

Ag. Waste Application and Excavated Ponds
Jones 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
Ab: 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
Bb: Bigbend-----	95	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
Bf: Bigbend-----	95	Very limited Flooding Sodium content	1.00 0.08	Very limited Deep to water	1.00
Bg: Bigbend-----	95	Somewhat limited Restricted permeability Sodium content	0.30 0.08	Very limited Deep to water	1.00
Bh: Bigbend-----	95	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
Bi: Bigbend-----	50	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
Inavale-----	40	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.21	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
Bu: Bullcreek-----	90	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Bx: 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	
CpA: Capa-----	90	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Hb: Herdcamp-----	60	Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.02	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
Bullcreek-----	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
Hg: Hilmoe-----	95	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Hm: Hilmoe-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Hn: Hilmoe-----	50	Very limited Restricted permeability Flooding	1.00 0.60	Very limited Deep to water	1.00
Inavale-----	40	Very limited Filtering capacity Flooding Leaching limitation Droughty	1.00 0.60 0.45 0.21	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
In: Inavale-----	90	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.21	Very limited Deep to water	1.00
KeA: Kirley-----	95	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
KeB: Kirley-----	95	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
KeC: 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
KeD: Kirley-----	90	Somewhat limited		Very limited	
		Restricted	0.89	Deep to water	1.00
		permeability			
		Slope	0.63		
KmB: Kirley-----	60	Somewhat limited		Very limited	
		Restricted	0.89	Deep to water	1.00
		permeability			
Mosher-----	30	Very limited		Very limited	
		Restricted	1.00	Slow refill	1.00
		permeability			
		Sodium content	1.00	Deep to water	0.81
		Runoff limitation	0.40	Salty water	0.50
				Cutbanks cave	0.10
KnB: Kirley-----	55	Somewhat limited		Very limited	
		Restricted	0.89	Deep to water	1.00
		permeability			
Vivian-----	35	Somewhat limited		Very limited	
		Droughty	0.40	Deep to water	1.00
KnC: Kirley-----	50	Somewhat limited		Very limited	
		Restricted	0.89	Deep to water	1.00
		permeability			
Vivian-----	40	Somewhat limited		Very limited	
		Droughty	0.40	Deep to water	1.00
KnD: Kirley-----	55	Somewhat limited		Very limited	
		Restricted	0.89	Deep to water	1.00
		permeability			
		Slope	0.63		
Vivian-----	30	Very limited		Very limited	
		Slope	1.00	Deep to water	1.00
		Droughty	0.40		

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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
Ko: Kolls-----	95	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-----	95	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
LaD: Lakoma-----	80	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
LkC: Lakoma-----	65	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Kirley-----	30	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
LyE: Lakoma-----	55	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 0.63 0.42 0.40	Very limited Deep to water	1.00
Vivian-----	25	Very limited Slope Droughty	1.00 0.40	Very limited Deep to water	1.00
MlA: Millboro-----	95	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
MlB: Millboro-----	95	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
Mo: Mosher-----	90	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.81 0.50 0.10

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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
Mp: Mosher-----	65	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.81 0.50 0.10
Capa-----	25	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Nb: Nimbro-----	95	Not limited		Very limited Deep to water	1.00
Nc: Nimbro-----	95	Very limited Flooding	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
OaF: Okaton-----	90	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
ObE: Okaton-----	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
Lakoma-----	40	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
OkE: Okaton-----	45	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Bullcreek-----	20	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Wendte-----	20	Very limited Restricted permeability Flooding Runoff limitation	1.00 0.60 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
OlB: Opal-----	95	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.93 0.42 0.40 0.02	Very limited Deep to water	1.00
OlC: Opal-----	95	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 0.93 0.42 0.40 0.02	Very limited Deep to water	1.00
Old: Opal-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 0.93 0.42 0.40 0.37	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
OpA: Opal-----	95	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
OpB: Opal-----	95	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
OpC: Opal-----	95	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
OpD: Opal-----	85	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
Ot: Orthents, Gravelly--	95	Very limited Depth to bedrock Droughty Slope Low adsorption	1.00 1.00 1.00 0.75	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
PrB: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PrC: Promise-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
PsA: Promise-----	50	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Bullcreek-----	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
PtA: Promise-----	45	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.02	Very limited Deep to water	1.00
Bullcreek-----	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
Kolls-----	15	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Pu: 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
ReA: Ree-----	95	Not limited		Very limited Deep to water	1.00
ReB: Ree-----	90	Not limited		Very limited Deep to water	1.00
ReC: Ree-----	90	Not limited		Very limited Deep to water	1.00
SaE: Sansarc-----	90	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
SoE: 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
Opal-----	35	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
SrE: 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	
SvE: Sansarc-----	60	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
Vivian-----	30	Very limited Slope Droughty	1.00 0.40	Very limited Deep to water	1.00
W: Water-----	100	Not rated		Not rated	
Wc: Wendte-----	90	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 0.60 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10

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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
Wt: Witten-----	95	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Deep to water	1.00

