

Ag. Waste Application and Excavated Ponds  
Stanley County, South Dakota

(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
AgA: Agar-----	90	Not limited		Very limited Deep to water	1.00
AgB: Agar-----	90	Not limited		Very limited Deep to water	1.00
AkA: Fairlo-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
AkB: Fairlo-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
CaA: Canning-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
CaB: Canning-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
CaC: Canning-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Cc: Carter-----	55	Very limited Restricted permeability Runoff limitation Salinity	1.00 0.40 0.01	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
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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
Capa-----	35	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
ChB: Chantier-----	90	Very limited Restricted permeability Depth to bedrock Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
CsC: Chantier-----	50	Very limited Restricted permeability Depth to bedrock Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Sansarc-----	40	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
CwB: Chantier-----	50	Very limited Restricted permeability Depth to bedrock Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Bullcreek-----	40	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	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
Do: Dorna-----	95	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Ho: Hoven-----	95	Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
HrA: Capa-----	85	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Hs: Capa-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Slickspots, Dry----	40	Not rated		Not rated	
In: Inavale-----	90	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.29	Very limited Deep to water	1.00
KeA: Kirley-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
KeB: Kirley-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Ko: Kolls-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
LaB: Lakoma-----	95	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
LaC: Lakoma-----	90	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
LkD: Lakoma-----	45	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
Okaton-----	40	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
LoA: Lowry-----	95	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
LoB: Lowry-----	98	Not limited		Very limited Deep to water	1.00
LoC: Lowry-----	99	Not limited		Very limited Deep to water	1.00
McA: Mcclure-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
McB: Mcclure-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
MdA: Millboro-----	75	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MdB: Millboro-----	80	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MoA: Millboro-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MoB: Millboro-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Mu: Munjor-----	55	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
Inavale-----	35	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.29	Very limited Deep to water	1.00
Nb: Nimbro-----	90	Not limited		Very limited Deep to water	1.00
OA: Orthents, Loamy-----	100	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
OkE: Okaton-----	65	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Lakoma-----	25	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
Bullcreek-----	3	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
OpA: Opal-----	95	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	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
OpB: Opal-----	95	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
OpC: Opal-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
OtB: Opal-----	60	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
Chantier-----	30	Very limited Restricted permeability Depth to bedrock Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
OtC: Opal-----	60	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
Chantier-----	30	Very limited Restricted permeability Depth to bedrock Droughty Salinity Runoff limitation	1.00 1.00 1.00 0.50 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
OxB: Opal-----	50	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
Promise-----	40	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Pg: Orthents, Gravelly--	99	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.71 0.45	Very limited Deep to water	1.00
PrA: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrB: Promise-----	95	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrC: Promise-----	95	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Ps: Promise-----	68	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Capa-----	29	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
ReA: Ree-----	90	Not limited		Very limited Deep to water	1.00
ReB: Ree-----	90	Not limited		Very limited Deep to water	1.00
ReC: Ree-----	85	Not limited		Very limited Deep to water	1.00
Rs: Rock Outcrop, Soft--	70	Not rated		Not rated	
Sansarc-----	20	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
SaE: Sansarc-----	85	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	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
ScD: Sansarc-----	45	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
Opal-----	40	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.98 0.42 0.40 0.02	Very limited Deep to water	1.00
ScE: Sansarc-----	65	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Opal-----	25	Very limited Slope Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.98 0.42 0.40	Very limited Deep to water	1.00
Sd: Sansarc-----	55	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	35	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
ShE: Schamber-----	85	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 1.00 0.45	Very limited Deep to water	1.00
SmD: Murdo-----	45	Very limited Filtering capacity Droughty	1.00 0.72	Very limited Deep to water	1.00
Schamber-----	45	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00 1.00 0.63 0.45	Very limited Deep to water	1.00
SmE: Schamber-----	50	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 1.00 0.45	Very limited Deep to water	1.00
Murdo-----	40	Very limited Slope Filtering capacity Droughty	1.00 1.00 0.72	Very limited Deep to water	1.00
Sp: Spillway-----	100	Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.39	Very limited Deep to water	1.00
SuC: Sully-----	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
SuE: Sully-----	90	Very limited Slope	1.00	Very limited Deep to water	1.00
SvE: Sully-----	55	Very limited Slope	1.00	Very limited Deep to water	1.00
Sansarc-----	40	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Sw: Bullcreek-----	85	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Sx: Bullcreek-----	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
Slickspots, Dry-----	30	Not rated		Not rated	
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
Wc: Wendte-----	85	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
Wd: Wendte-----	90	Very limited Restricted permeability Flooding Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
Wf: Albaton-----	90	Very limited Restricted permeability Depth to saturated zone Flooding Ponding Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
WsE: Westover-----	85	Very limited Slope Filtering capacity	1.00 1.00	Very limited Deep to water	1.00
Wt: Witten-----	90	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00

