

Ag. Waste Application and Excavated Ponds
Lyman 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
AaA: Agar-----	85	Not limited		Very limited Deep to water	1.00
AaB: Agar-----	90	Not limited		Very limited Deep to water	1.00
AaC: Agar-----	85	Not limited		Very limited Deep to water	1.00
Bg: Bigbend-----	85	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
BuA: 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
BxA: 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	
CeA: Carter-----	85	Very limited Restricted permeability Runoff limitation Salinity	1.00 0.40 0.01	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
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
FaA: Fairlo-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
FaB: Fairlo-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Fp: Norway-----	90	Very limited Depth to saturated zone Flooding Filtering capacity Runoff limitation Droughty	1.00 1.00 1.00 0.40 0.02	Very limited Cutbanks cave	1.00
Hm: Hilmoe-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Ho: Hoven-----	90	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

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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
In: Inavale-----	90	Very limited Flooding Filtering capacity Leaching limitation Droughty	1.00 1.00 0.45 0.09	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
Kp: Kolls-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
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-----	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
LbD: Lakoma-----	50	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Okaton-----	35	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.39	Very limited Deep to water	1.00
LcE: Lakoma-----	45	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Okaton-----	35	Very limited Restricted permeability Depth to bedrock Droughty Cobble content Slope	1.00 1.00 1.00 1.00 1.00	Very limited Deep to water	1.00
LOA: Lowry-----	90	Not limited		Very limited Deep to water	1.00
LoB: Lowry-----	90	Not limited		Very limited Deep to water	1.00
LoC: Lowry-----	95	Not limited		Very limited Deep to water	1.00
LrD: Lowry-----	50	Somewhat limited Slope	0.63	Very limited Deep to water	1.00
Sully-----	40	Very limited Slope	1.00	Very limited Deep to water	1.00
M-W: Miscellaneous Water-	100	Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value
McA: Mcclure-----	90	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
McC: Mcclure-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
MLA: Millboro-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MLB: Millboro-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MlC: Millboro-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MmA: Millboro-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MmB: Millboro-----	90	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
MnB: Millboro-----	50	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Boro-----	40	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00
MnC: Millboro-----	45	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Boro-----	40	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00
Mp: Mobridge-----	90	Not limited		Very limited Deep to water	1.00
Mr: Munjor-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Mv: Munjor-----	65	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Inavale-----	25	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.09	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
OhE: Okaton-----	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
Lakoma-----	30	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
Ok: Onita-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
OlA: Opal-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.97 0.42 0.40 0.02	Very limited Deep to water	1.00
OlB: Opal-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.97 0.42 0.40 0.02	Very limited Deep to water	1.00
OlC: Opal-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.97 0.42 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
OmC: Opal-----	50	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.97 0.42 0.40 0.02	Very limited Deep to water	1.00
Chantier-----	35	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
OnD: Opal-----	60	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 0.97 0.42 0.40 0.37	Very limited Deep to water	1.00
Sansarc-----	25	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
Or: Orthents, Loamy-----	80	Not rated		Not rated	
OrB: Orton-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
OtA: Orton Variant-----	90	Not limited		Very limited Deep to water	1.00
OvB: Orton Variant-----	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
Valentine-----	30	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.29	Very limited Deep to water	1.00
Pg: Orthents, Gravelly--	99	Not rated		Not rated	
PoA: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PoB: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PoC: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrA: Promise-----	60	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Capa-----	30	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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ReB: Ree-----	90	Not limited		Very limited Deep to water	1.00
ReC: Ree-----	90	Not limited		Very limited Deep to water	1.00
RLA: Reliance-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
RLB: Reliance-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
RLC: Reliance-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
RsE: Rock Outcrop, Soft--	65	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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SbE: Sansarc-----	50	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-----	40	Very limited Restricted permeability Slope Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.97 0.42 0.40	Very limited Deep to water	1.00
ScE: Sansarc-----	50	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	
SeE: Sansarc-----	50	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
Schamber-----	30	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.90 0.45	Very limited Deep to water	1.00

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		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 0.90 0.45	Very limited Deep to water	1.00
SlE: Sully-----	90	Very limited Slope	1.00	Very limited Deep to water	1.00
VaD: Valentine-----	85	Very limited Slope Filtering capacity Leaching limitation Droughty	1.00 1.00 0.45 0.29	Very limited Deep to water	1.00
W: Water-----	100	Not rated		Not rated	
Wd: Wendte-----	85	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
Wt: Witten-----	85	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00

