

HYDRIC SOIL INTERPRETATIONS  
HYDRIC SOILS LIST  
Bennett 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
Aa: LOHMILLER SILTY CLAY LOAM, CHanneLED, 0 TO 2 PERCENT SLOPES	LOHMILLER	No	---	---	---	---	---
	BANKARD	No	---	---	---	---	---
	HAVERSON	No	---	---	---	---	---
AlB: ALTVAN LOAM, 0 TO 5 PERCENT SLOPES	LAMO	Yes	flood plain	2A	YES	NO	NO
	ALTVAN	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
AnB: ANSELMO FINE SANDY LOAM, 0 TO 5 PERCENT SLOPES	TUTHILL	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
AtE: ANSELMO-TASSEL FINE SANDY LOAMS, 9 TO 18 PERCENT SLOPES	MOBRIDGE	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	LAMO	Yes	flood plain	2A	YES	NO	NO
	LOUP	Yes	pothole	2B3	YES	NO	NO
	ANSELMO	No	---	---	---	---	---
Bk: BANKARD LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	TASSEL	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
Bo: BLOWN-OUT LAND	BANKARD	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
CnF: CANYON-ROCK OUTCROP ASSOCIATION, 18 TO 40 PERCENT SLOPES	HAVERSON	No	---	---	---	---	---
	ORTHENTS, HUMMOCKY	Unranked	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
CnF: CANYON-ROCK OUTCROP ASSOCIATION, 18 TO 40 PERCENT SLOPES	VALENTINE	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	ROCK OUTCROP, SANDSTONE	Unranked	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
	OGLALA	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
TASSEL	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
CoF: CANYON-UGLALA LOAMS, 18 TO 40 PERCENT SLOPES	CANYON	No	---	---	---	---	---
	UGLALA	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
	ULYSSES	No	---	---	---	---	---
Cr: CANYON-ROCK OUTCROP COMPLEX, 18 TO 40 PERCENT SLOPES	ROCK OUTCROP	Unranked	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	ROCK OUTCROP, SANDY	Unranked	---	---	---	---	---
	COLBY	No	---	---	---	---	---
	UGLALA	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	ULYSSES	No	---	---	---	---	---
CyD2: CANYON-ROSEBUD LOAMS, 3 TO 12 PERCENT SLOPES	CANYON	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
DKA: DAWES-KEITH SILT LOAMS, 0 TO 3 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	ALTVAN	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3, 3	YES	NO	YES
DrB: DAWES-RICHFIELD SILT LOAMS, 0 TO 5 PERCENT SLOPES	RICHFIELD	No	---	---	---	---	---
	ULYSSES	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	RICHFIELD	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
DsB: DUNDAY LOAMY FINE SAND, 0 TO 6 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	LOUP	Yes	pothole	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
DtA: DUNDAY-ANSELMO COMPLEX, 0 TO 3 PERCENT SLOPES	DUNDAY	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
DtC: DUNDAY-ANSELMO COMPLEX, 3 TO 9 PERCENT SLOPES	LOUP	Yes	pothole	2B3	YES	NO	NO
	DUNDAY	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
Du: DUNDAY-ELSMERE LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	VETAL	No	---	---	---	---	---
	LOUP	Yes	pothole	2B3	YES	NO	NO
	DUNDAY	No	---	---	---	---	---
	ELSMERE	No	---	---	---	---	---
DvB: DUNDAY-VALENTINE COMPLEX, 0 TO 5 PERCENT SLOPES	LOUP	Yes	pothole	2B3	YES	NO	NO
	VALENTINE	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
EhF: EPPING-KADOKA ASSOCIATION, 9 TO 40 PERCENT SLOPES	ELSMERE	No	---	---	---	---	---
	Sand	Unranked	---	---	---	---	---
	Blowouts	ed	---	---	---	---	---
	LOUP	Yes	pothole	2B3	YES	NO	NO
	EPPING	No	---	---	---	---	---
	KADOKA	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
Ga: GANNETT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	MOBRIDGE	No	---	---	---	---	---
	ROCK	Unranked	---	---	---	---	---
	OUTCROP, SANDSTONE	ed	---	---	---	---	---
GoA: MOBRIDGE SILT LOAM, 0 TO 3 PERCENT SLOPES	GANNETT	Yes	flood plain	2B3	YES	NO	NO
	AQUOLLS	Yes	pothole	2B3, 3	YES	NO	YES
GoA: MOBRIDGE SILT LOAM, 0 TO 3 PERCENT SLOPES	LOUP	Yes	pothole	2B3	YES	NO	NO
	MOBRIDGE	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	OGLALA	No	---	---	---	---	---
	RICHFIELD	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3, 3	YES	NO	YES
ROSEBUD	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
GoB: MOBRIDGE SILT LOAM, 3 TO 6 PERCENT SLOPES	MOBRIDGE	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	OGLALA	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
Gr: NIHILL GRAVELLY LOAM, 9 TO 40 PERCENT SLOPES	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	NIHILL	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
HaA: HAVERSON LOAM, 0 TO 3 PERCENT SLOPES	TASSEL	No	---	---	---	---	---
	HAVERSON	No	---	---	---	---	---
	MOSHER	No	---	---	---	---	---
HtB: HOLT-TUTHILL FINE SANDY LOAMS, 0 TO 5 PERCENT SLOPES	LAMO	Yes	flood plain	2A	YES	NO	NO
	HOLT	No	---	---	---	---	---
	TUTHILL	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
HtC: HOLT-TUTHILL FINE SANDY LOAMS, 5 TO 9 PERCENT SLOPES	TASSEL	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	TUTHILL	No	---	---	---	---	---
Hv: HOVEN SILT LOAM, 0 TO 1 PERCENT SLOPES	ANSELMO	No	---	---	---	---	---
	TASSEL	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
KaB: KADOKA SILT LOAM, 3 TO 5 PERCENT SLOPES	MOSHER	No	---	---	---	---	---
	KADOKA	No	---	---	---	---	---
	EPPING	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
KeA: KEITH SILT LOAM, 0 TO 3 PERCENT SLOPES	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	KEITH	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
KeB: KEITH SILT LOAM, 3 TO 5 PERCENT SLOPES	RICHFIELD	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	KEITH	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
	RICHFIELD	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	ULYSSES	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
KhD: KEITH-COLBY SILT LOAMS, 9 TO 12 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
	ULYSSES CANYON	No	---	---	---	---	---
KrA: KEITH-ROSEBUD SILT LOAMS, 0 TO 2 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	MOBRIDGE HOVEN	Yes	pothole	2B3,3	YES	NO	YES
KrB: KEITH-ROSEBUD SILT LOAMS, 2 TO 6 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	ROSEBUD CANYON	No	---	---	---	---	---
	HOVEN MOBRIDGE	Yes	pothole	2B3,3	YES	NO	YES
KuC: KEITH-ULYSSES SILT LOAMS, 5 TO 9 PERCENT SLOPES	KEITH	No	---	---	---	---	---
	ULYSSES CANYON	No	---	---	---	---	---
	COLBY HOVEN MOBRIDGE	Yes	pothole	2B3,3	YES	NO	YES
La: LAMO SILT LOAM, 0 TO 2 PERCENT SLOPES	LAMO	Yes	flood plain	2A	YES	NO	NO
	ELSMERE LOUP	No	---	---	---	---	---
	MOSHER	Yes	pothole	2B3	YES	NO	NO
Lo: LOUP FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	LOUP	Yes	pothole	2B3	YES	NO	NO
	DUNDAY	No	---	---	---	---	---
	ELSMERE GANNETT LAMO	Yes	flood plain	2B3	YES	NO	NO
Ma: MARSH	AQUOLLS	Yes	pothole	2B3,3	YES	NO	YES
	LOUP	Yes	pothole	2B3	YES	NO	NO
Me: MINATARE LOAM, 0 TO 2 PERCENT SLOPES	MINATARE	No	---	---	---	---	---
	MOSHER	No	---	---	---	---	---
	LAMO LOUP	Yes	flood plain	2A	YES	NO	NO
		Yes	pothole	2B3	YES	NO	NO

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Mm: MOSHER-MINATARE COMPLEX, 0 TO 6 PERCENT SLOPES	MOSHER	No	---	---	---	---	---
	MINATARE LAMO	No Yes	--- flood plain	--- 2A	--- YES	--- NO	--- NO
OcE: OGLALA-CANYON LOAMS, 9 TO 18 PERCENT SLOPES	OGLALA	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
	ROSEBUD	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
	KEITH ULYSSES	No No	--- ---	--- ---	--- ---	--- ---	--- ---
OrA: OGLALA-ROSEBUD SILT LOAMS, 0 TO 3 PERCENT SLOPES	OGLALA	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	MOBRIDGE ROSEBUD	No No	--- ---	--- ---	--- ---	--- ---	--- ---
OrB: OGLALA-ROSEBUD SILT LOAMS, 3 TO 6 PERCENT SLOPES	OGLALA	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	ULYSSES ROSEBUD	No No	--- ---	--- ---	--- ---	--- ---	--- ---
RkA: RICHFIELD-KEITH SILT LOAMS, 0 TO 2 PERCENT SLOPES	RICHFIELD	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3, 3	YES	NO	YES
	MOBRIDGE KEITH	No No	--- ---	--- ---	--- ---	--- ---	--- ---
RkB: RICHFIELD-KEITH SILT LOAMS, 2 TO 6 PERCENT SLOPES	RICHFIELD	No	---	---	---	---	---
	KEITH	No	---	---	---	---	---
	CANYON	No	---	---	---	---	---
	COLBY	No	---	---	---	---	---
	DAWES	No	---	---	---	---	---
	HOVEN	Yes	pothole	3, 2B3	YES	NO	YES
	MOBRIDGE ROSEBUD	No No	--- ---	--- ---	--- ---	--- ---	--- ---
TaF: TASSEL-ANSELMO FINE SANDY LOAMS, 18 TO 40 PERCENT SLOPES	TASSEL	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	VALENTINE VETAL	No No	--- ---	--- ---	--- ---	--- ---	--- ---

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
TnB: TUTHILL-ANSELMO FINE SANDY LOAMS, 0 TO 5 PERCENT SLOPES	ANSELMO	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	TUTHILL	No	---	---	---	---	---
TnC: TUTHILL-ANSELMO FINE SANDY LOAMS, 5 TO 9 PERCENT SLOPES	DUNDAY	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	TASSEL	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	TUTHILL	No	---	---	---	---	---
VaC: VALENTINE FINE SAND, ROLLING	VALENTINE	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	ELSMERE	No	---	---	---	---	---
	TASSEL	No	---	---	---	---	---
VaD: VALENTINE FINE SAND, HILLY	LOUP	Yes	pothole	2B3	YES	NO	NO
	VALENTINE	No	---	---	---	---	---
VeD: VALENTINE-TASSEL COMPLEX, HILLY	DUNDAY	No	---	---	---	---	---
	TASSEL	No	---	---	---	---	---
	VALENTINE	No	---	---	---	---	---
VgA: VETAL-MOBRIDGE COMPLEX, 0 TO 3 PERCENT SLOPES	TASSEL	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	VETAL	No	---	---	---	---	---
	MOBRIDGE	No	---	---	---	---	---
VhD: VETAL-HOLT FINE SANDY LOAMS, 6 TO 15 PERCENT SLOPES	VETAL	No	---	---	---	---	---
	HOLT	No	---	---	---	---	---
	ANSELMO	No	---	---	---	---	---
	DUNDAY	No	---	---	---	---	---
	TASSEL	No	---	---	---	---	---
w: WATER LESS THAN 40 ACRES	TUTHILL	No	---	---	---	---	---
	WATER (LESS THAN 40 ACRES)	Unranked	---	---	---	---	---

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
ww: WATER GREATER THAN 40 ACRES	WATER (GREATER THAN 40 ACRES)	Unranked	---	---	---	---	---

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, Albolis 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.

