

Hydric Soil Interpretations

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. This listing includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

This list will have a number of agricultural and nonagricultural applications. These include assistance in land use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Federal Manual for Identifying and Delineating Jurisdictional Wetlands," 1989).

This section includes:

- **(a) Definition and Criteria of Hydric Soils**
- **(b) County list of Hydric Soils**

HYDRIC SOILS LIST
 Bates County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
10: Verdigris silt loam, channeled, frequently flooded	Verdigris	NO	drainageway		7,497
	Hepler	NO DATA	---	NO DATA	833
11: Verdigris silt loam, occasionally flooded	Verdigris	NO	flood plain		29,763
	Hepler	NO DATA	---	NO DATA	1,654
	Osage	NO DATA	flood plain	NO DATA	1,654
13: Okemah silt loam	Okemah	NO	drainageway		6,656
	Kenoma	NO DATA	---	NO DATA	626
	Summit	NO DATA	---	NO DATA	548
14: Osage silty clay loam, frequently flooded	Osage	YES	flood plain	2B3, 4	11,124
	Verdigris	NO DATA	---	NO DATA	1,236

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
21: Osage silty clay, frequently flooded	Osage	YES	flood plain	2B3, 4	18,572
	Verdigris	NO DATA	---	NO DATA	3,278
51B2: Deepwater silt loam, 2 to 5 percent slopes, eroded	Deepwater	NO	hillside		24,106
	Bates	NO DATA	---	NO DATA	1,418
	Eram	NO DATA	---	NO DATA	1,418
	Kenoma	NO DATA	---	NO DATA	1,418
52: Hepler silt loam, occasionally flooded	Hepler	NO	drainageway		4,654
	Verdigris	NO DATA	---	NO DATA	438
	Saturated Soils	NO DATA	stream terrace	NO DATA	383
53: Hepler silt loam, rarely flooded	Hepler	NO	drainageway		5,274
	Saturated Soils	NO DATA	stream terrace	NO DATA	293
	Verdigris	NO DATA	---	NO DATA	293

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
54B: Newtonia silt loam, 2 to 5 percent slopes	Newtonia	NO	hill, hillside		9,122
	Catoosa	NO DATA	---	NO DATA	1,014
55B: Catoosa silt loam, 2 to 5 percent slopes	Catoosa	NO	hill, hillside		3,944
	Clareson	NO DATA	---	NO DATA	139
	Eram	NO DATA	---	NO DATA	139
	Newtonia	NO DATA	---	NO DATA	139
	Rock Outcrops	NO DATA	---	NO DATA	139
	Summit	NO DATA	---	NO DATA	139
56B: Bates loam, 2 to 5 percent slopes	Bates	NO	hill		11,955
	Coweta	NO DATA	---	NO DATA	703
	Deepwater	NO DATA	---	NO DATA	703
	Eram	NO DATA	---	NO DATA	703

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
56C2: Bates loam, 3 to 8 percent slopes, eroded	Bates	NO	hill, hillside		5,550
	Coweta	NO DATA	---	NO DATA	326
	Deepwater	NO DATA	---	NO DATA	326
	Eram	NO DATA	---	NO DATA	326
58: Hartwell silt loam	Hartwell	NO	hill		35,829
	Deepwater	NO DATA	---	NO DATA	1,990
	Kenoma	NO DATA	---	NO DATA	1,990
60B: Kenoma silt loam, 1 to 4 percent slopes	Kenoma	NO	hill, hillside		164,066
	Deepwater	NO DATA	---	NO DATA	9,651
	Eram	NO DATA	---	NO DATA	9,651
	Hartwell	NO DATA	---	NO DATA	9,651

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
61B: Summit silty clay loam, 1 to 5 percent slopes	Summit	NO	hillside		43,320
	Eram	NO DATA	---	NO DATA	2,280
61C2: Summit silty clay loam, 5 to 9 percent slopes, eroded	Summit	NO	hillside		3,995
	Eram	NO DATA	---	NO DATA	210
63B2: Eram silt loam, 2 to 5 percent slopes, eroded	Eram	NO	hill, hillside		14,678
	Coweta	NO DATA	---	NO DATA	464
	Deepwater	NO DATA	---	NO DATA	309
63C: Eram silt loam, 5 to 9 percent slopes	Eram	NO	hillside		8,408
	Coweta	NO DATA	---	NO DATA	266
	Deepwater	NO DATA	---	NO DATA	177

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
65B: Clareson silty clay loam, 2 to 5 percent slopes	Clareson	NO	hill, hillside		3,693
	Balltown	NO DATA	---	NO DATA	174
	Catoosa	NO DATA	---	NO DATA	174
	Soils >40	NO DATA	---	NO DATA	174
	Eram	NO DATA	---	NO DATA	130
66B: Olpe gravelly silt loam, 2 to 5 percent slopes	Olpe	NO	hill, hillside		2,209
	Kenoma	NO DATA	---	NO DATA	265
	Areas W/gravel Removed	NO DATA	---	NO DATA	236
	Summit	NO DATA	---	NO DATA	236

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
68D: Coweta loam, 5 to 14 percent slopes	Coweta	NO	hill, hillside		15,729
	Bates	NO DATA	---	NO DATA	925
	Eram	NO DATA	---	NO DATA	925
	Sandstone Rock Outcrop	NO DATA	---	NO DATA	925
72E: Balltown very flaggy silt loam, 5 to 20 percent slopes	Balltown	NO	hill, hillside		5,924
	Catoosa	NO DATA	---	NO DATA	279
	Clareson	NO DATA	---	NO DATA	279
	Eram	NO DATA	---	NO DATA	279
	Limestone Rock Outcrop	NO DATA	---	NO DATA	209
73E: Eram-Balltown complex, 5 to 20 percent slopes	Eram	NO	hill, hillside		15,114
	Balltown	NO	hill, hillside		13,403

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
94F: Kanima very channery silty clay loam, 5 to 50 percent slopes	Kanima	NO	hill, hillside		7,965
	Coal Fragments	NO DATA	---	NO DATA	177
	Limestone Fragments	NO DATA	---	NO DATA	177
	Long, Narrow Water Bodies	NO DATA	depression	NO DATA	177
	Sandstone Fragments	NO DATA	---	NO DATA	177
	Shale Fragments	NO DATA	---	NO DATA	177
95B: Brazilton silt loam, 1 to 5 percent slopes	Brazilton	NO	hill, hillside		4,428
	Long, Narrow Water Bodies	NO DATA	depression	NO DATA	492
96: Pits, quarries	Pits	NO DATA	hillside	MISC. AREA	394
	Dumps	NO DATA	---	NO DATA	21
M-W: Miscellaneous water	Water	NO DATA	---	NO DATA	43

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Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
W: Water	Water	NO DATA	---	NO DATA	3,416