

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Beadle 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 todetermine 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
Ao: WORTHING SILT LOAM, PONDED	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
BaA: BEADLE LOAM, 0 TO 2 PERCENT SLOPES	BEADLE	No	ground moraine	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	JERAULD	No	---	---	---	---	---
	STICKNEY	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
BaB: BEADLE LOAM, 2 TO 6 PERCENT SLOPES	BEADLE	No	ground moraine	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	STICKNEY	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
BaC: BEADLE LOAM, 6 TO 9 PERCENT SLOPES	BEADLE	No	ground moraine	---	---	---	---
	BETTS	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
BdA: BEADLE-DUDLEY COMPLEX, 0 TO 2 PERCENT SLOPES	BEADLE	No	ground moraine	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	JERAULD	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
BeD: BETTS STONY LOAM, 6 TO 40 PERCENT SLOPES	BETTS	No	ridge	---	---	---	---
	HAND	No	---	---	---	---	---
	HOUDEK	No	---	---	---	---	---
BfD: BETTS-ETHAN LOAMS, 9 TO 21 PERCENT SLOPES	BETTS	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	HAND	No	---	---	---	---	---
	HOUDEK	No	---	---	---	---	---
BnA: BLENDON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	BLENDON	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	FORESTBURG	No	---	---	---	---	---
	SHUE	No	---	---	---	---	---
Bo: BON SILT LOAM	BON	No	---	---	---	---	---
	EGAS	Yes	flood plain	2B3	YES	NO	NO
	DURRSTEIN	Yes	flood plain	2B3	YES	NO	NO
Bx: BON SILT LOAM, CHANNELED	BON	No	---	---	---	---	---
	EGAS	Yes	flood plain	2B3	YES	NO	NO
	DURRSTEIN	Yes	flood plain	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
CaA: CARTHAGE FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	CARTHAGE	No	---	---	---	---	---
	FORESTBURG LOUP SHUE	No Yes No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
CaB: CARTHAGE FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	CARTHAGE	No	---	---	---	---	---
	FORESTBURG LOUP SHUE	No Yes No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
CaC: CARTHAGE FINE SANDY LOAM, 6 TO 9 PERCENT SLOPES	CARTHAGE	No	---	---	---	---	---
	BETTS ETHAN HAND TETONKA	No No No Yes	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
CbA: CARTHAGE-BLENDON FINE SANDY LOAMS, 0 TO 2 PERCENT SLOPES	CARTHAGE	No	---	---	---	---	---
	BLENDON ELSMERE FORESTBURG LOUP SHUE	No No No Yes No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
CbB: CARTHAGE-BLENDON FINE SANDY LOAMS, 2 TO 6 PERCENT SLOPES	CARTHAGE	No	---	---	---	---	---
	BLENDON ELSMERE FORESTBURG LOUP SHUE	No No No Yes No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
DaB: DAVIS LOAM, 2 TO 9 PERCENT SLOPES	DAVIS	No	---	---	---	---	---
DeA: DELMONT LOAM, 0 TO 2 PERCENT SLOPES	DELMONT	No	---	---	---	---	---
	GRAT SPOTTSWOOD	Yes No	---	---	---	---	---
DFB: DELMONT-TALMO COMPLEX, 2 TO 6 PERCENT SLOPES	DELMONT	No	---	---	---	---	---
	TALMO GRAT SPOTTSWOOD	No Yes No	---	---	---	---	---
	DOGER	No	---	---	---	---	---
Dg: DOGER LOAMY FINE SAND	DOGER	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	FORESTBURG	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
DkA: DUDLEY-JERAULD SILT LOAMS, 0 TO 3 PERCENT SLOPES	DUDLEY	No	---	---	---	---	---
	JERAULD	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
DsA: DUDLEY-STICKNEY SILT LOAMS, 0 TO 3 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	DUDLEY	No	---	---	---	---	---
	STICKNEY	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
DtA: DUDLEY-TETONKA SILT LOAMS	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	JERAULD	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	DUDLEY	No	---	---	---	---	---
Du: DURRSTEIN SILT LOAM	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	DAVISON	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	JERAULD	No	---	---	---	---	---
Eg: EGAS SILTY CLAY LOAM	PROSPER	No	---	---	---	---	---
	DURRSTEIN	Yes	flood plain	2B3	YES	NO	NO
	EGAS	Yes	flood plain	2B3	YES	NO	NO
Em: ELSMERE LOAMY FINE SAND, LOAMY SUBSTRATUM	GRAT	Yes	flood plain	2B3	YES	NO	NO
	EGAS	Yes	flood plain	2B3	YES	NO	NO
	DURRSTEIN	Yes	flood plain	2B3	YES	NO	NO
EnA: ENET LOAM, 0 TO 2 PERCENT SLOPES	ELSMERE	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	FORESTBURG	No	---	---	---	---	---
EnB: ENET LOAM, 2 TO 6 PERCENT SLOPES	LOUP	Yes	pothole	2B2	YES	NO	NO
	ENET	No	---	---	---	---	---
	GRAT	Yes	flood plain	2B3	YES	NO	NO
FoA: FORESTBURG LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	SPOTTSWOOD	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	GRAT	Yes	flood plain	2B3	YES	NO	NO
	SPOTTSWOOD	No	---	---	---	---	---
	FORESTBURG	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	LOUP	Yes	pothole	2B2	YES	NO	NO
	SHUE	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
FoB: FORESTBURG LOAMY FINE SAND, 3 TO 6 PERCENT SLOPES	FORESTBURG	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	LOUP SHUE	Yes No	pothole	2B2	YES	NO	NO
FrA: FORESTBURG-DOGER LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	FORESTBURG	No	---	---	---	---	---
	DOGER	No	---	---	---	---	---
	BLENDON	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	LOUP SHUE	Yes No	pothole	2B2	YES	NO	NO
FrB: FORESTBURG-DOGER LOAMY FINE SANDS, 3 TO 6 PERCENT SLOPES	FORESTBURG	No	---	---	---	---	---
	DOGER	No	---	---	---	---	---
	BLENDON	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	LOUP SHUE	Yes No	pothole	2B2	YES	NO	NO
Ga: GRAT LOAM	GRAT	Yes	flood plain	2B3	YES	NO	NO
	ENET	No	---	---	---	---	---
	SPOTTSWOOD	No	---	---	---	---	---
GbA: BEND SILT LOAM, 0 TO 2 PERCENT SLOPES	BEND	No	---	---	---	---	---
	EDWIN TETONKA	No Yes	pothole	2B3, 3	YES	NO	YES
GzB: BEND-EDWIN SILT LOAMS, 2 TO 6 PERCENT SLOPES	BEND	No	---	---	---	---	---
	EDWIN	No	---	---	---	---	---
HaA: HAND-BONILLA LOAMS, 0 TO 3 PERCENT SLOPES	HAND	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	2B3, 3	YES	NO	YES
	STICKNEY TETONKA	No Yes	pothole	2B3, 3	YES	NO	YES
HaB: HAND-BONILLA LOAMS, 3 TO 6 PERCENT SLOPES	HAND	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	2B3, 3	YES	NO	YES
	STICKNEY TETONKA	No 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
HbC: HAND-ETHAN LOAMS, 6 TO 9 PERCENT SLOPES	HAND	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
HcB: HOUDEK STONY LOAM, 0 TO 9 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	TALMO	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
HdB: HOUDEK-DUDLEY COMPLEX, 3 TO 6 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	DUDLEY	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	JERAULD	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
HeB: HOUDEK-ETHAN LOAMS, 2 TO 6 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	TALMO	No	---	---	---	---	---
HeC: HOUDEK-ETHAN LOAMS, 6 TO 9 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	TALMO	No	---	---	---	---	---
HoA: HOUDEK-PROSPER LOAMS, 0 TO 2 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	PROSPER	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	TETONKA	Yes	pothole	3,2B3	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
HoB: HOUDEK-PROSPER LOAMS, 2 TO 6 PERCENT SLOPES	HOUDEK	No	---	---	---	---	---
	PROSPER	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
	STICKNEY	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
Hv: HOVEN SILT LOAM	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
La: LADELLE SILT LOAM	LADELLE	No	---	---	---	---	---
	EGAS	Yes	flood plain	2B3	YES	NO	NO
	LAMO	No	---	---	---	---	---
Lm: LAMO SILT LOAM	LAMO	No	---	---	---	---	---
	EGAS	Yes	flood plain	2B3	YES	NO	NO
LnA: LANE SILT LOAM, 0 TO 2 PERCENT SLOPES	LANE	No	---	---	---	---	---
	JERAULD	No	---	---	---	---	---
	STICKNEY	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
Lo: LOUP LOAMY FINE SAND	LOUP	Yes	pothole	2B2	YES	NO	NO
	SHUE	No	---	---	---	---	---
M-W: MISCELLANEOUS WATER	MISCELLANEOU S WATER	---	---	---	---	---	---
Mo: MOBRIDGE SILT LOAM	MOBRIDGE	No	---	---	---	---	---
	LANE	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
OkB: OKO CLAY LOAM, 3 TO 9 PERCENT SLOPES	OKO	No	---	---	---	---	---
	LANE	No	---	---	---	---	---
OkD: OKO CLAY LOAM, 9 TO 21 PERCENT SLOPES	OKO	No	---	---	---	---	---
	LANE	No	---	---	---	---	---
Pg: ORTHENTS, GRAVELLY	ORTHENTS, GRAVELLY	Unrank ed	---	---	---	---	---
PrA: PROSPER-DAVISON LOAMS, 0 TO 3 PERCENT SLOPES	PROSPER	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	DUDLEY	No	ground moraine	---	---	---	---
	HOUDEK	No	---	---	---	---	---
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	STICKNEY	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
Sh: SHUE LOAMY FINE SAND	SHUE	No	---	---	---	---	---
	CARTHAGE	No	---	---	---	---	---
	FORESTBURG	No	---	---	---	---	---
	LOUP	Yes	pothole	2B2	YES	NO	NO
Sp: SPOTTSWOOD LOAM	SPOTTSWOOD	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	GRAT	Yes	flood plain	2B3	YES	NO	NO
St: STICKNEY-JERAULD SILT LOAM	STICKNEY	No	---	---	---	---	---
	JERAULD	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	HOVEN	Yes	pothole	2B3,3	YES	NO	YES
Ta: TETONKA LOAMY FINE SAND, OVERBLOWN	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
Te: TETONKA-HOVEN SILT LOAMS	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
	HOVEN	Yes	pothole	3,2B3	YES	NO	YES
	DAVISON	No	---	---	---	---	---
W: WATER	DUDLEY	No	ground moraine	---	---	---	---
	WATER	Unranked	---	---	---	---	---
ZeC: EDWIN SILT LOAM, 6 TO 12 PERCENT SLOPES	EDWIN	No	---	---	---	---	---
	BEND	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.

