

Ag. Waste Application and Excavated Ponds  
Meade County, South Dakota,  
Northern Part

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AbB: Abor-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 0.68 0.42 0.40	Very limited Deep to water	1.00
AbC: Abor-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 0.68 0.42 0.40	Very limited Deep to water	1.00
AlB: Absher-----	60	Very limited Restricted permeability Salinity Low adsorption Sodium content Droughty	1.00 1.00 1.00 1.00 0.61	Very limited Deep to water	1.00
Slickspots, Dry-----	25	Not rated		Not rated	
AsB: Assinniboine-----	85	Not limited		Very limited Deep to water	1.00
AsC: Assinniboine-----	85	Not limited		Very limited Deep to water	1.00
AtC: Assinniboine-----	55	Not limited		Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Twilight-----	30	Somewhat limited Droughty Depth to bedrock	0.95 0.42	Very limited Deep to water	1.00
Ba: Bankard-----	90	Very limited Filtering capacity Droughty Flooding Leaching limitation	1.00 0.65 0.60 0.45	Very limited Deep to water	1.00
Bb: Bankard-----	90	Very limited Filtering capacity Flooding Droughty Leaching limitation	1.00 1.00 0.77 0.45	Very limited Deep to water	1.00
BlE: Blackhall-----	60	Very limited Slope Depth to bedrock Droughty Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Rock Outcrop, Sandstone-----	25	Not rated		Not rated	
BmE: Blackhall-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Twilight-----	35	Somewhat limited Droughty Slope Depth to bedrock	0.95 0.63 0.42	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BoE: Bullock-----	35	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Lardell-----	30	Very limited Restricted permeability Salinity Sodium content Depth to saturated zone Droughty	1.00 1.00 1.00 0.95 0.29	Very limited Salty water Slow refill Cutbanks cave Deep to water	1.00 1.00 0.10 0.02
Blackhall-----	15	Very limited Slope Depth to bedrock Droughty Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
BpB: Bullock-----	50	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Parchin-----	30	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.80 0.42 0.40	Very limited Deep to water	1.00
BsB: Bullock-----	60	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Slickspots, Dry-----	25	Not rated		Not rated	
CaD: Cabbart-----	85	Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
CvB: Cabbart Variant-----	85	Very limited Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 0.40 0.08	Very limited Deep to water	1.00
DeC: Delridge-----	55	Somewhat limited Depth to bedrock Droughty Slope	0.42 0.41 0.37	Very limited Deep to water	1.00
Cabbart-----	30	Very limited Depth to bedrock Droughty Runoff limitation Slope Low adsorption	1.00 1.00 0.40 0.37 0.01	Very limited Deep to water	1.00
EaA: Eapa-----	90	Not limited		Very limited Deep to water	1.00
EaB: Eapa-----	90	Not limited		Very limited Deep to water	1.00
EaC: Eapa-----	90	Not limited		Very limited Deep to water	1.00
EdB: Eapa-----	60	Not limited		Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Delridge-----	25	Somewhat limited Depth to bedrock Droughty	0.42 0.41	Very limited Deep to water	1.00
EdC: Eapa-----	60	Not limited		Very limited Deep to water	1.00
Delridge-----	25	Somewhat limited Depth to bedrock Droughty	0.42 0.41	Very limited Deep to water	1.00
EgB: Eapa-----	60	Not limited		Very limited Deep to water	1.00
Grail-----	20	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
EgC: Eapa-----	60	Not limited		Very limited Deep to water	1.00
Grail-----	20	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
GaA: Gerdrum-----	85	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Gc: Glenberg-----	85	Not limited		Very limited Deep to water	1.00
Gr: Grail-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Hb: Havre-----	85	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Hc: Havre-----	90	Very limited Flooding	1.00	Very limited Deep to water	1.00
He: Heil-----	100	Very limited Restricted permeability Depth to saturated zone Ponding Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Somewhat limited Slow refill Salty water Cutbanks cave	0.95 0.50 0.10
HfB: Hisle-----	60	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Slickspots, Dry-----	25	Not rated		Not rated	
KyA: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KyB: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
La: Lardell-----	90	Very limited Restricted permeability Salinity Sodium content Depth to saturated zone Droughty	1.00 1.00 1.00 0.95 0.29	Very limited Salty water Slow refill Cutbanks cave Deep to water	1.00 1.00 0.10 0.02
LaB: Lawther-----	85	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00
LbE: Lismas-----	85	Very limited Slope Restricted permeability Depth to bedrock Droughty Low adsorption	1.00 1.00 1.00 1.00 0.58	Very limited Deep to water	1.00
LcA: Loburn-----	60	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Gerdrum-----	25	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Ld: Lohmiller-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Lg: Lohmiller-----	90	Somewhat limited Restricted permeability Flooding	0.89 0.60	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
NaD: Nihill-----	50	Very limited Slope Droughty	1.00 0.18	Very limited Deep to water	1.00
Attewan-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
NuA: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NuB: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
PbB: Parchin-----	60	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.80 0.42 0.40	Very limited Deep to water	1.00
Bullock-----	25	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
PeB: Pierre-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 1.00 0.42 0.40 0.18	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
PeC: Pierre-----	90	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 1.00 0.63 0.42 0.40	Very limited Deep to water	1.00
PlE: Pierre-----	60	Very limited Slope Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Lismas-----	25	Very limited Slope Restricted permeability Depth to bedrock Droughty Low adsorption	1.00 1.00 1.00 1.00 0.58	Very limited Deep to water	1.00
PsC: Pierre-----	55	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 1.00 0.42 0.40 0.37	Very limited Deep to water	1.00
Samsil-----	30	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
ROE: Rock Outcrop, Sandy-	45	Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Cabbart-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Bullock-----	20	Very limited Slope Restricted permeability Sodium content Droughty Depth to bedrock	1.00 1.00 1.00 1.00 0.42	Very limited Deep to water	1.00
SaD: Samsil-----	85	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
SbE: Samsil-----	50	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	40	Not rated		Not rated	
SdA: Satanta-----	90	Not limited		Very limited Deep to water	1.00
SdB: Satanta-----	90	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
St: Stetter-----	90	Very limited Restricted permeability Flooding Runoff limitation	1.00 0.60 0.40	Very limited Deep to water	1.00
SwA: Swanboy-----	85	Very limited Restricted permeability Runoff limitation Droughty	1.00 0.40 0.02	Very limited Deep to water	1.00
SyA: Swanboy-----	55	Very limited Restricted permeability Runoff limitation Droughty	1.00 0.40 0.02	Very limited Deep to water	1.00
Slickspots, Dry----	30	Not rated		Not rated	
TdB: Tanna-----	55	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	1.00 0.42 0.40 0.21	Very limited Deep to water	1.00
Delridge-----	25	Somewhat limited Depth to bedrock Droughty	0.42 0.41	Very limited Deep to water	1.00
TdC: Tanna-----	45	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	1.00 0.42 0.40 0.21	Very limited Deep to water	1.00
Delridge-----	35	Somewhat limited Depth to bedrock Droughty	0.42 0.41	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
TsB: Tanna-----	55	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	1.00 0.42 0.40 0.21	Very limited Deep to water	1.00
Savo-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
TsC: Tanna-----	55	Very limited Restricted permeability Depth to bedrock Runoff limitation Droughty	1.00 0.42 0.40 0.21	Very limited Deep to water	1.00
Savo-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
TwC: Twilight-----	40	Somewhat limited Droughty Depth to bedrock	0.95 0.42	Very limited Deep to water	1.00
Marmarth-----	25	Somewhat limited Droughty Depth to bedrock	0.45 0.42	Very limited Deep to water	1.00
Parchin-----	20	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.80 0.42 0.40	Very limited Deep to water	1.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
WhC: Winler-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
WlC: Winler-----	60	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 1.00 0.42 0.40 0.37	Very limited Deep to water	1.00
Lismas-----	30	Very limited Restricted permeability Depth to bedrock Droughty Low adsorption Runoff limitation	1.00 1.00 1.00 0.58 0.40	Very limited Deep to water	1.00
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated	
YaC: Yawdim-----	90	Very limited Depth to bedrock Droughty Runoff limitation Restricted permeability	1.00 1.00 0.40 0.30	Very limited Deep to water	1.00

