

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
033CP: CLAIREMONT LOAM, CHANNELED	CLAIREMONT	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3,4	YES	YES	NO
033OA: OBARO SILTY CLAY LOAM, 5 TO 12 PERCENT SLOPES	OBARO	No	hillslope	---	---	---	---
033OB: OBARO-ROCK OUTCROP COMPLEX, 10 TO 30 PERCENT SLOPES	OBARO	No	hillslope	---	---	---	---
	ROCK OUTCROP	Unranked	---	---	---	---	---
033QR: QUINLAN-WOODWARD LOAMS, 6 TO 15 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	WOODWARD	No	hillslope	---	---	---	---
033QT: QUINLAN-WOODWARD LOAMS, 15 TO 30 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	WOODWARD	No	hillslope	---	---	---	---
033YE: YAHOLA FINE SANDY LOAM, OCCASIONALLY FLOODED	YAHOLA	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B2,2B3,2A	YES	NO	NO
077BP: WOODWARD-PORT COMPLEX, 0 TO 20 PERCENT SLOPES	WOODWARD	No	hillslope	---	---	---	---
	PORT Unnamed wet soils	Unranked Yes	terrace depression	--- 2B3,3,2A,4	--- YES	--- YES	--- YES
077FU: FARNUM LOAM, 3 TO 6 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
077GE: GERLANE FINE SANDY LOAM, OCCASIONALLY FLOODED	GERLANE	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3,2B2,2A	YES	NO	NO
077MC: MINCO SILT LOAM, 0 TO 1 PERCENT SLOPES	MINCO	No	hillslope	---	---	---	---
077MN: MINCO SILT LOAM, 1 TO 3 PERCENT SLOPES	MINCO	No	hillslope	---	---	---	---
077MO: MINCO SILT LOAM, 3 TO 6 PERCENT SLOPES	MINCO	No	hillslope	---	---	---	---
077QU: QUINLAN LOAM, 3 TO 6 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
077SE: SHELLABARGER FINE SANDY LOAM, 1 TO 3 PERCENT SLOPES	SHELLABARGER	No	paleoterrace	---	---	---	---
077WE: WOODWARD-QUINLAN LOAMS, 1 TO 3 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	WOODWARD Unnamed wet soils	No Yes	hillslope drainageway	--- 2A,2B3	--- YES	--- NO	--- NO
095AC: ALBION SANDY LOAM, 3 TO 6 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
095DA: DILLWYN-PLEVNA COMPLEX, OCCASIONALLY FLOODED	DILLWYN	No	interdune, dune, paleoterrace	---	---	---	---
	PLEVNA Unnamed wet soils	Yes Yes	flood plain depression	2B3,4 2B3,2A,3	YES YES	YES NO	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
095FA: FARNUM SANDY LOAM, 0 TO 2 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2B3,3,2A	YES	NO	YES
095PB: PRATT LOAMY FINE SAND, 1 TO 5 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2A,2B3,3	YES	NO	YES
095SB: SHELLABARGER SANDY LOAM, 1 TO 3 PERCENT SLOPES	SHELLABARGER	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2B3,2A	YES	NO	NO
095WA: WALDECK FINE SANDY LOAM, OCCASIONALLY FLOODED	WALDECK	No	flood plain	---	---	---	---
	PLEVNA	Yes	flood plain	2B3	YES	NO	NO
	Unnamed wet soils	Yes	depression	3,2B3,2A,4	YES	YES	YES
097LN: LINCOLN SANDY LOAM, OCCASIONALLY FLOODED	LINCOLN	No	flood plain	---	---	---	---
	PLEVNA	Yes	depression	2B3,4	YES	YES	NO
	Unnamed wet soils	Yes	drainageway	2A,2B3,2B2	YES	NO	NO
097QW: QUINLAN-WOODWARD LOAMS, 6 TO 25 PERCENT SLOPES	QUINLAN	No	---	---	---	---	---
	WOODWARD	No	---	---	---	---	---
097WA: WALDECK LOAM, OCCASIONALLY FLOODED	WALDECK	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B2,2B3,2A	YES	NO	NO
	ALBION	No	paleoterrace	---	---	---	---
151AB: ALBION SANDY LOAM, 1 TO 4 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3,2A	YES	NO	NO
151AO: ALBION SANDY LOAM, 3 TO 7 PERCENT SLOPES, ERODED	ALBION	No	paleoterrace	---	---	---	---
151AS: ALBION AND SHELLABARGER SOILS, 7 TO 15 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER	No	paleoterrace	---	---	---	---
151BC: BLANKET SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES, ERODED	BLANKET	No	paleoterrace	---	---	---	---
151CA: CARWILE FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	CARWILE	Yes	depression	2A	YES	NO	NO
151CK: CASE-CLARK COMPLEX, 7 TO 15 PERCENT SLOPES	CASE	No	paleoterrace	---	---	---	---
	CLARK	No	paleoterrace	---	---	---	---
151CM: CLARK CLAY LOAM, 1 TO 4 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	4,3,2A	YES	YES	YES
151CN: CLARK FINE SANDY LOAM, 1 TO 3 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
151CO: CLARK-OST CLAY LOAMS, 0 TO 1 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
	OST	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
151FA: FARNUM CLAY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	FARNUM	No	paleoterrace	---	---	---	---
151KP: KANZA-PLEVNA COMPLEX, FREQUENTLY FLOODED	KANZA	Yes	flood plain	2B3	YES	NO	NO
	PLEVNA	Yes	flood plain	2B3,4	YES	YES	NO
151OS: OST CLAY LOAM, 1 TO 4 PERCENT SLOPES	OST	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	3,2B3,2A,4	YES	YES	YES
151PM: PRATT LOAMY FINE SAND, 3 TO 8 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	3,2B3,2A	YES	NO	YES
151PN: PRATT LOAMY FINE SAND, 8 TO 12 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
151PO: PRATT-CARWILE COMPLEX, 0 TO 5 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	3,2A	YES	NO	YES
	Unnamed wet soils	Yes	depression	3,2B3	YES	NO	YES
151SA: ALBION-KASKI COMPLEX, 0 TO 15 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	KASKI	No	flood plain	---	---	---	---
151SE: SHELLABARGER FINE SANDY LOAM, 1 TO 4 PERCENT SLOPES	SHELLABARGER	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3,2A	YES	NO	NO
1439: CRISFIELD SANDY LOAM, RARELY FLOODED	CRISFIELD	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2B3,2A	YES	NO	NO
Ad: ALBION-SHELLABARGER SANDY LOAMS, 2 TO 4 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER	No	paleoterrace	---	---	---	---
Ae: ALBION AND SHELLABARGER SOILS, 4 TO 15 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A,2B3	YES	NO	NO
AED: ARENTS, EARTHEN DAM	ARENTS, EARTHEN DAM	Unranked	---	---	---	---	---
AN: ALBION-SHELLABARGER SANDY LOAMS, 4 TO 15 PERCENT SLOPES	ALBION	No	paleoterrace	---	---	---	---
	SHELLABARGER	No	paleoterrace	---	---	---	---
As: CLAIREMONT SOILS, SALINE, CHanneled	CLAIREMONT	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	depression	2A,2B3,4	YES	YES	NO
At: ATTICA LOAMY FINE SAND, 1 TO 5 PERCENT SLOPES	ATTICA	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A,2B3,3	YES	NO	YES
Ba: BLANKET SILT LOAM, 0 TO 1 PERCENT SLOPES	BLANKET	No	paleoterrace	---	---	---	---
Bb: BLANKET SILT LOAM, 1 TO 3 PERCENT SLOPES	BLANKET	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
Bc: BLANKET SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES, ERODED	BLANKET	No	paleoterrace	---	---	---	---
Bf: QUINLAN-CLAIREMONT COMPLEX, 0 TO 50 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	CLAIREMONT Unnamed wet soils	No Yes	flood plain drainageway	--- 2A, 2B3	--- YES	--- NO	--- NO
Ca: CANADIAN FINE SANDY LOAM, RARELY FLOODED	CANADIAN	No	flood plain	---	---	---	---
Cc: CASE-CLARK CLAY LOAMS, 2 TO 6 PERCENT SLOPES	CASE	No	paleoterrace	---	---	---	---
	CLARK	No	paleoterrace	---	---	---	---
Cd: CLAIREMONT SILT LOAM, OCCASIONALLY FLOODED	CLAIREMONT	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A, 2B3, 4	YES	YES	NO
Cf: CLAIREMONT SOILS, CHANNELED	CLAIREMONT	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	4, 2B3, 2A	YES	YES	NO
Ck: CLARK CLAY LOAM, 0 TO 2 PERCENT SLOPES	CLARK	No	paleoterrace	---	---	---	---
Fa: FARNUM FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 3, 2B3	YES	NO	YES
Fm: FARNUM LOAM, 0 TO 1 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 3, 2B3	YES	NO	YES
Fr: FARNUM LOAM, 1 TO 3 PERCENT SLOPES	FARNUM	No	paleoterrace	---	---	---	---
Fu: FARNUM CLAY LOAM, 1 TO 3 PERCENT SLOPES, ERODED	FARNUM	No	paleoterrace	---	---	---	---
Ga: GRANT SILT LOAM, 0 TO 1 PERCENT SLOPES	GRANT	No	terrace	---	---	---	---
Gb: GRANT SILT LOAM, 1 TO 3 PERCENT SLOPES	GRANT	No	terrace	---	---	---	---
Gc: GRANT SILT LOAM, 3 TO 6 PERCENT SLOPES	GRANT	No	terrace	---	---	---	---
GRP: GRAVEL PITS	GRAVEL PITS	Unranked	---	---	---	---	---
INT: AQUOLLS	AQUOLLS	Yes	depression, terrace	3, 2B3	YES	NO	YES
Ka: KANZA SOILS, FREQUENTLY FLOODED	KANZA	Yes	flood plain	2B3	YES	NO	NO
Kf: KINGFISHER SILT LOAM, 1 TO 3 PERCENT SLOPES	KINGFISHER	No	hillslope	---	---	---	---
Kv: KINGFISHER-VERNON COMPLEX, 1 TO 3 PERCENT SLOPES	KINGFISHER	No	hillslope	---	---	---	---
	VERNON	No	hillslope	---	---	---	---
Kz: KINGFISHER-VERNON COMPLEX, 3 TO 6 PERCENT SLOPES	KINGFISHER	No	hillslope	---	---	---	---
	VERNON	No	hillslope	---	---	---	---

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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
Ln: LINCOLN SOILS, FREQUENTLY FLOODED	LINCOLN	No	flood plain	---	---	---	---
	KANZA Unnamed wet soils	Yes Yes	flood plain depression	2B2 2A, 2B2, 3, 4, 2B3	YES YES	NO YES	NO YES
LNN: LINCOLN LOAMY SAND, OCCASIONALLY FLOODED	LINCOLN	No	flood plain	---	---	---	---
	KANZA	Yes	depression	2B2	YES	NO	NO
Ma: MANGUM CLAY, OCCASIONALLY FLOODED	MANGUM	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	depression	3, 2B3, 2A	YES	NO	YES
Mg: MANGUM-DRUMMOND COMPLEX, RARELY FLOODED	MANGUM	No	flood plain	---	---	---	---
	DRUMMOND Unnamed wet soils	No Yes	terrace depression	--- 2A, 3, 2B3	--- YES	--- NO	--- YES
Mn: MINCO SILT LOAM, 0 TO 2 PERCENT SLOPES	MINCO	No	hillslope	---	---	---	---
Na: NARON FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	NARON	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 3, 2B3	YES	NO	YES
Nb: NARON FINE SANDY LOAM, 1 TO 3 PERCENT SLOPES	NARON	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A, 2B3, 3, 4	YES	YES	YES
Os: OST CLAY LOAM, 0 TO 1 PERCENT SLOPES	OST	No	paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
Ot: OST CLAY LOAM, 1 TO 3 PERCENT SLOPES	OST	No	paleoterrace	---	---	---	---
Pa: POND CREEK SILT LOAM, 0 TO 1 PERCENT SLOPES	POND CREEK	No	terrace	---	---	---	---
Pd: POND CREEK SILT LOAM, 1 TO 3 PERCENT SLOPES	POND CREEK	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A, 2B3, 4	YES	YES	NO
Ph: DALE SILT LOAM, RARELY FLOODED	DALE	No	terrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 2B3	YES	NO	NO
Pk: BUTTERMILK SILT LOAM, RARELY FLOODED	BUTTERMILK	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 2B3, 4	YES	YES	NO
Ps: PRATT LOAMY FINE SAND, 5 TO 10 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	CARWILE	Yes	depression, paleoterrace	2A	YES	NO	NO
	Unnamed wet soils	Yes	depression	2A, 2B3, 3, 2B 2	YES	NO	YES
Pt: PRATT-TIVOLI LOAMY FINE SANDS, 5 TO 15 PERCENT SLOPES	PRATT	No	dune, paleoterrace	---	---	---	---
	TIVOLI	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A, 2B3, 2B2, 3	YES	NO	YES
Qn: QUINLAN LOAM, 1 TO 3 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3, 2A	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
Qw: QUINLAN-WOODWARD COMPLEX, 5 TO 15 PERCENT SLOPES	QUINLAN	No	hillslope	---	---	---	---
	WOODWARD Unnamed wet soils	No Yes	hillslope drainageway	--- 2B3,4,2A	--- YES	--- YES	--- NO
Rb: KNOCO-SHALE OUTCROP COMPLEX, 15 TO 80 PERCENT SLOPES	KNOCO	No	hillslope	---	---	---	---
	ROCK OUTCROP Unnamed wet soils	Unranked Yes	--- drainageway	--- 2A,2B3	--- YES	--- NO	--- NO
Sb: SHELLABARGER SANDY LOAM, 3 TO 6 PERCENT SLOPES	SHELLABARGER	No	paleoterrace	---	---	---	---
SBB: SHELLABARGER FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	SHELLABARGER	No	paleoterrace	---	---	---	---
Sc: SHELLABARGER SANDY LOAM, 3 TO 6 PERCENT SLOPES, ERODED	SHELLABARGER	No	paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A,2B3,4	YES	YES	NO
Tv: TIVOLI FINE SAND, 5 TO 20 PERCENT SLOPES	TIVOLI	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	depression	2A,2B3,3,2B 2	YES	NO	YES
Vn: VERNON CLAY LOAM, 3 TO 5 PERCENT SLOPES	VERNON	No	hillslope	---	---	---	---
Vr: VERNON CLAY LOAM, 5 TO 15 PERCENT SLOPES	VERNON	No	hillslope	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A,2B3	YES	NO	NO
Vs: VERNON-KNOCO COMPLEX, 1 TO 5 PERCENT SLOPES	KNOCO	No	hillslope	---	---	---	---
	VERNON	No	hillslope	---	---	---	---
W: WATER	WATER	Unranked	---	---	---	---	---
Wa: WALDECK SANDY LOAM, OCCASIONALLY FLOODED	WALDECK	No	flood plain	---	---	---	---
	KANZA	Yes	flood plain	2B3	YES	NO	NO
Wo: WOODWARD-QUINLAN LOAMS, 0 TO 3 PERCENT SLOPES	WOODWARD	No	hillslope	---	---	---	---
	QUINLAN Unnamed wet soils	No Yes	hillslope drainageway	--- 2A,2B3	--- YES	--- NO	--- NO
Ws: WOODWARD-QUINLAN LOAMS, 3 TO 6 PERCENT SLOPES	WOODWARD	No	hillslope	---	---	---	---
	QUINLAN Unnamed wet soils	No Yes	hillslope drainageway	--- 2A,2B3	--- YES	--- NO	--- NO
Ya: YAHOLA SANDY LOAM, OCCASIONALLY FLOODED	YAHOLA	No	flood plain	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2B3,3,2A	YES	NO	YES
Ze: ZENDA CLAY LOAM, OCCASIONALLY FLOODED	ZENDA	No	dune, paleoterrace	---	---	---	---
	Unnamed wet soils	Yes	drainageway	2A,2B3	YES	NO	NO

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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

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.

