

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**

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
10C2: Armstrong loam, 4 to 9 percent slopes, eroded	Armstrong	NO	hill		47,761
	Belknap	NO DATA	---	NO DATA	503
	Gifford	NO DATA	stream terrace	NO DATA	503
	Leonard	NO DATA	till plain	NO DATA	503
	Severely Eroded Areas	NO DATA	---	NO DATA	503
	Twomile	NO DATA	stream terrace	NO DATA	503
10C3: Armstrong clay loam, 5 to 9 percent slopes, severely eroded	Armstrong	NO	hill		1,145
	Gullies	NO DATA	---	NO DATA	24
	Moderately Eroded Areas	NO DATA	---	NO DATA	24
	Poorly Drained Soils	NO DATA	depression	NO DATA	12

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
18F: Goss cobbly silt loam, 14 to 30 percent slopes	Goss	NO	hill		1,251
	Rock Outcrops	NO DATA	---	NO DATA	42
	Soils Shallow Over Bedrock	NO DATA	---	NO DATA	42
	Alluvial Soils	NO DATA	---	NO DATA	28
	Keswick	NO DATA	---	NO DATA	28
19B: Marion silt loam, 1 to 5 percent slopes	Marion	NO	hill		4,108
	Poorly Drained Soils	NO DATA	depression	NO DATA	85
	Keswick	NO DATA	---	NO DATA	42
22C2: Keswick silt loam, 5 to 9 percent slopes, eroded	Keswick	NO	hill		24,938
	Belknap	NO DATA	---	NO DATA	525
	Leonard	NO DATA	till plain	NO DATA	525
	Winnegan	NO DATA	---	NO DATA	262

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
22D2: Keswick loam, 9 to 14 percent slopes, eroded	Keswick	NO	hill		3,178
	Belknap	NO DATA	---	NO DATA	100
	Winnegan	NO DATA	---	NO DATA	67
23B2: Leonard silty clay loam, 2 to 4 percent slopes, eroded	Leonard	YES	hill	2B3	59,220
	Armstrong	NO DATA	---	NO DATA	1,316
	Belknap	NO DATA	---	NO DATA	1,316
	Chariton	NO DATA	stream terrace	NO DATA	1,316
	Severely Eroded Areas	NO DATA	till plain	NO DATA	1,316
	Twomile	NO DATA	stream terrace	NO DATA	1,316
24F: Winnegan silt loam, 14 to 30 percent slopes	Winnegan	NO	hill		1,852
	Belknap	NO DATA	---	NO DATA	58
	Goss	NO DATA	---	NO DATA	39

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
27B: Mexico silt loam, 1 to 3 percent slopes	Mexico	NO	hill		107,331
	Putnam	NO DATA	till plain	NO DATA	3,389
	Leonard	NO DATA	till plain	NO DATA	2,260
27B2: Mexico silty clay loam, 1 to 3 percent slopes, eroded	Mexico	NO	hill		66,543
	Putnam	NO DATA	till plain	NO DATA	2,101
	Leonard	NO DATA	till plain	NO DATA	1,401
28: Twomile silt loam, occasionally flooded	Twomile	YES	stream terrace	2B3	16,074
	Armstrong	NO DATA	---	NO DATA	893
	Belknap	NO DATA	---	NO DATA	893

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
33: Belknap silt loam, frequently flooded	Belknap	NO	flood plain		15,806
	Clayey Soils	NO DATA	---	NO DATA	558
	Gifford	NO DATA	stream terrace	NO DATA	558
	Ponded Soils	NO DATA	depression	NO DATA	558
	Soils W/thick Sandy Strata	NO DATA	---	NO DATA	558
	Twomile	NO DATA	stream terrace	NO DATA	558
34: Putnam silt loam	Putnam	YES	hill	2B3	55,904
	Ponded Soils	NO DATA	depression	NO DATA	1,141
45B: Gifford silt loam, 1 to 4 percent slopes	Gifford	YES	stream terrace	2B3	5,178
	Chariton	NO DATA	stream terrace	NO DATA	164
	Escarpments, Short & Steep	NO DATA	---	NO DATA	109

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
47: Chariton silt loam, rarely flooded	Chariton	YES	stream terrace	2B3	4,063
	Belknap	NO DATA	---	NO DATA	191
	Gifford	NO DATA	stream terrace	NO DATA	191
	Slopes, Short & Steep	NO DATA	---	NO DATA	191
	Ponded Soils	NO DATA	depression	NO DATA	143
56B: Jemerson silt loam, 1 to 3 percent slopes, rarely flooded	Jemerson	NO	flood plain		289
	Gifford	NO DATA	stream terrace	NO DATA	6
	Twomile	NO DATA	stream terrace	NO DATA	6
	Belknap	NO DATA	---	NO DATA	3

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
74C2: Winnegan clay loam, bedrock substratum, 5 to 9 percent slopes, eroded	Winnegan	NO	hill		622
	Belknap	NO DATA	---	NO DATA	13
	Soils Shallow Over Bedrock	NO DATA	---	NO DATA	13
	Cobbly Soils	NO DATA	---	NO DATA	7
74D2: Winnegan loam, bedrock substratum, 9 to 14 percent slopes, eroded	Winnegan	NO	hill		1,747
	Belknap	NO DATA	---	NO DATA	62
	Goss	NO DATA	---	NO DATA	62
	Twomile	NO DATA	stream terrace	NO DATA	62
	Rock Outcrops	NO DATA	---	NO DATA	41
	Slopes, Short & Steep	NO DATA	---	NO DATA	41
	Soils Shallow Over Bedrock	NO DATA	---	NO DATA	41

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
90B: Lenzburg silty clay loam, 1 to 5 percent slopes	Lenzburg	NO	hill		416
	Barren, Gullied, Nonvegetated	NO DATA	---	NO DATA	15
	Escarpments, Steep And 100' High	NO DATA	---	NO DATA	15
	Gravelly Soils	NO DATA	---	NO DATA	15
	Very Gravelly Soils	NO DATA	---	NO DATA	15
	Water Filled Pits	NO DATA	lake	NO DATA	15
90F: Lenzburg clay loam, 5 to 50 percent slopes	Lenzburg	NO	hill		1,122
	Armstrong	NO DATA	---	NO DATA	40
	Barren, Nonvegetated	NO DATA	---	NO DATA	40
	Highwalls, Nearly Vertical	NO DATA	---	NO DATA	40
	Slopes <5%	NO DATA	---	NO DATA	40
	Water Filled Pits	NO DATA	lake	NO DATA	40

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES CONSERVATION SERVICE

HYDRIC SOILS LIST
 Audrain County, Missouri

Map symbol and map unit name	Component	Hydric	Landform	Hydric criteria code	Component Acres
100: Udorthents, nearly level to strongly sloping	Udorthents	NO DATA	hill	NO DATA	89
M-W: Miscellaneous water	Water	NO DATA	---	MISC. AREA, NO DATA	1
W: Water	Water	NO DATA	---	MISC. AREA, NO DATA	166