

Ag. Waste Application and Excavated Ponds
Turner 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
Ac: Alcester-----	90	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.96 0.30 0.10
Ar: Arlo-----	85	Very limited Depth to saturated zone Filtering capacity Flooding	1.00 1.00 0.60	Very limited Cutbanks cave	1.00
Ba: Baltic-----	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	0.97 0.10
Bb: Baltic-----	90	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	0.97 0.10
BeE: Betts-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Ethan-----	35	Very limited Slope	1.00	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
BhE: Betts-----	65	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Talmo-----	20	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.76 0.45	Very limited Deep to water	1.00
BkA: Blendon-----	85	Not limited		Very limited Deep to water	1.00
BmB: Blendon-----	60	Not limited		Very limited Deep to water	1.00
Henkin-----	30	Not limited		Very limited Deep to water	1.00
Ca: Chancellor-----	85	Very limited Restricted permeability Flooding Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
Cc: Chaska-----	90	Very limited Flooding Depth to saturated zone Leaching limitation	1.00 1.00 0.70	Very limited Cutbanks cave Deep to water	1.00 0.01
Cd: Clamo-----	90	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

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
Ce: Clamo-----	85	Very limited Restricted permeability Depth to saturated zone Filtering capacity Flooding Leaching limitation	1.00 1.00 1.00 0.60 0.50	Very limited Cutbanks cave Salty water	1.00 0.01
ChA: Clarno-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Bonilla-----	25	Not limited		Very limited Deep to water	1.00
ChB: Clarno-----	70	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Bonilla-----	20	Not limited		Very limited Deep to water	1.00
CkA: Clarno-----	50	Somewhat limited Restricted permeability	0.50	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.81 0.10 0.01
Crossplain-----	25	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
Davison-----	15	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
CmB: Clarno-----	55	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
Davison-----	30	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
CoB: Clarno-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
CoC: Clarno-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	40	Not limited		Very limited Deep to water	1.00
Cr: Crossplain-----	85	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
DaA: Davis-----	90	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
DaB: Davis-----	90	Not limited		Very limited Deep to water	1.00
DbA: Davis-----	85	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DeA: Delmont-----	60	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.14	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
Enet-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DeB: Delmont-----	50	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.14	Very limited Deep to water	1.00
Enet-----	40	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DgB: Dempster-----	65	Not limited		Very limited Deep to water	1.00
Graceville-----	25	Very limited Filtering capacity	1.00	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
EeA: Egan-----	70	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	20	Not limited		Very limited Deep to water	1.00
EeB: Egan-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
EfA: Egan-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Trent-----	25	Not limited		Very limited Deep to water	1.00
EgB: Egan-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Wentworth-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
EnA: Enet-----	90	Very limited Filtering capacity	1.00	Very limited Cutbanks cave Deep to water	1.00 0.99
EsD: Ethan-----	55	Somewhat limited Slope	0.37	Very limited Deep to water	1.00
Betts-----	35	Somewhat limited Restricted permeability Slope	0.50 0.37	Very limited Deep to water	1.00
EtB: Ethan-----	55	Not limited		Very limited Deep to water	1.00
Egan-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
EtC: Ethan-----	55	Not limited		Very limited Deep to water	1.00
Egan-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
HuA: Huntimer-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
La: Lamo-----	85	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.47 0.10 0.01
M-W: Miscellaneous Water-	100	Not rated		Not rated	
Or: Orthents, Gravelly--	50	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.71 0.45	Very limited Deep to water	1.00
Aquents, Gravelly---	30	Very limited Ponding Depth to saturated zone Filtering capacity Droughty Leaching limitation	1.00 1.00 1.00 0.61 0.45	Very limited Cutbanks cave	1.00
Ro: Roxbury-----	90	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.96 0.30 0.10
Rv: Roxbury Variant-----	90	Very limited Restricted permeability Flooding	1.00 0.60	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
Sa: Salmo-----	85	Very limited Depth to saturated zone Flooding Restricted permeability Salinity Leaching limitation	1.00 1.00 0.81 0.50 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.47 0.10
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	
WaA: Wakonda-----	40	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.43	Very limited Deep to water	1.00
Wentworth-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Chancellor-----	20	Very limited Restricted permeability Flooding Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
WcA: Wentworth-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Turner County, South Dakota

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
Chancellor-----	25	Very limited Restricted permeability Flooding Depth to saturated zone	1.00 1.00 1.00	Somewhat limited Slow refill Cutbanks cave	0.98 0.10
Wakonda-----	15	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.43	Very limited Deep to water	1.00
Wo: Worthing-----	90	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	0.97 0.10 0.01

