENT SLOPES	PRATT	No	dune,	---	---	---	---
	CARWILE	Yes	paleoterrace depression,	2A, 3	YES	NO	YES
	UNNAMED HYDRIC SOILS	Yes	paleoterrace depression	3, 2B3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A, 2B2	YES	NO	NO
Pt: PRATT-TIVOLI LOAMY FINE SANDS, 5 TO 15 PERCENT SLOPES	PRATT	No	dune,	---	---	---	---
	TIVOLI	No	paleoterrace	---	---	---	---
	CARWILE	Yes	dune, paleoterrace depression,	2A, 3	YES	NO	YES
	Unnamed wet soils	Yes	paleoterrace depression	2A, 2B3, 2B2, 3	YES	NO	YES
Ta: TABLER LOAM, 0 TO 1 PERCENT SLOPES	TABLER	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace depression	2B3, 3, 2A	YES	NO	YES
TAA: TABLER CLAY LOAM, 0 TO 1 PERCENT SLOPES	TABLER	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression,	2A	YES	NO	NO
	Unnamed wet soils	Yes	paleoterrace drainageway	2B3, 4, 3, 2A	YES	YES	YES

HYDRIC SOIL INTERPRETATIONS
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All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Tv: TIVOLI FINE SAND, 5 TO 20 PERCENT SLOPES	TIVOLI	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A, 3	YES	NO	YES
	Unnamed wet soils	Yes	depression	2A, 2B3, 3, 2B2	YES	NO	YES
W: WATER	WATER	Yes	---	4, 3	NO	YES	YES
	WALDECK	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A, 2B3	YES	NO	NO
Za: ZENDA-NATRUSTOLLS COMPLEX, OCCASIONALLY FLOODED	ZENDA	No	dune, paleoterrace	---	---	---	---
	NATRUSTOLLS	No	---	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
ZSS: ZENDA-DRUMMOND COMPLEX, OCCASIONALLY FLOODED	Unnamed wet soils	Yes	depression	3, 2B3, 2A	YES	NO	YES
	DRUMMOND	No	terrace	---	---	---	---
	ZENDA	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2B3, 2A, 3	YES	NO	YES

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.
Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

1. All Histosols except Folists, or
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:
 - a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or
 - b. poorly drained or very poorly drained and have either:
 - (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in), or for other soils
 - (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or
 - (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or
3. Soils that are frequently ponded for long duration or very long duration during the growing season, or
4. Soils that are frequently flooded for long duration or very long duration during the growing season.

