

HYDRIC SOIL INTERPRETATIONS  
HYDRIC SOILS LIST  
McCook County, South Dakota

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
Ba: BALTIC SILTY CLAY LOAM	BALTIC	Yes	flood plain	2B3	YES	NO	NO
	CANISTEO DAVISON	Yes No	flood plain ---	2B3 ---	YES ---	NO ---	NO ---
Bb: BALTIC SILTY CLAY LOAM, PONDED	BALTIC	Yes	flood plain	2B3,3	YES	NO	YES
	DAVISON	No	---	---	---	---	---
BcE: BETTS LOAM, 15 TO 40 PERCENT SLOPES	BETTS	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
BdB: BLENDON LOAM, 0 TO 5 PERCENT SLOPES	BLENDON	No	---	---	---	---	---
	HAND	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	ARLO	Yes	flood plain	2B3	YES	NO	NO
Bo: BON LOAM	BON	No	---	---	---	---	---
	CHASKA	Yes	flood plain	4	NO	YES	NO
	LAMO	No	---	---	---	---	---
	CLAMO	Yes	flood plain	2B3	YES	NO	NO
Ca: CHASKA LOAM, CHANNELED	CHASKA	Yes	flood plain	4	NO	YES	NO
	BON CLAMO	No Yes	---	---	---	---	---
Cb: CLAMO SILTY CLAY LOAM	CLAMO	Yes	flood plain	2B3	YES	NO	NO
	BON	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	LAMO	No	---	---	---	---	---
CcB: CLARNO LOAM, 3 TO 6 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ETHAN	No	---	---	---	---	---
CcC: CLARNO LOAM, 6 TO 9 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	TETONKA	Yes	pothole	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
CdA: CLARNO-BONILLA LOAMS, 0 TO 3 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
CeB: CLARNO-DAVISON LOAMS, 2 TO 5 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CLARNO	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
CfA: CLARNO-DAVISON- CROSSPLAIN COMPLEX, 0 TO 2 PERCENT SLOPE S	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CLARNO	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
ChB: CLARNO-ETHAN LOAMS, 3 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	CLARNO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
Ck: CROSSPLAIN CLAY LOAM	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	DAVISON	No	---	---	---	---	---
Co: CROSSPLAIN-CLARNO COMPLEX	CLARNO	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
Cr: CROSSPLAIN-DUDLEY COMPLEX	CLARNO	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	DUDLEY	No	---	---	---	---	---
DaA: DAVIS LOAM, 0 TO 3 PERCENT SLOPES	CLARNO	Yes	pothole	2B3,3	YES	NO	YES
	DAVIS	No	---	---	---	---	---
	CLAMO	Yes	flood plain	2B3	YES	NO	NO
DaB: DAVIS LOAM, 3 TO 6 PERCENT SLOPES	LAMO	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	LAMO	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
Dd: DAVISON-CROSSPLAIN CLAY LOAMS, 0 TO 2 PERCENT SLOPES	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	WENTWORTH	No	---	---	---	---	---
DeB: DELMONT LOAM, 3 TO 6 PERCENT SLOPES	TRENT	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	HAND	No	---	---	---	---	---
DnA: DELMONT-ENET LOAMS, 0 TO 3 PERCENT SLOPES	BLENDON	No	---	---	---	---	---
	ARLO	Yes	flood plain	2B3	YES	NO	NO
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
EaC: EGAN-ETHAN COMPLEX, 5 TO 9 PERCENT SLOPES	BLENDON	No	---	---	---	---	---
	ARLO	Yes	flood plain	2B3	YES	NO	NO
	EGAN	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
Ebc: ETHAN LOAM, 6 TO 9 PERCENT SLOPES	TRENT	No	---	---	---	---	---
	WHITEWOOD	Yes	flood plain	2A	YES	NO	NO
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	ETHAN	No	---	---	---	---	---
EcD: ETHAN-BETTS LOAMS, 9 TO 15 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ETHAN	No	---	---	---	---	---
HaB: HAND LOAM, 3 TO 6 PERCENT SLOPES	BETTS	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
HbA: HAND-BONILLA LOAMS, 0 TO 3 PERCENT SLOPES	HAND	No	---	---	---	---	---
	BLENDON	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
	HAND	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
HcB: HAND-DAVISON LOAMS, 2 TO 5 PERCENT SLOPES	HAND	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	CROSSPLAIN TETONKA	No Yes	---	pothole	2B3,3	YES	NO
HdA: HAND-DAVISON-CROSSPLAIN COMPLEX, 0 TO 2 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	HAND	No	---	---	---	---	---
	DAVISON CROSSPLAIN	No No	---	---	---	---	---
HeB: HAND-ETHAN LOAMS, 3 TO 6 PERCENT SLOPES	HAND	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN TETONKA	No Yes	---	pothole	2B3,3	YES	NO
HuA: HUNTIMER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	HUNTIMER	No	---	---	---	---	---
	BENCLARE	No	---	---	---	---	---
	EGAN	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CHANCELLOR TETONKA	Yes Yes	---	flood plain pothole	2A 2B3,3	YES YES	NO NO
La: LAMO SILTY CLAY LOAM	LAMO	No	---	---	---	---	---
	SALMO	Yes	flood plain	2B3	YES	NO	NO
M-W: MISCELLANEOUS WATER	MISCELLANEOUS WATER	---	---	---	---	---	---
Sa: SALMO SILTY CLAY LOAM	SALMO	Yes	flood plain	2B3	YES	NO	NO
	LAMO	No	---	---	---	---	---
	CHASKA	Yes	flood plain	4	NO	YES	NO
	BON	No	---	---	---	---	---
TaD: TALMO-BETTS LOAMS, 6 TO 15 PERCENT SLOPES	TALMO	No	---	---	---	---	---
	BETTS	No	---	---	---	---	---
	BLENDON	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	ARLO	Yes	flood plain	2B3	YES	NO	NO
Tb: TETONKA SILT LOAM	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CANISTEO	Yes	flood plain	2B3	YES	NO	NO
	DAVISON	No	---	---	---	---	---
Tc: TETONKA-CANISTEO COMPLEX	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CANISTEO	Yes	flood plain	2B3	YES	NO	NO
	DAVISON	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Td: TRENT SILT LOAM, 0 TO 2 PERCENT SLOPES	TRENT	No	---	---	---	---	---
	WHITEWOOD	Yes	flood plain	2A	YES	NO	NO
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
TeD: TALMO SOILS, 6 TO 15 PERCENT SLOPES	WORTHING	Yes	pothole	3,2B3	YES	NO	YES
	TALMO	No	---	---	---	---	---
	AQUENTS, GRAVELLY	Yes	---	3,2B2	YES	NO	YES
W: WATER	ORTHERENTS, GRAVELLY	---	---	---	---	---	---
	ARLO	Yes	flood plain	2B3	YES	NO	NO
	WATER	Unranked	---	---	---	---	---
WaA: WENTWORTH SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	WENTWORTH	No	---	---	---	---	---
	TRENT	No	---	---	---	---	---
	WHITEWOOD	Yes	flood plain	2A	YES	NO	NO
WbB: WENTWORTH SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	WORTHING	Yes	pothole	3,2B3	YES	NO	YES
	WENTWORTH	No	---	---	---	---	---
WcB: WENTWORTH-ETHAN COMPLEX, 2 TO 5 PERCENT SLOPES	ETHAN	No	---	---	---	---	---
	TRENT	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
WdA: WENTWORTH-TRENT-TETONKA COMPLEX, 0 TO 3 PERCENT SLOPES	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	WENTWORTH	No	---	---	---	---	---
	TRENT	No	---	---	---	---	---
Wh: WHITEWOOD SILT LOAM	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	WHITEWOOD	Yes	flood plain	2A	YES	NO	NO
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
Wo: WORTHING SILTY CLAY LOAM	TRENT	No	---	---	---	---	---
	WORTHING	Yes	pothole	3,2B3	YES	NO	YES
	DAVISON	No	---	---	---	---	---
	WHITEWOOD	Yes	flood plain	2A	YES	NO	NO

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				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 an 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.

