

Ag. Waste Application and Excavated Ponds
Aurora 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: Alwilda-----	85	Very limited Filtering capacity Droughty	1.00 0.01	Very limited Deep to water	1.00
Ar: Arlo-----	85	Very limited Depth to saturated zone Flooding Filtering capacity	1.00 1.00 1.00	Very limited Cutbanks cave	1.00
BaA: Beadle-----	85	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
BaB: Beadle-----	85	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
BdA: Beadle-----	45	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Dudley-----	35	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.99 0.90 0.78 0.10
BeE: Betts-----	55	Very limited Slope Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Ethan-----	25	Very limited Slope	1.00	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
BnA: Blendon-----	85	Not limited		Very limited Deep to water	1.00
BnB: Blendon-----	85	Not limited		Very limited Deep to water	1.00
Bo: Bon-----	85	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
Bx: Bon-----	85	Very limited Flooding	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
Ca: Clamo-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.60 0.50	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
CbB: Clarno-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
CeC: Clarno-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
CpA: Clarno-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
DaA: Degrey-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Jerauld-----	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
DeA: Degrey-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Onita-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
DmA: Delmont-----	50	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.27	Very limited Deep to water	1.00
Enet-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DmB: Delmont-----	55	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.27	Very limited Deep to water	1.00
Enet-----	25	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
DnC: Delmont-----	55	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.27	Very limited Deep to water	1.00
Talmo-----	25	Very limited Filtering capacity Slope Droughty Leaching limitation	1.00 0.63 0.61 0.45	Very limited Deep to water	1.00
Do: Dimo-----	85	Very limited Filtering capacity Depth to saturated zone Flooding	1.00 0.95 0.60	Very limited Cutbanks cave Deep to water	1.00 0.02
DsA: Dudley-----	50	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.99 0.90 0.78 0.10
Jerauld-----	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
Du: Durrstein-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Very limited Slow refill Salty water Cutbanks cave	1.00 0.50 0.10

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		Rating class and limiting features	Value	Rating class and limiting features	Value
EgA: Eakin-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Degrey-----	30	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
EeB: Eakin-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
EnA: Enet-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
EtD: Ethan-----	45	Somewhat limited Slope	0.63	Very limited Deep to water	1.00
Betts-----	35	Somewhat limited Slope Restricted permeability	0.63 0.30	Very limited Deep to water	1.00
HbA: Highmore-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Onita-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
HdA: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Dudley-----	30	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.99
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
HdB: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Dudley-----	30	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.99
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
HeB: Houdek-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	25	Not limited		Very limited Deep to water	1.00
HeC: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
HhA: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Hoven-----	30	Very limited Restricted permeability	1.00	Somewhat limited Salty water	0.50
		Depth to saturated zone	1.00	Slow refill	0.30
		Ponding	1.00	Cutbanks cave	0.10
		Sodium content	1.00		
		Salinity	0.50		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
HhB: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Hoven-----	20	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
HoB: Houdek-----	60	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Plankinton-----	20	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
HpA: Houdek-----	50	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Prosper-----	30	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Hv: Hoven-----	85	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

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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
Hw: Hoven-----	45	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
Plankinton-----	35	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
La: Lane-----	85	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
M-W: Miscellaneous Water-	100	Not rated		Not rated	
MaA: Millboro Variant----	85	Very limited Restricted permeability Runoff limitation Droughty	1.00 0.40 0.24	Very limited Deep to water	1.00
MaB: Millboro Variant----	85	Very limited Restricted permeability Runoff limitation Droughty	1.00 0.40 0.24	Very limited Deep to water	1.00
Oa: Onita-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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Or: Orthents, Loamy-----	80	Not rated		Not rated	
Orthents, Shaly-----	20	Not rated		Not rated	
Pg: Orthents, Gravelly--	100	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.95 0.45	Very limited Deep to water	1.00
Pt: Plankinton-----	55	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
Prosper-----	25	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
TaC: Talmo-----	100	Very limited Filtering capacity Droughty Leaching limitation Slope	1.00 0.61 0.45 0.04	Very limited Deep to water	1.00
TdE: Talmo-----	55	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.61 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
Delmont-----	25	Very limited Slope Depth to dense layer Filtering capacity Droughty	1.00 1.00 1.00 0.27	Very limited Deep to water	1.00
Te: Tetonka-----	85	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 Salty water	0.30 0.10 0.01
W: Water-----	100	Not rated		Not rated	
Wo: Worthing-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01
Wp: Worthing-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.95 0.10 0.01

