

Ag. Waste Application and Excavated Ponds
Clark 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
Aa: Aastad-----	90	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
At: Aastad-----	65	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
Tonka-----	25	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Ba: Badger-----	65	Very limited Restricted permeability Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Deep to water	1.00
Tonka-----	25	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	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
BbB: Barnes-----	55	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
BbC: Barnes-----	55	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
BcB: Barnes-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Svea-----	20	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.47 0.10
BcC: Barnes-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Svea-----	15	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.47 0.10
BdA: Barnes-----	50	Somewhat limited Restricted permeability	0.50	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
Svea-----	40	Not limited		Somewhat limited Deep to water	0.81
				Slow refill	0.47
				Cutbanks cave	0.10
BdB: Barnes-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Svea-----	25	Not limited		Somewhat limited Deep to water	0.81
				Slow refill	0.47
				Cutbanks cave	0.10
BeA: Beadle-----	85	Somewhat limited Restricted permeability	0.81	Very limited Deep to water	1.00
BeB: Beadle-----	85	Somewhat limited Restricted permeability	0.81	Very limited Deep to water	1.00
BeC: Beadle-----	80	Somewhat limited Restricted permeability	0.81	Very limited Deep to water	1.00
BfA: Beadle-----	55	Somewhat limited Restricted permeability	0.81	Very limited Deep to water	1.00
Dudley-----	35	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.98
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
BkD: Betts-----	40	Very limited Slope	1.00	Very limited Deep to water	1.00
		Restricted permeability	0.50		
Ethan-----	40	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
BmA: Blendon-----	85	Not limited		Very limited Deep to water	1.00
Bn: Bon-----	85	Not limited		Very limited Cutbanks cave Deep to water	1.00 0.81
Bo: Bon-----	85	Very limited Flooding	1.00	Very limited Cutbanks cave Deep to water	1.00 0.81
BrD: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Barnes-----	40	Somewhat limited Slope Restricted permeability	0.63 0.50	Very limited Deep to water	1.00
BsE: Buse-----	50	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Barnes-----	40	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BuE: Buse-----	35	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
La Prairie-----	30	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Barnes-----	25	Very limited Slope Restricted permeability	1.00 0.50	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
ByE: Buse-----	55	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
Langhei-----	35	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BzE: Buse-----	55	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 0.81 0.45	Very limited Deep to water	1.00
Ca: Cavour-----	55	Very limited Restricted permeability Salinity Runoff limitation Sodium content	1.00 0.50 0.40 0.18	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.78 0.10
Ferney-----	35	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.50 0.10
CbA: Clarno-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Bonilla-----	30	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
CbB: 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
CeB: Clarno-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	25	Not limited		Very limited Deep to water	1.00
Bonilla-----	25	Not limited		Very limited Deep to water	1.00
CeC: Clarno-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
Bonilla-----	20	Not limited		Very limited Deep to water	1.00
Co: Colvin-----	90	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.55
		Ponding	1.00	Cutbanks cave	0.10
		Leaching limitation	0.50		
		Restricted permeability	0.50		
Cr: Cresbard-----	55	Somewhat limited Restricted permeability	0.81	Somewhat limited Slow refill	0.97
		Sodium content	0.18	Deep to water	0.90
				Cutbanks cave	0.10
				Salty water	0.01

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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
Cavour-----	35	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.98
		Salinity	0.50	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Sodium content	0.18	Cutbanks cave	0.10
Ct: Crossplain-----	60	Very limited Flooding	1.00	Very limited Deep to water	1.00
		Depth to saturated zone	1.00		
		Restricted permeability	0.81		
Tetonka-----	25	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.30
		Ponding	1.00	Cutbanks cave	0.10
		Depth to saturated zone	1.00	Salty water	0.01
		Leaching limitation	0.50		
Cu: Cubden-----	90	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill	0.30
		Restricted permeability	0.50	Cutbanks cave	0.10
				Deep to water	0.07
Cv: Cubden-----	55	Somewhat limited Depth to saturated zone	0.84	Somewhat limited Slow refill	0.30
		Restricted permeability	0.50	Cutbanks cave	0.10
				Deep to water	0.07
Badger-----	35	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
		Flooding	1.00		
		Depth to saturated zone	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
Cw: Cubden-----	55	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.07
Tonka-----	30	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Da: Davison-----	60	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
Crossplain-----	25	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
DeA: Delmont-----	50	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.24	Very limited Deep to water	1.00
Enet-----	40	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
DeB: Delmont-----	55	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.24	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Enet-----	35	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Dm: Dimo-----	85	Very limited Filtering capacity	1.00	Very limited Cutbanks cave	1.00
		Depth to saturated zone	0.95	Deep to water	0.02
		Flooding	0.60		
Dv: Divide-----	90	Very limited Filtering capacity	1.00	Very limited Cutbanks cave	1.00
		Depth to saturated zone	0.84	Deep to water	0.07
Dx: Dudley-----	55	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.98
		Sodium content	1.00	Deep to water	0.90
		Runoff limitation	0.40	Salty water	0.78
		Salinity	0.06	Cutbanks cave	0.10
Jerauld-----	35	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
		Sodium content	1.00		
		Salinity	0.50		
		Runoff limitation	0.40		
Dy: Durrstein-----	85	Very limited Restricted permeability	1.00	Very limited Slow refill	1.00
		Depth to saturated zone	1.00	Salty water	0.50
		Flooding	1.00	Cutbanks cave	0.10
		Sodium content	1.00		
		Salinity	0.50		
EgA: Egeland-----	45	Not limited		Very limited Deep to water	1.00
Embden-----	45	Not limited		Somewhat limited Deep to water	0.90
				Cutbanks cave	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
EgB: Egeland-----	50	Not limited		Very limited Deep to water	1.00
Embden-----	40	Not limited		Somewhat limited Deep to water Cutbanks cave	0.90 0.10
EoD: Ethan-----	55	Very limited Slope	1.00	Very limited Deep to water	1.00
Bon-----	30	Very limited Flooding	1.00	Very limited Cutbanks cave Deep to water	1.00 0.81
Fa: Farmsworth-----	50	Very limited Restricted permeability Sodium content Depth to saturated zone Salinity Runoff limitation	1.00 1.00 0.95 0.50 0.40	Somewhat limited Slow refill Salty water Cutbanks cave Deep to water	0.98 0.50 0.10 0.02
Durrstein-----	35	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
FdA: Fordville-----	95	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
FmA: Forman-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	25	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 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
FmB: Forman-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	25	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
FnB: Forman-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	25	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
FnC: Forman-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Aastad-----	15	Somewhat limited Restricted permeability Depth to saturated zone	0.50 0.24	Somewhat limited Slow refill Deep to water Cutbanks cave	0.97 0.38 0.10
FOA: Forman-----	60	Somewhat limited Restricted permeability	0.50	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
Cresbard-----	30	Somewhat limited Restricted permeability Sodium content	0.81 0.18	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.90 0.10 0.01
FOB: Forman-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Cresbard-----	30	Somewhat limited Restricted permeability Sodium content	0.81 0.18	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.90 0.10 0.01
Ft: Forman-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Cresbard-----	25	Somewhat limited Restricted permeability Sodium content	0.81 0.18	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.90 0.10 0.01
Tonka-----	15	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
HaA: Hamerly-----	90	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07

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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
Hb: Hamery-----	60	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07
Tonka-----	25	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Hd: Harriet-----	90	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Salinity	1.00 1.00 1.00 0.60 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
He: Heil-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Salinity Runoff limitation	1.00 1.00 1.00 0.50 0.40	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
HkB: Henkin-----	50	Not limited		Very limited Deep to water	1.00
Blendon-----	35	Not limited		Very limited Deep to water	1.00
HmA: Hetland-----	90	Very limited Restricted permeability	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
HmB: Hetland-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
HnB: Houdek-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	25	Not limited		Very limited Deep to water	1.00
Prosper-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
HnC: Houdek-----	45	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
Prosper-----	15	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
HpA: Houdek-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Prosper-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
HpB: Houdek-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Prosper-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
HsA: Houdek-----	60	Somewhat limited Restricted permeability	0.50	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
Stickney-----	30	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.50 0.10
HsB: Houdek-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Stickney-----	25	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.50 0.10
Ht: Houdek-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Stickney-----	25	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.50 0.10
Tetonka-----	15	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
Hv: 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

Ag. Waste Application and Excavated Ponds -- continued
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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
KrB: Kranzburg-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	25	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
La: La Prairie-----	90	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Lf: La Prairie-----	65	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Fairdale-----	25	Very limited Flooding	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
Lh: La Prairie-----	60	Somewhat limited Flooding	0.60	Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Holmquist-----	25	Very limited Depth to saturated zone Flooding Sodium content Runoff limitation Salinity	1.00 1.00 0.50 0.40 0.06	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.06
Lk: Ladelle-----	90	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
Lm: 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	0.97 0.10 0.01
Lo: Lowe-----	90	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Cutbanks cave Slow refill	1.00 0.30
Lw: Ludden-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation Salinity	1.00 1.00 1.00 0.40 0.06	Very limited Slow refill Salty water Cutbanks cave	1.00 0.78 0.10
MaB: Maddock-----	55	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Egeland-----	35	Not limited		Very limited Deep to water	1.00
MaC: Maddock-----	60	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Deep to water	1.00
Egeland-----	30	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
Md: Marysland-----	50	Very limited Depth to saturated zone Filtering capacity Leaching limitation Flooding	1.00 1.00 0.70 0.60	Very limited Cutbanks cave	1.00
Divide-----	40	Very limited Filtering capacity Depth to saturated zone	1.00 0.84	Very limited Cutbanks cave Deep to water	1.00 0.07
MsA: Mauvais-----	85	Somewhat limited Depth to saturated zone Restricted permeability Salinity	0.95 0.50 0.01	Somewhat limited Slow refill Cutbanks cave Deep to water Salty water	0.97 0.10 0.02 0.01
MtA: Minnewasta-----	85	Very limited Restricted permeability Depth to saturated zone Filtering capacity Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.18	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
MtB: Minnewasta-----	90	Very limited Restricted permeability Depth to saturated zone Filtering capacity Runoff limitation Sodium content	1.00 1.00 1.00 0.40 0.18	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01

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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
Mw: Minnewaukan-----	90	Very limited Depth to saturated zone Ponding Filtering capacity Leaching limitation Flooding	1.00 1.00 1.00 0.90 0.60	Very limited Cutbanks cave	1.00
Mz: Moritz-----	60	Somewhat limited Depth to saturated zone	0.95	Very limited Cutbanks cave Slow refill Deep to water	1.00 0.30 0.02
Lowe-----	25	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Cutbanks cave Slow refill	1.00 0.30
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
Og: Orthents, Gravelly--	90	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.71 0.45	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
Pa: Parnell-----	95	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
PeA: Peever-----	90	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
PeB: Peever-----	85	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Pf: Peever-----	65	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Cavour-----	25	Very limited Restricted permeability Salinity Runoff limitation Sodium content	1.00 0.50 0.40 0.18	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.78 0.10
Pk: Peever-----	45	Somewhat limited Restricted permeability	0.89	Very limited Deep to water	1.00
Cresbard-----	25	Somewhat limited Restricted permeability Sodium content	0.81 0.18	Somewhat limited Slow refill Deep to water Cutbanks cave Salty water	0.97 0.90 0.10 0.01

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Tonka-----	15	Very limited Restricted permeability	1.00	Somewhat limited Slow refill	0.30
		Depth to saturated zone	1.00	Cutbanks cave	0.10
		Ponding	1.00		
		Leaching limitation	0.50		
Pm: Playmoor-----	90	Very limited Depth to saturated zone	1.00	Very limited Cutbanks cave	1.00
		Flooding	1.00	Salty water	0.50
		Salinity	0.50	Slow refill	0.47
		Leaching limitation	0.50		
		Sodium content	0.08		
PnB: Poinsett-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	30	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	25	Not limited		Somewhat limited Deep to water	0.90
				Slow refill	0.30
				Cutbanks cave	0.10
PnC: Poinsett-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Buse-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	15	Not limited		Somewhat limited Deep to water	0.90
				Slow refill	0.30
				Cutbanks cave	0.10
PoC: Poinsett-----	45	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Rusklyn-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
PrB: Poinsett-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Rusklyn-----	25	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	25	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
PwA: Poinsett-----	55	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	35	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
PwB: Poinsett-----	65	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Waubay-----	25	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.90 0.30 0.10
Ra: Ranslo-----	85	Very limited Restricted permeability Depth to saturated zone Sodium content Flooding Runoff limitation	1.00 1.00 0.92 0.60 0.40	Somewhat limited Slow refill Cutbanks cave Salty water Deep to water	0.97 0.10 0.01 0.01

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Re: Rauville-----	85	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave	0.47 0.10
RfA: Fordville-----	45	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Renshaw-----	45	Very limited Filtering capacity Droughty	1.00 0.11	Very limited Deep to water	1.00
RfB: Renshaw-----	55	Very limited Filtering capacity Droughty	1.00 0.11	Very limited Deep to water	1.00
Fordville-----	35	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
RSA: Renshaw-----	65	Very limited Filtering capacity Droughty	1.00 0.11	Very limited Deep to water	1.00
Sioux-----	25	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.81 0.45	Very limited Deep to water	1.00
RsB: Renshaw-----	55	Very limited Filtering capacity Droughty	1.00 0.11	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Sioux-----	35	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.81 0.45	Very limited Deep to water	1.00
RsC: Renshaw-----	45	Very limited Filtering capacity Droughty	1.00 0.11	Very limited Deep to water	1.00
Sioux-----	45	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.81 0.45	Very limited Deep to water	1.00
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
SnA: Sinai-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
SnB: Sinai-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
SrD: Sioux-----	55	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00 0.81 0.63 0.45	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Renshaw-----	35	Very limited Filtering capacity Slope Droughty	1.00 0.63 0.11	Very limited Deep to water	1.00
Ss: Southam-----	90	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
Sw: Spottswood-----	90	Very limited Filtering capacity	1.00	Very limited Cutbanks cave Deep to water	1.00 0.81
Sy: Stickney-----	55	Very limited Restricted permeability Salinity	1.00 0.50	Somewhat limited Slow refill Deep to water Salty water Cutbanks cave	0.98 0.90 0.50 0.10
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	0.98 0.90 0.78 0.10
Te: Tetonka-----	90	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

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
To: Tonka-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Va: Vallars-----	50	Very limited Depth to saturated zone Restricted permeability	1.00 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Hamerly-----	40	Somewhat limited Depth to saturated zone Restricted permeability	0.84 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.97 0.10 0.07
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
Wg: 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
Wm: Wyndmere-----	90	Somewhat limited Depth to saturated zone	0.84	Very limited Cutbanks cave Deep to water	1.00 0.07

Ag. Waste Application and Excavated Ponds -- continued
Clark 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
Wp: Wyndmere-----	60	Somewhat limited Depth to saturated zone	0.84	Very limited Cutbanks cave Deep to water	1.00 0.07
Parnell-----	30	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

