

Ag. Waste Application and Excavated Ponds
Codington 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
Bc: Brookings-----	90	Not limited		Very limited Deep to water	1.00
Bh: Brookings-----	60	Not limited		Very limited Deep to water	1.00
Hidewood-----	30	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Deep to water	1.00
BmD: Buse-----	90	Somewhat limited Slope Restricted permeability	0.63 0.50	Very limited Deep to water	1.00
BmE: Buse-----	90	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Bo: Buse-----	90	Very limited Slope Large stones on the surface Cobble content Restricted permeability Salinity	1.00 1.00 1.00 0.50 0.01	Very limited Deep to water	1.00
BpD: Buse-----	60	Somewhat limited Slope Restricted permeability	0.63 0.50	Very limited Deep to water	1.00
Poinsett-----	25	Somewhat limited Slope	0.63	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
BsD: Buse-----	60	Somewhat limited		Very limited Deep to water	1.00
		Restricted permeability	0.50		
		Slope	0.37		
Sioux-----	25	Very limited		Very limited Deep to water	1.00
		Depth to dense layer	1.00		
		Filtering capacity	1.00		
		Droughty	0.76		
		Leaching limitation	0.45		
		Slope	0.37		
Bu: Buse-----	60	Very limited		Very limited Deep to water	1.00
		Slope	1.00		
		Large stones on the surface	1.00		
		Cobble content	1.00		
		Restricted permeability	0.50		
		Salinity	0.01		
Sioux-----	25	Very limited		Very limited Deep to water	1.00
		Slope	1.00		
		Cobble content	1.00		
		Filtering capacity	1.00		
		Droughty	0.86		
		Leaching limitation	0.45		
BvD: Buse-----	60	Somewhat limited		Very limited Deep to water	1.00
		Restricted permeability	0.50		
		Slope	0.37		
Vienna-----	30	Somewhat limited		Very limited Deep to water	1.00
		Restricted permeability	0.50		
		Slope	0.37		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Bx: Buse-----	40	Very limited Large stones on the surface Cobble content Restricted permeability Slope Salinity	1.00 1.00 0.50 0.37 0.01	Very limited Deep to water	1.00
Barnes-----	30	Somewhat limited Restricted permeability Slope	0.50 0.37	Very limited Deep to water	1.00
Sioux-----	20	Very limited Depth to dense layer Filtering capacity Droughty Leaching limitation Slope	1.00 1.00 0.76 0.45 0.37	Very limited Deep to water	1.00
Cs: Aquents, Saline-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Salinity Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Cutbanks cave Salty water Slow refill	1.00 0.78 0.55
EfA: Egeland-----	90	Not limited		Very limited Deep to water	1.00
EfB: Egeland-----	90	Not limited		Very limited Deep to water	1.00
EsA: Estelline-----	95	Very limited Filtering capacity	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
EsB: Estelline-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
FdA: Fordville-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
FdB: Fordville-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
FfA: Fordville-----	60	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Renshaw-----	30	Very limited Filtering capacity Droughty	1.00 0.29	Very limited Deep to water	1.00
FfB: Fordville-----	50	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Renshaw-----	30	Very limited Filtering capacity Droughty	1.00 0.29	Very limited Deep to water	1.00
FmB: Forman-----	90	Very limited Cobble content Restricted permeability Salinity	1.00 0.50 0.01	Very limited Deep to water	1.00
FmC: Forman-----	90	Very limited Cobble content Restricted permeability Salinity	1.00 0.50 0.01	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
FnA: Forman-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
FnB: Forman-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
FnC: Forman-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
KrB: Kranzburg-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
La: Lamoure-----	90	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Slow refill Cutbanks cave	0.47 0.10
Lc: Lamoure-----	90	Very limited Depth to saturated zone Flooding	1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.47 0.10
Lp: La Prairie-----	90	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Ma: Southam-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation Salinity	1.00 1.00 1.00 0.40 0.01	Somewhat limited Slow refill Cutbanks cave Salty water	0.97 0.10 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Ms: Southam-----	100	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation Salinity	1.00 1.00 1.00 0.40 0.01	Somewhat limited Slow refill Cutbanks cave Salty water	0.97 0.10 0.01
Od: Oldham-----	90	Very limited Depth to saturated zone Restricted permeability Leaching limitation	1.00 0.81 0.50	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
Op: Oldham-----	45	Very limited Depth to saturated zone Restricted permeability Leaching limitation	1.00 0.81 0.50	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
Parnell-----	45	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Ow: Oldham-----	50	Very limited Depth to saturated zone Restricted permeability Leaching limitation	1.00 0.81 0.50	Somewhat limited Slow refill Cutbanks cave	0.98 0.10

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Parnell-----	50	Very limited		Somewhat limited	
		Restricted	1.00	Slow refill	0.97
		permeability			
		Ponding	1.00	Cutbanks cave	0.10
		Depth to	1.00		
		saturated zone			
		Leaching	0.50		
		limitation			
PmA: Poinsett-----	90	Not limited		Very limited	
				Deep to water	1.00
PmB: Poinsett-----	90	Not limited		Very limited	
				Deep to water	1.00
PnB: Poinsett-----	90	Not limited		Very limited	
				Deep to water	1.00
PoC: Poinsett-----	50	Not limited		Very limited	
				Deep to water	1.00
Buse-----	20	Somewhat limited		Very limited	
		Restricted	0.50	Deep to water	1.00
		permeability			
Forman-----	20	Somewhat limited		Very limited	
		Restricted	0.50	Deep to water	1.00
		permeability			
PsB: Poinsett-----	60	Not limited		Very limited	
				Deep to water	1.00
Forman-----	25	Somewhat limited		Very limited	
		Restricted	0.50	Deep to water	1.00
		permeability			
PwA: Poinsett-----	75	Not limited		Very limited	
				Deep to water	1.00
Waubay-----	20	Not limited		Somewhat limited	
				Deep to water	0.90
				Slow refill	0.30
				Cutbanks cave	0.10

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Ra: Rauville-----	90	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.40	Very limited Cutbanks cave	1.00
RsA: Renshaw-----	60	Very limited Filtering capacity Droughty	1.00 0.29	Very limited Deep to water	1.00
Sioux-----	30	Very limited Depth to dense layer Filtering capacity Droughty Leaching limitation	1.00 1.00 0.76 0.45	Very limited Deep to water	1.00
RsB: Renshaw-----	50	Very limited Filtering capacity Droughty	1.00 0.29	Very limited Deep to water	1.00
Sioux-----	30	Very limited Depth to dense layer Filtering capacity Droughty Leaching limitation	1.00 1.00 0.76 0.45	Very limited Deep to water	1.00
Ts: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Sioux-----	35	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
VnA: Vienna-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
VnB: Vienna-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
VnC: Vienna-----	90	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	
Wa: Waubay-----	90	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
WfA: Waubay-----	60	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Forman-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

