South Dakota Lateral Effect Tables for Aurora County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alwilda loam, 0 to 2 percent slopes	Alwilda	85	376	480	554	609
Ar	Arlo loam	Arlo	85	189	242	279	308
BaA	Beadle loam, 0 to 3 percent slopes	Beadle	85	61	79	92	102
BaB	Beadle loam, 3 to 6 percent slopes	Beadle	85	61	79	92	102
BdA	Beadle-Dudley complex, 0 to 3 percent slopes	Beadle	45	61	79	92	102
BdA	Beadle-Dudley complex, 0 to 3 percent slopes	Dudley	35	85	110	128	142
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	55	63	82	96	106
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	25	59	78	90	100
BnA	Blendon fine sandy loam, 0 to 3 percent slopes	Blendon	85	128	164	190	210
BnB	Blendon fine sandy loam, 3 to 6 percent slopes	Blendon	85	128	164	190	210
Bo	Bon loam	Bon	85	99	128	148	163
Bx	Bon loam, channeled	Bon	85	99	128	148	163
Ca	Clamo silty clay loam	Clamo	85	95	123	142	157
CbB	Clarno loam, 3 to 6 percent slopes	Clarno	85	67	87	101	112
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	67	87	101	112
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	59	78	90	100
CpA	Clarno-Prosper loams, 0 to 3 percent slopes	Clarno	50	67	87	101	112
CpA	Clarno-Prosper loams, 0 to 3 percent slopes	Prosper	30	77	99	116	128
DaA	DeGrey-Jerauld silt loams	DeGrey	50	89	115	134	148
DaA	DeGrey-Jerauld silt loams	Jerauld	30	68	88	102	113
DeA	DeGrey-Onita silt loams, 0 to 2 percent slopes	DeGrey	50	89	115	134	148
DeA	DeGrey-Onita silt loams, 0 to 2 percent slopes	Onita	30	105	135	157	173
DmA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	50	513	654	754	829
DmA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	30	541	689	795	874
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	513	654	754	829
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	25	541	689	795	874
DnC	Delmont-Talmo complex, 6 to 15 percent slopes	Delmont	55	513	654	754	829
DnC	Delmont-Talmo complex, 6 to 15 percent slopes	Talmo	25	504	643	741	815
Do	Dimo loam	Dimo	85	267	341	394	434
DsA	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Dudley	50	85	110	128	142
DsA	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	30	68	88	102	113
Du	Durrstein silt loam	Durrstein	85	63	82	96	106
EdA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	Eakin	50	81	105	122	135
EdA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	DeGrey	30	89	115	134	148
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Eakin	50	81	105	122	135
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Ethan	30	59	78	90	100
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	541	689	795	874
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	59	78	90	100
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	35	63	82	96	106
HbA	Highmore-Onita silt loams, 0 to 2 percent slopes	Highmore	50	74	97	112	124
HbA	Highmore-Onita silt loams, 0 to 2 percent slopes	Onita	30	105	135	157	173
HdA	Houdek-Dudley complex, 0 to 3 percent slopes	Houdek	50	66	86	101	111
HdA	Houdek-Dudley complex, 0 to 3 percent slopes	Dudley	30	85	110	128	142
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Houdek	50	66	86	101	111
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Dudley	30	85	110	128	142
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	55	66	86	101	111
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	25	59	78	90	100
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Houdek	50	66	86	101	111
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Ethan	30	59	78	90	100
HhA	Houdek-Hoven complex, 0 to 3 percent slopes	Houdek	50	66	86	101	111
HhA	Houdek-Hoven complex, 0 to 3 percent slopes	Hoven	30	82	107	124	137
HhB	Houdek-Hoven complex, 0 to 6 percent slopes	Houdek	60	66	86	101	111
HhB	Houdek-Hoven complex, 0 to 6 percent slopes	Hoven	20	82	107	124	137
HoB	Houdek-Plankinton complex, 0 to 6 percent slopes	Houdek	60	66	86	101	111
HoB	Houdek-Plankinton complex, 0 to 6 percent slopes	Plankinton	20	92	119	139	153
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	50	66	86	101	111
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	30	77	99	116	128
Hv	Hoven silt loam	Hoven	85	82	107	124	137
Hw	Hoven-Plankinton silt loams	Hoven	45	82	107	124	137
Hw	Hoven-Plankinton silt loams	Plankinton	35	92	119	139	153
La	Lane silty clay loam	Lane	85	78	101	118	130
MaA	Millboro variant silty clay, 0 to 2 percent slopes	Millboro	85	56	64	barrier	barrier

South Dakota Lateral Effect Tables for Aurora County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MaB	Millboro variant silty clay, 2 to 6 percent slopes	Millboro	85	56	64	barrier	barrier
Oa	Onita silt loam	Onita	85	105	135	157	173
Pt	Plankinton-Prosper complex	Plankinton	55	92	119	139	153
Pt	Plankinton-Prosper complex	Prosper	25	77	99	116	128
TaC	Talmo gravelly loam, 2 to 15 percent slopes	Talmo	100	504	643	741	815
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Talmo	55	504	643	741	815
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Delmont	25	513	654	754	829
Te	Tetonka silt loam	Tetonka	85	103	132	154	170
Wo	Worthing silty clay loam	Worthing	85	64	84	98	108
Wp	Worthing silty clay loam, ponded	Worthing	85	70	91	106	117

South Dakota Lateral Effect Tables for Aurora County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alwilda loam, 0 to 2 percent slopes	Alwilda	85	361	468	544	602
Ar	Arlo loam	Arlo	85	174	230	270	300
BaA	Beadle loam, 0 to 3 percent slopes	Beadle	85	49	69	84	96
BaB	Beadle loam, 3 to 6 percent slopes	Beadle	85	49	69	84	96
BdA	Beadle-Dudley complex, 0 to 3 percent slopes	Beadle	45	49	69	84	96
BdA	Beadle-Dudley complex, 0 to 3 percent slopes	Dudley	35	72	99	119	135
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	55	51	72	87	99
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	25	48	67	82	94
BnA	Blendon fine sandy loam, 0 to 3 percent slopes	Blendon	85	114	153	181	203
BnB	Blendon fine sandy loam, 3 to 6 percent slopes	Blendon	85	114	153	181	203
Bo	Bon loam	Bon	85	86	116	139	157
Bx	Bon loam, channeled	Bon	85	86	116	139	157
Ca	Clamo silty clay loam	Clamo	85	82	111	133	150
CbB	Clarno loam, 3 to 6 percent slopes	Clarno	85	55	76	92	105
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	55	76	92	105
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	48	67	82	94
CpA	Clarno-Prosper loams, 0 to 3 percent slopes	Clarno	50	55	76	92	105
CpA	Clarno-Prosper loams, 0 to 3 percent slopes	Prosper	30	64	89	107	121
DaA	DeGrey-Jerauld silt loams	DeGrey	50	76	104	125	141
DaA	DeGrey-Jerauld silt loams	Jerauld	30	56	77	94	107
DeA	DeGrey-Onita silt loams, 0 to 2 percent slopes	DeGrey	50	76	104	125	141
DeA	DeGrey-Onita silt loams, 0 to 2 percent slopes	Onita	30	91	124	148	166
DmA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	50	498	642	744	822
DmA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	30	526	677	785	866
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	498	642	744	822
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	25	526	677	785	866
DnC	Delmont-Talmo complex, 6 to 15 percent slopes	Delmont	55	498	642	744	822
DnC	Delmont-Talmo complex, 6 to 15 percent slopes	Talmo	25	489	630	731	807
Do	Dimo loam	Dimo	85	252	329	384	427
DsA	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Dudley	50	72	99	119	135
DsA	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	30	56	77	94	107
Du	Durrstein silt loam	Durrstein	85	51	71	87	99
EdA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	Eakin	50	68	94	113	128
EdA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	DeGrey	30	76	104	125	141
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Eakin	50	68	94	113	128
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Ethan	30	48	67	82	94
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	526	677	785	866
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	48	67	82	94
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	35	51	72	87	99
HbA	Highmore-Onita silt loams, 0 to 2 percent slopes	Highmore	50	62	86	104	118
HbA	Highmore-Onita silt loams, 0 to 2 percent slopes	Onita	30	91	124	148	166
HdA	Houdek-Dudley complex, 0 to 3 percent slopes	Houdek	50	54	76	92	105
HdA	Houdek-Dudley complex, 0 to 3 percent slopes	Dudley	30	72	99	119	135
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Houdek	50	54	76	92	105
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Dudley	30	72	99	119	135
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	55	54	76	92	105
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	25	48	67	82	94
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Houdek	50	54	76	92	105
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Ethan	30	48	67	82	94
HhA	Houdek-Hoven complex, 0 to 3 percent slopes	Houdek	50	54	76	92	105
HhA	Houdek-Hoven complex, 0 to 3 percent slopes	Hoven	30	70	96	115	130
HhB	Houdek-Hoven complex, 0 to 6 percent slopes	Houdek	60	54	76	92	105
HhB	Houdek-Hoven complex, 0 to 6 percent slopes	Hoven	20	70	96	115	130
HoB	Houdek-Plankinton complex, 0 to 6 percent slopes	Houdek	60	54	76	92	105
HoB	Houdek-Plankinton complex, 0 to 6 percent slopes	Plankinton	20	79	108	130	146
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	50	54	76	92	105
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	30	64	89	107	121
Hv	Hoven silt loam	Hoven	85	70	96	115	130
Hw	Hoven-Plankinton silt loams	Hoven	45	70	96	115	130
Hw	Hoven-Plankinton silt loams	Plankinton	35	79	108	130	146
La	Lane silty clay loam	Lane	85	65	90	109	123
MaA	Millboro variant silty clay, 0 to 2 percent slopes	Millboro	85	54	64	barrier	barrier

South Dakota Lateral Effect Tables for Aurora County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MaB	Millboro variant silty clay, 2 to 6 percent slopes	Millboro	85	54	64	barrier	barrier
Oa	Onita silt loam	Onita	85	91	124	148	166
Pt	Plankinton-Prosper complex	Plankinton	55	79	108	130	146
Pt	Plankinton-Prosper complex	Prosper	25	64	89	107	121
TaC	Talmo gravelly loam, 2 to 15 percent slopes	Talmo	100	489	630	731	807
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Talmo	55	489	630	731	807
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Delmont	25	498	642	744	822
Te	Tetonka silt loam	Tetonka	85	89	121	145	163
Wo	Worthing silty clay loam	Worthing	85	53	73	89	102
Wp	Worthing silty clay loam, ponded	Worthing	85	58	80	97	111

South Dakota Lateral Effect Tables for Beadle County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ao	Worthing silt loam, ponded	Worthing	100	102	132	153	169
BaA	Beadle loam, 0 to 2 percent slopes	Beadle	85	59	77	90	99
BaB	Beadle loam, 2 to 6 percent slopes	Beadle	85	59	77	90	99
BaC	Beadle loam, 6 to 9 percent slopes	Beadle	90	59	77	90	99
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	59	77	90	99
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	30	99	128	149	165
BeD	Betts stony loam, 6 to 40 percent slopes	Betts	85	69	90	105	116
BfD	Betts-Ethan loams, 9 to 21 percent slopes	Betts	45	69	90	105	116
BfD	Betts-Ethan loams, 9 to 21 percent slopes	Ethan	40	65	85	99	109
BnA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	190	244	282	310
Bo	Bon silt loam	Bon	90	118	152	177	195
Bx	Bon silt loam, channeled	Bon	90	114	147	171	188
CaA	Carthage fine sandy loam, 0 to 2 percent slopes	Carthage	85	103	133	154	170
CaB	Carthage fine sandy loam, 2 to 6 percent slopes	Carthage	85	103	133	154	170
CaC	Carthage fine sandy loam, 6 to 9 percent slopes	Carthage	85	103	133	154	170
CbA	Carthage-Blendon fine sandy loams, 0 to 2 percent slopes	Carthage	50	103	133	154	170
CbA	Carthage-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	35	190	244	282	310
CbB	Carthage-Blendon fine sandy loams, 2 to 6 percent slopes	Carthage	55	103	133	154	170
CbB	Carthage-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	30	190	244	282	310
DaB	Davis loam, 2 to 9 percent slopes	Davis	100	99	127	148	163
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	539	687	792	871
DfB	Delmont-Talmo complex, 2 to 6 percent slopes	Delmont	65	539	687	792	871
DfB	Delmont-Talmo complex, 2 to 6 percent slopes	Talmo	20	382	487	562	618
Dg	Doger loamy fine sand	Doger	85	270	346	399	439
DkA	Dudley-Jerauld silt loams, 0 to 3 percent slopes	Dudley	50	99	128	149	165
DkA	Dudley-Jerauld silt loams, 0 to 3 percent slopes	Jerauld	35	78	101	117	130
DsA	Dudley-Stickney silt loams, 0 to 3 percent slopes	Dudley	45	99	128	149	165
DsA	Dudley-Stickney silt loams, 0 to 3 percent slopes	Stickney	35	83	107	125	138
DtA	Dudley-Tetonka silt loams	Dudley	55	99	128	149	165
DtA	Dudley-Tetonka silt loams	Tetonka	20	114	147	170	187
Du	Durrstein silt loam	Durrstein	85	80	103	120	133
Eg	Egas silty clay loam	Egas	85	82	107	124	137
Em	Elsmere loamy fine sand, loamy substratum	Elsmere	85	193	248	286	315
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	564	719	829	911
EnB	Enet loam, 2 to 6 percent slopes	Enet	90	564	719	829	911
FoA	Forestburg loamy fine sand, 0 to 3 percent slopes	Forestburg	85	111	143	166	184
FoB	Forestburg loamy fine sand, 3 to 6 percent slopes	Forestburg	85	111	143	166	184
FrA	Forestburg-Doger loamy fine sands, 0 to 3 percent slopes	Forestburg	45	111	143	166	184
FrA	Forestburg-Doger loamy fine sands, 0 to 3 percent slopes	Doger	35	270	346	399	439
FrB	Forestburg-Doger loamy fine sands, 3 to 6 percent slopes	Forestburg	50	111	143	166	184
FrB	Forestburg-Doger loamy fine sands, 3 to 6 percent slopes	Doger	30	270	346	399	439
Ga	Grat loam	Grat	85	270	345	399	439
GbA	Bend silt loam, 0 to 2 percent slopes	Bend	90	142	182	211	233
GzB	Bend-Edwin silt loams, 2 to 6 percent slopes	Bend	65	142	182	211	233
GzB	Bend-Edwin silt loams, 2 to 6 percent slopes	Edwin	35	193	248	287	316
HaA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	50	102	131	152	168
HaA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	35	103	133	155	171
HaB	Hand-Bonilla loams, 3 to 6 percent slopes	Hand	55	102	131	152	168
HaB	Hand-Bonilla loams, 3 to 6 percent slopes	Bonilla	30	103	133	155	171
HbC	Hand-Ethan loams, 6 to 9 percent slopes	Hand	50	102	131	152	168
HbC	Hand-Ethan loams, 6 to 9 percent slopes	Ethan	35	65	85	99	109
HcB	Houdek stony loam, 0 to 9 percent slopes	Houdek	90	61	80	93	103
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Houdek	50	71	92	107	118
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Dudley	35	99	128	149	165

South Dakota Lateral Effect Tables for Beadle County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	50	71	92	107	118
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	35	65	85	99	109
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Houdek	50	71	92	107	118
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Ethan	40	65	85	99	109
HoA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	50	71	92	107	118
HoA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	35	77	100	116	128
HoB	Houdek-Prosper loams, 2 to 6 percent slopes	Houdek	55	71	92	107	118
HoB	Houdek-Prosper loams, 2 to 6 percent slopes	Prosper	30	78	102	118	131
Hv	Hoven silt loam	Hoven	90	94	121	141	156
La	LaDelle silt loam	LaDelle	85	127	163	189	208
Lm	Lamo silt loam	Lamo	90	82	107	124	137
LnA	Lane silt loam, 0 to 2 percent slopes	Lane	90	97	126	146	161
Lo	Loup loamy fine sand	Loup	90	290	371	428	471
Mo	Mobridge silt loam	Mobridge	90	129	166	192	212
OkB	Oko clay loam, 3 to 9 percent slopes	Oko	90	60	78	91	101
OkD	Oko clay loam, 9 to 21 percent slopes	Oko	90	60	78	91	101
PrA	Prosper-Davison loams, 0 to 3 percent slopes	Prosper	55	77	100	116	128
PrA	Prosper-Davison loams, 0 to 3 percent slopes	Davison	25	94	121	141	156
Sh	Shue loamy fine sand	Shue	85	84	109	127	140
Sp	Spottswood loam	Spottswood	85	445	567	654	719
St	Stickney-Jerauld silt loam	Stickney	60	83	107	125	138
St	Stickney-Jerauld silt loam	Jerauld	25	78	101	117	130
Ta	Tetonka loamy fine sand, overblown	Tetonka	100	73	95	111	123
Te	Tetonka-Hoven silt loams	Tetonka	75	114	147	170	187
Te	Tetonka-Hoven silt loams	Hoven	20	94	121	141	156
ZeC	Edwin silt loam, 6 to 12 percent slopes	Edwin	90	193	248	287	316

South Dakota Lateral Effect Tables for Beadle County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ao	Worthing silt loam, ponded	Worthing	100	89	120	144	162
BaA	Beadle loam, 0 to 2 percent slopes	Beadle	85	47	67	81	93
BaB	Beadle loam, 2 to 6 percent slopes	Beadle	85	47	67	81	93
BaC	Beadle loam, 6 to 9 percent slopes	Beadle	90	47	67	81	93
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	47	67	81	93
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	30	86	117	140	158
BeD	Betts stony loam, 6 to 40 percent slopes	Betts	85	57	79	96	109
BfD	Betts-Ethan loams, 9 to 21 percent slopes	Betts	45	57	79	96	109
BfD	Betts-Ethan loams, 9 to 21 percent slopes	Ethan	40	53	74	90	103
BnA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	176	232	272	303
Bo	Bon silt loam	Bon	90	105	141	167	188
Bx	Bon silt loam, channeled	Bon	90	101	136	162	181
CaA	Carthage fine sandy loam, 0 to 2 percent slopes	Carthage	85	89	121	145	163
CaB	Carthage fine sandy loam, 2 to 6 percent slopes	Carthage	85	89	121	145	163
CaC	Carthage fine sandy loam, 6 to 9 percent slopes	Carthage	85	89	121	145	163
CbA	Carthage-Blendon fine sandy loams, 0 to 2 percent slopes	Carthage	50	89	121	145	163
CbA	Carthage-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	35	176	232	272	303
CbB	Carthage-Blendon fine sandy loams, 2 to 6 percent slopes	Carthage	55	89	121	145	163
CbB	Carthage-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	30	176	232	272	303
DaB	Davis loam, 2 to 9 percent slopes	Davis	100	85	116	139	156
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	524	675	782	864
DfB	Delmont-Talmo complex, 2 to 6 percent slopes	Delmont	65	524	675	782	864
DfB	Delmont-Talmo complex, 2 to 6 percent slopes	Talmo	20	367	474	552	611
Dg	Doger loamy fine sand	Doger	85	256	333	389	432
DkA	Dudley-Jerauld silt loams, 0 to 3 percent slopes	Dudley	50	86	117	140	158
DkA	Dudley-Jerauld silt loams, 0 to 3 percent slopes	Jerauld	35	65	90	108	123
DsA	Dudley-Stickney silt loams, 0 to 3 percent slopes	Dudley	45	86	117	140	158
DsA	Dudley-Stickney silt loams, 0 to 3 percent slopes	Stickney	35	70	96	116	131
DtA	Dudley-Tetonka silt loams	Dudley	55	86	117	140	158
DtA	Dudley-Tetonka silt loams	Tetonka	20	100	135	161	181
Du	Durrstein silt loam	Durrstein	85	67	92	111	126
Eg	Egas silty clay loam	Egas	85	70	96	115	130
Em	Elsmere loamy fine sand, loamy substratum	Elsmere	85	179	236	277	308
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	549	707	819	904
EnB	Enet loam, 2 to 6 percent slopes	Enet	90	549	707	819	904
FoA	Forestburg loamy fine sand, 0 to 3 percent slopes	Forestburg	85	98	132	157	177
FoB	Forestburg loamy fine sand, 3 to 6 percent slopes	Forestburg	85	98	132	157	177
FrA	Forestburg-Doger loamy fine sands, 0 to 3 percent slopes	Forestburg	45	98	132	157	177
FrA	Forestburg-Doger loamy fine sands, 0 to 3 percent slopes	Doger	35	256	333	389	432
FrB	Forestburg-Doger loamy fine sands, 3 to 6 percent slopes	Forestburg	50	98	132	157	177
FrB	Forestburg-Doger loamy fine sands, 3 to 6 percent slopes	Doger	30	256	333	389	432
Ga	Grat loam	Grat	85	255	333	389	431
GbA	Bend silt loam, 0 to 2 percent slopes	Bend	90	128	171	202	226
GzB	Bend-Edwin silt loams, 2 to 6 percent slopes	Bend	65	128	171	202	226
GzB	Bend-Edwin silt loams, 2 to 6 percent slopes	Edwin	35	179	236	277	308
HaA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	50	88	120	143	161
HaA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	35	90	122	146	164
HaB	Hand-Bonilla loams, 3 to 6 percent slopes	Hand	55	88	120	143	161
HaB	Hand-Bonilla loams, 3 to 6 percent slopes	Bonilla	30	90	122	146	164
HbC	Hand-Ethan loams, 6 to 9 percent slopes	Hand	50	88	120	143	161
HbC	Hand-Ethan loams, 6 to 9 percent slopes	Ethan	35	53	74	90	103
HcB	Houdek stony loam, 0 to 9 percent slopes	Houdek	90	49	69	84	96
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Houdek	50	59	81	98	112
HdB	Houdek-Dudley complex, 3 to 6 percent slopes	Dudley	35	86	117	140	158

South Dakota Lateral Effect Tables for Beadle County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	50	59	81	98	112
HeB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	35	53	74	90	103
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Houdek	50	59	81	98	112
HeC	Houdek-Ethan loams, 6 to 9 percent slopes	Ethan	40	53	74	90	103
HoA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	50	59	81	98	112
HoA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	35	64	89	107	122
HoB	Houdek-Prosper loams, 2 to 6 percent slopes	Houdek	55	59	81	98	112
HoB	Houdek-Prosper loams, 2 to 6 percent slopes	Prosper	30	66	91	109	124
Hv	Hoven silt loam	Hoven	90	81	110	132	149
La	LaDelle silt loam	LaDelle	85	113	151	180	201
Lm	Lamo silt loam	Lamo	90	70	96	115	130
LnA	Lane silt loam, 0 to 2 percent slopes	Lane	90	84	115	137	155
Lo	Loup loamy fine sand	Loup	90	275	359	419	464
Mo	Mobridge silt loam	Mobridge	90	115	154	183	205
OkB	Oko clay loam, 3 to 9 percent slopes	Oko	90	48	68	83	95
OkD	Oko clay loam, 9 to 21 percent slopes	Oko	90	48	68	83	95
PrA	Prosper-Davison loams, 0 to 3 percent slopes	Prosper	55	64	89	107	122
PrA	Prosper-Davison loams, 0 to 3 percent slopes	Davison	25	81	110	132	149
Sh	Shue loamy fine sand	Shue	85	72	98	118	133
Sp	Spottswood loam	Spottswood	85	429	554	644	711
St	Stickney-Jerauld silt loam	Stickney	60	70	96	116	131
St	Stickney-Jerauld silt loam	Jerauld	25	65	90	108	123
Ta	Tetonka loamy fine sand, overblown	Tetonka	100	61	84	102	116
Te	Tetonka-Hoven silt loams	Tetonka	75	100	135	161	181
Te	Tetonka-Hoven silt loams	Hoven	20	81	110	132	149
ZeC	Edwin silt loam, 6 to 12 percent slopes	Edwin	90	179	236	277	308

South Dakota Lateral Effect Tables for Bon Homme County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alcester silt loam	Alcester	85	100	129	150	165
AcA	Alcester-Chancellor complex	Alcester	50	100	129	150	165
AcA	Alcester-Chancellor complex	Chancellor	35	75	97	113	125
Bn	Bon loam	Bon	85	97	125	145	160
Bo	Bon loam, channeled	Bon	85	97	125	145	160
Br	Bonilla-Crossplain complex	Bonilla	50	94	121	141	156
Br	Bonilla-Crossplain complex	Crossplain	30	53	70	82	91
BsE	Boyd-Sansarc clays, 15 to 40 percent slopes	Boyd	50	27	barrier	barrier	barrier
BsE	Boyd-Sansarc clays, 15 to 40 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
CmA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	59	77	90	100
CmA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	94	121	141	156
CmB	Clarno-Bonilla loams, 2 to 6 percent slopes	Clarno	60	59	77	90	100
CmB	Clarno-Bonilla loams, 2 to 6 percent slopes	Bonilla	25	94	121	141	156
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Clarno	45	59	77	90	100
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Crossplain	25	53	70	82	91
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Davison	15	85	109	127	141
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Clarno	45	59	77	90	100
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Ethan	25	59	77	90	99
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Bonilla	15	94	121	141	156
DaB	Davis loam, 0 to 6 percent slopes	Davis	85	97	125	145	160
DaC	Davis loam, 6 to 15 percent slopes	Davis	85	97	125	145	160
DlC	Delmont-Talmo loams, 6 to 9 percent slopes	Delmont	50	498	635	732	805
DlC	Delmont-Talmo loams, 6 to 9 percent slopes	Talmo	30	412	525	606	666
EaA	Eltree silt loam, 0 to 2 percent slopes	Eltree	90	101	130	151	166
EaB	Eltree silt loam, 2 to 6 percent slopes	Eltree	85	101	130	151	166
EbC	Eltree-Ethan complex, 6 to 9 percent slopes	Eltree	55	101	130	151	166
EbC	Eltree-Ethan complex, 6 to 9 percent slopes	Ethan	30	59	77	90	99
EbE	Eltree-Ethan complex, 9 to 40 percent slopes	Eltree	50	101	130	151	166
EbE	Eltree-Ethan complex, 9 to 40 percent slopes	Ethan	35	59	77	90	99
EcD	Eltree-Crofton silt loams, 9 to 15 percent slopes	Eltree	55	101	130	151	166
EcD	Eltree-Crofton silt loams, 9 to 15 percent slopes	Crofton	30	181	232	268	295
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	50	199	254	294	324
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	35	498	635	732	805
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	45	199	254	294	324
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	40	498	635	732	805
EhB	Ethan-Alcester complex, 1 to 6 percent slopes	Ethan	45	59	77	90	99
EhB	Ethan-Alcester complex, 1 to 6 percent slopes	Alcester	35	100	129	150	165
EhC	Ethan-Alcester complex, 1 to 9 percent slopes	Ethan	50	59	77	90	99
EhC	Ethan-Alcester complex, 1 to 9 percent slopes	Alcester	30	100	129	150	165
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	59	77	90	99
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	30	64	84	97	108
EnC	Ethan-Bonilla loams, 1 to 9 percent slopes	Ethan	55	59	77	90	99
EnC	Ethan-Bonilla loams, 1 to 9 percent slopes	Bonilla	30	94	121	141	156
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Ethan	50	59	77	90	99
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Davis	40	97	125	145	160
EpC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	55	59	77	90	99
EpC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	35	71	92	108	119
Fv	Norway loamy fine sand, frequently flooded	Norway	100	322	411	474	521
GeE	Gavins-Ethan loams, 15 to 40 percent slopes	Gavins	50	barrier	barrier	barrier	barrier
GeE	Gavins-Ethan loams, 15 to 40 percent slopes	Ethan	30	59	77	90	99
GrA	Graceville silty clay loam, 0 to 2 percent slopes	Graceville	85	300	383	442	487
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Homme	50	71	92	108	119
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Tetonka	20	85	109	127	141
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Davison	20	101	131	152	167
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Homme	45	71	92	108	119
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Ethan	25	59	77	90	99
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Onita	15	95	123	143	158
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Homme	50	71	92	108	119
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Ethan	20	59	77	90	99

South Dakota Lateral Effect Tables for Bon Homme County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Tetonka	15	101	131	152	167
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Homme	45	71	92	108	119
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Ethan	25	59	77	90	99
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Tetonka	15	101	131	152	167
HrA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	71	92	108	119
HrA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	25	97	125	145	160
HrB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Homme	60	71	92	108	119
HrB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Onita	25	95	123	143	158
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Homme	45	71	92	108	119
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Onita	25	97	125	145	160
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	101	131	152	167
La	Lamo silt loam	Lamo	85	81	105	123	136
OcA	Onita-Chancellor silty clay loams	Onita	55	97	125	145	160
OcA	Onita-Chancellor silty clay loams	Chancellor	30	75	97	113	125
ReD	Redstoe variant-Gavins complex, 6 to 25 percent slopes	Redstoe	50	145	186	216	238
ReD	Redstoe variant-Gavins complex, 6 to 25 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
Sa	Salmo silty clay loam	Salmo	85	82	106	123	136
Sb	Sardak-Waubonsie complex	Sardak	60	337	430	496	546
Sb	Sardak-Waubonsie complex	Waubonsie	25	70	91	106	117
TaE	Talmo-Delmont loams, 15 to 40 percent slopes	Talmo	60	412	525	606	666
TaE	Talmo-Delmont loams, 15 to 40 percent slopes	Delmont	30	498	635	732	805
TbE	Talmo-Ethan very stony complex, 6 to 40 percent slopes	Talmo	45	345	440	508	558
TbE	Talmo-Ethan very stony complex, 6 to 40 percent slopes	Ethan	35	60	78	91	101
Te	Tetonka silt loam	Tetonka	85	101	131	152	167
ThC	Thurman loamy sand, 6 to 15 percent slopes	Thurman	80	263	337	389	428
ThE	Thurman loamy sand, 15 to 40 percent slopes	Thurman	80	263	337	389	428
Wg	Worthing silty clay loam	Worthing	85	76	98	114	127
Wo	Worthing silty clay loam, ponded	Worthing	99	84	108	126	139
YaA	Yankton-Alcester silt loams, 0 to 2 percent slopes	Yankton	60	113	146	169	187
YaA	Yankton-Alcester silt loams, 0 to 2 percent slopes	Alcester	25	100	129	150	165
YaB	Yankton-Alcester silt loams, 1 to 6 percent slopes	Yankton	60	113	146	169	187
YaB	Yankton-Alcester silt loams, 1 to 6 percent slopes	Alcester	25	100	129	150	165

South Dakota Lateral Effect Tables for Bon Homme County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alcester silt loam	Alcester	85	87	118	140	158
AcA	Alcester-Chancellor complex	Alcester	50	87	118	140	158
AcA	Alcester-Chancellor complex	Chancellor	35	62	86	104	118
Bn	Bon loam	Bon	85	83	114	136	153
Bo	Bon loam, channeled	Bon	85	83	114	136	153
Br	Bonilla-Crossplain complex	Bonilla	50	81	110	132	149
Br	Bonilla-Crossplain complex	Crossplain	30	42	60	73	84
BsE	Boyd-Sansarc clays, 15 to 40 percent slopes	Boyd	50	27	barrier	barrier	barrier
BsE	Boyd-Sansarc clays, 15 to 40 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
CmA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	48	67	82	94
CmA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	81	110	132	149
CmB	Clarno-Bonilla loams, 2 to 6 percent slopes	Clarno	60	48	67	82	94
CmB	Clarno-Bonilla loams, 2 to 6 percent slopes	Bonilla	25	81	110	132	149
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Clarno	45	48	67	82	94
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Crossplain	25	42	60	73	84
CnA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Davison	15	72	98	118	134
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Clarno	45	48	67	82	94
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Ethan	25	47	67	81	93
CsB	Clarno-Ethan-Bonilla loams, 2 to 6 percent slopes	Bonilla	15	81	110	132	149
DaB	Davis loam, 0 to 6 percent slopes	Davis	85	84	114	136	153
DaC	Davis loam, 6 to 15 percent slopes	Davis	85	84	114	136	153
DlC	Delmont-Talmo loams, 6 to 9 percent slopes	Delmont	50	483	623	722	798
DlC	Delmont-Talmo loams, 6 to 9 percent slopes	Talmo	30	397	513	596	659
EaA	Eltree silt loam, 0 to 2 percent slopes	Eltree	90	87	119	142	159
EaB	Eltree silt loam, 2 to 6 percent slopes	Eltree	85	87	119	142	159
EbC	Eltree-Ethan complex, 6 to 9 percent slopes	Eltree	55	87	119	142	159
EbC	Eltree-Ethan complex, 6 to 9 percent slopes	Ethan	30	47	67	81	93
EbE	Eltree-Ethan complex, 9 to 40 percent slopes	Eltree	50	87	119	142	159
EbE	Eltree-Ethan complex, 9 to 40 percent slopes	Ethan	35	47	67	81	93
EcD	Eltree-Crofton silt loams, 9 to 15 percent slopes	Eltree	55	87	119	142	159
EcD	Eltree-Crofton silt loams, 9 to 15 percent slopes	Crofton	30	166	220	258	288
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	50	184	242	284	317
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	35	483	623	722	798
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	45	184	242	284	317
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	40	483	623	722	798
EhB	Ethan-Alcester complex, 1 to 6 percent slopes	Ethan	45	47	67	81	93
EhB	Ethan-Alcester complex, 1 to 6 percent slopes	Alcester	35	87	118	140	158
EhC	Ethan-Alcester complex, 1 to 9 percent slopes	Ethan	50	47	67	81	93
EhC	Ethan-Alcester complex, 1 to 9 percent slopes	Alcester	30	87	118	140	158
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	47	67	81	93
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	30	52	73	89	101
EnC	Ethan-Bonilla loams, 1 to 9 percent slopes	Ethan	55	47	67	81	93
EnC	Ethan-Bonilla loams, 1 to 9 percent slopes	Bonilla	30	81	110	132	149
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Ethan	50	47	67	81	93
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Davis	40	84	114	136	153
EpC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	55	47	67	81	93
EpC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	35	59	82	99	112
Fv	Norway loamy fine sand, frequently flooded	Norway	100	307	398	464	514
GeE	Gavins-Ethan loams, 15 to 40 percent slopes	Gavins	50	barrier	barrier	barrier	barrier
GeE	Gavins-Ethan loams, 15 to 40 percent slopes	Ethan	30	47	67	81	93
GrA	Graceville silty clay loam, 0 to 2 percent slopes	Graceville	85	285	371	433	479
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Homme	50	59	82	99	112
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Tetonka	20	72	98	118	134
HmA	Homme-Davison-Tetonka complex, 0 to 3 percent slopes	Davison	20	88	119	143	161
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Homme	45	59	82	99	112
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Ethan	25	47	67	81	93
HnB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Onita	15	82	112	134	151
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Homme	50	59	82	99	112
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Ethan	20	47	67	81	93

South Dakota Lateral Effect Tables for Bon Homme County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HpB	Homme-Ethan-Tetonka complex, 0 to 6 percent slopes	Tetonka	15	88	119	143	161
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Homme	45	59	82	99	112
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Ethan	25	47	67	81	93
HpC	Homme-Ethan-Tetonka complex, 0 to 9 percent slopes	Tetonka	15	88	119	143	161
HrA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	59	82	99	112
HrA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	25	84	114	136	153
HrB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Homme	60	59	82	99	112
HrB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Onita	25	82	112	134	151
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Homme	45	59	82	99	112
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Onita	25	84	114	136	153
HtA	Homme-Onita-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	88	119	143	161
La	Lamo silt loam	Lamo	85	69	94	114	129
OcA	Onita-Chancellor silty clay loams	Onita	55	84	114	136	153
OcA	Onita-Chancellor silty clay loams	Chancellor	30	62	86	104	118
ReD	Redstoe variant-Gavins complex, 6 to 25 percent slopes	Redstoe	50	131	175	206	231
ReD	Redstoe variant-Gavins complex, 6 to 25 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
Sa	Salmo silty clay loam	Salmo	85	69	95	114	129
Sb	Sardak-Waubonsie complex	Sardak	60	322	418	486	539
Sb	Sardak-Waubonsie complex	Waubonsie	25	58	80	97	111
TaE	Talmo-Delmont loams, 15 to 40 percent slopes	Talmo	60	397	513	596	659
TaE	Talmo-Delmont loams, 15 to 40 percent slopes	Delmont	30	483	623	722	798
TbE	Talmo-Ethan very stony complex, 6 to 40 percent slopes	Talmo	45	330	428	498	551
TbE	Talmo-Ethan very stony complex, 6 to 40 percent slopes	Ethan	35	48	67	82	94
Te	Tetonka silt loam	Tetonka	85	88	119	143	161
ThC	Thurman loamy sand, 6 to 15 percent slopes	Thurman	80	249	324	379	421
ThE	Thurman loamy sand, 15 to 40 percent slopes	Thurman	80	249	324	379	421
Wg	Worthing silty clay loam	Worthing	85	63	87	106	120
Wo	Worthing silty clay loam, ponded	Worthing	99	71	97	117	132
YaA	Yankton-Alcester silt loams, 0 to 2 percent slopes	Yankton	60	100	134	160	180
YaA	Yankton-Alcester silt loams, 0 to 2 percent slopes	Alcester	25	87	118	140	158
YaB	Yankton-Alcester silt loams, 1 to 6 percent slopes	Yankton	60	100	134	160	180
YaB	Yankton-Alcester silt loams, 1 to 6 percent slopes	Alcester	25	87	118	140	158

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Allivar sandy loam, 0 to 2 percent slopes	Allivar	85	331	423	488	537
Ar	Arlo loam, 0 to 1 percent slopes	Arlo	90	192	246	284	313
AvB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	261	334	386	425
Ba	Badger silty clay loam, 0 to 1 percent slopes	Badger	85	80	104	121	134
BbA	Barnes clay loam, 0 to 2 percent slopes	Barnes	85	62	80	94	104
BbB	Barnes clay loam, 2 to 6 percent slopes	Barnes	80	62	80	94	104
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	67	87	102	113
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	30	47	62	73	81
BeA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	241	308	355	391
BeB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	241	308	355	391
Bf	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	85	73	94	110	122
BgC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	55	47	62	73	81
BgC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	30	67	87	102	113
BgD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	47	62	73	81
BgD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	35	67	87	102	113
BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Buse	55	47	62	73	81
BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Barnes	35	67	87	102	113
BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	65	47	62	73	81
BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	20	67	87	102	113
BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	60	47	62	73	81
BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	20	109	140	162	179
BoE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	60	47	62	73	81
BoE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	25	45	59	69	76
BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	47	62	73	81
BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	98	126	146	161
BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Buse	55	47	61	72	80
BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Poinsett	35	98	126	146	161
BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Buse	55	47	62	73	81
BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Singsaas	30	86	111	130	143
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	47	62	73	81
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	447	570	657	723
Ca	Castlewood silty clay, 0 to 1 percent slopes	Castlewood	90	84	108	126	139
Ch	Chaska loam, channeled	Chaska	90	60	78	92	101
Cm	Clamo silty clay, 0 to 1 percent slopes	Clamo	90	105	136	157	174
Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	60	75	97	113	125
Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	80	104	121	134
Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	50	75	97	113	125
Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	40	63	82	96	107
DaB	Darnen loam, 2 to 6 percent slopes	Darnen	85	64	83	97	107
DcA	Davis loam, 0 to 2 percent slopes	Davis	90	102	131	152	168
DcB	Davis loam, 2 to 6 percent slopes	Davis	90	102	131	152	168
Dm	Dimo clay loam, 0 to 2 percent slopes	Dimo	90	260	332	384	422
Dn	Divide loam, 0 to 2 percent slopes	Divide	85	207	265	306	337
DoB	Doland loam, 2 to 6 percent slopes	Doland	85	56	73	86	95
DsA	Doland-Svea loams, 0 to 2 percent slopes	Doland	55	56	73	86	95
DsA	Doland-Svea loams, 0 to 2 percent slopes	Svea	25	99	127	148	163
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	65	69	90	104	115
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	25	67	87	101	112
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Egan	35	69	90	104	115
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	30	104	135	156	173
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	20	96	124	144	159
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	182	233	270	297
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	166	213	247	272
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	182	233	270	297
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	166	213	247	272

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
EnA	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	90	534	681	785	863
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	546	696	803	883
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	546	696	803	883
EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	546	696	803	883
EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	447	570	657	723
EvD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	67	87	101	112
EvD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	72	93	109	120
EwC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	67	87	101	112
EwC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	45	69	90	104	115
Fa	Fairdale loam, channeled	Fairdale	85	110	142	165	182
Fb	Fordtown loam, 0 to 2 percent slopes	Fordtown	85	347	443	511	562
Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Fordtown	55	347	443	511	562
Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Spottswood	30	471	600	692	761
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	90	463	590	680	748
FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	463	590	680	748
FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	234	300	346	381
Gs	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	90	277	354	409	450
Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	55	70	91	106	117
Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	30	80	104	121	134
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Hamerly	40	70	91	106	117
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Cavour	30	57	74	86	96
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Badger	20	80	104	121	134
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	90	116	135	149
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	90	116	135	149
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	55	72	93	109	120
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	30	73	94	110	122
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	65	72	93	109	120
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	25	73	94	110	122
La	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	84	108	126	139
Lc	La Prairie loam, 0 to 2 percent slopes, rarely flooded	La Prairie	85	84	108	126	139
Ld	LaDelle silt loam, 0 to 2 percent slopes	LaDelle	90	109	140	163	180
Le	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	90	77	100	117	129
Lk	Lamoure silty clay loam, 0 to 1 percent slopes	Lamoure	75	109	140	162	179
Lm	Lamoure-Rauville silty clay loams, channeled	Lamoure	65	109	140	162	179
Lm	Lamoure-Rauville silty clay loams, channeled	Rauville	25	328	419	483	531
LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Lanona	60	89	115	134	148
LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Swenoda	25	87	113	131	145
Lo	Lowe loam, 0 to 1 percent slopes	Lowe	85	92	119	138	152
Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Lowe	50	92	119	138	152
Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Ludden	35	78	102	118	131
Ls	Ludden silty clay, 0 to 1 percent slopes	Ludden	85	78	102	118	131
Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	45	78	102	118	131
Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	40	78	102	118	131
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	179	229	265	292
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	182	233	270	297
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	65	179	229	265	292
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	25	182	233	270	297
MeA	Maddock-Embden complex, 0 to 2 percent slopes	Maddock	50	179	229	265	292
MeA	Maddock-Embden complex, 0 to 2 percent slopes	Embden	40	166	213	247	272
Mr	Marysland loam, 0 to 1 percent slopes	Marysland	85	363	463	534	588
Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	McIntosh	55	74	96	112	124
Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	80	104	121	134
Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	McIntosh	60	74	96	112	124
Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Lamoure	25	109	140	162	179
Mw	Minnewaukan loamy sand, 0 to 3 percent slopes	Minnewaukan	85	355	453	522	574
Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Moritz	50	103	132	154	170

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Lamoure	35	109	140	162	179
Od	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	79	103	119	132
Pa	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	90	95	123	143	158
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	98	126	146	161
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	47	62	73	81
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	73	95	111	123
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	35	98	126	146	161
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	47	62	73	81
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	73	95	111	123
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	98	126	146	161
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	73	95	111	123
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	98	126	146	161
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	73	95	111	123
Ra	Rauville silty clay loam, 0 to 1 percent slopes	Rauville	80	328	419	483	531
Rp	Rauville silty clay loam, ponded	Rauville	90	328	419	483	531
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	234	300	346	381
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	447	570	657	723
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	234	300	346	381
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	447	570	657	723
Rw	Renwash loam, 0 to 2 percent slopes	Renwash	90	466	593	684	752
SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Singsaas	60	86	111	130	143
SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Buse	30	47	62	73	81
ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	86	111	130	143
ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	73	95	111	123
ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	86	111	130	143
ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	73	95	111	123
ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	45	447	570	657	723
ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	234	300	346	381
ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	55	447	570	657	723
ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	35	234	300	346	381
So	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	82	107	124	137
Sp	Spottswood loam, 0 to 2 percent slopes	Spottswood	85	471	600	692	761
SrA	Strayhoss loam, 0 to 2 percent slopes	Strayhoss	85	125	160	186	205
SrB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	125	160	186	205
StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Strayhoss	60	125	160	186	205
StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Maddock	30	179	229	265	292
SvA	Svea loam, 0 to 2 percent slopes	Svea	90	99	127	148	163
SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Swenoda	55	87	113	131	145
SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Lanona	35	89	115	134	148
To	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	63	82	96	107
Tr	Trent silty clay loam, 0 to 2 percent slopes	Trent	90	96	124	144	159
VaA	Venagro-Svea loams, 0 to 2 percent slopes	Venagro	60	78	101	118	130
VaA	Venagro-Svea loams, 0 to 2 percent slopes	Svea	20	99	127	148	163
VaB	Venagro-Svea loams, 1 to 6 percent slopes	Venagro	65	78	101	118	130
VaB	Venagro-Svea loams, 1 to 6 percent slopes	Svea	20	99	127	148	163
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	82	106	124	137
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	73	94	110	122
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	82	106	124	137
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	73	94	110	122
VnB	Vienna-Buse complex, 2 to 6 percent slopes	Vienna	65	82	106	124	137
VnB	Vienna-Buse complex, 2 to 6 percent slopes	Buse	25	47	62	73	81
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	55	82	106	124	137
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	47	62	73	81
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Wakonda	70	94	121	141	156
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	20	79	102	118	131
Wb	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	73	95	111	123
WeA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	65	104	135	156	173
WeA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	96	124	144	159
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	68	89	103	114

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Allivar sandy loam, 0 to 2 percent slopes	Allivar	85	316	411	478	530
Ar	Arlo loam, 0 to 1 percent slopes	Arlo	90	177	234	274	306
AvB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	247	322	376	418
Ba	Badger silty clay loam, 0 to 1 percent slopes	Badger	85	68	93	112	127
BbA	Barnes clay loam, 0 to 2 percent slopes	Barnes	85	50	70	85	97
BbB	Barnes clay loam, 2 to 6 percent slopes	Barnes	80	50	70	85	97
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	55	77	93	106
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	30	37	52	65	74
BeA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	226	296	346	384
BeB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	226	296	346	384
Bf	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	85	60	84	101	115
BgC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	55	37	52	65	74
BgC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	30	55	77	93	106
BgD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	37	52	65	74
BgD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	35	55	77	93	106
BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Buse	55	37	52	65	74
BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Barnes	35	55	77	93	106
BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	65	37	52	65	74
BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	20	55	77	93	106
BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	60	37	52	65	74
BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	20	95	129	153	172
BoE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	60	37	52	65	74
BoE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	25	34	49	61	70
BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	37	52	65	74
BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	84	115	137	155
BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Buse	55	36	51	64	73
BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Poinsett	35	84	115	137	155
BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Buse	55	37	52	65	74
BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Singsaas	30	73	100	121	136
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	37	52	65	74
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	432	557	647	715
Ca	Castlewood silty clay, 0 to 1 percent slopes	Castlewood	90	71	97	117	132
Ch	Chaska loam, channeled	Chaska	90	49	68	83	95
Cm	Clamo silty clay, 0 to 1 percent slopes	Clamo	90	92	124	148	167
Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	60	62	86	104	118
Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	68	93	112	127
Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	50	62	86	104	118
Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	40	52	72	88	100
DaB	Darnen loam, 2 to 6 percent slopes	Darnen	85	52	73	88	101
DcA	Davis loam, 0 to 2 percent slopes	Davis	90	88	120	143	161
DcB	Davis loam, 2 to 6 percent slopes	Davis	90	88	120	143	161
Dm	Dimo clay loam, 0 to 2 percent slopes	Dimo	90	245	320	374	415
Dn	Divide loam, 0 to 2 percent slopes	Divide	85	192	252	296	330
DoB	Doland loam, 2 to 6 percent slopes	Doland	85	45	63	77	88
DsA	Doland-Svea loams, 0 to 2 percent slopes	Doland	55	45	63	77	88
DsA	Doland-Svea loams, 0 to 2 percent slopes	Svea	25	85	116	139	156
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	65	57	79	96	109
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	25	55	76	93	106
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Egan	35	57	79	96	109
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	30	91	123	147	166
EeB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	20	83	112	135	152
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	167	221	260	290
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	152	202	237	265
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	167	221	260	290
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	152	202	237	265

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
EnA	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	90	519	668	775	855
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	531	684	793	875
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	531	684	793	875
EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	531	684	793	875
EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	432	557	647	715
EvD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	55	76	93	106
EvD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	60	83	100	114
EwC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	55	76	93	106
EwC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	45	57	79	96	109
Fa	Fairdale loam, channeled	Fairdale	85	97	131	156	175
Fb	Fordtown loam, 0 to 2 percent slopes	Fordtown	85	332	431	501	555
Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Fordtown	55	332	431	501	555
Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Spottswood	30	455	588	682	753
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	90	447	577	670	740
FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	447	577	670	740
FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	220	288	337	374
Gs	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	90	262	342	399	442
Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	55	58	80	97	110
Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	30	68	93	112	127
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Hamerly	40	58	80	97	110
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Cavour	30	45	64	78	89
Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Badger	20	68	93	112	127
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	77	105	126	142
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	77	105	126	142
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	55	60	83	100	113
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	30	60	84	101	115
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	65	60	83	100	113
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	25	60	84	101	115
La	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	71	97	117	132
Lc	La Prairie loam, 0 to 2 percent slopes, rarely flooded	La Prairie	85	71	97	117	132
Ld	LaDelle silt loam, 0 to 2 percent slopes	LaDelle	90	96	129	154	173
Le	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	90	65	90	108	122
Lk	Lamoure silty clay loam, 0 to 1 percent slopes	Lamoure	75	95	129	153	172
Lm	Lamoure-Rauville silty clay loams, channeled	Lamoure	65	95	129	153	172
Lm	Lamoure-Rauville silty clay loams, channeled	Rauville	25	313	406	473	524
LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Lanona	60	76	104	125	141
LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Swenoda	25	75	102	123	138
Lo	Lowe loam, 0 to 1 percent slopes	Lowe	85	79	107	129	145
Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Lowe	50	79	107	129	145
Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Ludden	35	66	91	109	124
Ls	Ludden silty clay, 0 to 1 percent slopes	Ludden	85	66	91	109	124
Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	45	66	91	109	124
Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	40	66	91	109	124
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	164	217	256	285
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	167	221	260	290
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	65	164	217	256	285
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	25	167	221	260	290
MeA	Maddock-Embden complex, 0 to 2 percent slopes	Maddock	50	164	217	256	285
MeA	Maddock-Embden complex, 0 to 2 percent slopes	Embden	40	152	202	237	265
Mr	Marysland loam, 0 to 1 percent slopes	Marysland	85	348	451	525	580
Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	McIntosh	55	62	85	103	117
Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	68	93	112	127
Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	McIntosh	60	62	85	103	117
Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Lamoure	25	95	129	153	172
Mw	Minnewaukan loamy sand, 0 to 3 percent slopes	Minnewaukan	85	340	440	512	567
Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Moritz	50	89	121	144	163

South Dakota Lateral Effect Tables for Brookings County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Lamoure	35	95	129	153	172
Od	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	67	92	110	125
Pa	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	90	82	112	134	151
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	84	115	137	155
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	37	52	65	74
PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	61	85	102	116
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	35	84	115	137	155
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	37	52	65	74
PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	61	85	102	116
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	84	115	137	155
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	61	85	102	116
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	84	115	137	155
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	61	85	102	116
Ra	Rauville silty clay loam, 0 to 1 percent slopes	Rauville	80	313	406	473	524
Rp	Rauville silty clay loam, ponded	Rauville	90	313	406	473	524
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	220	288	337	374
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	432	557	647	715
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	220	288	337	374
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	432	557	647	715
Rw	Renwash loam, 0 to 2 percent slopes	Renwash	90	450	581	675	745
SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Singsaas	60	73	100	121	136
SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Buse	30	37	52	65	74
ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	73	100	121	136
ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	61	85	102	116
ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	73	100	121	136
ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	61	85	102	116
ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	45	432	557	647	715
ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	220	288	337	374
ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	55	432	557	647	715
ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	35	220	288	337	374
So	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	70	96	115	130
Sp	Spottswood loam, 0 to 2 percent slopes	Spottswood	85	455	588	682	753
SrA	Strayhoss loam, 0 to 2 percent slopes	Strayhoss	85	111	149	177	198
SrB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	111	149	177	198
StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Strayhoss	60	111	149	177	198
StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Maddock	30	164	217	256	285
SvA	Svea loam, 0 to 2 percent slopes	Svea	90	85	116	139	156
SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Swenoda	55	75	102	123	138
SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Lanona	35	76	104	125	141
To	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	52	72	88	100
Tr	Trent silty clay loam, 0 to 2 percent slopes	Trent	90	83	112	135	152
VaA	Venagro-Svea loams, 0 to 2 percent slopes	Venagro	60	65	90	109	123
VaA	Venagro-Svea loams, 0 to 2 percent slopes	Svea	20	85	116	139	156
VaB	Venagro-Svea loams, 1 to 6 percent slopes	Venagro	65	65	90	109	123
VaB	Venagro-Svea loams, 1 to 6 percent slopes	Svea	20	85	116	139	156
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	69	95	115	130
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	60	84	101	115
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	69	95	115	130
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	60	84	101	115
VnB	Vienna-Buse complex, 2 to 6 percent slopes	Vienna	65	69	95	115	130
VnB	Vienna-Buse complex, 2 to 6 percent slopes	Buse	25	37	52	65	74
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	55	69	95	115	130
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	37	52	65	74
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Wakonda	70	81	110	132	149
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	20	66	91	110	124
Wb	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	61	85	102	116
WeA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	65	91	123	147	166
WeA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	83	112	135	152
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	56	78	95	108

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ab	Aberdeen-Nahon silty clay loams	Aberdeen	50	116	150	174	192
Ab	Aberdeen-Nahon silty clay loams	Nahon	30	131	168	195	215
Ac	Aberdeen-Nahon silty clay loams, sandy substratum	Aberdeen	50	116	150	174	192
Ac	Aberdeen-Nahon silty clay loams, sandy substratum	Nahon	35	131	168	195	215
Ad	Aberdeen-Urban land complex	Aberdeen	50	116	150	174	192
Ar	Arveson fine sandy loam	Arveson	85	149	192	222	245
BaD	Barnes-Buse loams, 6 to 15 percent slopes	Barnes	60	71	93	108	119
BaD	Barnes-Buse loams, 6 to 15 percent slopes	Buse	25	49	65	76	84
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Barnes	45	71	93	108	119
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Buse	25	49	65	76	84
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Svea	15	96	124	144	159
BcA	Barnes-Cavour loams, 0 to 3 percent slopes	Barnes	55	71	93	108	119
BcA	Barnes-Cavour loams, 0 to 3 percent slopes	Cavour	25	70	90	105	117
BcB	Barnes-Cavour loams, 3 to 6 percent slopes	Barnes	55	71	93	108	119
BcB	Barnes-Cavour loams, 3 to 6 percent slopes	Cavour	25	70	90	105	117
BdA	Barnes-Cresbard-Tonka complex, 0 to 3 percent slopes	Barnes	50	71	93	108	119
BdA	Barnes-Cresbard-Tonka complex, 0 to 3 percent slopes	Tonka	15	83	107	125	138
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Barnes	50	71	93	108	119
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Cresbard	25	92	120	139	153
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Tonka	15	83	107	125	138
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Barnes	45	71	93	108	119
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Ferney	20	55	72	84	93
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Tonka	15	83	107	125	138
BfA	Barnes-Hamerly-Tonka complex	Barnes	50	71	93	108	119
BfA	Barnes-Hamerly-Tonka complex	Hamerly	30	67	88	102	113
BfA	Barnes-Hamerly-Tonka complex	Tonka	15	83	107	125	138
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Barnes	35	71	93	108	119
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Kranzburg	30	81	106	123	136
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Buse	20	49	65	76	84
BhA	Barnes-Svea loams, 0 to 3 percent slopes	Barnes	60	71	93	108	119
BhA	Barnes-Svea loams, 0 to 3 percent slopes	Svea	25	96	124	144	159
BhB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	71	93	108	119
BhB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	96	124	144	159
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Barnes	40	71	93	108	119
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Svea	25	96	124	144	159
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Tonka	15	83	107	125	138
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Barnes	40	71	93	108	119
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Svea	25	96	124	144	159
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Tonka	15	83	107	125	138
BmB	Barnes-Tally complex, 2 to 6 percent slopes	Barnes	50	71	93	108	119
BmB	Barnes-Tally complex, 2 to 6 percent slopes	Tally	25	97	125	145	160
BnA	Barnes-Urban land complex, 0 to 3 percent slopes	Barnes	50	71	93	108	119
Bo	Bearden silt loam	Bearden	85	85	110	128	141
Bp	Bearden silt loam, saline	Bearden	90	84	108	126	139
BrB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Bearden	50	85	110	128	141
BrB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Huffton	40	170	217	252	277
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Bearden	45	84	108	126	139
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Huffton	25	170	217	252	277
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Putney	15	170	218	252	278
Bt	Beotia silt loam, 0 to 2 percent slopes	Beotia	85	135	173	200	221
Bv	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	135	173	200	221
Bv	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	30	136	175	202	223
Bw	Beotia-Urban land complex, 0 to 2 percent slopes	Beotia	45	135	173	200	221
Bx	Beotia-Winship silt loams	Beotia	65	135	173	200	221
Bx	Beotia-Winship silt loams	Winship	20	138	177	206	227
By	Borup silt loam	Borup	85	277	354	408	449
Bz	Borup silt loam, saline	Borup	85	277	354	408	449
BzGA	Brantford variant loam, 0 to 2 percent slopes	Brantford	85	313	399	461	507
BzHB	Brantford variant-Vang loams, 2 to 6 percent slopes	Brantford	45	313	399	461	507

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
BzHB	Brantford variant-Vang loams, 2 to 6 percent slopes	Vang	35	487	621	716	787
BzVE	Buse-Barnes loams, 9 to 25 percent slopes	Buse	45	49	65	76	84
BzVE	Buse-Barnes loams, 9 to 25 percent slopes	Barnes	40	71	93	108	119
Ca	Camtown-Turton fine sandy loams, somewhat poorly drained	Camtown	50	88	114	132	146
Ca	Camtown-Turton fine sandy loams, somewhat poorly drained	Turton	30	113	145	168	186
Cb	Camtown-Turton loams	Camtown	50	162	208	240	265
Cb	Camtown-Turton loams	Turton	30	153	196	227	251
Cd	Cavour-Cresbard loams	Cavour	60	70	90	105	117
Cd	Cavour-Cresbard loams	Cresbard	25	92	120	139	153
Cf	Cavour-Ferney complex	Cavour	50	70	90	105	117
Cf	Cavour-Ferney complex	Ferney	35	55	72	84	93
Cm	Colvin fine sandy loam, saline	Colvin	85	82	106	124	137
Cn	Colvin silty clay loam	Colvin	85	90	116	135	149
Cp	Colvin silty clay loam, ponded	Colvin	85	90	116	135	149
Cs	Colvin silty clay loam, saline	Colvin	85	90	116	135	149
Cv	Cresbard-Cavour loams	Cresbard	50	92	120	139	153
Cv	Cresbard-Cavour loams	Cavour	40	70	90	105	117
DaA	Daglum-Rhoades loams, 0 to 4 percent slopes	Daglum	50	37	42	barrier	barrier
DaA	Daglum-Rhoades loams, 0 to 4 percent slopes	Rhoades	35	53	62	barrier	barrier
Do	Dovray silty clay	Dovray	90	83	107	125	138
Dv	Dovray variant silty clay	Dovray	90	73	94	110	122
EcA	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	85	117	150	174	192
EdB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	55	117	150	174	192
EdB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	30	100	129	150	165
EeB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Eckman	65	117	150	174	192
EeB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Zell	25	126	162	188	207
EgB	Edgeley-Kloten complex, 1 to 6 percent slopes	Edgeley	50	27	barrier	barrier	barrier
EgB	Edgeley-Kloten complex, 1 to 6 percent slopes	Kloten	35	barrier	barrier	barrier	barrier
EhA	Egeland fine sandy loam, 0 to 2 percent slopes	Egeland	90	198	253	293	322
EkB	Egeland-Embden fine sandy loams, 2 to 6 percent slopes	Egeland	50	198	253	293	322
EkB	Egeland-Embden fine sandy loams, 2 to 6 percent slopes	Embden	35	97	125	145	161
Em	Embden fine sandy loam	Embden	90	97	125	145	161
Et	Embden-Tiffany fine sandy loams	Embden	65	97	125	145	161
Et	Embden-Tiffany fine sandy loams	Tiffany	25	197	253	292	322
Ex	Exline-Aberdeen-Nahon silt loams	Exline	40	88	114	132	146
Ex	Exline-Aberdeen-Nahon silt loams	Aberdeen	25	125	160	186	205
Ex	Exline-Aberdeen-Nahon silt loams	Nahon	25	135	173	200	221
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	88	114	132	146
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	35	170	218	252	278
Fe	Ferney-Heil complex	Ferney	55	55	72	84	93
Fe	Ferney-Heil complex	Heil	30	57	75	87	97
Fo	Fordville loam	Fordville	85	490	625	720	792
FsA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	45	77	100	117	129
FsA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	49	65	76	84
FsB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	77	100	117	129
FsB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	49	65	76	84
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	50	77	100	117	129
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	25	49	65	76	84
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	15	49	65	76	84
Fy	Fossum fine sandy loam	Fossum	90	421	536	619	680
Ga	Gardena very fine sandy loam	Gardena	85	100	129	150	165
Gc	Gardena-Glyndon silt loams	Gardena	60	144	185	214	236
Gc	Gardena-Glyndon silt loams	Glyndon	30	132	170	196	217
Gh	Gardena-Turton very fine sandy loams	Gardena	50	100	129	150	165
Gh	Gardena-Turton very fine sandy loams	Turton	30	113	145	168	186
Gm	Glyndon silt loam	Glyndon	85	132	170	196	217
Gn	Glyndon silt loam, saline	Glyndon	85	132	170	196	217
GrA	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	146	188	217	239
GsB	Great Bend-Beotia silt loams, 2 to 6 percent slopes	Great Bend	50	146	188	217	239

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
GsB	Great Bend-Beotia silt loams, 2 to 6 percent slopes	Beotia	45	135	173	200	221
GtA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	146	188	217	239
GtA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	30	170	218	252	278
GyB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	65	146	188	217	239
GyB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	25	126	162	188	207
GyC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Great Bend	65	146	188	217	239
GyC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Zell	25	126	162	188	207
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	40	146	187	217	239
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	30	126	162	188	207
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	170	217	252	277
Ha	Hamar loamy fine sand	Hamar	85	302	386	445	490
Hc	Hamerly loam	Hamerly	85	67	88	102	113
Hd	Hamerly loam, saline	Hamerly	85	67	88	102	113
Hf	Hamerly-Tonka complex	Hamerly	50	67	88	102	113
Hf	Hamerly-Tonka complex	Tonka	35	83	107	125	138
Hh	Hamerly-Vallers loams	Hamerly	45	67	88	102	113
Hh	Hamerly-Vallers loams	Vallers	40	58	76	88	98
Hm	Harmony variant clay loam	Harmony	85	219	280	324	357
Hn	Harmony-Aberdeen silty clay loams	Harmony	55	107	138	160	176
Hn	Harmony-Aberdeen silty clay loams	Aberdeen	30	116	150	174	192
Hp	Harmony-Beotia silt loams	Harmony	55	120	154	179	197
Hp	Harmony-Beotia silt loams	Beotia	30	135	173	200	221
Hr	Harriet loam	Harriet	90	71	92	107	118
HtB	Hecla-Hamar loamy fine sands, 0 to 6 percent slopes	Hecla	50	195	249	288	317
HtB	Hecla-Hamar loamy fine sands, 0 to 6 percent slopes	Hamar	35	302	386	445	490
Hx	Heil silt loam	Heil	95	57	75	87	97
Ka	Koto loam	Koto	85	109	141	164	181
Kh	Koto-Harriet loams	Koto	60	109	141	164	181
Kh	Koto-Harriet loams	Harriet	25	71	92	107	118
KkA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	45	81	106	123	136
KkA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	40	92	120	139	153
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	45	81	106	123	136
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	25	92	120	139	153
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	15	49	65	76	84
Kt	Kratka loamy fine sand	Kratka	85	110	142	165	182
La	LaDelle silt loam	LaDelle	90	111	144	167	184
Lc	LaDelle silt loam, channeled	LaDelle	90	111	144	167	184
Le	Lamoure silty clay loam	Lamoure	85	234	300	346	381
Lg	La Prairie loam	La Prairie	85	107	139	161	177
Lh	La Prairie-Harriet loams	La Prairie	50	81	104	121	134
Lh	La Prairie-Harriet loams	Harriet	30	71	92	107	118
Lm	Letcher-Embden-Miranda complex	Letcher	35	145	186	215	238
Lm	Letcher-Embden-Miranda complex	Embden	30	97	125	145	161
Lm	Letcher-Embden-Miranda complex	Miranda	20	56	73	86	95
Lu	Ludden silty clay	Ludden	85	78	101	117	130
Lw	Ludden silty clay, ponded	Ludden	90	78	101	117	130
Lx	Ludden-Ludden, saline silty clays	Ludden	45	78	101	117	130
Lx	Ludden-Ludden, saline silty clays	Ludden	40	78	101	117	130
Lz	Ludden silty clay, ponded-Water complex	Ludden	50	78	101	117	130
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Maddock	35	121	156	181	200
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Hecla	30	195	249	288	317
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Hamar	20	302	386	445	490
Na	Nahon-Aberdeen-Exline silt loams	Nahon	50	135	173	200	221
Na	Nahon-Aberdeen-Exline silt loams	Aberdeen	20	125	160	186	205
Na	Nahon-Aberdeen-Exline silt loams	Exline	15	88	114	132	146
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Nahon	50	131	168	195	215

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Aberdeen	20	116	150	174	192
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Exline	15	278	355	410	451
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Niobell	40	89	115	134	148
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Noonan	30	82	106	123	136
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Williams	20	68	89	103	114
Ng	Nishon silt loam	Nishon	90	81	105	122	135
Nh	Nishon-Heil silt loams	Nishon	50	81	105	122	135
Nh	Nishon-Heil silt loams	Heil	40	57	75	87	97
No	Noonan-Niobell-Miranda loams	Noonan	35	82	106	123	136
No	Noonan-Niobell-Miranda loams	Niobell	30	89	115	134	148
No	Noonan-Niobell-Miranda loams	Miranda	20	56	73	86	95
Pa	Parnell silty clay loam	Parnell	90	93	120	140	154
Pc	Parnell silty clay loam, ponded	Parnell	90	93	120	140	154
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	50	66	77	85
PfB	Peever-Buse clay loams, 1 to 4 percent slopes	Peever	60	50	66	77	85
PfB	Peever-Buse clay loams, 1 to 4 percent slopes	Buse	25	49	65	76	84
Pm	Playmoor silty clay loam	Playmoor	85	110	142	165	182
Pr	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	110	142	165	182
Pr	Playmoor-Lamoure silty clay loams, channeled	Lamoure	35	234	300	346	381
Ra	Ranslo silty clay loam	Ranslo	85	107	138	160	176
Rc	Ranslo-Harriet loams	Ranslo	45	111	143	166	183
Rc	Ranslo-Harriet loams	Harriet	40	71	92	107	118
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	60	432	551	636	699
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	25	490	625	720	792
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	432	551	636	699
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	25	490	625	720	792
Ry	Ryan-Ludden complex	Ryan	55	82	106	124	137
Ry	Ryan-Ludden complex	Ludden	30	78	101	117	130
SaD	Serden fine sand, 6 to 15 percent slopes	Serden	85	280	358	413	455
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Serden	50	295	377	435	479
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Hamar	15	302	386	445	490
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Venlo	15	312	398	460	506
Sd	Slickspots	Slickspots	100	83	107	124	138
Sf	Spottswood-Divide loams, 0 to 2 percent slopes	Spottswood	60	446	568	655	721
Sf	Spottswood-Divide loams, 0 to 2 percent slopes	Divide	30	499	636	734	807
Sh	Stirum fine sandy loam	Stirum	85	228	292	337	371
Sn	Stirum-Stirum variant loams	Stirum	45	228	292	337	371
Sn	Stirum-Stirum variant loams	Stirum	40	188	241	278	307
SoA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	85	92	119	138	153
StB	Swenoda-Embden fine sandy loams, 2 to 6 percent slopes	Swenoda	50	92	119	138	153
StB	Swenoda-Embden fine sandy loams, 2 to 6 percent slopes	Embden	35	97	125	145	161
SvA	Swenoda-Tiffany variant fine sandy loams, 0 to 3 percent slopes	Swenoda	65	92	119	138	153
SvA	Swenoda-Tiffany variant fine sandy loams, 0 to 3 percent slopes	Tiffany	25	76	99	115	127
SwA	Swenoda-Turton complex, 0 to 3 percent slopes	Swenoda	45	92	119	138	153
SwA	Swenoda-Turton complex, 0 to 3 percent slopes	Turton	35	113	145	168	186
SxA	Swenoda-Turton variant complex, 0 to 3 percent slopes	Swenoda	50	92	119	138	153
SxA	Swenoda-Turton variant complex, 0 to 3 percent slopes	Turton	30	115	149	172	190
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	97	125	145	160
TeB	Tally-Letcher fine sandy loams, 1 to 6 percent slopes	Tally	55	97	125	145	160
TeB	Tally-Letcher fine sandy loams, 1 to 6 percent slopes	Letcher	30	145	186	215	238
Tk	Tonka silt loam	Tonka	90	83	107	125	138
Tn	Tonka-Nishon silt loams	Tonka	50	83	107	125	138
Tn	Tonka-Nishon silt loams	Nishon	40	81	105	122	135
Tr	Towner-Hecla loamy fine sands	Towner	50	122	156	181	200

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Tr	Towner-Hecla loamy fine sands	Hecla	35	195	249	288	317
Tv	Turton-Turton variant complex	Turton	55	153	196	227	251
Tv	Turton-Turton variant complex	Turton	30	115	149	172	190
Un	Ulen fine sandy loam	Ulen	85	331	423	488	537
Us	Ulen-Stirum fine sandy loams	Ulen	60	331	423	488	537
Us	Ulen-Stirum fine sandy loams	Stirum	25	228	292	337	371
Va	Vallers clay loam	Vallers	85	51	67	79	87
Vs	Vallers loam, saline	Vallers	85	55	72	84	93
VzC	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	57	75	87	97
VzC	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	25	74	96	112	124
VzE	Vida-Zahl loams, 9 to 25 percent slopes	Vida	55	57	75	87	97
VzE	Vida-Zahl loams, 9 to 25 percent slopes	Zahl	25	74	96	112	124
WaB	Williams loam, 2 to 6 percent slopes	Williams	85	68	89	103	114
WbA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	60	68	89	103	114
WbA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	25	86	111	129	142
WbB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	68	89	103	114
WbB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	25	86	111	129	142
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	50	68	89	103	114
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	20	86	111	129	142
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	15	83	107	125	138
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Williams	50	68	89	103	114
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Bowbells	20	86	111	129	142
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Tonka	15	83	107	125	138
WfA	Williams-Cavour loams, 0 to 3 percent slopes	Williams	55	68	89	103	114
WfA	Williams-Cavour loams, 0 to 3 percent slopes	Cavour	25	70	90	105	117
WfB	Williams-Cavour loams, 3 to 6 percent slopes	Williams	55	68	89	103	114
WfB	Williams-Cavour loams, 3 to 6 percent slopes	Cavour	25	70	90	105	117
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Williams	50	68	89	103	114
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Cresbard	20	92	120	139	153
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Tonka	15	83	107	125	138
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Williams	50	68	89	103	114
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Cresbard	20	77	100	116	129
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Tonka	15	83	107	125	138
WnB	Williams-Niobell loams, 1 to 6 percent slopes	Williams	55	68	89	103	114
WnB	Williams-Niobell loams, 1 to 6 percent slopes	Niobell	30	89	115	134	148
WrD	Williams-Vida loams, 6 to 15 percent slopes	Williams	50	68	89	103	114
WrD	Williams-Vida loams, 6 to 15 percent slopes	Vida	35	57	75	87	97
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Williams	40	68	89	103	114
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Zahl	25	74	96	112	124
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Bowbells	20	86	111	129	142
Wt	Winship-Tonka silt loams	Winship	60	138	177	206	227
Wt	Winship-Tonka silt loams	Tonka	25	83	107	125	138
Wy	Wyndmere fine sandy loam	Wyndmere	90	157	202	234	258
Wz	Wyndmere-Stirum fine sandy loams	Wyndmere	50	157	202	234	258
Wz	Wyndmere-Stirum fine sandy loams	Stirum	35	228	292	337	371
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Zahl	45	74	96	112	124
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Embden	25	97	125	145	161
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Wabek	15	238	305	352	388
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Zahl	40	74	96	112	124
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Kloten	25	barrier	barrier	barrier	barrier
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Edgeley	20	27	barrier	barrier	barrier
ZeA	Zell silt loam, 0 to 2 percent slopes	Zell	85	126	162	188	207
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Zell	55	126	162	188	207
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Great Bend	35	146	188	217	239

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ab	Aberdeen-Nahon silty clay loams	Aberdeen	50	103	138	165	185
Ab	Aberdeen-Nahon silty clay loams	Nahon	30	117	157	186	208
Ac	Aberdeen-Nahon silty clay loams, sandy substratum	Aberdeen	50	103	138	165	185
Ac	Aberdeen-Nahon silty clay loams, sandy substratum	Nahon	35	117	157	186	208
Ad	Aberdeen-Urban land complex	Aberdeen	50	103	138	165	185
Ar	Arveson fine sandy loam	Arveson	85	135	180	213	238
BaD	Barnes-Buse loams, 6 to 15 percent slopes	Barnes	60	59	82	99	113
BaD	Barnes-Buse loams, 6 to 15 percent slopes	Buse	25	38	55	67	78
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Barnes	45	59	82	99	113
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Buse	25	38	55	67	78
BbC	Barnes-Buse-Svea loams, 1 to 9 percent slopes	Svea	15	83	113	135	152
BcA	Barnes-Cavour loams, 0 to 3 percent slopes	Barnes	55	59	82	99	113
BcA	Barnes-Cavour loams, 0 to 3 percent slopes	Cavour	25	57	80	97	110
BcB	Barnes-Cavour loams, 3 to 6 percent slopes	Barnes	55	59	82	99	113
BcB	Barnes-Cavour loams, 3 to 6 percent slopes	Cavour	25	57	80	97	110
BdA	Barnes-Cresbard-Tonka complex, 0 to 3 percent slopes	Barnes	50	59	82	99	113
BdA	Barnes-Cresbard-Tonka complex, 0 to 3 percent slopes	Tonka	15	70	96	116	131
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Barnes	50	59	82	99	113
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Cresbard	25	80	108	130	147
BdB	Barnes-Cresbard-Tonka complex, 0 to 6 percent slopes	Tonka	15	70	96	116	131
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Barnes	45	59	82	99	113
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Ferney	20	44	62	75	86
BeA	Barnes-Ferney-Tonka complex, 0 to 4 percent slopes	Tonka	15	70	96	116	131
BfA	Barnes-Hamerly-Tonka complex	Barnes	50	59	82	99	113
BfA	Barnes-Hamerly-Tonka complex	Hamerly	30	55	77	93	106
BfA	Barnes-Hamerly-Tonka complex	Tonka	15	70	96	116	131
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Barnes	35	59	82	99	113
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Kranzburg	30	69	95	114	129
BgC	Barnes-Kranzburg-Buse complex, 5 to 9 percent slopes	Buse	20	38	55	67	78
BhA	Barnes-Svea loams, 0 to 3 percent slopes	Barnes	60	59	82	99	113
BhA	Barnes-Svea loams, 0 to 3 percent slopes	Svea	25	83	113	135	152
BhB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	59	82	99	113
BhB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	83	113	135	152
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Barnes	40	59	82	99	113
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Svea	25	83	113	135	152
BkA	Barnes-Svea-Tonka complex, 0 to 3 percent slopes	Tonka	15	70	96	116	131
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Barnes	40	59	82	99	113
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Svea	25	83	113	135	152
BkB	Barnes-Svea-Tonka complex, 0 to 6 percent slopes	Tonka	15	70	96	116	131
BmB	Barnes-Tally complex, 2 to 6 percent slopes	Barnes	50	59	82	99	113
BmB	Barnes-Tally complex, 2 to 6 percent slopes	Tally	25	83	113	136	153
BnA	Barnes-Urban land complex, 0 to 3 percent slopes	Barnes	50	59	82	99	113
Bo	Bearden silt loam	Bearden	85	72	99	119	134
Bp	Bearden silt loam, saline	Bearden	90	71	97	117	133
BrB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Bearden	50	72	99	119	134
BrB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Huffton	40	155	206	242	270
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Bearden	45	71	97	117	133
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Huffton	25	155	206	242	270
BsB	Bearden-Huffton-Putney silt loams, 1 to 4 percent slopes	Putney	15	156	206	242	270
Bt	Beotia silt loam, 0 to 2 percent slopes	Beotia	85	121	161	191	214
Bv	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	121	161	191	214
Bv	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	30	122	163	193	216
Bw	Beotia-Urban land complex, 0 to 2 percent slopes	Beotia	45	121	161	191	214
Bx	Beotia-Winship silt loams	Beotia	65	121	161	191	214
Bx	Beotia-Winship silt loams	Winship	20	124	166	196	220
By	Borup silt loam	Borup	85	262	341	399	442
Bz	Borup silt loam, saline	Borup	85	262	341	399	442
BzGA	Brantford variant loam, 0 to 2 percent slopes	Brantford	85	298	387	451	500
BzHB	Brantford variant-Vang loams, 2 to 6 percent slopes	Brantford	45	298	387	451	500
BzHB	Brantford variant-Vang loams, 2 to 6 percent slopes	Vang	35	472	608	706	780
BzVE	Buse-Barnes loams, 9 to 25 percent slopes	Buse	45	38	55	67	78
BzVE	Buse-Barnes loams, 9 to 25 percent slopes	Barnes	40	59	82	99	113

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ca	Camtown-Turton fine sandy loams, somewhat poorly drained	Camtown	50	75	103	123	139
Ca	Camtown-Turton fine sandy loams, somewhat poorly drained	Turton	30	99	134	159	179
Cb	Camtown-Turton loams	Camtown	50	148	196	231	258
Cb	Camtown-Turton loams	Turton	30	139	185	218	243
Cd	Cavour-Cresbard loams	Cavour	60	57	80	97	110
Cd	Cavour-Cresbard loams	Cresbard	25	80	108	130	147
Cf	Cavour-Ferney complex	Cavour	50	57	80	97	110
Cf	Cavour-Ferney complex	Ferney	35	44	62	75	86
Cm	Colvin fine sandy loam, saline	Colvin	85	70	95	115	130
Cn	Colvin silty clay loam	Colvin	85	77	105	126	142
Cp	Colvin silty clay loam, ponded	Colvin	85	77	105	126	142
Cs	Colvin silty clay loam, saline	Colvin	85	77	105	126	142
Cv	Cresbard-Cavour loams	Cresbard	50	80	108	130	147
Cv	Cresbard-Cavour loams	Cavour	40	57	80	97	110
DaA	Daglum-Rhoades loams, 0 to 4 percent slopes	Daglum	50	35	42	barrier	barrier
DaA	Daglum-Rhoades loams, 0 to 4 percent slopes	Rhoades	35	51	62	barrier	barrier
Do	Dovray silty clay	Dovray	90	70	96	116	131
Dv	Dovray variant silty clay	Dovray	90	60	84	101	115
EcA	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	85	103	139	165	185
EdB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	55	103	139	165	185
EdB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	30	87	118	141	158
EeB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Eckman	65	103	139	165	185
EeB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Zell	25	112	150	178	200
EgB	Edgeley-Kloten complex, 1 to 6 percent slopes	Edgeley	50	27	barrier	barrier	barrier
EgB	Edgeley-Kloten complex, 1 to 6 percent slopes	Kloten	35	barrier	barrier	barrier	barrier
EhA	Egeland fine sandy loam, 0 to 2 percent slopes	Egeland	90	183	241	283	315
EkB	Egeland-Embden fine sandy loams, 2 to 6 percent slopes	Egeland	50	183	241	283	315
EkB	Egeland-Embden fine sandy loams, 2 to 6 percent slopes	Embden	35	84	114	136	154
Em	Embden fine sandy loam	Embden	90	84	114	136	154
Et	Embden-Tiffany fine sandy loams	Embden	65	84	114	136	154
Et	Embden-Tiffany fine sandy loams	Tiffany	25	183	241	283	315
Ex	Exline-Aberdeen-Nahon silt loams	Exline	40	75	102	123	139
Ex	Exline-Aberdeen-Nahon silt loams	Aberdeen	25	111	149	177	198
Ex	Exline-Aberdeen-Nahon silt loams	Nahon	25	121	161	191	214
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	75	102	123	139
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	35	156	206	242	270
Fe	Ferney-Heil complex	Ferney	55	44	62	75	86
Fe	Ferney-Heil complex	Heil	30	46	64	79	90
Fo	Fordville loam	Fordville	85	475	612	711	785
FsA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	45	65	89	108	122
FsA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	38	55	67	78
FsB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	65	89	108	122
FsB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	38	55	67	78
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	50	65	89	108	122
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	25	38	55	67	78
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	15	38	55	67	78
Fy	Fossum fine sandy loam	Fossum	90	405	524	609	673
Ga	Gardena very fine sandy loam	Gardena	85	87	118	141	158
Gc	Gardena-Glyndon silt loams	Gardena	60	130	173	205	229
Gc	Gardena-Glyndon silt loams	Glyndon	30	118	158	187	210
Gh	Gardena-Turton very fine sandy loams	Gardena	50	87	118	141	158
Gh	Gardena-Turton very fine sandy loams	Turton	30	99	134	159	179
Gm	Glyndon silt loam	Glyndon	85	118	158	187	210
Gn	Glyndon silt loam, saline	Glyndon	85	118	158	187	210
GrA	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	132	176	208	232
GsB	Great Bend-Beotia silt loams, 2 to 6 percent slopes	Great Bend	50	132	176	208	232
GsB	Great Bend-Beotia silt loams, 2 to 6 percent slopes	Beotia	45	121	161	191	214
GtA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	132	176	208	232

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
GtA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	30	156	206	242	270
GyB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	65	132	176	208	232
GyB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	25	112	150	178	200
GyC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Great Bend	65	132	176	208	232
GyC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Zell	25	112	150	178	200
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	40	132	175	207	232
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	30	112	150	178	200
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	155	206	242	270
Ha	Hamar loamy fine sand	Hamar	85	287	373	436	483
Hc	Hamerly loam	Hamerly	85	55	77	93	106
Hd	Hamerly loam, saline	Hamerly	85	55	77	93	106
Hf	Hamerly-Tonka complex	Hamerly	50	55	77	93	106
Hf	Hamerly-Tonka complex	Tonka	35	70	96	116	131
Hh	Hamerly-Vallers loams	Hamerly	45	55	77	93	106
Hh	Hamerly-Vallers loams	Vallers	40	47	65	80	91
Hm	Harmony variant clay loam	Harmony	85	205	268	315	350
Hn	Harmony-Aberdeen silty clay loams	Harmony	55	93	126	151	169
Hn	Harmony-Aberdeen silty clay loams	Aberdeen	30	103	138	165	185
Hp	Harmony-Beotia silt loams	Harmony	55	106	143	170	190
Hp	Harmony-Beotia silt loams	Beotia	30	121	161	191	214
Hr	Harriet loam	Harriet	90	59	81	98	112
HtB	Hecla-Hamar loamy fine sands, 0 to 6 percent slopes	Hecla	50	180	237	279	310
HtB	Hecla-Hamar loamy fine sands, 0 to 6 percent slopes	Hamar	35	287	373	436	483
Hx	Heil silt loam	Heil	95	46	64	79	90
Ka	Koto loam	Koto	85	96	130	155	174
Kh	Koto-Harriet loams	Koto	60	96	130	155	174
Kh	Koto-Harriet loams	Harriet	25	59	81	98	112
KkA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	45	69	95	114	129
KkA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	40	80	108	130	147
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	45	69	95	114	129
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	25	80	108	130	147
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	15	38	55	67	78
Kt	Kratka loamy fine sand	Kratka	85	97	130	155	175
La	LaDelle silt loam	LaDelle	90	98	132	157	177
Lc	LaDelle silt loam, channeled	LaDelle	90	98	132	157	177
Le	Lamoure silty clay loam	Lamoure	85	219	287	336	374
Lg	La Prairie loam	La Prairie	85	94	127	152	170
Lh	La Prairie-Harriet loams	La Prairie	50	68	93	113	128
Lh	La Prairie-Harriet loams	Harriet	30	59	81	98	112
Lm	Letcher-Embden-Miranda complex	Letcher	35	131	174	206	230
Lm	Letcher-Embden-Miranda complex	Embden	30	84	114	136	154
Lm	Letcher-Embden-Miranda complex	Miranda	20	45	63	77	89
Lu	Ludden silty clay	Ludden	85	65	90	108	123
Lw	Ludden silty clay, ponded	Ludden	90	65	90	108	123
Lx	Ludden-Ludden, saline silty clays	Ludden	45	65	90	108	123
Lx	Ludden-Ludden, saline silty clays	Ludden	40	65	90	108	123
Lz	Ludden silty clay, ponded-Water complex	Ludden	50	65	90	108	123
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Maddock	35	108	145	172	193
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Hecla	30	180	237	279	310
MaB	Maddock-Hecla-Hamar loamy fine sands, 2 to 8 percent slopes	Hamar	20	287	373	436	483
Na	Nahon-Aberdeen-Exline silt loams	Nahon	50	121	161	191	214
Na	Nahon-Aberdeen-Exline silt loams	Aberdeen	20	111	149	177	198
Na	Nahon-Aberdeen-Exline silt loams	Exline	15	75	102	123	139
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Nahon	50	117	157	186	208
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Aberdeen	20	103	138	165	185

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Nc	Nahon-Aberdeen-Exline silty clay loams, sandy substratum	Exline	15	263	343	401	444
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Niobell	40	76	104	125	141
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Noonan	30	69	95	114	129
NeA	Niobell-Noonan-Williams loams, 1 to 4 percent slopes	Williams	20	56	78	95	108
Ng	Nishon silt loam	Nishon	90	68	94	113	128
Nh	Nishon-Heil silt loams	Nishon	50	68	94	113	128
Nh	Nishon-Heil silt loams	Heil	40	46	64	79	90
No	Noonan-Niobell-Miranda loams	Noonan	35	69	95	114	129
No	Noonan-Niobell-Miranda loams	Niobell	30	76	104	125	141
No	Noonan-Niobell-Miranda loams	Miranda	20	45	63	77	89
Pa	Parnell silty clay loam	Parnell	90	80	109	131	147
Pc	Parnell silty clay loam, ponded	Parnell	90	80	109	131	147
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	39	56	69	79
PfB	Peever-Buse clay loams, 1 to 4 percent slopes	Peever	60	39	56	69	79
PfB	Peever-Buse clay loams, 1 to 4 percent slopes	Buse	25	38	55	67	78
Pm	Playmoor silty clay loam	Playmoor	85	97	131	156	175
Pr	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	97	131	156	175
Pr	Playmoor-Lamoure silty clay loams, channeled	Lamoure	35	219	287	336	374
Ra	Ranslo silty clay loam	Ranslo	85	93	126	150	169
Rc	Ranslo-Harriet loams	Ranslo	45	97	132	157	176
Rc	Ranslo-Harriet loams	Harriet	40	59	81	98	112
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	60	417	539	626	692
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	25	475	612	711	785
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	417	539	626	692
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	25	475	612	711	785
Ry	Ryan-Ludden complex	Ryan	55	69	95	115	130
Ry	Ryan-Ludden complex	Ludden	30	65	90	108	123
SaD	Serden fine sand, 6 to 15 percent slopes	Serden	85	265	346	403	447
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Serden	50	280	365	426	472
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Hamar	15	287	373	436	483
ScB	Serden-Hamar-Venlo loamy fine sands, 0 to 6 percent slopes	Venlo	15	297	386	450	499
Sd	Slickspots	Slickspots	100	70	96	116	131
Sf	Spottswood-Divide loams, 0 to 2 percent slopes	Spottswood	60	430	556	645	713
Sf	Spottswood-Divide loams, 0 to 2 percent slopes	Divide	30	484	624	724	799
Sh	Stirum fine sandy loam	Stirum	85	213	280	327	364
Sn	Stirum-Stirum variant loams	Stirum	45	213	280	327	364
Sn	Stirum-Stirum variant loams	Stirum	40	174	229	269	300
SoA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	85	79	108	129	146
StB	Swenoda-Embden fine sandy loams, 2 to 6 percent slopes	Swenoda	50	79	108	129	146
StB	Swenoda-Embden fine sandy loams, 2 to 6 percent slopes	Embden	35	84	114	136	154
SvA	Swenoda-Tiffany variant fine sandy loams, 0 to 3 percent slopes	Swenoda	65	79	108	129	146
SvA	Swenoda-Tiffany variant fine sandy loams, 0 to 3 percent slopes	Tiffany	25	64	88	106	121
SwA	Swenoda-Turton complex, 0 to 3 percent slopes	Swenoda	45	79	108	129	146
SwA	Swenoda-Turton complex, 0 to 3 percent slopes	Turton	35	99	134	159	179
SxA	Swenoda-Turton variant complex, 0 to 3 percent slopes	Swenoda	50	79	108	129	146
SxA	Swenoda-Turton variant complex, 0 to 3 percent slopes	Turton	30	102	137	163	183
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	83	113	136	153
TeB	Tally-Letcher fine sandy loams, 1 to 6 percent slopes	Tally	55	83	113	136	153
TeB	Tally-Letcher fine sandy loams, 1 to 6 percent slopes	Letcher	30	131	174	206	230
Tk	Tonka silt loam	Tonka	90	70	96	116	131
Tn	Tonka-Nishon silt loams	Tonka	50	70	96	116	131
Tn	Tonka-Nishon silt loams	Nishon	40	68	94	113	128
Tr	Towner-Hecla loamy fine sands	Towner	50	108	145	172	193
Tr	Towner-Hecla loamy fine sands	Hecla	35	180	237	279	310
Tv	Turton-Turton variant complex	Turton	55	139	185	218	243

South Dakota Lateral Effect Tables for Brown County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Tv	Turton-Turton variant complex	Turton	30	102	137	163	183
Un	Ulen fine sandy loam	Ulen	85	316	411	478	530
Us	Ulen-Stirum fine sandy loams	Ulen	60	316	411	478	530
Us	Ulen-Stirum fine sandy loams	Stirum	25	213	280	327	364
Va	Vallers clay loam	Vallers	85	40	57	70	81
Vs	Vallers loam, saline	Vallers	85	43	61	75	86
VzC	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	46	64	79	90
VzC	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	25	62	85	103	117
VzE	Vida-Zahl loams, 9 to 25 percent slopes	Vida	55	46	64	79	90
VzE	Vida-Zahl loams, 9 to 25 percent slopes	Zahl	25	62	85	103	117
WaB	Williams loam, 2 to 6 percent slopes	Williams	85	56	78	95	108
WbA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	60	56	78	95	108
WbA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	25	73	100	120	135
WbB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	56	78	95	108
WbB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	25	73	100	120	135
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	50	56	78	95	108
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	20	73	100	120	135
WdA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	15	70	96	116	131
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Williams	50	56	78	95	108
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Bowbells	20	73	100	120	135
WdB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Tonka	15	70	96	116	131
WfA	Williams-Cavour loams, 0 to 3 percent slopes	Williams	55	56	78	95	108
WfA	Williams-Cavour loams, 0 to 3 percent slopes	Cavour	25	57	80	97	110
WfB	Williams-Cavour loams, 3 to 6 percent slopes	Williams	55	56	78	95	108
WfB	Williams-Cavour loams, 3 to 6 percent slopes	Cavour	25	57	80	97	110
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Williams	50	56	78	95	108
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Cresbard	20	80	108	130	147
WhA	Williams-Cresbard-Tonka complex, 0 to 3 percent slopes	Tonka	15	70	96	116	131
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Williams	50	56	78	95	108
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Cresbard	20	65	89	108	122
WhB	Williams-Cresbard-Tonka complex, 0 to 6 percent slopes	Tonka	15	70	96	116	131
WnB	Williams-Niobell loams, 1 to 6 percent slopes	Williams	55	56	78	95	108
WnB	Williams-Niobell loams, 1 to 6 percent slopes	Niobell	30	76	104	125	141
WrD	Williams-Vida loams, 6 to 15 percent slopes	Williams	50	56	78	95	108
WrD	Williams-Vida loams, 6 to 15 percent slopes	Vida	35	46	64	79	90
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Williams	40	56	78	95	108
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Zahl	25	62	85	103	117
WsC	Williams-Zahl-Bowbells loams, 1 to 9 percent slopes	Bowbells	20	73	100	120	135
Wt	Winship-Tonka silt loams	Winship	60	124	166	196	220
Wt	Winship-Tonka silt loams	Tonka	25	70	96	116	131
Wy	Wyndmere fine sandy loam	Wyndmere	90	143	190	224	251
Wz	Wyndmere-Stirum fine sandy loams	Wyndmere	50	143	190	224	251
Wz	Wyndmere-Stirum fine sandy loams	Stirum	35	213	280	327	364
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Zahl	45	62	85	103	117
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Embden	25	84	114	136	154
ZaD	Zahl-Embden-Wabek variant complex, 3 to 15 percent slopes	Wabek	15	224	293	343	381
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Zahl	40	62	85	103	117
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Kloten	25	barrier	barrier	barrier	barrier
ZdE	Zahl-Kloten-Edgeley complex, 9 to 35 percent slopes	Edgeley	20	27	barrier	barrier	barrier
ZeA	Zell silt loam, 0 to 2 percent slopes	Zell	85	112	150	178	200
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Zell	55	112	150	178	200
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Great Bend	35	132	176	208	232

South Dakota Lateral Effect Tables for Brule and Buffalo Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Artesian silty clay loam	Artesian	80	82	107	124	137
BeB	Beadle loam, 2 to 6 percent slopes	Beadle	80	55	71	83	92
BeC	Beadle loam, 6 to 9 percent slopes	Beadle	75	55	71	83	92
BgB	Beadle-Jerauld complex, 1 to 5 percent slopes	Beadle	50	55	71	83	92
BgB	Beadle-Jerauld complex, 1 to 5 percent slopes	Jerauld	25	69	90	105	116
BmF	Betts-Java loams, 20 to 40 percent slopes	Betts	45	67	87	102	113
BmF	Betts-Java loams, 20 to 40 percent slopes	Java	30	73	95	110	122
Bn	Bon loam	Bon	80	113	145	169	186
Bo	Bon loam, channeled	Bon	80	108	139	162	178
Bu	Bullcreek clay	Bullcreek	82	69	90	105	116
Ca	Carter silt loam	Carter	75	108	139	161	178
Cp	Carter-Promise complex	Carter	60	108	139	161	178
Cp	Carter-Promise complex	Promise	30	99	127	148	163
Cr	Cavo-Jerauld silt loams	Cavo	60	91	118	137	151
Cr	Cavo-Jerauld silt loams	Jerauld	20	69	90	105	116
CsD	Chantier-Sansarc clays, 2 to 15 percent slopes	Chantier	60	barrier	barrier	barrier	barrier
CsD	Chantier-Sansarc clays, 2 to 15 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	DeGrey	35	95	122	142	157
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	Eakin	25	104	134	156	172
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	15	69	90	105	116
DeD	Delmont loam, 6 to 15 percent slopes	Delmont	80	531	677	781	858
Do	Dorna silt loam	Dorna	80	147	188	218	240
Du	Durrstein silt loam	Durrstein	80	63	82	95	106
EaA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	Eakin	45	104	134	156	172
EaA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	DeGrey	30	95	122	142	157
Eg	Egas silty clay loam	Egas	80	77	100	116	128
Ew	Egas variant silty clay loam	Egas	85	84	108	126	139
Fa	Farmsworth silt loam	Farmsworth	75	99	128	149	164
GeE	Gettys clay loam, 9 to 25 percent slopes	Gettys	75	52	68	80	89
GeF	Gettys clay loam, 25 to 40 percent slopes	Gettys	75	52	68	80	89
GhA	Glenham loam, 0 to 3 percent slopes	Glenham	75	53	69	81	90
GkB	Glenham-Java loams, 3 to 6 percent slopes	Glenham	55	53	69	81	90
GkB	Glenham-Java loams, 3 to 6 percent slopes	Java	20	73	95	110	122
HgB	Highmore-Java complex, 1 to 5 percent slopes	Highmore	50	87	112	131	144
HgB	Highmore-Java complex, 1 to 5 percent slopes	Java	25	73	95	110	122
HgC	Highmore-Java complex, 5 to 9 percent slopes	Highmore	40	87	112	131	144
HgC	Highmore-Java complex, 5 to 9 percent slopes	Java	35	73	95	110	122
HmA	Highmore-Mobridge silt loams, 0 to 4 percent slopes	Highmore	50	88	113	132	145
HmA	Highmore-Mobridge silt loams, 0 to 4 percent slopes	Mobridge	25	131	169	195	215
HoB	Hurley silt loam, 0 to 6 percent slopes	Hurley	75	34	barrier	barrier	barrier
HsA	Hurley-Slickspots complex, 1 to 4 percent slopes	Hurley	60	34	barrier	barrier	barrier
HsA	Hurley-Slickspots complex, 1 to 4 percent slopes	Slickspots	20	47	53	barrier	barrier
JbE	Java-Betts loams, 9 to 20 percent slopes	Java	50	73	95	110	122
JbE	Java-Betts loams, 9 to 20 percent slopes	Betts	30	67	87	102	113
JgC	Java-Glenham loams, 6 to 9 percent slopes	Java	40	73	95	110	122
JgC	Java-Glenham loams, 6 to 9 percent slopes	Glenham	35	53	69	81	90
Ko	Kolls silty clay	Kolls	95	57	74	86	96
La	Lane silty clay loam	Lane	75	81	105	123	135
Lf	Lane-Farmsworth complex	Lane	45	81	105	123	135
Lf	Lane-Farmsworth complex	Farmsworth	30	99	128	149	164
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	172	221	256	282
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	172	221	256	282
LvA	Lowry variant silt loam, 0 to 2 percent slopes	Lowry	100	397	507	584	643
LvB	Lowry variant silt loam, 2 to 6 percent slopes	Lowry	100	397	507	584	643
MaB	McClure silt loam, 2 to 6 percent slopes	McClure	75	102	132	153	169
MaC	McClure silt loam, 6 to 11 percent slopes	McClure	80	102	132	153	169
MbA	Millboro silty clay loam, 0 to 2 percent slopes	Millboro	99	73	95	111	122
MbB	Millboro silty clay loam, 2 to 6 percent slopes	Millboro	100	73	95	111	122
MbC	Millboro silty clay loam, 6 to 9 percent slopes	Millboro	90	73	95	111	122
MoA	Mobridge silt loam	Mobridge	75	131	169	195	215
Mp	Mobridge-Plankinton silt loams	Mobridge	60	131	169	195	215
Mp	Mobridge-Plankinton silt loams	Plankinton	25	81	104	121	134

South Dakota Lateral Effect Tables for Brule and Buffalo Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Oa	Oahe loam, 0 to 2 percent slopes	Oahe	80	203	259	300	330
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Oahe	45	203	259	300	330
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Delmont	35	531	677	781	858
OeF	Okaton bouldery silty clay, 15 to 40 percent slopes	Okaton	75	barrier	barrier	barrier	barrier
OkB	Oko loam, 2 to 7 percent slopes	Oko	75	57	74	86	96
OmB	Opal silty clay, 2 to 6 percent slopes	Opal	90	49	54	barrier	barrier
OmC	Opal silty clay, 6 to 11 percent slopes	Opal	75	49	54	barrier	barrier
OpB	Opal clay, saline, 1 to 6 percent slopes	Opal	90	44	48	barrier	barrier
OtA	Orton loam, 0 to 2 percent slopes	Orton	80	455	580	669	736
OtB	Orton loam, 2 to 6 percent slopes	Orton	80	455	580	669	736
OwE	Orton-Schamber loams, 9 to 25 percent slopes	Orton	45	455	580	669	736
OwE	Orton-Schamber loams, 9 to 25 percent slopes	Schamber	35	330	422	487	536
Pa	Plankinton silt loam	Plankinton	90	81	104	121	134
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	75	99	127	148	163
PrB	Promise silty clay, 2 to 6 percent slopes	Promise	85	99	127	148	163
ReA	Ree loam, 0 to 3 percent slopes	Ree	75	131	169	195	216
ReB	Ree loam, 3 to 7 percent slopes	Ree	75	131	169	195	216
RsF	Rock outcrop-Sansarc complex, 15 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 12 to 20 percent slopes	Sansarc	45	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 12 to 20 percent slopes	Opal	30	50	55	barrier	barrier
SaF	Sansarc-Opal clays, 20 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
SaF	Sansarc-Opal clays, 20 to 40 percent slopes	Opal	20	50	55	barrier	barrier
ScE	Schamber loam, 9 to 30 percent slopes	Schamber	75	330	422	487	536
SdF	Sully silt loam, 25 to 40 percent slopes	Sully	90	140	180	208	230
SoC	Sully-Lowry silt loams, 6 to 9 percent slopes	Sully	60	140	180	208	230
SoC	Sully-Lowry silt loams, 6 to 9 percent slopes	Lowry	30	172	221	256	282
SoE	Sully-Lowry silt loams, 9 to 25 percent slopes	Sully	55	140	180	208	230
SoE	Sully-Lowry silt loams, 9 to 25 percent slopes	Lowry	25	172	221	256	282
SsE	Sully-Schamber complex, 9 to 25 percent slopes	Sully	60	140	180	208	230
SsE	Sully-Schamber complex, 9 to 25 percent slopes	Schamber	20	330	422	487	536
UaA	Uly silt loam, 0 to 2 percent slopes	Uly	85	120	155	179	198
UaB	Uly silt loam, 2 to 6 percent slopes	Uly	85	120	155	179	198
UaC	Uly silt loam, 6 to 9 percent slopes	Uly	85	120	155	179	198
Wd	Wendte silty clay	Wendte	80	82	107	124	137
We	Wendte silty clay, channeled	Wendte	75	82	107	124	137
Wo	Worthing silty clay loam	Worthing	99	65	85	99	110
Wp	Worthing silty clay loam, ponded	Worthing	100	71	92	108	119

South Dakota Lateral Effect Tables for Brule and Buffalo Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Artesian silty clay loam	Artesian	80	70	96	115	130
BeB	Beadle loam, 2 to 6 percent slopes	Beadle	80	43	61	75	86
BeC	Beadle loam, 6 to 9 percent slopes	Beadle	75	43	61	75	86
BgB	Beadle-Jerauld complex, 1 to 5 percent slopes	Beadle	50	43	61	75	86
BgB	Beadle-Jerauld complex, 1 to 5 percent slopes	Jerauld	25	57	79	96	109
BmF	Betts-Java loams, 20 to 40 percent slopes	Betts	45	55	77	93	106
BmF	Betts-Java loams, 20 to 40 percent slopes	Java	30	61	84	102	115
Bn	Bon loam	Bon	80	99	134	160	179
Bo	Bon loam, channeled	Bon	80	95	128	152	171
Bu	Bullcreek clay	Bullcreek	82	57	79	96	109
Ca	Carter silt loam	Carter	75	94	127	152	171
Cp	Carter-Promise complex	Carter	60	94	127	152	171
Cp	Carter-Promise complex	Promise	30	85	116	139	156
Cr	Cavo-Jerauld silt loams	Cavo	60	78	106	128	144
Cr	Cavo-Jerauld silt loams	Jerauld	20	57	79	96	109
CsD	Chantier-Sansarc clays, 2 to 15 percent slopes	Chantier	60	barrier	barrier	barrier	barrier
CsD	Chantier-Sansarc clays, 2 to 15 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	DeGrey	35	82	111	133	150
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	Eakin	25	91	123	147	165
DaA	DeGrey-Eakin-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	15	57	79	96	109
DeD	Delmont loam, 6 to 15 percent slopes	Delmont	80	516	665	771	851
Do	Dorna silt loam	Dorna	80	133	177	209	233
Du	Durrstein silt loam	Durrstein	80	51	71	87	99
EaA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	Eakin	45	91	123	147	165
EaA	Eakin-DeGrey silt loams, 0 to 3 percent slopes	DeGrey	30	82	111	133	150
Eg	Egas silty clay loam	Egas	80	64	89	107	121
Ew	Egas variant silty clay loam	Egas	85	71	97	117	132
Fa	Farmsworth silt loam	Farmsworth	75	86	117	140	158
GeE	Gettys clay loam, 9 to 25 percent slopes	Gettys	75	41	58	72	82
GeF	Gettys clay loam, 25 to 40 percent slopes	Gettys	75	41	58	72	82
GhA	Glenham loam, 0 to 3 percent slopes	Glenham	75	42	59	73	84
GkB	Glenham-Java loams, 3 to 6 percent slopes	Glenham	55	42	59	73	84
GkB	Glenham-Java loams, 3 to 6 percent slopes	Java	20	61	84	102	115
HgB	Highmore-Java complex, 1 to 5 percent slopes	Highmore	50	74	101	122	137
HgB	Highmore-Java complex, 1 to 5 percent slopes	Java	25	61	84	102	115
HgC	Highmore-Java complex, 5 to 9 percent slopes	Highmore	40	74	101	122	137
HgC	Highmore-Java complex, 5 to 9 percent slopes	Java	35	61	84	102	115
HmA	Highmore-Mobridge silt loams, 0 to 4 percent slopes	Highmore	50	75	102	123	139
HmA	Highmore-Mobridge silt loams, 0 to 4 percent slopes	Mobridge	25	117	157	186	208
HoB	Hurley silt loam, 0 to 6 percent slopes	Hurley	75	34	barrier	barrier	barrier
HsA	Hurley-Slickspots complex, 1 to 4 percent slopes	Hurley	60	34	barrier	barrier	barrier
HsA	Hurley-Slickspots complex, 1 to 4 percent slopes	Slickspots	20	45	52	barrier	barrier
JbE	Java-Betts loams, 9 to 20 percent slopes	Java	50	61	84	102	115
JbE	Java-Betts loams, 9 to 20 percent slopes	Betts	30	55	77	93	106
JgC	Java-Glenham loams, 6 to 9 percent slopes	Java	40	61	84	102	115
JgC	Java-Glenham loams, 6 to 9 percent slopes	Glenham	35	42	59	73	84
Ko	Kolls silty clay	Kolls	95	45	64	78	89
La	Lane silty clay loam	Lane	75	69	94	114	129
Lf	Lane-Farmsworth complex	Lane	45	69	94	114	129
Lf	Lane-Farmsworth complex	Farmsworth	30	86	117	140	158
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	158	209	246	274
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	158	209	246	274
LvA	Lowry variant silt loam, 0 to 2 percent slopes	Lowry	100	382	494	575	635
LvB	Lowry variant silt loam, 2 to 6 percent slopes	Lowry	100	382	494	575	635
MaB	McClure silt loam, 2 to 6 percent slopes	McClure	75	89	121	144	162
MaC	McClure silt loam, 6 to 11 percent slopes	McClure	80	89	121	144	162
MbA	Millboro silty clay loam, 0 to 2 percent slopes	Millboro	99	61	84	102	116
MbB	Millboro silty clay loam, 2 to 6 percent slopes	Millboro	100	61	84	102	116
MbC	Millboro silty clay loam, 6 to 9 percent slopes	Millboro	90	61	84	102	116
MoA	Mobridge silt loam	Mobridge	75	117	157	186	208
Mp	Mobridge-Plankinton silt loams	Mobridge	60	117	157	186	208
Mp	Mobridge-Plankinton silt loams	Plankinton	25	68	93	112	127

South Dakota Lateral Effect Tables for Brule and Buffalo Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Oa	Oahe loam, 0 to 2 percent slopes	Oahe	80	188	247	290	323
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Oahe	45	188	247	290	323
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Delmont	35	516	665	771	851
OeF	Okaton bouldery silty clay, 15 to 40 percent slopes	Okaton	75	barrier	barrier	barrier	barrier
OkB	Oko loam, 2 to 7 percent slopes	Oko	75	45	64	78	89
OmB	Opal silty clay, 2 to 6 percent slopes	Opal	90	48	54	barrier	barrier
OmC	Opal silty clay, 6 to 11 percent slopes	Opal	75	48	54	barrier	barrier
OpB	Opal clay, saline, 1 to 6 percent slopes	Opal	90	42	48	barrier	barrier
OtA	Orton loam, 0 to 2 percent slopes	Orton	80	440	568	659	728
OtB	Orton loam, 2 to 6 percent slopes	Orton	80	440	568	659	728
OwE	Orton-Schamber loams, 9 to 25 percent slopes	Orton	45	440	568	659	728
OwE	Orton-Schamber loams, 9 to 25 percent slopes	Schamber	35	315	410	477	528
Pa	Plankinton silt loam	Plankinton	90	68	93	112	127
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	75	85	116	139	156
PrB	Promise silty clay, 2 to 6 percent slopes	Promise	85	85	116	139	156
ReA	Ree loam, 0 to 3 percent slopes	Ree	75	117	157	186	208
ReB	Ree loam, 3 to 7 percent slopes	Ree	75	117	157	186	208
RsF	Rock outcrop-Sansarc complex, 15 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 12 to 20 percent slopes	Sansarc	45	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 12 to 20 percent slopes	Opal	30	48	55	barrier	barrier
SaF	Sansarc-Opal clays, 20 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
SaF	Sansarc-Opal clays, 20 to 40 percent slopes	Opal	20	48	55	barrier	barrier
ScE	Schamber loam, 9 to 30 percent slopes	Schamber	75	315	410	477	528
SdF	Sully silt loam, 25 to 40 percent slopes	Sully	90	126	168	199	223
SoC	Sully-Lowry silt loams, 6 to 9 percent slopes	Sully	60	126	168	199	223
SoC	Sully-Lowry silt loams, 6 to 9 percent slopes	Lowry	30	158	209	246	274
SoE	Sully-Lowry silt loams, 9 to 25 percent slopes	Sully	55	126	168	199	223
SoE	Sully-Lowry silt loams, 9 to 25 percent slopes	Lowry	25	158	209	246	274
SsE	Sully-Schamber complex, 9 to 25 percent slopes	Sully	60	126	168	199	223
SsE	Sully-Schamber complex, 9 to 25 percent slopes	Schamber	20	315	410	477	528
UaA	Uly silt loam, 0 to 2 percent slopes	Uly	85	107	143	170	191
UaB	Uly silt loam, 2 to 6 percent slopes	Uly	85	107	143	170	191
UaC	Uly silt loam, 6 to 9 percent slopes	Uly	85	107	143	170	191
Wd	Wendte silty clay	Wendte	80	70	96	115	130
We	Wendte silty clay, channeled	Wendte	75	70	96	115	130
Wo	Worthing silty clay loam	Worthing	99	53	74	90	103
Wp	Worthing silty clay loam, ponded	Worthing	100	59	82	99	112

South Dakota Lateral Effect Tables for Campbell County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
1A	Bowbells loam	Bowbells	0	83	108	126	139
2	Grail silty clay loam	Grail	0	72	93	108	120
4	Grassna silt loam	Grassna	0	132	169	196	216
5	Williams-Noonan loams, 0 to 4 percent slopes	Williams	0	71	92	107	118
5	Williams-Noonan loams, 0 to 4 percent slopes	Noonan	0	84	109	127	140
7A	Hamerly silt loam, 0 to 3 percent slopes	Hamerly	0	83	107	125	138
7B	Hamerly silt loam, 3 to 6 percent slopes	Hamerly	0	83	107	125	138
9C	Seroco loamy fine sand, 2 to 15 percent slopes	Seroco	0	332	424	489	538
9E	Seroco-Dune land complex	Seroco	0	332	424	489	538
10	Capa silt loam, 0 to 6 percent slopes	Capa	0	83	107	125	138
11	Capa-Slickspots complex, 0 to 6 percent slopes	Capa	0	83	107	125	138
13A	Tally fine sandy loam, 0 to 3 percent slopes	Tally	0	162	208	240	265
13B	Tally fine sandy loam, 3 to 6 percent slopes	Tally	0	162	208	240	265
13C	Tally fine sandy loam, 6 to 9 percent slopes	Tally	0	162	208	240	265
15	Harriet silt loam	Harriet	0	100	129	150	165
16	Egas silty clay loam	Egas	0	88	114	133	147
17	Hecla loamy sand	Hecla	0	282	361	417	459
18	Parshall fine sandy loam	Parshall	0	182	233	269	297
19	Heil silt loam	Heil	0	58	76	88	98
20D	Sully silt loam, 9 to 25 percent slopes	Sully	0	137	176	204	224
21A	Linton-Grassna silt loams, 0 to 3 percent slopes	Linton	0	178	229	264	291
21A	Linton-Grassna silt loams, 0 to 3 percent slopes	Grassna	0	132	169	196	216
21B	Linton silt loam, 3 to 6 percent slopes	Linton	0	178	229	264	291
21C	Linton-Sutley silt loams, 6 to 9 percent slopes	Linton	0	178	229	264	291
21C	Linton-Sutley silt loams, 6 to 9 percent slopes	Sutley	0	187	240	277	305
21D	Sully-Zahl complex, 9 to 40 percent slopes	Sully	0	137	176	204	224
21D	Sully-Zahl complex, 9 to 40 percent slopes	Zahl	0	73	95	111	123
22B	Linton-Sutley silt loams, 2 to 6 percent slopes	Linton	0	178	229	264	291
22B	Linton-Sutley silt loams, 2 to 6 percent slopes	Sutley	0	187	240	277	305
22C	Linton silt loam, 6 to 9 percent slopes	Linton	0	178	229	264	291
24A	Yecross loamy sand, 0 to 6 percent slopes	Yecross	0	299	382	441	485
24C	Yecross loamy sand, 6 to 15 percent slopes	Yecross	0	299	382	441	485
27B	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	0	301	384	443	488
27C	Maddock loamy fine sand, 6 to 12 percent slopes	Maddock	0	301	384	443	488
28	Wyndmere fine sandy loam, 0 to 3 percent slopes	Wyndmere	0	150	193	224	246
29	Vallers loam	Vallers	0	62	81	94	104
30	Parnell silty clay loam, ponded	Parnell	0	102	132	153	169
31E	Lihen loamy fine sand, 9 to 20 percent slopes	Lihen	0	144	185	214	236
34A	Bowdle loam, 0 to 3 percent slopes	Bowdle	0	491	626	721	793
34B	Bowdle loam, 3 to 6 percent slopes	Bowdle	0	491	626	721	793
36B	Lehr-Wabek loams, 2 to 6 percent slopes	Lehr	0	526	670	773	850
36B	Lehr-Wabek loams, 2 to 6 percent slopes	Wabek	0	579	737	850	934
38	Parnell silty clay loam	Parnell	0	102	132	153	169
41A	Promise clay, 0 to 3 percent slopes	Promise	0	102	132	153	169
41B	Promise clay, 3 to 6 percent slopes	Promise	0	102	132	153	169
41C	Promise-Opal clays, 6 to 9 percent slopes	Promise	0	102	132	153	169
51	Tonka silt loam	Tonka	0	84	109	126	140
52A	Lehr loam, 0 to 3 percent slopes	Lehr	0	526	670	773	850
52B	Lehr loam, 3 to 6 percent slopes	Lehr	0	526	670	773	850
53D	Wabek-Lehr loams, 6 to 15 percent slopes	Wabek	0	579	737	850	934
53D	Wabek-Lehr loams, 6 to 15 percent slopes	Lehr	0	526	670	773	850
53E	Wabek loam, 9 to 25 percent slopes	Wabek	0	579	737	850	934
54	Divide loam, 0 to 4 percent slopes	Divide	0	519	662	763	839
56	Regan silt loam	Regan	0	169	216	250	276
57A	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	0	71	92	107	118
57A	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	0	83	108	126	139
57B	Williams-Bowbells loams, 3 to 6 percent slopes	Williams	0	71	92	107	118
57B	Williams-Bowbells loams, 3 to 6 percent slopes	Bowbells	0	83	108	126	139
57C	Williams-Vida loams, 6 to 9 percent slopes	Williams	0	71	92	107	118
57C	Williams-Vida loams, 6 to 9 percent slopes	Vida	0	62	80	94	104
58B	Williams-Vida loams, 3 to 6 percent slopes	Williams	0	71	92	107	118
58B	Williams-Vida loams, 3 to 6 percent slopes	Vida	0	62	80	94	104

South Dakota Lateral Effect Tables for Campbell County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
59D	Vida-Zahl loams, 6 to 15 percent slopes	Vida	0	62	80	94	104
59D	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	0	73	95	111	123
61E	Zahl-Vida loams, 9 to 30 percent slopes	Zahl	0	73	95	111	123
61E	Zahl-Vida loams, 9 to 30 percent slopes	Vida	0	62	80	94	104
62	Vida very stony loam, 3 to 15 percent slopes	Vida	0	62	80	94	104
65B	Bryant-Sutley silt loams, 2 to 6 percent slopes	Bryant	0	136	174	202	223
65B	Bryant-Sutley silt loams, 2 to 6 percent slopes	Sutley	0	187	240	277	305
65C	Bryant-Sutley silt loams, 6 to 9 percent slopes	Bryant	0	136	174	202	223
65C	Bryant-Sutley silt loams, 6 to 9 percent slopes	Sutley	0	187	240	277	305
65D	Sutley-Linton silt loams, 9 to 15 percent slopes	Sutley	0	187	240	277	305
65D	Sutley-Linton silt loams, 9 to 15 percent slopes	Linton	0	178	229	264	291
66	Arveson fine sandy loam	Arveson	0	281	359	415	456
67A	Farnuf loam, 0 to 3 percent slopes	Farnuf	0	132	170	197	218
67B	Farnuf loam, 3 to 6 percent slopes	Farnuf	0	132	170	197	218
68A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Bryant	0	136	174	202	223
68A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Grassna	0	132	169	196	216
68B	Bryant silt loam, 3 to 6 percent slopes	Bryant	0	136	174	202	223
68C	Bryant silt loam, 6 to 9 percent slopes	Bryant	0	136	174	202	223
71	Ranslo-Harriet silt loams	Ranslo	0	30	174	201	222
71	Ranslo-Harriet silt loams	Harriet	0	30	129	150	165
72	Straw loam, channeled	Straw	0	30	138	160	176
74A	Savage silt loam, 0 to 3 percent slopes	Savage	0	80	104	121	133
74B	Savage silt loam, 3 to 6 percent slopes	Savage	0	80	104	121	133
77	Pits, gravel	Orthents	0	568	724	834	917
80	Ranslo silt loam	Ranslo	0	135	174	201	222
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
11	Capa-Slickspots complex, 0 to 6 percent slopes	Slickspots	35	barrier	barrier	barrier	barrier
32F	Flasher loamy fine sand, 25 to 50 percent slopes	Flasher	90	barrier	barrier	barrier	barrier
39E	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
39E	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	35	barrier	barrier	barrier	barrier
40B	Opal clay, 3 to 6 percent slopes	Opal	90	barrier	barrier	barrier	barrier
40C	Opal clay, 6 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
40D	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	barrier	barrier	barrier	barrier
40D	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
41C	Promise-Opal clays, 6 to 9 percent slopes	Opal	35	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Campbell County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
1A	Bowbells loam	Bowbells	85	71	97	117	132
2	Grail silty clay loam	Grail	85	59	82	100	113
4	Grassna silt loam	Grassna	85	118	158	187	209
5	Williams-Noonan loams, 0 to 4 percent slopes	Williams	45	58	81	98	111
5	Williams-Noonan loams, 0 to 4 percent slopes	Noonan	30	71	98	118	133
7A	Hamerly silt loam, 0 to 3 percent slopes	Hamerly	85	70	96	116	131
7B	Hamerly silt loam, 3 to 6 percent slopes	Hamerly	90	70	96	116	131
9C	Seroco loamy fine sand, 2 to 15 percent slopes	Seroco	90	317	411	479	531
9E	Seroco-Dune land complex	Seroco	45	317	411	479	531
10	Capa silt loam, 0 to 6 percent slopes	Capa	85	70	96	116	131
11	Capa-Slickspots complex, 0 to 6 percent slopes	Capa	50	70	96	116	131
13A	Tally fine sandy loam, 0 to 3 percent slopes	Tally	90	148	196	231	257
13B	Tally fine sandy loam, 3 to 6 percent slopes	Tally	85	148	196	231	257
13C	Tally fine sandy loam, 6 to 9 percent slopes	Tally	85	148	196	231	257
15	Harriet silt loam	Harriet	90	87	118	141	158
16	Egas silty clay loam	Egas	90	76	103	124	140
17	Hecla loamy sand	Hecla	85	268	349	407	451
18	Parshall fine sandy loam	Parshall	85	167	221	260	290
19	Heil silt loam	Heil	95	47	65	80	91
20D	Sully silt loam, 9 to 25 percent slopes	Sully	85	123	164	194	217
21A	Linton-Grassna silt loams, 0 to 3 percent slopes	Linton	40	164	217	255	284
21A	Linton-Grassna silt loams, 0 to 3 percent slopes	Grassna	35	118	158	187	209
21B	Linton silt loam, 3 to 6 percent slopes	Linton	85	164	217	255	284
21C	Linton-Sutley silt loams, 6 to 9 percent slopes	Linton	50	164	217	255	284
21C	Linton-Sutley silt loams, 6 to 9 percent slopes	Sutley	35	173	228	268	298
21D	Sully-Zahl complex, 9 to 40 percent slopes	Sully	45	123	164	194	217
21D	Sully-Zahl complex, 9 to 40 percent slopes	Zahl	40	61	84	102	116
22B	Linton-Sutley silt loams, 2 to 6 percent slopes	Linton	55	164	217	255	284
22B	Linton-Sutley silt loams, 2 to 6 percent slopes	Sutley	30	173	228	268	298
22C	Linton silt loam, 6 to 9 percent slopes	Linton	85	164	217	255	284
24A	Yecross loamy sand, 0 to 6 percent slopes	Yecross	85	284	370	431	478
24C	Yecross loamy sand, 6 to 15 percent slopes	Yecross	85	284	370	431	478
27B	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	286	372	434	481
27C	Maddock loamy fine sand, 6 to 12 percent slopes	Maddock	85	286	372	434	481
28	Wyndmere fine sandy loam, 0 to 3 percent slopes	Wyndmere	90	136	181	214	239
29	Vallers loam	Vallers	85	50	70	86	98
30	Parnell silty clay loam, ponded	Parnell	90	89	121	144	162
31E	Lihen loamy fine sand, 9 to 20 percent slopes	Lihen	85	130	173	204	228
34A	Bowdle loam, 0 to 3 percent slopes	Bowdle	85	476	613	711	786
34B	Bowdle loam, 3 to 6 percent slopes	Bowdle	85	476	613	711	786
36B	Lehr-Wabek loams, 2 to 6 percent slopes	Lehr	55	511	658	763	842
36B	Lehr-Wabek loams, 2 to 6 percent slopes	Wabek	35	563	725	840	927
38	Parnell silty clay loam	Parnell	90	89	121	144	162
41A	Promise clay, 0 to 3 percent slopes	Promise	85	89	121	144	162
41B	Promise clay, 3 to 6 percent slopes	Promise	90	89	121	144	162
41C	Promise-Opal clays, 6 to 9 percent slopes	Promise	55	89	121	144	162
51	Tonka silt loam	Tonka	85	71	98	117	133
52A	Lehr loam, 0 to 3 percent slopes	Lehr	90	511	658	763	842
52B	Lehr loam, 3 to 6 percent slopes	Lehr	85	511	658	763	842
53D	Wabek-Lehr loams, 6 to 15 percent slopes	Wabek	50	563	725	840	927
53D	Wabek-Lehr loams, 6 to 15 percent slopes	Lehr	40	511	658	763	842
53E	Wabek loam, 9 to 25 percent slopes	Wabek	85	563	725	840	927
54	Divide loam, 0 to 4 percent slopes	Divide	85	504	649	753	831
56	Regan silt loam	Regan	85	154	205	241	269
57A	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	50	58	81	98	111
57A	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	35	71	97	117	132
57B	Williams-Bowbells loams, 3 to 6 percent slopes	Williams	50	58	81	98	111
57B	Williams-Bowbells loams, 3 to 6 percent slopes	Bowbells	35	71	97	117	132
57C	Williams-Vida loams, 6 to 9 percent slopes	Williams	50	58	81	98	111
57C	Williams-Vida loams, 6 to 9 percent slopes	Vida	35	50	70	85	97
58B	Williams-Vida loams, 3 to 6 percent slopes	Williams	50	58	81	98	111
58B	Williams-Vida loams, 3 to 6 percent slopes	Vida	35	50	70	85	97

South Dakota Lateral Effect Tables for Campbell County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
59D	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	50	70	85	97
59D	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	35	61	84	102	116
61E	Zahl-Vida loams, 9 to 30 percent slopes	Zahl	45	61	84	102	116
61E	Zahl-Vida loams, 9 to 30 percent slopes	Vida	40	50	70	85	97
62	Vida very stony loam, 3 to 15 percent slopes	Vida	85	50	70	85	97
65B	Bryant-Sutley silt loams, 2 to 6 percent slopes	Bryant	55	122	163	193	216
65B	Bryant-Sutley silt loams, 2 to 6 percent slopes	Sutley	30	173	228	268	298
65C	Bryant-Sutley silt loams, 6 to 9 percent slopes	Bryant	45	122	163	193	216
65C	Bryant-Sutley silt loams, 6 to 9 percent slopes	Sutley	40	173	228	268	298
65D	Sutley-Linton silt loams, 9 to 15 percent slopes	Sutley	45	173	228	268	298
65D	Sutley-Linton silt loams, 9 to 15 percent slopes	Linton	40	164	217	255	284
66	Arveson fine sandy loam	Arveson	85	266	347	405	449
67A	Farnuf loam, 0 to 3 percent slopes	Farnuf	85	119	159	188	211
67B	Farnuf loam, 3 to 6 percent slopes	Farnuf	85	119	159	188	211
68A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Bryant	45	122	163	193	216
68A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Grassna	40	118	158	187	209
68B	Bryant silt loam, 3 to 6 percent slopes	Bryant	90	122	163	193	216
68C	Bryant silt loam, 6 to 9 percent slopes	Bryant	85	122	163	193	216
71	Ranslo-Harriet silt loams	Ranslo	55	29	162	192	215
71	Ranslo-Harriet silt loams	Harriet	30	29	118	141	158
72	Straw loam, channeled	Straw	85	29	126	151	170
74A	Savage silt loam, 0 to 3 percent slopes	Savage	85	68	93	112	127
74B	Savage silt loam, 3 to 6 percent slopes	Savage	90	68	93	112	127
77	Pits, gravel	Orthents	99	553	711	824	910
80	Ranslo silt loam	Ranslo	90	121	162	192	215
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
11	Capa-Slickspots complex, 0 to 6 percent slopes	Slickspots	35	barrier	barrier	barrier	barrier
32F	Flasher loamy fine sand, 25 to 50 percent slopes	Flasher	90	barrier	barrier	barrier	barrier
39E	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
39E	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	35	barrier	barrier	barrier	barrier
40B	Opal clay, 3 to 6 percent slopes	Opal	90	barrier	barrier	barrier	barrier
40C	Opal clay, 6 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
40D	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	barrier	barrier	barrier	barrier
40D	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
41C	Promise-Opal clays, 6 to 9 percent slopes	Opal	35	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Charles Mix County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 2 percent slopes	Agar	90	123	158	183	202
AaB	Agar silt loam, 2 to 6 percent slopes	Agar	90	123	158	183	202
AaC	Agar silt loam, 6 to 9 percent slopes	Agar	85	123	158	183	202
Ab	Albaton silty clay	Albaton	85	65	85	99	109
An	Albaton silty clay, depressional	Albaton	95	72	94	109	121
Ao	Aowa silty clay loam	Aowa	90	94	122	141	156
Ar	Arlo silt loam, wet	Arlo	95	320	408	471	518
AsA	Arlo-Enet loams, 0 to 2 percent slopes	Arlo	45	179	230	266	293
AsA	Arlo-Enet loams, 0 to 2 percent slopes	Enet	35	518	660	761	837
BbC	Beadle-Eakin complex, 6 to 9 percent slopes	Beadle	50	54	71	83	92
BbC	Beadle-Eakin complex, 6 to 9 percent slopes	Eakin	35	88	113	132	146
BcA	Beadle-Jerauld complex, 0 to 4 percent slopes	Beadle	55	54	71	83	92
BcA	Beadle-Jerauld complex, 0 to 4 percent slopes	Jerauld	30	72	93	108	120
BdF	Betts loam, 25 to 40 percent slopes	Betts	85	53	69	80	89
BeE	Betts-Ethan loams, 9 to 25 percent slopes	Betts	45	53	69	80	89
BeE	Betts-Ethan loams, 9 to 25 percent slopes	Ethan	35	60	79	92	102
Bn	Bon silt loam	Bon	85	122	156	181	200
Bo	Bon silt loam, channeled	Bon	85	117	151	175	193
BsD	Boyd-Sansarc complex, 6 to 15 percent slopes	Boyd	55	37	barrier	barrier	barrier
BsD	Boyd-Sansarc complex, 6 to 15 percent slopes	Sansarc	35	barrier	barrier	barrier	barrier
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	55	68	88	103	114
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	25	60	79	92	102
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	55	68	88	103	114
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	60	79	92	102
Da	DeGrey-Jerauld silt loams	DeGrey	50	81	104	122	134
Da	DeGrey-Jerauld silt loams	Jerauld	30	72	93	108	120
Db	DeGrey-Walke silt loams	DeGrey	45	81	104	122	134
Db	DeGrey-Walke silt loams	Walke	35	92	119	139	153
DmC	Delmont-Talmo complex, 2 to 9 percent slopes	Delmont	50	511	651	750	825
DmC	Delmont-Talmo complex, 2 to 9 percent slopes	Talmo	30	477	608	701	771
DnA	Dorna silt loam, 0 to 4 percent slopes	Dorna	85	134	173	200	221
Du	Durrstein silt loam	Durrstein	90	60	78	91	100
EaA	Eakin silt loam, 0 to 2 percent slopes	Eakin	85	88	113	132	146
EbB	Eakin-Beadle complex, 2 to 6 percent slopes	Eakin	45	88	113	132	146
EbB	Eakin-Beadle complex, 2 to 6 percent slopes	Beadle	40	54	71	83	92
EdA	Eakin-DeGrey silt loams, 0 to 4 percent slopes	Eakin	55	88	113	132	146
EdA	Eakin-DeGrey silt loams, 0 to 4 percent slopes	DeGrey	25	81	104	122	134
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Eakin	55	88	113	132	146
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Ethan	25	60	79	92	102
EeC	Eakin-Ethan complex, 6 to 9 percent slopes	Eakin	50	88	113	132	146
EeC	Eakin-Ethan complex, 6 to 9 percent slopes	Ethan	30	60	79	92	102
EmA	Enet loam, 0 to 2 percent slopes	Enet	90	518	660	761	837
EnC	Enet-Delmont loams, 2 to 9 percent slopes	Enet	50	518	660	761	837
EnC	Enet-Delmont loams, 2 to 9 percent slopes	Delmont	35	511	651	750	825
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	45	60	79	92	102
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	40	68	88	103	114
EuC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	70	60	79	92	102
EuC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	20	77	100	117	129
GsE	Gavins-Sansarc complex, 15 to 25 percent slopes	Gavins	70	barrier	barrier	barrier	barrier
GsE	Gavins-Sansarc complex, 15 to 25 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
Gv	Graceville silt loam	Graceville	90	327	418	482	530
HaA	Hand loam, 0 to 2 percent slopes	Hand	85	99	128	149	164
Hb	Haynie silt loam	Haynie	90	190	244	282	310
Hc	Haynie variant silt loam	Haynie	90	169	216	250	276
HeB	Henkin loam, 2 to 6 percent slopes	Henkin	90	132	169	196	216
HgA	Highmore silt loam, 0 to 2 percent slopes	Highmore	85	73	95	110	122
HhB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	50	73	95	110	122
HhB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	25	88	113	132	146
HlA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	60	73	95	110	122
HlA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	25	92	119	139	153
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Homme	40	77	100	117	129
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Ethan	30	60	79	92	102

South Dakota Lateral Effect Tables for Charles Mix County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Onita	15	95	122	142	157
HoA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	77	100	117	129
HoA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	30	94	122	142	156
HoB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Homme	60	77	100	117	129
HoB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Onita	25	95	122	142	157
HuA	Houdek loam, 0 to 2 percent slopes	Houdek	85	69	90	105	116
HuB	Houdek loam, 2 to 6 percent slopes	Houdek	85	69	90	105	116
Hv	Hoven silt loam	Hoven	85	91	118	137	152
InB	Inavale fine sand, 2 to 6 percent slopes	Inavale	80	317	404	467	513
InB	Inavale fine sand, 2 to 6 percent slopes	Norway	20	332	424	489	538
IvA	Inavale loamy fine sand, 0 to 6 percent slopes	Inavale	90	191	244	283	311
Ix	Norway loamy fine sand	Norway	90	332	424	489	538
LaA	Lane silty clay loam, 0 to 2 percent slopes	Lane	90	79	103	120	132
LaB	Lane silty clay loam, 2 to 6 percent slopes	Lane	90	79	103	120	132
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	85	166	213	247	272
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	85	166	213	247	272
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	85	166	214	247	272
LrF	Lowry-Gavins silt loams, 6 to 40 percent slopes	Lowry	55	166	213	247	272
LrF	Lowry-Gavins silt loams, 6 to 40 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
LsD	Lowry-Sully silt loams, 9 to 15 percent slopes	Lowry	55	166	213	247	272
LsD	Lowry-Sully silt loams, 9 to 15 percent slopes	Sully	30	135	174	201	222
MeE	Meadin loam, 15 to 30 percent slopes	Meadin	90	399	509	587	646
Mo	Mobridge silt loam	Mobridge	90	125	161	186	205
Mu	Munjor fine sandy loam	Munjor	90	244	312	361	397
OeF	Okaton silty clay, 15 to 40 percent slopes	Okaton	90	barrier	barrier	barrier	barrier
Oh	Onawa fine sandy loam, overwash	Onawa	90	74	96	112	124
Om	Onawa silty clay	Onawa	90	77	100	117	129
On	Onita silt loam, 0 to 2 percent slopes	Onita	85	104	134	156	172
Oo	Onita-Davison complex	Onita	50	96	123	143	158
Oo	Onita-Davison complex	Davison	35	98	126	146	161
Os	Onita-Hoven silt loams	Onita	60	104	134	156	172
Os	Onita-Hoven silt loams	Hoven	25	93	120	139	154
Ot	Onita-Tetonka silt loams	Onita	55	104	134	156	172
Ot	Onita-Tetonka silt loams	Tetonka	25	100	129	150	166
PoA	Promise silty clay, 0 to 2 percent slopes	Promise	90	96	124	144	159
PoB	Promise silty clay, 2 to 6 percent slopes	Promise	90	96	124	144	159
Pr	Prosper loam	Prosper	90	78	101	117	130
Sa	Salmo silty clay loam	Salmo	85	80	103	120	133
Sm	Salmo-Napa complex	Salmo	50	80	103	120	133
Sm	Salmo-Napa complex	Napa	35	87	113	131	144
SnF	Sansarc clay, 25 to 70 percent slopes	Sansarc	85	barrier	barrier	barrier	barrier
SoF	Sansarc-Boyd complex, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SoF	Sansarc-Boyd complex, 15 to 40 percent slopes	Boyd	30	37	barrier	barrier	barrier
SrF	Sansarc-Rock outcrop complex, 15 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
SuE	Sully silt loam, 9 to 25 percent slopes	Sully	80	135	174	201	222
TaC	Talmo gravelly sandy loam, 2 to 9 percent slopes	Talmo	100	363	463	534	588
TbE	Talmo-Betts complex, 9 to 25 percent slopes	Talmo	70	477	608	701	771
TbE	Talmo-Betts complex, 9 to 25 percent slopes	Betts	20	65	84	98	109
Te	Tetonka silt loam	Tetonka	90	100	129	150	166
Tn	Tetonka-Chancellor silty clay loams	Tetonka	55	88	114	133	146
Tn	Tetonka-Chancellor silty clay loams	Chancellor	25	78	101	118	130
Wd	Wendte variant silty clay	Wendte	90	79	103	120	132
Wo	Worthing silty clay loam	Worthing	85	67	87	101	112
Wp	Worthing silty clay loam, ponded	Worthing	100	74	96	112	123

South Dakota Lateral Effect Tables for Charles Mix County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 2 percent slopes	Agar	90	109	146	174	195
AaB	Agar silt loam, 2 to 6 percent slopes	Agar	90	109	146	174	195
AaC	Agar silt loam, 6 to 9 percent slopes	Agar	85	109	146	174	195
Ab	Albaton silty clay	Albaton	85	53	74	90	103
An	Albaton silty clay, depressional	Albaton	95	60	83	100	114
Ao	Aowa silty clay loam	Aowa	90	81	110	132	149
Ar	Arlo silt loam, wet	Arlo	95	305	396	461	511
AsA	Arlo-Enet loams, 0 to 2 percent slopes	Arlo	45	165	218	256	286
AsA	Arlo-Enet loams, 0 to 2 percent slopes	Enet	35	503	648	751	830
BbC	Beadle-Eakin complex, 6 to 9 percent slopes	Beadle	50	43	61	75	86
BbC	Beadle-Eakin complex, 6 to 9 percent slopes	Eakin	35	75	102	123	139
BcA	Beadle-Jerauld complex, 0 to 4 percent slopes	Beadle	55	43	61	75	86
BcA	Beadle-Jerauld complex, 0 to 4 percent slopes	Jerauld	30	59	82	100	113
BdF	Betts loam, 25 to 40 percent slopes	Betts	85	41	59	72	83
BeE	Betts-Ethan loams, 9 to 25 percent slopes	Betts	45	41	59	72	83
BeE	Betts-Ethan loams, 9 to 25 percent slopes	Ethan	35	49	68	83	95
Bn	Bon silt loam	Bon	85	108	145	172	193
Bo	Bon silt loam, channeled	Bon	85	104	139	166	186
BsD	Boyd-Sansarc complex, 6 to 15 percent slopes	Boyd	55	37	barrier	barrier	barrier
BsD	Boyd-Sansarc complex, 6 to 15 percent slopes	Sansarc	35	barrier	barrier	barrier	barrier
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	55	56	78	94	107
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	25	49	68	83	95
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	55	56	78	94	107
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	49	68	83	95
Da	DeGrey-Jerauld silt loams	DeGrey	50	68	94	113	128
Da	DeGrey-Jerauld silt loams	Jerauld	30	59	82	100	113
Db	DeGrey-Walke silt loams	DeGrey	45	68	94	113	128
Db	DeGrey-Walke silt loams	Walke	35	79	108	130	146
DmC	Delmont-Talmo complex, 2 to 9 percent slopes	Delmont	50	495	638	740	818
DmC	Delmont-Talmo complex, 2 to 9 percent slopes	Talmo	30	462	596	691	764
DnA	Dorna silt loam, 0 to 4 percent slopes	Dorna	85	121	161	191	214
Du	Durrstein silt loam	Durrstein	90	48	67	82	94
EaA	Eakin silt loam, 0 to 2 percent slopes	Eakin	85	75	102	123	139
EbB	Eakin-Beadle complex, 2 to 6 percent slopes	Eakin	45	75	102	123	139
EbB	Eakin-Beadle complex, 2 to 6 percent slopes	Beadle	40	43	61	75	86
EdA	Eakin-DeGrey silt loams, 0 to 4 percent slopes	Eakin	55	75	102	123	139
EdA	Eakin-DeGrey silt loams, 0 to 4 percent slopes	DeGrey	25	68	94	113	128
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Eakin	55	75	102	123	139
EeB	Eakin-Ethan complex, 2 to 6 percent slopes	Ethan	25	49	68	83	95
EeC	Eakin-Ethan complex, 6 to 9 percent slopes	Eakin	50	75	102	123	139
EeC	Eakin-Ethan complex, 6 to 9 percent slopes	Ethan	30	49	68	83	95
EmA	Enet loam, 0 to 2 percent slopes	Enet	90	503	648	751	830
EnC	Enet-Delmont loams, 2 to 9 percent slopes	Enet	50	503	648	751	830
EnC	Enet-Delmont loams, 2 to 9 percent slopes	Delmont	35	495	638	740	818
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	45	49	68	83	95
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	40	56	78	94	107
EuC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	70	49	68	83	95
EuC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	20	65	89	108	122
GsE	Gavins-Sansarc complex, 15 to 25 percent slopes	Gavins	70	barrier	barrier	barrier	barrier
GsE	Gavins-Sansarc complex, 15 to 25 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
Gv	Graceville silt loam	Graceville	90	312	405	472	523
HaA	Hand loam, 0 to 2 percent slopes	Hand	85	86	117	139	157
Hb	Haynie silt loam	Haynie	90	176	232	272	303
Hc	Haynie variant silt loam	Haynie	90	154	204	241	268
HeB	Henkin loam, 2 to 6 percent slopes	Henkin	90	118	158	187	209
HgA	Highmore silt loam, 0 to 2 percent slopes	Highmore	85	61	84	101	115
HhB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	50	61	84	101	115
HhB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	25	75	102	123	139
HlA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	60	61	84	101	115
HlA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	25	79	108	130	146
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Homme	40	65	89	108	122
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Ethan	30	49	68	83	95

South Dakota Lateral Effect Tables for Charles Mix County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HmB	Homme-Ethan-Onita complex, 1 to 6 percent slopes	Onita	15	81	111	133	150
HoA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	65	89	108	122
HoA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	30	81	111	133	150
HoB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Homme	60	65	89	108	122
HoB	Homme-Onita silty clay loams, 1 to 6 percent slopes	Onita	25	81	111	133	150
HuA	Houdek loam, 0 to 2 percent slopes	Houdek	85	57	80	96	110
HuB	Houdek loam, 2 to 6 percent slopes	Houdek	85	57	80	96	110
Hv	Hoven silt loam	Hoven	85	78	107	128	145
InB	Inavale fine sand, 2 to 6 percent slopes	Inavale	80	302	392	457	506
InB	Inavale fine sand, 2 to 6 percent slopes	Norway	20	317	411	479	531
IvA	Inavale loamy fine sand, 0 to 6 percent slopes	Inavale	90	176	232	273	304
Ix	Norway loamy fine sand	Norway	90	317	411	479	531
LaA	Lane silty clay loam, 0 to 2 percent slopes	Lane	90	67	92	111	126
LaB	Lane silty clay loam, 2 to 6 percent slopes	Lane	90	67	92	111	126
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	85	152	201	237	265
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	85	152	201	237	265
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	85	152	202	238	265
LrF	Lowry-Gavins silt loams, 6 to 40 percent slopes	Lowry	55	152	201	237	265
LrF	Lowry-Gavins silt loams, 6 to 40 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
LsD	Lowry-Sully silt loams, 9 to 15 percent slopes	Lowry	55	152	201	237	265
LsD	Lowry-Sully silt loams, 9 to 15 percent slopes	Sully	30	121	162	192	215
MeE	Meadin loam, 15 to 30 percent slopes	Meadin	90	384	497	577	639
Mo	Mobridge silt loam	Mobridge	90	111	149	177	198
Mu	Munjor fine sandy loam	Munjor	90	229	300	351	390
OeF	Okaton silty clay, 15 to 40 percent slopes	Okaton	90	barrier	barrier	barrier	barrier
Oh	Onawa fine sandy loam, overwash	Onawa	90	62	86	103	117
Om	Onawa silty clay	Onawa	90	65	90	108	122
On	Onita silt loam, 0 to 2 percent slopes	Onita	85	91	123	147	165
Oo	Onita-Davison complex	Onita	50	82	112	134	151
Oo	Onita-Davison complex	Davison	35	84	115	137	155
Os	Onita-Hoven silt loams	Onita	60	91	123	147	165
Os	Onita-Hoven silt loams	Hoven	25	80	109	130	147
Ot	Onita-Tetonka silt loams	Onita	55	91	123	147	165
Ot	Onita-Tetonka silt loams	Tetonka	25	87	118	141	159
PoA	Promise silty clay, 0 to 2 percent slopes	Promise	90	83	113	135	152
PoB	Promise silty clay, 2 to 6 percent slopes	Promise	90	83	113	135	152
Pr	Prosper loam	Prosper	90	65	90	109	123
Sa	Salmo silty clay loam	Salmo	85	67	92	111	126
Sm	Salmo-Napa complex	Salmo	50	67	92	111	126
Sm	Salmo-Napa complex	Napa	35	74	101	122	138
SnF	Sansarc clay, 25 to 70 percent slopes	Sansarc	85	barrier	barrier	barrier	barrier
SoF	Sansarc-Boyd complex, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SoF	Sansarc-Boyd complex, 15 to 40 percent slopes	Boyd	30	37	barrier	barrier	barrier
SrF	Sansarc-Rock outcrop complex, 15 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
SuE	Sully silt loam, 9 to 25 percent slopes	Sully	80	121	162	192	215
TaC	Talmo gravelly sandy loam, 2 to 9 percent slopes	Talmo	100	348	451	524	580
TbE	Talmo-Betts complex, 9 to 25 percent slopes	Talmo	70	462	596	691	764
TbE	Talmo-Betts complex, 9 to 25 percent slopes	Betts	20	53	74	90	102
Te	Tetonka silt loam	Tetonka	90	87	118	141	159
Tn	Tetonka-Chancellor silty clay loams	Tetonka	55	75	103	124	140
Tn	Tetonka-Chancellor silty clay loams	Chancellor	25	66	91	109	124
Wd	Wendte variant silty clay	Wendte	90	67	92	111	126
Wo	Worthing silty clay loam	Worthing	85	55	76	93	105
Wp	Worthing silty clay loam, ponded	Worthing	100	62	85	103	117

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam	Aastad	90	52	68	79	88
At	Aastad-Tonka complex	Aastad	65	52	68	79	88
At	Aastad-Tonka complex	Tonka	25	65	85	99	110
Ba	Badger-Tonka silty clay loams	Badger	65	86	112	130	144
Ba	Badger-Tonka silty clay loams	Tonka	25	65	85	99	110
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	55	70	91	106	117
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	35	48	62	73	81
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	70	91	106	117
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	48	62	73	81
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	70	91	106	117
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	48	62	73	81
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	96	124	145	160
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	70	91	106	117
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	48	62	73	81
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	15	96	124	145	160
BdA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	50	70	91	106	117
BdA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	40	96	124	145	160
BdB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	70	91	106	117
BdB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	96	124	145	160
BeA	Beadle loam, 0 to 2 percent slopes	Beadle	85	67	87	101	112
BeB	Beadle loam, 2 to 6 percent slopes	Beadle	85	67	87	101	112
BeC	Beadle loam, 6 to 9 percent slopes	Beadle	80	67	87	101	112
BfA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	67	87	101	112
BfA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	97	126	146	161
BkD	Betts-Ethan loams, 9 to 20 percent slopes	Betts	40	69	89	104	115
BkD	Betts-Ethan loams, 9 to 20 percent slopes	Ethan	40	66	86	100	110
BmA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	211	271	313	344
Bn	Bon loam	Bon	85	105	135	157	173
Bo	Bon loam, channeled	Bon	85	105	135	157	173
BrD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	48	62	73	81
BrD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	70	91	106	117
BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	48	62	73	81
BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	70	91	106	117
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	48	62	73	81
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	79	103	120	132
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	70	91	106	117
ByE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	55	48	62	73	81
ByE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	44	58	68	76
BzE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	48	62	73	81
BzE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	35	329	420	485	533
Ca	Cavour-Ferney loams	Cavour	55	80	104	121	134
Ca	Cavour-Ferney loams	Ferney	35	59	77	90	100
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	72	93	109	120
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	102	132	153	169
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	65	72	93	109	120
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	102	132	153	169
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Clarno	40	72	93	109	120
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	102	132	153	169
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	66	86	100	110
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Clarno	40	72	93	109	120
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	66	86	100	110
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	102	132	153	169
Co	Colvin silty clay loam	Colvin	90	95	123	143	158
Cr	Cresbard-Cavour loams	Cresbard	55	78	102	118	131
Cr	Cresbard-Cavour loams	Cavour	35	80	104	121	134
Ct	Crossplain-Tetonka complex	Crossplain	60	61	79	93	103
Ct	Crossplain-Tetonka complex	Tetonka	25	99	128	149	164
Cu	Cubden silty clay loam	Cubden	90	78	102	118	131
Cv	Cubden-Badger silty clay loams	Cubden	55	78	102	118	131

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Cv	Cubden-Badger silty clay loams	Badger	35	86	112	130	144
Cw	Cubden-Tonka silty clay loams	Cubden	55	78	102	118	131
Cw	Cubden-Tonka silty clay loams	Tonka	30	65	85	99	110
Da	Davison-Crossplain complex	Davison	60	97	125	145	160
Da	Davison-Crossplain complex	Crossplain	25	61	79	93	103
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	50	205	262	303	334
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	40	556	709	817	898
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	205	262	303	334
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	35	556	709	817	898
Dm	Dimo loam	Dimo	85	285	364	421	463
Dv	Divide loam	Divide	90	456	581	670	737
Dx	Dudley-Jerauld silt loams	Dudley	55	97	126	146	161
Dx	Dudley-Jerauld silt loams	Jerauld	35	70	91	106	117
Dy	Durrstein silt loam	Durrstein	85	73	94	110	121
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	45	175	225	260	286
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	102	131	152	168
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	50	175	225	260	286
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	40	102	131	152	168
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	66	86	100	110
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	30	105	135	157	173
Fa	Farmsworth-Durrstein silt loams	Farmsworth	50	125	161	187	206
Fa	Farmsworth-Durrstein silt loams	Durrstein	35	73	94	110	121
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	95	185	237	274	302
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	65	78	101	117	129
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	25	52	68	79	88
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	65	78	101	117	129
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	52	68	79	88
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	35	78	101	117	129
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	25	52	68	79	88
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	25	48	62	73	81
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	78	101	117	129
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	48	62	73	81
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	15	52	68	79	88
FoA	Forman-Cresbard loams, 0 to 2 percent slopes	Forman	60	78	101	117	129
FoA	Forman-Cresbard loams, 0 to 2 percent slopes	Cresbard	30	78	102	118	131
FoB	Forman-Cresbard loams, 2 to 6 percent slopes	Forman	60	78	101	117	129
FoB	Forman-Cresbard loams, 2 to 6 percent slopes	Cresbard	30	78	102	118	131
Ft	Forman-Cresbard-Tonka complex	Forman	50	78	101	117	129
Ft	Forman-Cresbard-Tonka complex	Cresbard	25	78	102	118	131
Ft	Forman-Cresbard-Tonka complex	Tonka	15	65	85	99	110
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	90	69	89	104	115
Hb	Hamerly-Tonka complex	Hamerly	60	69	89	104	115
Hb	Hamerly-Tonka complex	Tonka	25	65	85	99	110
Hd	Harriet loam	Harriet	90	74	96	112	124
He	Heil silt loam	Heil	90	70	91	106	117
HkB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	50	103	133	154	170
HkB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	35	211	271	313	344
HmA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	81	105	122	135
HmB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	81	105	122	135
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Houdek	40	76	99	115	128
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	25	66	86	100	110
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	25	85	110	127	141
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	45	76	99	115	128
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	66	86	100	110
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	85	110	127	141
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	65	76	99	115	128
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	85	110	127	141
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	65	76	99	115	128
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	25	85	110	127	141
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	60	76	99	115	128
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	30	82	106	123	136
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Houdek	60	76	99	115	128
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Stickney	25	82	106	123	136

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ht	Houdek-Stickney-Tetonka complex	Houdek	50	76	99	115	128
Ht	Houdek-Stickney-Tetonka complex	Stickney	25	82	106	123	136
Ht	Houdek-Stickney-Tetonka complex	Tetonka	15	99	128	149	164
Hv	Hoven silt loam	Hoven	95	82	106	123	136
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	86	111	129	142
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	48	62	73	81
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	79	102	119	131
La	La Prairie loam	La Prairie	90	79	103	120	132
Lf	La Prairie-Fairdale loams, channeled	La Prairie	65	79	103	120	132
Lf	La Prairie-Fairdale loams, channeled	Fairdale	25	118	152	176	194
Lh	La Prairie-Holmquist loams, channeled	La Prairie	60	79	103	120	132
Lh	La Prairie-Holmquist loams, channeled	Holmquist	25	127	164	190	209
Lk	LaDelle silt loam	LaDelle	90	115	148	172	189
Lm	Lamo silty clay loam	Lamo	85	80	103	120	133
Lo	Lowe loam	Lowe	90	89	114	133	147
Lw	Ludden silty clay, saline	Ludden	85	81	105	122	135
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	261	333	385	423
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	175	225	260	286
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	261	333	385	423
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	175	225	260	286
Md	Marysland-Divide loams	Marysland	50	528	673	776	853
Md	Marysland-Divide loams	Divide	40	456	581	670	737
MsA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	63	82	96	106
MtA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	85	71	92	107	119
MtB	Minnewasta sandy loam, 2 to 6 percent slopes	Minnewasta	90	71	92	107	119
Mw	Minnewaukan loamy sand	Minnewaukan	90	138	178	206	227
Mz	Moritz-Lowe loams	Moritz	60	100	129	149	165
Mz	Moritz-Lowe loams	Lowe	25	89	114	133	147
Od	Oldham silty clay loam	Oldham	90	78	102	118	131
Pa	Parnell silty clay loam	Parnell	95	96	124	144	159
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	90	54	71	83	92
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	85	54	71	83	92
Pf	Peever-Cavour complex	Peever	65	54	71	83	92
Pf	Peever-Cavour complex	Cavour	25	80	104	121	134
Pk	Peever-Cresbard-Tonka complex	Peever	45	54	71	83	92
Pk	Peever-Cresbard-Tonka complex	Cresbard	25	78	102	118	131
Pk	Peever-Cresbard-Tonka complex	Tonka	15	65	85	99	110
Pm	Playmoor silty clay loam	Playmoor	90	112	144	167	184
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	93	120	140	155
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	48	62	73	81
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	79	102	119	131
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	93	120	140	155
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	35	48	62	73	81
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	15	79	102	119	131
PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	45	93	120	140	155
PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	40	94	122	141	156
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	93	120	140	155
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	94	122	141	156
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	79	102	119	131
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	93	120	140	155
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	79	102	119	131
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	93	120	140	155
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	79	102	119	131
Ra	Ranslo silty clay loam	Ranslo	85	102	131	152	168
Re	Rauville silty clay loam	Rauville	85	127	163	189	209
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	45	185	237	274	302
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	45	253	323	373	411
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	55	253	323	373	411
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	35	185	237	274	302
RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Renshaw	65	253	323	373	411

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Sioux	25	329	420	485	533
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	253	323	373	411
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	35	329	420	485	533
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	45	253	323	373	411
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	45	329	420	485	533
Sa	Salmo silty clay loam	Salmo	85	90	116	135	149
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	66	86	100	110
SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	66	86	100	110
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	329	420	485	533
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	253	323	373	411
Ss	Southam silty clay loam	Southam	90	84	109	126	140
Sw	Spottswood clay loam	Spottswood	90	175	224	259	286
Sy	Stickney-Dudley silt loams	Stickney	55	82	106	123	136
Sy	Stickney-Dudley silt loams	Dudley	35	97	126	146	161
Te	Tetonka silt loam	Tetonka	90	99	128	149	164
To	Tonka silty clay loam	Tonka	90	65	85	99	110
Va	Vallers-Hamerly loams	Vallers	50	56	74	86	95
Va	Vallers-Hamerly loams	Hamerly	40	69	89	104	115
Wa	Waubay silty clay loam	Waubay	90	79	102	119	131
Wg	Worthing silty clay loam	Worthing	90	81	105	122	134
Wm	Wyndmere fine sandy loam	Wyndmere	90	159	205	237	261
Wp	Wyndmere-Parnell complex	Wyndmere	60	159	205	237	261
Wp	Wyndmere-Parnell complex	Parnell	30	96	124	144	159

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam	Aastad	90	41	58	71	81
At	Aastad-Tonka complex	Aastad	65	41	58	71	81
At	Aastad-Tonka complex	Tonka	25	53	74	90	103
Ba	Badger-Tonka silty clay loams	Badger	65	74	101	121	137
Ba	Badger-Tonka silty clay loams	Tonka	25	53	74	90	103
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	55	58	80	97	110
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	35	37	53	65	75
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	58	80	97	110
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	37	53	65	75
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	58	80	97	110
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	37	53	65	75
BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	83	113	135	153
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	58	80	97	110
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	37	53	65	75
BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	15	83	113	135	153
BdA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	50	58	80	97	110
BdA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	40	83	113	135	153
BdB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	58	80	97	110
BdB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	83	113	135	153
BeA	Beadle loam, 0 to 2 percent slopes	Beadle	85	55	76	92	105
BeB	Beadle loam, 2 to 6 percent slopes	Beadle	85	55	76	92	105
BeC	Beadle loam, 6 to 9 percent slopes	Beadle	80	55	76	92	105
BfA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	55	76	92	105
BfA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	84	114	137	154
BkD	Betts-Ethan loams, 9 to 20 percent slopes	Betts	40	57	79	95	108
BkD	Betts-Ethan loams, 9 to 20 percent slopes	Ethan	40	54	75	91	104
BmA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	197	259	303	337
Bn	Bon loam	Bon	85	92	124	148	166
Bo	Bon loam, channeled	Bon	85	92	124	148	166
BrD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	37	53	65	75
BrD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	58	80	97	110
BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	37	53	65	75
BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	58	80	97	110
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	37	53	65	75
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	67	92	111	125
BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	58	80	97	110
ByE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	55	37	53	65	75
ByE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	34	49	60	70
BzE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	37	53	65	75
BzE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	35	314	408	475	526
Ca	Cavour-Ferney loams	Cavour	55	68	93	112	127
Ca	Cavour-Ferney loams	Ferney	35	48	67	82	94
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	60	82	100	113
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	89	121	144	163
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	65	60	82	100	113
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	89	121	144	163
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Clarno	40	60	82	100	113
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	89	121	144	163
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	54	75	91	104
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Clarno	40	60	82	100	113
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	54	75	91	104
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	89	121	144	163
Co	Colvin silty clay loam	Colvin	90	82	112	134	151
Cr	Cresbard-Cavour loams	Cresbard	55	66	91	109	124
Cr	Cresbard-Cavour loams	Cavour	35	68	93	112	127
Ct	Crossplain-Tetonka complex	Crossplain	60	49	69	84	96
Ct	Crossplain-Tetonka complex	Tetonka	25	86	117	140	157
Cu	Cubden silty clay loam	Cubden	90	66	91	109	124
Cv	Cubden-Badger silty clay loams	Cubden	55	66	91	109	124

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Cv	Cubden-Badger silty clay loams	Badger	35	74	101	121	137
Cw	Cubden-Tonka silty clay loams	Cubden	55	66	91	109	124
Cw	Cubden-Tonka silty clay loams	Tonka	30	53	74	90	103
Da	Davison-Crossplain complex	Davison	60	83	113	136	153
Da	Davison-Crossplain complex	Crossplain	25	49	69	84	96
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	50	190	250	293	326
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	40	541	696	807	891
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	190	250	293	326
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	35	541	696	807	891
Dm	Dimo loam	Dimo	85	270	352	411	456
Dv	Divide loam	Divide	90	441	569	661	730
Dx	Dudley-Jerauld silt loams	Dudley	55	84	114	137	154
Dx	Dudley-Jerauld silt loams	Jerauld	35	58	80	97	111
Dy	Durrstein silt loam	Durrstein	85	60	83	101	115
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	45	161	213	251	279
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	88	120	143	161
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	50	161	213	251	279
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	40	88	120	143	161
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	54	75	91	104
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	30	92	124	148	166
Fa	Farmsworth-Durrstein silt loams	Farmsworth	50	111	149	177	199
Fa	Farmsworth-Durrstein silt loams	Durrstein	35	60	83	101	115
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	95	171	225	265	295
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	65	65	90	108	123
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	25	41	58	71	81
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	65	65	90	108	123
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	41	58	71	81
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	35	65	90	108	123
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	25	41	58	71	81
FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	25	37	53	65	75
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	65	90	108	123
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	37	53	65	75
FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	15	41	58	71	81
FoA	Forman-Cresbard loams, 0 to 2 percent slopes	Forman	60	65	90	108	123
FoA	Forman-Cresbard loams, 0 to 2 percent slopes	Cresbard	30	66	91	109	124
FoB	Forman-Cresbard loams, 2 to 6 percent slopes	Forman	60	65	90	108	123
FoB	Forman-Cresbard loams, 2 to 6 percent slopes	Cresbard	30	66	91	109	124
Ft	Forman-Cresbard-Tonka complex	Forman	50	65	90	108	123
Ft	Forman-Cresbard-Tonka complex	Cresbard	25	66	91	109	124
Ft	Forman-Cresbard-Tonka complex	Tonka	15	53	74	90	103
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	90	57	79	95	108
Hb	Hamerly-Tonka complex	Hamerly	60	57	79	95	108
Hb	Hamerly-Tonka complex	Tonka	25	53	74	90	103
Hd	Harriet loam	Harriet	90	62	85	103	117
He	Heil silt loam	Heil	90	58	80	97	110
HkB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	50	90	122	145	163
HkB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	35	197	259	303	337
HmA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	68	94	113	128
HmB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	68	94	113	128
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Houdek	40	64	88	107	121
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	25	54	75	91	104
HnB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	25	72	99	119	134
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	45	64	88	107	121
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	54	75	91	104
HnC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	72	99	119	134
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	65	64	88	107	121
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	72	99	119	134
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	65	64	88	107	121
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	25	72	99	119	134
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	60	64	88	107	121
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	30	69	95	114	129
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Houdek	60	64	88	107	121
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Stickney	25	69	95	114	129

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ht	Houdek-Stickney-Tetonka complex	Houdek	50	64	88	107	121
Ht	Houdek-Stickney-Tetonka complex	Stickney	25	69	95	114	129
Ht	Houdek-Stickney-Tetonka complex	Tetonka	15	86	117	140	157
Hv	Hoven silt loam	Hoven	95	69	95	114	129
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	73	100	120	136
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	37	53	65	75
KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	66	91	110	125
La	La Prairie loam	La Prairie	90	67	92	111	125
Lf	La Prairie-Fairdale loams, channeled	La Prairie	65	67	92	111	125
Lf	La Prairie-Fairdale loams, channeled	Fairdale	25	104	140	167	187
Lh	La Prairie-Holmquist loams, channeled	La Prairie	60	67	92	111	125
Lh	La Prairie-Holmquist loams, channeled	Holmquist	25	113	152	180	202
Lk	LaDelle silt loam	LaDelle	90	101	136	162	182
Lm	Lamo silty clay loam	Lamo	85	67	92	111	126
Lo	Lowe loam	Lowe	90	76	103	124	140
Lw	Ludden silty clay, saline	Ludden	85	68	94	113	128
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	246	321	375	416
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	161	213	251	279
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	246	321	375	416
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	161	213	251	279
Md	Marysland-Divide loams	Marysland	50	513	660	766	846
Md	Marysland-Divide loams	Divide	40	441	569	661	730
MsA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	51	72	87	100
MtA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	85	59	81	99	112
MtB	Minnewasta sandy loam, 2 to 6 percent slopes	Minnewasta	90	59	81	99	112
Mw	Minnewaukan loamy sand	Minnewaukan	90	124	166	197	220
Mz	Moritz-Lowe loams	Moritz	60	87	117	140	158
Mz	Moritz-Lowe loams	Lowe	25	76	103	124	140
Od	Oldham silty clay loam	Oldham	90	66	91	109	124
Pa	Parnell silty clay loam	Parnell	95	83	113	135	152
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	90	43	61	75	86
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	85	43	61	75	86
Pf	Peever-Cavour complex	Peever	65	43	61	75	86
Pf	Peever-Cavour complex	Cavour	25	68	93	112	127
Pk	Peever-Cresbard-Tonka complex	Peever	45	43	61	75	86
Pk	Peever-Cresbard-Tonka complex	Cresbard	25	66	91	109	124
Pk	Peever-Cresbard-Tonka complex	Tonka	15	53	74	90	103
Pm	Playmoor silty clay loam	Playmoor	90	98	133	158	178
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	80	109	131	148
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	37	53	65	75
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	66	91	110	125
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	80	109	131	148
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	35	37	53	65	75
PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	15	66	91	110	125
PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	45	80	109	131	148
PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	40	81	111	132	149
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	80	109	131	148
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	81	111	132	149
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	66	91	110	125
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	80	109	131	148
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	66	91	110	125
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	80	109	131	148
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	66	91	110	125
Ra	Ranslo silty clay loam	Ranslo	85	89	120	143	161
Re	Rauville silty clay loam	Rauville	85	113	152	180	202
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	45	171	225	265	295
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	45	238	311	364	404
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	55	238	311	364	404
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	35	171	225	265	295
RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Renshaw	65	238	311	364	404

South Dakota Lateral Effect Tables for Clark County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Sioux	25	314	408	475	526
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	238	311	364	404
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	35	314	408	475	526
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	45	238	311	364	404
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	45	314	408	475	526
Sa	Salmo silty clay loam	Salmo	85	77	105	126	142
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	54	75	91	104
SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	54	75	91	104
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	314	408	475	526
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	238	311	364	404
Ss	Southam silty clay loam	Southam	90	71	98	117	133
Sw	Spottswood clay loam	Spottswood	90	161	212	250	279
Sy	Stickney-Dudley silt loams	Stickney	55	69	95	114	129
Sy	Stickney-Dudley silt loams	Dudley	35	84	114	137	154
Te	Tetonka silt loam	Tetonka	90	86	117	140	157
To	Tonka silty clay loam	Tonka	90	53	74	90	103
Va	Vallers-Hamerly loams	Vallers	50	45	63	77	89
Va	Vallers-Hamerly loams	Hamerly	40	57	79	95	108
Wa	Waubay silty clay loam	Waubay	90	66	91	110	125
Wg	Worthing silty clay loam	Worthing	90	68	94	113	128
Wm	Wyndmere fine sandy loam	Wyndmere	90	145	193	227	254
Wp	Wyndmere-Parnell complex	Wyndmere	60	145	193	227	254
Wp	Wyndmere-Parnell complex	Parnell	30	83	113	135	152

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ac	Albaton silty clay, 0 to 2 percent slopes	Albaton	85	52	68	79	88
Ad	Albaton silty clay, depressional	Albaton	90	52	68	79	88
AeA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	80	90	116	135	149
Ba	Baltic silty clay loam, 0 to 1 percent slopes	Baltic	85	86	111	129	142
Bb	Blake silty clay loam, 0 to 2 percent slopes	Blake	80	155	199	230	253
Bf	Blencoe silty clay, 0 to 2 percent slopes, clayey substratum	Blencoe	80	72	94	109	121
Bg	Blyburg silt loam, 0 to 2 percent slopes	Blyburg	85	140	180	208	229
Bk	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Blyburg	50	140	180	208	229
Bk	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Gayville	30	123	159	184	203
Bm	Bon loam, 0 to 2 percent slopes	Bon	85	100	129	149	165
Bn	Bon loam, channeled	Bon	85	100	129	149	165
Ca	Chancellor-Tetonka complex, 0 to 2 percent slopes	Chancellor	65	75	98	114	126
Ca	Chancellor-Tetonka complex, 0 to 2 percent slopes	Tetonka	25	96	124	144	159
Cc	Chaska silt loam, channeled	Chaska	75	131	168	195	215
Cd	Clamo silty clay, 0 to 1 percent slopes	Clamo	85	124	160	185	204
DaA	Dalesburg loam, 0 to 2 percent slopes	Dalesburg	85	277	354	409	450
DbB	Dalesburg-Dimo complex, 1 to 4 percent slopes	Dalesburg	55	277	354	409	450
DbB	Dalesburg-Dimo complex, 1 to 4 percent slopes	Dimo	30	253	323	373	411
DcA	Davis loam, 0 to 2 percent slopes	Davis	80	93	120	140	154
DcB	Davis loam, 2 to 6 percent slopes	Davis	85	93	120	140	154
DhA	Davison-Chancellor complex, 0 to 3 percent slopes	Davison	50	89	115	133	147
DhA	Davison-Chancellor complex, 0 to 3 percent slopes	Chancellor	40	75	98	114	126
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Davison	40	89	115	133	147
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Tetonka	25	96	124	144	159
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Egan	20	70	92	107	118
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	488	622	717	789
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	25	197	253	292	322
DnD	Delmont-Talmo complex, 6 to 15 percent slopes	Delmont	45	488	622	717	789
DnD	Delmont-Talmo complex, 6 to 15 percent slopes	Talmo	35	486	619	714	785
Do	Dimo clay loam, 0 to 2 percent slopes	Dimo	85	253	323	373	411
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Egan	40	70	92	107	118
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Chancellor	25	75	98	114	126
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Davison	20	89	115	133	147
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Egan	40	70	92	107	118
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Clarno	25	71	93	108	120
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Chancellor	20	75	98	114	126
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Egan	40	70	92	107	118
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Clarno	25	71	93	108	120
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	96	124	144	159
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Egan	45	70	92	107	118
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Clarno	25	71	93	108	120
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Trent	20	91	118	137	151
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Egan	45	70	92	107	118
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Clarno	25	71	93	108	120
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Trent	20	91	118	137	151
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	50	70	92	107	118
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	66	86	100	110
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Egan	40	70	92	107	118
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Ethan	25	66	86	100	110
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Tetonka	20	96	124	144	159
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	45	70	92	107	118
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	25	66	86	100	110
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	20	91	118	137	151
EhA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	70	92	107	118
EhA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	91	118	137	151
EhB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Egan	50	70	92	107	118
EhB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Trent	30	91	118	137	151
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Egan	40	70	92	107	118
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Trent	25	91	118	137	151

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	20	75	98	114	126
Em	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	90	197	253	292	322
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Enet	45	197	253	292	322
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Storla	25	228	291	336	370
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Tetonka	20	96	124	144	159
EoD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	65	66	86	100	110
EoD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	20	72	94	109	121
EoE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	60	66	86	100	110
EoE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	25	72	94	109	121
EpD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	66	86	100	110
EpD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	25	100	129	149	165
EpE	Ethan-Bon, channeled, loams, 0 to 40 percent slopes	Ethan	65	66	86	100	110
EpE	Ethan-Bon, channeled, loams, 0 to 40 percent slopes	Bon	20	100	129	149	165
ErC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	66	86	100	110
ErC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	71	93	108	120
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	66	86	100	110
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	71	93	108	120
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Ethan	40	66	86	100	110
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Clarno	30	71	93	108	120
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Bon	20	100	129	149	165
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Ethan	45	66	86	100	110
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Clarno	25	71	93	108	120
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Bon	20	100	129	149	165
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Ethan	30	66	86	100	110
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Davison	25	89	115	133	147
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Tetonka	25	96	124	144	159
EvC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	66	86	100	110
EvC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	70	92	107	118
EzE	Ethan-Talmo complex, 15 to 40 percent slopes	Ethan	60	66	86	100	110
EzE	Ethan-Talmo complex, 15 to 40 percent slopes	Talmo	25	486	619	714	785
Fo	Forney silty clay, 0 to 2 percent slopes	Forney	80	53	69	81	90
Ga	Grable silt loam, 0 to 2 percent slopes	Grable	85	498	635	732	805
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Grable	45	498	635	732	805
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Ticonic	25	94	122	141	156
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Vore	20	222	283	328	361
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Grable	35	498	635	732	805
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Haynie	25	161	207	239	264
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Vore	25	222	283	328	361
Ha	Haynie silt loam, 0 to 2 percent slopes	Haynie	80	161	207	239	264
Hg	Haynie-Grable silt loams, 0 to 2 percent slopes	Haynie	45	161	207	239	264
Hg	Haynie-Grable silt loams, 0 to 2 percent slopes	Grable	40	498	635	732	805
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Haynie	40	161	207	239	264
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Grable	25	498	635	732	805
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Lossing	25	72	93	108	120
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Haynie	40	161	207	239	264
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Blake	25	155	199	230	253
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Onawa	25	74	96	112	123
Ja	James silty clay, 0 to 1 percent slopes	James	85	66	86	100	111
La	Lakeport silty clay loam, 0 to 2 percent slopes	Lakeport	85	70	91	107	118
Lb	Lamo silty clay loam, 0 to 2 percent slopes	Lamo	85	75	97	113	125
Lc	Lamo silty clay loam, 0 to 2 percent slopes, sandy substratum	Lamo	85	75	97	113	125
Ld	Lamo-Baltic silty clay loams, 0 to 2 percent slopes	Lamo	60	75	97	113	125
Ld	Lamo-Baltic silty clay loams, 0 to 2 percent slopes	Baltic	25	86	111	129	142
Le	Lex clay loam, 0 to 2 percent slopes	Lex	85	169	217	251	276
Lg	Lossing silty clay, 0 to 2 percent slopes	Lossing	80	72	93	108	120
Lo	Lossing-Owego silty clays, 0 to 2 percent slopes	Lossing	50	72	93	108	120
Lo	Lossing-Owego silty clays, 0 to 2 percent slopes	Owego	30	58	76	89	98
Lr	Lossing-Vore silty clays, 0 to 2 percent slopes	Lossing	50	72	93	108	120

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lr	Lossing-Vore silty clays, 0 to 2 percent slopes	Vore	25	222	283	328	361
Lt	Luton silty clay, 0 to 2 percent slopes, occasionally flooded	Luton	90	55	72	84	94
Lu	Luton silty clay, 0 to 2 percent slopes, rarely flooded	Luton	90	55	72	84	94
McA	Meckling loamy fine sand, 0 to 4 percent slopes	Meckling	90	295	376	434	478
Mo	Modale silt loam, 0 to 2 percent slopes	Modale	85	117	151	175	193
Na	Napa-Luton complex, 0 to 2 percent slopes	Napa	50	81	105	122	134
Na	Napa-Luton complex, 0 to 2 percent slopes	Luton	30	55	72	84	94
Nb	Norway loamy fine sand, 0 to 4 percent slopes	Norway	85	165	211	244	269
NcA	Norway-Meckling loamy fine sands, 0 to 4 percent slopes	Norway	50	165	211	244	269
NcA	Norway-Meckling loamy fine sands, 0 to 4 percent slopes	Meckling	40	295	376	434	478
Oa	Onawa silty clay, 0 to 2 percent slopes	Onawa	85	74	96	112	123
Ob	Onawa-Owego silty clays, 0 to 2 percent slopes	Onawa	50	74	96	112	123
Ob	Onawa-Owego silty clays, 0 to 2 percent slopes	Owego	30	58	76	89	98
Ow	Owego silty clay, 0 to 2 percent slopes	Owego	80	58	76	89	98
Pe	Percival silty clay, 0 to 2 percent slopes	Percival	85	375	479	552	608
Ro	Roxbury silt loam, channeled	Roxbury	85	79	103	120	132
Sa	Salix silty clay loam, 0 to 2 percent slopes	Salix	85	101	131	152	168
Sd	Salmo silty clay loam, 0 to 1 percent slopes	Salmo	90	83	107	124	138
SeB	Sardak loamy fine sand, 2 to 9 percent slopes	Sardak	90	340	434	501	551
SkB	Sardak-Scroll complex, 0 to 6 percent slopes	Sardak	50	340	434	501	551
SkB	Sardak-Scroll complex, 0 to 6 percent slopes	Scroll	30	425	542	626	688
SpA	Scroll-Percival silty clays, 0 to 2 percent slopes	Scroll	45	425	542	626	688
SpA	Scroll-Percival silty clays, 0 to 2 percent slopes	Percival	35	375	479	552	608
SpB	Scroll-Percival silty clays, 2 to 6 percent slopes	Scroll	45	425	542	626	688
SpB	Scroll-Percival silty clays, 2 to 6 percent slopes	Percival	35	375	479	552	608
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Talmo	45	486	619	714	785
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Thurman	35	213	272	315	347
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	96	124	144	159
ThA	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	90	213	272	315	347
ThB	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	90	213	272	315	347
ThC	Thurman loamy fine sand, 6 to 9 percent slopes	Thurman	90	213	272	315	347
Tr	Ticonic-Grable complex, 0 to 2 percent slopes	Ticonic	45	94	122	141	156
Tr	Ticonic-Grable complex, 0 to 2 percent slopes	Grable	30	498	635	732	805
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Trent	40	91	118	137	151
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Tetonka	25	96	124	144	159
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Wakonda	25	89	114	133	147
TwA	Trent-Wentworth silty clay loams, 0 to 2 percent slopes	Trent	50	91	118	137	151
TwA	Trent-Wentworth silty clay loams, 0 to 2 percent slopes	Wentworth	30	75	97	113	125
Wa	Wakonda-Tetonka silt loams, 0 to 2 percent slopes	Wakonda	50	89	114	133	147
Wa	Wakonda-Tetonka silt loams, 0 to 2 percent slopes	Tetonka	30	96	124	144	159
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Wakonda	40	89	114	133	147
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Wentworth	30	75	97	113	125
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Whitewood	20	88	114	133	147
Wd	Wakonda-Whitewood complex, 0 to 2 percent slopes	Wakonda	50	89	114	133	147
Wd	Wakonda-Whitewood complex, 0 to 2 percent slopes	Whitewood	30	88	114	133	147
WkB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	45	75	97	113	125
WkB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	40	91	118	137	151
Wm	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	85	88	114	133	147
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	73	95	110	122
Wp	Worthing silty clay loam, ponded	Worthing	95	73	95	110	122

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ac	Albaton silty clay, 0 to 2 percent slopes	Albaton	85	41	58	71	81
Ad	Albaton silty clay, depressional	Albaton	90	41	58	71	81
AeA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	80	77	105	126	142
Ba	Baltic silty clay loam, 0 to 1 percent slopes	Baltic	85	73	100	120	135
Bb	Blake silty clay loam, 0 to 2 percent slopes	Blake	80	141	187	220	246
Bf	Blencoe silty clay, 0 to 2 percent slopes, clayey substratum	Blencoe	80	60	83	101	114
Bg	Blyburg silt loam, 0 to 2 percent slopes	Blyburg	85	126	168	199	222
Bk	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Blyburg	50	126	168	199	222
Bk	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Gayville	30	110	147	175	196
Bm	Bon loam, 0 to 2 percent slopes	Bon	85	87	117	140	158
Bn	Bon loam, channeled	Bon	85	87	117	140	158
Ca	Chancellor-Tetonka complex, 0 to 2 percent slopes	Chancellor	65	63	87	105	119
Ca	Chancellor-Tetonka complex, 0 to 2 percent slopes	Tetonka	25	83	113	135	152
Cc	Chaska silt loam, channeled	Chaska	75	117	156	185	208
Cd	Clamo silty clay, 0 to 1 percent slopes	Clamo	85	110	148	176	197
DaA	Dalesburg loam, 0 to 2 percent slopes	Dalesburg	85	262	342	399	443
DbB	Dalesburg-Dimo complex, 1 to 4 percent slopes	Dalesburg	55	262	342	399	443
DbB	Dalesburg-Dimo complex, 1 to 4 percent slopes	Dimo	30	238	311	363	403
DcA	Davis loam, 0 to 2 percent slopes	Davis	80	80	109	131	147
DcB	Davis loam, 2 to 6 percent slopes	Davis	85	80	109	131	147
DhA	Davison-Chancellor complex, 0 to 3 percent slopes	Davison	50	76	104	124	140
DhA	Davison-Chancellor complex, 0 to 3 percent slopes	Chancellor	40	63	87	105	119
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Davison	40	76	104	124	140
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Tetonka	25	83	113	135	152
DkA	Davison-Tetonka-Egan complex, 0 to 3 percent slopes	Egan	20	58	81	98	111
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	473	610	707	781
DmB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	25	183	241	283	315
DnD	Delmont-Talmo complex, 6 to 15 percent slopes	Delmont	45	473	610	707	781
DnD	Delmont-Talmo complex, 6 to 15 percent slopes	Talmo	35	471	607	704	778
Do	Dimo clay loam, 0 to 2 percent slopes	Dimo	85	238	311	363	403
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Egan	40	58	81	98	111
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Chancellor	25	63	87	105	119
EaA	Egan-Chancellor-Davison complex, 0 to 3 percent slopes	Davison	20	76	104	124	140
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Egan	40	58	81	98	111
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Clarno	25	59	82	99	113
EbA	Egan-Clarno-Chancellor complex, 0 to 3 percent slopes	Chancellor	20	63	87	105	119
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Egan	40	58	81	98	111
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Clarno	25	59	82	99	113
EcA	Egan-Clarno-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	83	113	135	152
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Egan	45	58	81	98	111
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Clarno	25	59	82	99	113
EdA	Egan-Clarno-Trent complex, 0 to 2 percent slopes	Trent	20	78	106	128	144
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Egan	45	58	81	98	111
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Clarno	25	59	82	99	113
EdB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Trent	20	78	106	128	144
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	50	58	81	98	111
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	54	75	91	104
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Egan	40	58	81	98	111
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Ethan	25	54	75	91	104
EfB	Egan-Ethan-Tetonka complex, 0 to 6 percent slopes	Tetonka	20	83	113	135	152
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	45	58	81	98	111
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	25	54	75	91	104
EgB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	20	78	106	128	144
EhA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	58	81	98	111
EhA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	78	106	128	144
EhB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Egan	50	58	81	98	111
EhB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Trent	30	78	106	128	144
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Egan	40	58	81	98	111
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Trent	25	78	106	128	144

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ek	Egan-Trent-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	20	63	87	105	119
Em	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	90	183	241	283	315
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Enet	45	183	241	283	315
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Storla	25	213	279	327	363
EnB	Enet-Storla-Tetonka complex, 0 to 6 percent slopes	Tetonka	20	83	113	135	152
EoD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	65	54	75	91	104
EoD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	20	60	83	101	114
EoE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	60	54	75	91	104
EoE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	25	60	83	101	114
EpD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	54	75	91	104
EpD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	25	87	117	140	158
EpE	Ethan-Bon, channeled, loams, 0 to 40 percent slopes	Ethan	65	54	75	91	104
EpE	Ethan-Bon, channeled, loams, 0 to 40 percent slopes	Bon	20	87	117	140	158
ErC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	54	75	91	104
ErC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	59	82	99	113
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	54	75	91	104
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	59	82	99	113
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Ethan	40	54	75	91	104
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Clarno	30	59	82	99	113
EsB	Ethan-Clarno-Bon loams 0 to 6 percent slopes	Bon	20	87	117	140	158
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Ethan	45	54	75	91	104
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Clarno	25	59	82	99	113
EtC	Ethan-Clarno-Bon, channeled, loams, 0 to 9 percent slopes	Bon	20	87	117	140	158
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Ethan	30	54	75	91	104
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Davison	25	76	104	124	140
EuB	Ethan-Davison-Tetonka complex, 0 to 6 percent slopes	Tetonka	25	83	113	135	152
EvC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	54	75	91	104
EvC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	58	81	98	111
EzE	Ethan-Talmo complex, 15 to 40 percent slopes	Ethan	60	54	75	91	104
EzE	Ethan-Talmo complex, 15 to 40 percent slopes	Talmo	25	471	607	704	778
Fo	Forney silty clay, 0 to 2 percent slopes	Forney	80	42	59	72	83
Ga	Grable silt loam, 0 to 2 percent slopes	Grable	85	483	623	723	798
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Grable	45	483	623	723	798
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Ticonic	25	81	110	132	149
Gt	Grable-Ticonic-Vore complex, 0 to 2 percent slopes	Vore	20	207	271	318	353
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Grable	35	483	623	723	798
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Haynie	25	147	195	230	257
Gv	Grable-Vore-Haynie complex, 0 to 3 percent slopes	Vore	25	207	271	318	353
Ha	Haynie silt loam, 0 to 2 percent slopes	Haynie	80	147	195	230	257
Hg	Haynie-Grable silt loams, 0 to 2 percent slopes	Haynie	45	147	195	230	257
Hg	Haynie-Grable silt loams, 0 to 2 percent slopes	Grable	40	483	623	723	798
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Haynie	40	147	195	230	257
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Grable	25	483	623	723	798
Hn	Haynie-Lossing-Grable complex, 0 to 2 percent slopes	Lossing	25	59	82	100	113
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Haynie	40	147	195	230	257
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Blake	25	141	187	220	246
Ho	Haynie-Onawa-Blake complex, 0 to 2 percent slopes	Onawa	25	61	85	103	117
Ja	James silty clay, 0 to 1 percent slopes	James	85	54	76	92	104
La	Lakeport silty clay loam, 0 to 2 percent slopes	Lakeport	85	58	81	98	111
Lb	Lamo silty clay loam, 0 to 2 percent slopes	Lamo	85	63	86	104	118
Lc	Lamo silty clay loam, 0 to 2 percent slopes, sandy substratum	Lamo	85	63	86	104	118
Ld	Lamo-Baltic silty clay loams, 0 to 2 percent slopes	Lamo	60	63	86	104	118
Ld	Lamo-Baltic silty clay loams, 0 to 2 percent slopes	Baltic	25	73	100	120	135
Le	Lex clay loam, 0 to 2 percent slopes	Lex	85	155	205	241	269
Lg	Lossing silty clay, 0 to 2 percent slopes	Lossing	80	59	82	100	113
Lo	Lossing-Owego silty clays, 0 to 2 percent slopes	Lossing	50	59	82	100	113
Lo	Lossing-Owego silty clays, 0 to 2 percent slopes	Owego	30	47	66	80	92
Lr	Lossing-Vore silty clays, 0 to 2 percent slopes	Lossing	50	59	82	100	113

South Dakota Lateral Effect Tables for Clay County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lr	Lossing-Vore silty clays, 0 to 2 percent slopes	Vore	25	207	271	318	353
Lt	Luton silty clay, 0 to 2 percent slopes, occasionally flooded	Luton	90	44	62	76	87
Lu	Luton silty clay, 0 to 2 percent slopes, rarely flooded	Luton	90	44	62	76	87
McA	Meckling loamy fine sand, 0 to 4 percent slopes	Meckling	90	280	364	425	471
Mo	Modale silt loam, 0 to 2 percent slopes	Modale	85	104	139	166	186
Na	Napa-Luton complex, 0 to 2 percent slopes	Napa	50	68	94	113	128
Na	Napa-Luton complex, 0 to 2 percent slopes	Luton	30	44	62	76	87
Nb	Norway loamy fine sand, 0 to 4 percent slopes	Norway	85	151	199	235	262
NcA	Norway-Meckling loamy fine sands, 0 to 4 percent slopes	Norway	50	151	199	235	262
NcA	Norway-Meckling loamy fine sands, 0 to 4 percent slopes	Meckling	40	280	364	425	471
Oa	Onawa silty clay, 0 to 2 percent slopes	Onawa	85	61	85	103	117
Ob	Onawa-Owego silty clays, 0 to 2 percent slopes	Onawa	50	61	85	103	117
Ob	Onawa-Owego silty clays, 0 to 2 percent slopes	Owego	30	47	66	80	92
Ow	Owego silty clay, 0 to 2 percent slopes	Owego	80	47	66	80	92
Pe	Percival silty clay, 0 to 2 percent slopes	Percival	85	360	466	543	600
Ro	Roxbury silt loam, channeled	Roxbury	85	67	92	111	126
Sa	Salix silty clay loam, 0 to 2 percent slopes	Salix	85	88	120	143	161
Sd	Salmo silty clay loam, 0 to 1 percent slopes	Salmo	90	70	96	116	131
SeB	Sardak loamy fine sand, 2 to 9 percent slopes	Sardak	90	325	422	491	544
SkB	Sardak-Scroll complex, 0 to 6 percent slopes	Sardak	50	325	422	491	544
SkB	Sardak-Scroll complex, 0 to 6 percent slopes	Scroll	30	410	530	616	681
SpA	Scroll-Percival silty clays, 0 to 2 percent slopes	Scroll	45	410	530	616	681
SpA	Scroll-Percival silty clays, 0 to 2 percent slopes	Percival	35	360	466	543	600
SpB	Scroll-Percival silty clays, 2 to 6 percent slopes	Scroll	45	410	530	616	681
SpB	Scroll-Percival silty clays, 2 to 6 percent slopes	Percival	35	360	466	543	600
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Talmo	45	471	607	704	778
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Thurman	35	198	260	305	339
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	83	113	135	152
ThA	Thurman loamy fine sand, 0 to 2 percent slopes	Thurman	90	198	260	305	339
ThB	Thurman loamy fine sand, 2 to 6 percent slopes	Thurman	90	198	260	305	339
ThC	Thurman loamy fine sand, 6 to 9 percent slopes	Thurman	90	198	260	305	339
Tr	Ticonic-Grable complex, 0 to 2 percent slopes	Ticonic	45	81	110	132	149
Tr	Ticonic-Grable complex, 0 to 2 percent slopes	Grable	30	483	623	723	798
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Trent	40	78	106	128	144
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Tetonka	25	83	113	135	152
TtA	Trent-Tetonka-Wakonda complex, 0 to 3 percent slopes	Wakonda	25	76	103	124	140
TwA	Trent-Wentworth silty clay loams, 0 to 2 percent slopes	Trent	50	78	106	128	144
TwA	Trent-Wentworth silty clay loams, 0 to 2 percent slopes	Wentworth	30	62	86	104	118
Wa	Wakonda-Tetonka silt loams, 0 to 2 percent slopes	Wakonda	50	76	103	124	140
Wa	Wakonda-Tetonka silt loams, 0 to 2 percent slopes	Tetonka	30	83	113	135	152
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Wakonda	40	76	103	124	140
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Wentworth	30	62	86	104	118
Wc	Wakonda-Wentworth-Whitewood complex, 0 to 2 percent slopes	Whitewood	20	76	103	124	140
Wd	Wakonda-Whitewood complex, 0 to 2 percent slopes	Wakonda	50	76	103	124	140
Wd	Wakonda-Whitewood complex, 0 to 2 percent slopes	Whitewood	30	76	103	124	140
WkB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	45	62	86	104	118
WkB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	40	78	106	128	144
Wm	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	85	76	103	124	140
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	61	84	101	115
Wp	Worthing silty clay loam, ponded	Worthing	95	61	84	101	115

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Badger	60	82	106	123	136
J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Tonka	30	82	107	124	137
J109A	Barnes clay loam, 0 to 2 percent slopes	Barnes	80	66	86	100	111
J109B	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	66	86	100	111
J110C	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	69	90	105	116
J110C	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	61	80	93	103
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	69	90	105	116
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	61	80	93	103
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	79	102	119	131
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	69	90	105	116
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	61	80	93	103
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	20	79	102	119	131
J112A	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	55	69	90	105	116
J112A	Barnes-Svea loams, 0 to 2 percent slopes	Svea	35	79	102	119	131
J112B	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	69	90	105	116
J112B	Barnes-Svea loams, 1 to 6 percent slopes	Svea	30	79	102	119	131
J113A	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	90	83	107	125	138
J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	61	80	93	103
J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	69	90	105	116
J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	61	80	93	103
J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	69	90	105	116
J115D	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	61	80	93	103
J115D	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	69	90	105	116
J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Buse	55	61	80	93	103
J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Lamoure	30	107	138	160	176
J117E	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	61	80	93	103
J117E	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	59	78	91	100
J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	45	61	80	93	103
J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	40	99	128	148	164
J119E	Buse-Sioux complex, 9 to 40 percent slopes	Buse	50	61	80	93	103
J119E	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	468	597	688	756
J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Cavour	50	84	108	126	139
J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Ferney	30	64	83	97	108
J121A	Colvin silty clay loam, till substratum, 0 to 1 percent slopes	Colvin	85	84	108	126	139
J122A	Cubden silty clay loam, 0 to 2 percent slopes	Cubden	85	79	102	119	132
J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	50	79	102	119	132
J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	40	82	106	123	136
J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	55	79	102	119	132
J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	35	82	107	124	137
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Divide	80	250	320	369	407
J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Doburg	65	75	98	114	126
J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Forestville	28	75	98	114	126
J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Doburg	65	75	98	114	126
J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Forestville	28	75	98	114	126
J127A	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	167	214	247	272
J127A	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	177	227	263	289
J127B	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	167	214	247	272
J127B	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	177	227	263	289
J128A	Estelline silt loam, 0 to 2 percent slopes	Estelline	80	555	707	815	896
J128B	Estelline silt loam, 2 to 6 percent slopes	Estelline	80	555	707	815	896
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Estelline	50	555	707	815	896
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Kampeska	35	249	319	368	405
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	555	707	815	896
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	468	597	688	756
J131A	Fairdale loam, channeled, 0 to 2 percent slopes, frequently flooded	Fairdale	70	170	217	252	277
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Fordtown	80	371	473	546	601
J133A	Forman-Aastad loams, 0 to 2 percent slopes	Forman	55	63	82	96	106
J133A	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	35	69	90	105	116

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J133B	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	63	82	96	106
J133B	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	30	69	90	105	116
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	63	82	96	106
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	61	80	93	103
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	69	90	105	116
J135A	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	80	256	328	379	417
J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	55	142	183	211	233
J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	40	145	187	216	239
J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	50	139	179	207	228
J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	40	208	267	308	339
J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Great Bend	50	139	179	207	228
J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Zell	45	208	267	308	339
J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	65	69	89	104	115
J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	25	82	106	123	136
J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Hamerly	55	69	89	104	115
J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Balaton	35	73	95	110	122
J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	69	89	104	115
J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	82	107	124	137
J141A	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	95	123	143	158
J141B	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	95	123	143	158
J142A	Hidewood silty clay loam, 0 to 2 percent slopes, frequently flooded	Hidewood	75	70	91	105	117
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	81	105	122	135
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	83	107	125	138
J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	81	105	122	135
J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	83	107	125	138
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Kings lake	40	83	107	125	138
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	61	80	93	103
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	112	144	167	185
J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Kranzburg	50	81	105	122	135
J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Cresbard	30	99	127	148	163
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Lamoure	65	107	138	160	176
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Rauville	25	126	162	187	206
J147A	Lowe loam, 0 to 1 percent slopes, occasionally flooded	Lowe	85	122	157	182	201
J148E	Maddock loamy fine sand, 9 to 25 percent slopes	Maddock	85	272	348	402	442
J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	322	411	474	522
J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	167	214	247	272
J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	322	411	474	522
J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	167	214	247	272
J150A	Mahoney silt loam, 0 to 2 percent slopes	Mahoney	85	246	314	363	400
J151A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Marysland	80	518	661	762	837
J152A	Mauvais clay loam, occasionally ponded, 0 to 2 percent slopes	Mauvais	80	57	74	86	96
J153B	Mauvais clay loam, occasionally ponded, 2 to 6 percent slopes, extremely stony	Mauvais	80	57	74	86	96
J154A	Mckranz silty clay loam, 0 to 2 percent slopes	Mckranz	70	78	101	117	129
J155A	Mckranz silty clay loam, moderately saline, 0 to 2 percent slopes	Mckranz	85	73	95	110	122
J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Mckranz	60	78	101	117	129
J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Badger	25	82	106	123	136
J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Mckranz	65	78	101	117	129
J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Hidewood	25	70	91	105	117
J158A	Minnewasta sandy loam, occasionally ponded, 0 to 2 percent slopes	Minnewasta	80	106	137	158	175

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J158B	Minnewasta sandy loam, occasionally ponded, 2 to 6 percent slopes	Minnewasta	80	106	137	158	175
J159A	Minnewaukan loamy sand, occasionally ponded, 0 to 3 percent slopes	Minnewaukan	85	338	432	498	548
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Moritz	50	104	134	155	172
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Lamoure	30	107	138	160	176
J161A	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	85	82	107	124	137
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	40	96	124	144	158
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	61	80	93	103
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	112	144	167	185
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	99	128	148	164
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	61	80	93	103
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	112	144	167	185
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	45	99	128	148	164
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	90	117	136	150
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	112	144	167	185
J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	99	128	148	164
J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	112	144	167	185
J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	99	128	148	164
J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	112	144	167	185
J165A	Rauville mucky silty clay loam, ponded, 0 to 1 percent slopes, frequently flooded	Rauville	85	127	163	189	209
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	Rauville	85	126	162	187	206
J167A	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	235	301	347	382
J167B	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	235	301	347	382
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	235	301	347	382
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	504	643	741	815
J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	235	301	347	382
J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	504	643	741	815
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	235	301	347	382
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	468	597	688	756
J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	235	301	347	382
J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	468	597	688	756
J170A	Rentill loam, 0 to 2 percent slopes	Rentill	90	123	158	183	202
J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Renwash	85	426	543	626	689
J172A	Sedgeville sandy loam, 0 to 1 percent slopes, frequently flooded	Sedgeville	85	262	334	386	425
J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	468	597	688	756
J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	235	301	347	382
J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	468	597	688	756
J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	235	301	347	382
J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Sioux	60	468	597	688	756
J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Renshaw	30	235	301	347	382
J175A	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	90	116	135	149
J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	Spottswood	85	483	616	710	780
J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Still lake	60	92	119	138	153
J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Graceland	30	79	102	119	132
J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Still lake	65	92	119	138	153
J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Graceland	25	79	102	119	132
J178A	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	80	83	107	124	137

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J179A	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	82	107	124	137
J182A	Vallers loam, 0 to 1 percent slopes	Vallers	85	65	84	98	109
J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	65	84	98	109
J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	69	89	104	115
J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Vallers	45	65	84	98	109
J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Parnell	35	82	107	124	137
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Vienna	40	78	101	118	130
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Barnes	30	69	90	105	116
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Forestville	15	75	98	114	126
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	65	83	108	125	138
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	25	83	107	125	138
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	92	118	137	152
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	83	107	125	138
J187C	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	65	92	118	137	152
J187C	Vienna-Buse complex, 6 to 9 percent slopes	Buse	25	61	80	93	103
J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	78	101	118	130
J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	75	98	114	126
J189B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes	Wamduska	80	217	278	322	354
J190B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes, extremely stony	Wamduska	80	217	278	322	354
J191A	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	112	144	167	185
J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Waubay	55	112	144	167	185
J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Badger	35	82	106	123	136
J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Zell	65	208	267	308	339
J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Great Bend	30	141	181	210	231
J194A	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	80	103	120	133
J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	87	112	131	144
J241A	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	264	338	390	429
J241B	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	80	182	233	270	297
J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	Lamoure	85	107	138	160	176
J245A	Darnen loam, stratified substratum, 0 to 2 percent slopes	Darnen	90	133	171	198	218
J246A	Fordville loam, 0 to 2 percent slopes	Fordville	85	504	643	741	815
J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Lanona	55	94	122	141	156
J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Swenoda	35	83	107	124	137
J257A	Graceland silty clay loam, 0 to 2 percent slopes	Graceland	90	79	102	119	132
J258B	Darnen loam, 2 to 6 percent slopes	Darnen	90	76	99	115	127

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Badger	60	69	95	114	129
J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Tonka	30	70	96	115	130
J109A	Barnes clay loam, 0 to 2 percent slopes	Barnes	80	54	75	92	104
J109B	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	54	75	92	104
J110C	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	57	79	96	109
J110C	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	50	69	85	97
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	57	79	96	109
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	50	69	85	97
J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	66	91	110	125
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	57	79	96	109
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	50	69	85	97
J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	20	66	91	110	125
J112A	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	55	57	79	96	109
J112A	Barnes-Svea loams, 0 to 2 percent slopes	Svea	35	66	91	110	125
J112B	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	57	79	96	109
J112B	Barnes-Svea loams, 1 to 6 percent slopes	Svea	30	66	91	110	125
J113A	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	90	70	96	116	131
J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	50	69	85	97
J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	57	79	96	109
J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	50	69	85	97
J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	57	79	96	109
J115D	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	50	69	85	97
J115D	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	57	79	96	109
J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Buse	55	50	69	85	97
J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Lamoure	30	93	126	151	170
J117E	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	50	69	85	97
J117E	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	48	67	82	94
J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	45	50	69	85	97
J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	40	86	116	139	157
J119E	Buse-Sioux complex, 9 to 40 percent slopes	Buse	50	50	69	85	97
J119E	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	453	584	678	749
J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Cavour	50	71	97	117	132
J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Ferney	30	52	73	89	101
J121A	Colvin silty clay loam, till substratum, 0 to 1 percent slopes	Colvin	85	71	97	117	132
J122A	Cubden silty clay loam, 0 to 2 percent slopes	Cubden	85	67	92	110	125
J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	50	67	92	110	125
J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	40	69	95	114	129
J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	55	67	92	110	125
J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	35	70	96	115	130
J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Divide	80	235	308	360	399
J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Doburg	65	63	87	105	119
J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Forestville	28	63	87	105	119
J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Doburg	65	63	87	105	119
J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Forestville	28	63	87	105	119
J127A	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	152	202	238	265
J127A	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	163	215	253	282
J127B	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	152	202	238	265
J127B	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	163	215	253	282
J128A	Estelline silt loam, 0 to 2 percent slopes	Estelline	80	540	695	805	889
J128B	Estelline silt loam, 2 to 6 percent slopes	Estelline	80	540	695	805	889
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Estelline	50	540	695	805	889
J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Kampeska	35	234	306	358	398
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	540	695	805	889
J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	453	584	678	749
J131A	Fairdale loam, channeled, 0 to 2 percent slopes, frequently flooded	Fairdale	70	155	206	242	270
J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Fordtown	80	356	461	536	593
J133A	Forman-Aastad loams, 0 to 2 percent slopes	Forman	55	51	72	87	99
J133A	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	35	57	79	96	109

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J133B	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	51	72	87	99
J133B	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	30	57	79	96	109
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	51	72	87	99
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	50	69	85	97
J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	57	79	96	109
J135A	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	80	242	316	369	409
J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	55	128	171	202	226
J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	40	131	175	207	231
J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	50	125	167	198	221
J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	40	194	255	299	332
J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Great Bend	50	125	167	198	221
J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Zell	45	194	255	299	332
J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	65	57	79	95	108
J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	25	69	95	114	129
J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Hamerly	55	57	79	95	108
J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Balaton	35	61	84	101	115
J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	57	79	95	108
J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	70	96	115	130
J141A	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	82	112	134	151
J141B	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	82	112	134	151
J142A	Hidewood silty clay loam, 0 to 2 percent slopes, frequently flooded	Hidewood	75	58	80	97	110
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	68	94	113	128
J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	70	96	116	131
J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	68	94	113	128
J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	70	96	116	131
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Kings lake	40	70	96	116	131
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	50	69	85	97
J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	99	133	158	178
J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Kranzburg	50	68	94	113	128
J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Cresbard	30	85	116	139	156
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Lamoure	65	93	126	151	170
J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Rauville	25	112	150	178	199
J147A	Lowe loam, 0 to 1 percent slopes, occasionally flooded	Lowe	85	108	145	173	194
J148E	Maddock loamy fine sand, 9 to 25 percent slopes	Maddock	85	258	336	392	435
J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	307	399	465	515
J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	152	202	238	265
J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	307	399	465	515
J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	152	202	238	265
J150A	Mahoney silt loam, 0 to 2 percent slopes	Mahoney	85	231	302	353	392
J151A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Marysland	80	503	648	752	830
J152A	Mauvais clay loam, occasionally ponded, 0 to 2 percent slopes	Mauvais	80	45	64	78	89
J153B	Mauvais clay loam, occasionally ponded, 2 to 6 percent slopes, extremely stony	Mauvais	80	45	64	78	89
J154A	Mckranz silty clay loam, 0 to 2 percent slopes	Mckranz	70	65	90	108	123
J155A	Mckranz silty clay loam, moderately saline, 0 to 2 percent slopes	Mckranz	85	61	84	101	115
J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Mckranz	60	65	90	108	123
J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Badger	25	69	95	114	129
J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Mckranz	65	65	90	108	123
J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Hidewood	25	58	80	97	110
J158A	Minnewasta sandy loam, occasionally ponded, 0 to 2 percent slopes	Minnewasta	80	93	125	149	168

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J158B	Minnewasta sandy loam, occasionally ponded, 2 to 6 percent slopes	Minnewasta	80	93	125	149	168
J159A	Minnewaukan loamy sand, occasionally ponded, 0 to 3 percent slopes	Minnewaukan	85	323	420	489	541
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Moritz	50	91	123	146	165
J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Lamoure	30	93	126	151	170
J161A	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	85	70	96	115	130
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	40	83	112	134	152
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	50	69	85	97
J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	99	133	158	178
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	86	116	139	157
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	50	69	85	97
J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	99	133	158	178
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	45	86	116	139	157
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	77	106	127	143
J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	99	133	158	178
J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	86	116	139	157
J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	99	133	158	178
J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	86	116	139	157
J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	99	133	158	178
J165A	Rauville mucky silty clay loam, ponded, 0 to 1 percent slopes, frequently flooded	Rauville	85	113	152	180	202
J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	Rauville	85	112	150	178	199
J167A	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	220	288	338	375
J167B	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	220	288	338	375
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	220	288	338	375
J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	489	630	731	807
J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	220	288	338	375
J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	489	630	731	807
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	220	288	338	375
J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	453	584	678	749
J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	220	288	338	375
J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	453	584	678	749
J170A	Rentill loam, 0 to 2 percent slopes	Rentill	90	109	146	174	195
J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Renwash	85	411	531	617	682
J172A	Sedgeville sandy loam, 0 to 1 percent slopes, frequently flooded	Sedgeville	85	247	322	377	418
J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	453	584	678	749
J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	220	288	338	375
J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	453	584	678	749
J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	220	288	338	375
J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Sioux	60	453	584	678	749
J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Renshaw	30	220	288	338	375
J175A	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	77	105	126	142
J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	Spottswood	85	468	603	700	773
J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Still lake	60	79	108	129	146
J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Graceland	30	66	91	110	125
J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Still lake	65	79	108	129	146
J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Graceland	25	66	91	110	125
J178A	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	80	70	96	115	131

South Dakota Lateral Effect Tables for Codington County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
J179A	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	70	96	115	130
J182A	Vallers loam, 0 to 1 percent slopes	Vallers	85	53	74	89	102
J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	53	74	89	102
J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	57	79	95	108
J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Vallers	45	53	74	89	102
J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Parnell	35	70	96	115	130
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Vienna	40	65	90	109	123
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Barnes	30	57	79	96	109
J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Forestville	15	63	87	105	119
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	65	70	97	116	132
J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	25	70	96	116	131
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	79	107	128	145
J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	70	96	116	131
J187C	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	65	79	107	128	145
J187C	Vienna-Buse complex, 6 to 9 percent slopes	Buse	25	50	69	85	97
J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	65	90	109	123
J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	63	87	105	119
J189B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes	Wamduska	80	203	266	312	347
J190B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes, extremely stony	Wamduska	80	203	266	312	347
J191A	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	99	133	158	178
J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Waubay	55	99	133	158	178
J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Badger	35	69	95	114	129
J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Zell	65	194	255	299	332
J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Great Bend	30	127	169	200	224
J194A	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	67	92	111	126
J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	74	101	122	138
J241A	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	249	325	380	422
J241B	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	80	168	221	260	290
J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	Lamoure	85	93	126	151	170
J245A	Darnen loam, stratified substratum, 0 to 2 percent slopes	Darnen	90	119	159	189	211
J246A	Fordville loam, 0 to 2 percent slopes	Fordville	85	489	630	731	807
J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Lanona	55	81	110	132	149
J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Swenoda	35	70	96	115	131
J257A	Graceland silty clay loam, 0 to 2 percent slopes	Graceland	90	66	91	110	125
J258B	Darnen loam, 2 to 6 percent slopes	Darnen	90	64	88	106	121

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
An	Arnegard loam	Arnegard	90	99	128	148	164
Bb	Badland	Badland	85	69	89	104	115
Bd	Banks fine sand	Banks	85	307	393	453	499
BeA	Belfield-Daglum complex, 0 to 3 percent slopes	Daglum	25	53	69	80	89
BfA	Bryant silt loam, 0 to 2 percent slopes	Bryant	90	133	171	199	219
BfB	Bryant silt loam, 2 to 6 percent slopes	Bryant	90	133	171	199	219
BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Bryant	60	133	171	199	219
BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Sutley	30	187	240	277	305
BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Bryant	60	133	171	199	219
BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Sutley	30	187	240	277	305
BlA	Bullcreek clay, 0 to 4 percent slopes	Bullcreek	90	70	91	107	118
BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Bullcreek	55	70	91	107	118
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent	Rockoutcrop	25	69	89	104	115
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Telfer	30	134	173	200	221
CeE	Cabba-Shambo loams, 6 to 40 percent slopes	Shambo	25	134	172	200	220
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent	Rockoutcrop	20	69	89	104	115
DaA	Daglum loam, 0 to 3 percent slopes	Daglum	85	53	69	80	89
DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Rockoutcrop	25	69	89	104	115
EpB	Ekalaka-Parshall complex, 0 to 6 percent slopes	Parshall	30	136	175	203	224
FaA	Farnuf loam, 0 to 2 percent slopes	Farnuf	90	91	117	136	151
FaB	Farnuf loam, 2 to 6 percent slopes	Farnuf	90	91	117	136	151
FrF	Flasher-Rock outcrop complex, 30 to 60 percent slopes	Rockoutcrop	30	69	89	104	115
FtF	Flasher-Telfer complex, 15 to 40 percent slopes	Telfer	40	134	173	200	221
Ge	Glenross fine sandy loam	Glenross	90	241	309	356	392
Gk	Glenross-Ekalaka fine sandy loams	Glenross	55	241	309	356	392
Gr	Grail silty clay loam	Grail	90	73	95	110	122
Gs	Grassna silt loam	Grassna	90	126	163	188	208
Hd	Harriet loam	Harriet	90	90	117	136	150
Hf	Havrelon loam	Havrelon	85	72	94	109	121
Hg	Havrelon loam, channeled	Havrelon	90	72	94	109	121
Hn	Havrelon loam, terrace	Havrelon	90	88	114	132	146
HrA	Havrelon-Rhoades loams, 0 to 4 percent slopes	Havrelon	55	88	114	132	146
HrA	Havrelon-Rhoades loams, 0 to 4 percent slopes	Rhoades	30	85	109	127	141
Hs	Heil silt loam	Heil	90	61	80	93	103
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Janesburg	27	93	120	139	153
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Cabba	16	72	94	109	120
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Regent	16	67	87	102	113
Ka	Korchea loam	Korchea	85	75	97	113	125
Kc	Korchea loam, channeled	Korchea	85	122	157	182	200
La	Lallie silty clay loam	Lallie	90	82	106	123	136
LeA	Lehr loam, 0 to 2 percent slopes	Lehr	90	410	523	603	663
LeB	Lehr loam, 2 to 6 percent slopes	Lehr	90	410	523	603	663
Mc	McKenzie clay	McKenzie	90	72	93	108	120
PeA	Parshall fine sandy loam, 0 to 6 percent slopes	Parshall	85	136	175	203	224
Pg	Pits, gravel	Orthents	95	400	510	588	647
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	102	131	153	168
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	102	131	153	168
RsB	Rhoades-Daglum loams, 0 to 9 percent slopes	Daglum	35	53	69	80	89
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent	Daglum	30	53	69	80	89
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40	Rockoutcrop	20	69	89	104	115
RzF	Rock outcrop-Cabba complex, 6 to 40 percent slopes	Rockoutcrop	65	69	89	104	115
SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Wabek	35	384	489	564	621
SgA	Savage silt loam, 0 to 3 percent slopes	Savage	85	92	119	138	152
SgB	Savage silt loam, 3 to 6 percent slopes	Savage	85	92	119	138	152
ShA	Shambo loam, 0 to 2 percent slopes	Shambo	90	101	130	151	166
ShB	Shambo loam, 2 to 6 percent slopes	Shambo	90	101	130	151	166
ShC	Shambo loam, 6 to 9 percent slopes	Shambo	90	101	130	151	166
StA	Stady loam, 0 to 2 percent slopes	Stady	85	630	802	924	1016
StB	Stady loam, 2 to 6 percent slopes	Stady	85	630	802	924	1016
TaA	Tally fine sandy loam, 0 to 6 percent slopes	Tally	90	203	260	300	331
TdA	Telfer loamy sand, 0 to 6 percent slopes	Telfer	87	134	173	200	221
TeB	Telfer-Ekalaka complex, 0 to 6 percent slopes	Telfer	55	134	173	200	221

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Th	Trembles fine sandy loam	Trembles	90	184	236	273	301
Tm	Trembles fine sandy loam, channeled	Trembles	90	184	236	273	301
Tt	Trembles fine sandy loam, terrace	Trembles	90	131	169	196	216
WaD	Wabek gravelly sandy loam, 2 to 35 percent slopes	Wabek	85	384	489	564	621
Wt	Wendte silty clay, channeled	Wendte	90	85	110	128	142
ZeB	Zeona loamy fine sand, 0 to 6 percent slopes	Zeona	85	133	172	199	219
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent	Zeona	45	133	172	199	219
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent	Rockoutcrop	15	69	89	104	115
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
BeA	Belfield-Daglum complex, 0 to 3 percent slopes	Belfield	55	barrier	barrier	barrier	barrier
BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Slickspots	35	barrier	barrier	barrier	barrier
BnA	Bullock fine sandy loam, 0 to 6 percent slopes	Bullock	90	barrier	barrier	barrier	barrier
BrB	Bullock-Parchin fine sandy loams, 0 to 9 percent slopes	Bullock	45	barrier	barrier	barrier	barrier
BrB	Bullock-Parchin fine sandy loams, 0 to 9 percent slopes	Parchin	35	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Bullock	35	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Parchin	30	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Slickspots	15	barrier	barrier	barrier	barrier
BuB	Bullock-Slickspots complex, 0 to 6 percent slopes	Bullock	55	barrier	barrier	barrier	barrier
BuB	Bullock-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent	Bullock	35	barrier	barrier	barrier	barrier
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent	Slickspots	30	barrier	barrier	barrier	barrier
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Bullock	40	barrier	barrier	barrier	barrier
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Parchin	20	barrier	barrier	barrier	barrier
CaF	Cabba-Amor loams, 15 to 60 percent slopes	Cabba	55	barrier	barrier	barrier	barrier
CaF	Cabba-Amor loams, 15 to 60 percent slopes	Amor	25	barrier	barrier	barrier	barrier
CbD	Cabba-Reeder loams, 6 to 25 percent slopes	Cabba	55	barrier	barrier	barrier	barrier
CbD	Cabba-Reeder loams, 6 to 25 percent slopes	Reeder	30	barrier	barrier	barrier	barrier
CeE	Cabba-Shambo loams, 6 to 40 percent slopes	Cabba	50	barrier	barrier	barrier	barrier
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent	Cohagen	40	barrier	barrier	barrier	barrier
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent	Cabba	30	barrier	barrier	barrier	barrier
CvD	Cohagen-Vebar fine sandy loams, 6 to 25 percent slopes	Cohagen	55	barrier	barrier	barrier	barrier
CvD	Cohagen-Vebar fine sandy loams, 6 to 25 percent slopes	Vebar	30	barrier	barrier	barrier	barrier
DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Dupree	65	barrier	barrier	barrier	barrier
EkA	Ekalaka very fine sandy loam, 0 to 6 percent slopes	Ekalaka	90	barrier	barrier	barrier	barrier
EpB	Ekalaka-Parshall complex, 0 to 6 percent slopes	Ekalaka	55	barrier	barrier	barrier	barrier
EvB	Evridge fine sandy loam, 0 to 6 percent slopes	Evridge	90	barrier	barrier	barrier	barrier
EwB	Evridge-Bullock fine sandy loams, 0 to 6 percent slopes	Evridge	50	barrier	barrier	barrier	barrier
EwB	Evridge-Bullock fine sandy loams, 0 to 6 percent slopes	Bullock	40	barrier	barrier	barrier	barrier
ExB	Evridge-Parchin fine sandy loams, 0 to 6 percent slopes	Evridge	50	barrier	barrier	barrier	barrier
ExB	Evridge-Parchin fine sandy loams, 0 to 6 percent slopes	Parchin	30	barrier	barrier	barrier	barrier
FrF	Flasher-Rock outcrop complex, 30 to 60 percent slopes	Flasher	60	barrier	barrier	barrier	barrier
FtF	Flasher-Telfer complex, 15 to 40 percent slopes	Flasher	50	barrier	barrier	barrier	barrier
Gk	Glenross-Ekalaka fine sandy loams	Ekalaka	35	barrier	barrier	barrier	barrier
HuB	Hurley silt loam, 0 to 9 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Hurley	50	barrier	barrier	barrier	barrier
HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
OaB	Opal clay, 2 to 6 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OaC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OdC	Opal-Dupree clays, 2 to 9 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OdC	Opal-Dupree clays, 2 to 9 percent slopes	Dupree	30	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	30	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
PaB	Parchin fine sandy loam, 0 to 9 percent slopes	Parchin	85	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Parchin	35	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Bullock	25	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Cabba	25	barrier	barrier	barrier	barrier
RaA	Reeder loam, 0 to 2 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaB	Reeder loam, 2 to 6 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaC	Reeder loam, 6 to 9 percent slopes	Reeder	85	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RcB	Reeder-Cabba loams, 3 to 6 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RcB	Reeder-Cabba loams, 3 to 6 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
RcC	Reeder-Cabba loams, 6 to 9 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RcC	Reeder-Cabba loams, 6 to 9 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
RhB	Reeder-Rhoades loams, 2 to 9 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RhB	Reeder-Rhoades loams, 2 to 9 percent slopes	Rhoades	30	barrier	barrier	barrier	barrier
RnA	Regent silty clay loam, 0 to 2 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RnB	Regent silty clay loam, 2 to 6 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RpC	Regent-Wayden silty clay loams, 6 to 15 percent slopes	Regent	50	barrier	barrier	barrier	barrier
RpC	Regent-Wayden silty clay loams, 6 to 15 percent slopes	Wayden	35	barrier	barrier	barrier	barrier
RrA	Rhoades loam, 0 to 6 percent slopes	Rhoades	90	barrier	barrier	barrier	barrier
RsB	Rhoades-Daglum loams, 0 to 9 percent slopes	Rhoades	50	barrier	barrier	barrier	barrier
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent	Rhoades	40	barrier	barrier	barrier	barrier
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent	Slickspots	15	barrier	barrier	barrier	barrier
RuB	Rhoades-Slickspots complex, 0 to 6 percent slopes	Rhoades	50	barrier	barrier	barrier	barrier
RuB	Rhoades-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40	Rhoades	40	barrier	barrier	barrier	barrier
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40	Slickspots	30	barrier	barrier	barrier	barrier
RzF	Rock outcrop-Cabba complex, 6 to 40 percent slopes	Cabba	25	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	30	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Opal	30	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Dupree	20	barrier	barrier	barrier	barrier
SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
TeB	Telfer-Ekalaka complex, 0 to 6 percent slopes	Ekalaka	35	barrier	barrier	barrier	barrier
VeA	Vebar fine sandy loam, 0 to 2 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VeB	Vebar fine sandy loam, 2 to 6 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VhB	Vebar-Cohagen fine sandy loams, 2 to 9 percent slopes	Vebar	55	barrier	barrier	barrier	barrier
VhB	Vebar-Cohagen fine sandy loams, 2 to 9 percent slopes	Cohagen	30	barrier	barrier	barrier	barrier
WcE	Wayden-Cabba complex, 9 to 40 percent slopes	Wayden	50	barrier	barrier	barrier	barrier
WcE	Wayden-Cabba complex, 9 to 40 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
WdE	Wayden and Cabba soils, 6 to 40 percent slopes,	Cabba	45	barrier	barrier	barrier	barrier
WdE	Wayden and Cabba soils, 6 to 40 percent slopes,	Wayden	45	barrier	barrier	barrier	barrier
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent	Slickspots	25	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
An	Arnegard loam	Arnegard	90	86	117	139	157
Bb	Badland	Badland	85	56	78	95	108
Bd	Banks fine sand	Banks	85	293	380	444	491
BeA	Belfield-Daglum complex, 0 to 3 percent slopes	Daglum	25	41	59	72	83
BfA	Bryant silt loam, 0 to 2 percent slopes	Bryant	90	120	160	189	212
BfB	Bryant silt loam, 2 to 6 percent slopes	Bryant	90	120	160	189	212
BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Bryant	60	120	160	189	212
BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Sutley	30	173	228	268	298
BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Bryant	60	120	160	189	212
BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Sutley	30	173	228	268	298
BlA	Bullcreek clay, 0 to 4 percent slopes	Bullcreek	90	58	81	98	111
BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Bullcreek	55	58	81	98	111
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Rockoutcrop	25	56	78	95	108
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Telfer	30	120	161	191	213
CeE	Cabba-Shambo loams, 6 to 40 percent slopes	Shambo	25	120	161	190	213
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent slopes	Rockoutcrop	20	56	78	95	108
DaA	Daglum loam, 0 to 3 percent slopes	Daglum	85	41	59	72	83
DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Rockoutcrop	25	56	78	95	108
EpB	Ekalaka-Parshall complex, 0 to 6 percent slopes	Parshall	30	122	164	194	217
FaA	Farnuf loam, 0 to 2 percent slopes	Farnuf	90	78	106	127	144
FaB	Farnuf loam, 2 to 6 percent slopes	Farnuf	90	78	106	127	144
FrF	Flasher-Rock outcrop complex, 30 to 60 percent slopes	Rockoutcrop	30	56	78	95	108
FtF	Flasher-Telfer complex, 15 to 40 percent slopes	Telfer	40	120	161	191	213
Ge	Glenross fine sandy loam	Glenross	90	227	296	347	385
Gk	Glenross-Ekalaka fine sandy loams	Glenross	55	227	296	347	385
Gr	Grail silty clay loam	Grail	90	61	84	102	115
Gs	Grassna silt loam	Grassna	90	113	151	179	201
Hd	Harriet loam	Harriet	90	77	106	127	143
Hf	Havrelon loam	Havrelon	85	60	83	101	114
Hg	Havrelon loam, channeled	Havrelon	90	60	83	101	114
Hn	Havrelon loam, terrace	Havrelon	90	75	102	123	139
HrA	Havrelon-Rhoades loams, 0 to 4 percent slopes	Havrelon	55	75	102	123	139
HrA	Havrelon-Rhoades loams, 0 to 4 percent slopes	Rhoades	30	72	98	118	134
Hs	Heil silt loam	Heil	90	50	69	85	96
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Janesburg	27	80	108	130	147
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Cabba	16	60	83	100	114
JrF	Janesburg-Regent-Cabba complex, 9 to 35 percent slopes	Regent	16	55	77	93	106
Ka	Korchea loam	Korchea	85	62	86	104	118
Kc	Korchea loam, channeled	Korchea	85	108	145	172	193
La	Lallie silty clay loam	Lallie	90	69	95	114	129
LeA	Lehr loam, 0 to 2 percent slopes	Lehr	90	395	510	593	656
LeB	Lehr loam, 2 to 6 percent slopes	Lehr	90	395	510	593	656
Mc	McKenzie clay	McKenzie	90	59	82	100	113
PeA	Parshall fine sandy loam, 0 to 6 percent slopes	Parshall	85	122	164	194	217
Pg	Pits, gravel	Orthents	95	385	497	578	639
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	89	120	143	161
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	89	120	143	161
RsB	Rhoades-Daglum loams, 0 to 9 percent slopes	Daglum	35	41	59	72	83
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent slopes	Daglum	30	41	59	72	83
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Rockoutcrop	20	56	78	95	108
RzF	Rock outcrop-Cabba complex, 6 to 40 percent slopes	Rockoutcrop	65	56	78	95	108
SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Wabek	35	368	477	555	614
SgA	Savage silt loam, 0 to 3 percent slopes	Savage	85	79	108	129	146
SgB	Savage silt loam, 3 to 6 percent slopes	Savage	85	79	108	129	146
ShA	Shambo loam, 0 to 2 percent slopes	Shambo	90	87	119	142	159
ShB	Shambo loam, 2 to 6 percent slopes	Shambo	90	87	119	142	159
ShC	Shambo loam, 6 to 9 percent slopes	Shambo	90	87	119	142	159
StA	Stady loam, 0 to 2 percent slopes	Stady	85	614	789	914	1009
StB	Stady loam, 2 to 6 percent slopes	Stady	85	614	789	914	1009
TaA	Tally fine sandy loam, 0 to 6 percent slopes	Tally	90	188	248	291	324
TdA	Telfer loamy sand, 0 to 6 percent slopes	Telfer	87	120	161	191	213
TeB	Telfer-Ekalaka complex, 0 to 6 percent slopes	Telfer	55	120	161	191	213

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
Th	Trembles fine sandy loam	Trembles	90	170	224	264	294
Tm	Trembles fine sandy loam, channeled	Trembles	90	170	224	264	294
Tt	Trembles fine sandy loam, terrace	Trembles	90	117	157	186	209
WaD	Wabek gravelly sandy loam, 2 to 35 percent slopes	Wabek	85	368	477	555	614
Wt	Wendte silty clay, channeled	Wendte	90	72	99	119	135
ZeB	Zeona loamy fine sand, 0 to 6 percent slopes	Zeona	85	120	160	189	212
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent slopes	Zeona	45	120	160	189	212
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent slopes	Rockoutcrop	15	56	78	95	108
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
BeA	Belfield-Daglum complex, 0 to 3 percent slopes	Belfield	55	barrier	barrier	barrier	barrier
BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Slickspots	35	barrier	barrier	barrier	barrier
BnA	Bullock fine sandy loam, 0 to 6 percent slopes	Bullock	90	barrier	barrier	barrier	barrier
BrB	Bullock-Parchin fine sandy loams, 0 to 9 percent slopes	Bullock	45	barrier	barrier	barrier	barrier
BrB	Bullock-Parchin fine sandy loams, 0 to 9 percent slopes	Parchin	35	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Bullock	35	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Parchin	30	barrier	barrier	barrier	barrier
BsB	Bullock-Parchin-Slickspots complex, 0 to 9 percent slopes	Slickspots	15	barrier	barrier	barrier	barrier
BuB	Bullock-Slickspots complex, 0 to 6 percent slopes	Bullock	55	barrier	barrier	barrier	barrier
BuB	Bullock-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Bullock	35	barrier	barrier	barrier	barrier
BvE	Bullock-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Bullock	40	barrier	barrier	barrier	barrier
BzB	Bullock-Telfer-Parchin complex, 0 to 9 percent slopes	Parchin	20	barrier	barrier	barrier	barrier
CaF	Cabba-Amor loams, 15 to 60 percent slopes	Cabba	55	barrier	barrier	barrier	barrier
CaF	Cabba-Amor loams, 15 to 60 percent slopes	Amor	25	barrier	barrier	barrier	barrier
CbD	Cabba-Reeder loams, 6 to 25 percent slopes	Cabba	55	barrier	barrier	barrier	barrier
CbD	Cabba-Reeder loams, 6 to 25 percent slopes	Reeder	30	barrier	barrier	barrier	barrier
CeE	Cabba-Shambo loams, 6 to 40 percent slopes	Cabba	50	barrier	barrier	barrier	barrier
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent slopes	Cohagen	40	barrier	barrier	barrier	barrier
CgF	Cohagen-Cabba-Rock outcrop complex, 6 to 70 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
CvD	Cohagen-Vebar fine sandy loams, 6 to 25 percent slopes	Cohagen	55	barrier	barrier	barrier	barrier
CvD	Cohagen-Vebar fine sandy loams, 6 to 25 percent slopes	Vebar	30	barrier	barrier	barrier	barrier
DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Dupree	65	barrier	barrier	barrier	barrier
EkA	Ekalaka very fine sandy loam, 0 to 6 percent slopes	Ekalaka	90	barrier	barrier	barrier	barrier
EpB	Ekalaka-Parshall complex, 0 to 6 percent slopes	Ekalaka	55	barrier	barrier	barrier	barrier
EvB	Evridge fine sandy loam, 0 to 6 percent slopes	Evridge	90	barrier	barrier	barrier	barrier
EwB	Evridge-Bullock fine sandy loams, 0 to 6 percent slopes	Evridge	50	barrier	barrier	barrier	barrier
EwB	Evridge-Bullock fine sandy loams, 0 to 6 percent slopes	Bullock	40	barrier	barrier	barrier	barrier
ExB	Evridge-Parchin fine sandy loams, 0 to 6 percent slopes	Evridge	50	barrier	barrier	barrier	barrier
ExB	Evridge-Parchin fine sandy loams, 0 to 6 percent slopes	Parchin	30	barrier	barrier	barrier	barrier
FrF	Flasher-Rock outcrop complex, 30 to 60 percent slopes	Flasher	60	barrier	barrier	barrier	barrier
FtF	Flasher-Telfer complex, 15 to 40 percent slopes	Flasher	50	barrier	barrier	barrier	barrier
Gk	Glenross-Ekalaka fine sandy loams	Ekalaka	35	barrier	barrier	barrier	barrier
HuB	Hurley silt loam, 0 to 9 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Hurley	50	barrier	barrier	barrier	barrier
HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
OaB	Opal clay, 2 to 6 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OaC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OdC	Opal-Dupree clays, 2 to 9 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OdC	Opal-Dupree clays, 2 to 9 percent slopes	Dupree	30	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	30	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
PaB	Parchin fine sandy loam, 0 to 9 percent slopes	Parchin	85	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Parchin	35	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Bullock	25	barrier	barrier	barrier	barrier
PdD	Parchin-Bullock-Cabba complex, 6 to 30 percent slopes	Cabba	25	barrier	barrier	barrier	barrier
RaA	Reeder loam, 0 to 2 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaB	Reeder loam, 2 to 6 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaC	Reeder loam, 6 to 9 percent slopes	Reeder	85	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Corson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
RcB	Reeder-Cabba loams, 3 to 6 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RcB	Reeder-Cabba loams, 3 to 6 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
RcC	Reeder-Cabba loams, 6 to 9 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RcC	Reeder-Cabba loams, 6 to 9 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
RhB	Reeder-Rhoades loams, 2 to 9 percent slopes	Reeder	60	barrier	barrier	barrier	barrier
RhB	Reeder-Rhoades loams, 2 to 9 percent slopes	Rhoades	30	barrier	barrier	barrier	barrier
RnA	Regent silty clay loam, 0 to 2 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RnB	Regent silty clay loam, 2 to 6 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RpC	Regent-Wayden silty clay loams, 6 to 15 percent slopes	Regent	50	barrier	barrier	barrier	barrier
RpC	Regent-Wayden silty clay loams, 6 to 15 percent slopes	Wayden	35	barrier	barrier	barrier	barrier
RrA	Rhoades loam, 0 to 6 percent slopes	Rhoades	90	barrier	barrier	barrier	barrier
RsB	Rhoades-Daglum loams, 0 to 9 percent slopes	Rhoades	50	barrier	barrier	barrier	barrier
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent slopes	Rhoades	40	barrier	barrier	barrier	barrier
RtB	Rhoades-Daglum-Slickspots complex, 0 to 9 percent slopes	Slickspots	15	barrier	barrier	barrier	barrier
RuB	Rhoades-Slickspots complex, 0 to 6 percent slopes	Rhoades	50	barrier	barrier	barrier	barrier
RuB	Rhoades-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Rhoades	40	barrier	barrier	barrier	barrier
RvE	Rhoades-Slickspots-Rock outcrop complex, 0 to 40 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
RzF	Rock outcrop-Cabba complex, 6 to 40 percent slopes	Cabba	25	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	30	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Opal	30	barrier	barrier	barrier	barrier
SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Dupree	20	barrier	barrier	barrier	barrier
SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Sansarc	55	barrier	barrier	barrier	barrier
TeB	Telfer-Ekalaka complex, 0 to 6 percent slopes	Ekalaka	35	barrier	barrier	barrier	barrier
VeA	Vebar fine sandy loam, 0 to 2 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VeB	Vebar fine sandy loam, 2 to 6 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VhB	Vebar-Cohagen fine sandy loams, 2 to 9 percent slopes	Vebar	55	barrier	barrier	barrier	barrier
VhB	Vebar-Cohagen fine sandy loams, 2 to 9 percent slopes	Cohagen	30	barrier	barrier	barrier	barrier
WcE	Wayden-Cabba complex, 9 to 40 percent slopes	Wayden	50	barrier	barrier	barrier	barrier
WcE	Wayden-Cabba complex, 9 to 40 percent slopes	Cabba	30	barrier	barrier	barrier	barrier
WdE	Wayden and Cabba soils, 6 to 40 percent slopes, extremely stony	Cabba	45	barrier	barrier	barrier	barrier
WdE	Wayden and Cabba soils, 6 to 40 percent slopes, extremely stony	Wayden	45	barrier	barrier	barrier	barrier
ZsD	Zeona-Slickspots-Rock outcrop complex, 0 to 30 percent slopes	Slickspots	25	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Davison County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Chaska loam	Chaska	80	75	97	113	125
BaA	Beadle loam, 0 to 2 percent slopes	Beadle	85	54	71	83	92
BeE	Betts and Ethan loams, 21 to 40 percent slopes	Betts	50	68	89	103	114
BeE	Betts and Ethan loams, 21 to 40 percent slopes	Ethan	40	60	78	91	101
BhD	Betts-Ethan loams, 6 to 21 percent slopes	Betts	40	68	89	103	114
BhD	Betts-Ethan loams, 6 to 21 percent slopes	Ethan	30	60	78	91	101
BlE	Betts-Gavins complex, 15 to 40 percent slopes	Betts	40	68	89	103	114
BlE	Betts-Gavins complex, 15 to 40 percent slopes	Gavins	25	barrier	barrier	barrier	barrier
BmA	Blendon sandy loam, 0 to 3 percent slopes	Blendon	80	182	233	269	297
BnA	Blendon-Firesteel complex, 0 to 3 percent slopes	Blendon	55	182	233	269	297
BnA	Blendon-Firesteel complex, 0 to 3 percent slopes	Firesteel	35	59	barrier	barrier	barrier
BoA	Bon loam, 0 to 2 percent slopes	Bon	85	108	139	162	178
Ca	Clamo silty clay loam	Clamo	85	96	124	144	159
Cc	Clamo silty clay loam, frequently flooded	Clamo	70	90	116	135	149
CeB	Clarno-Ethan loams, 3 to 6 percent slopes	Clarno	60	74	96	112	123
CeB	Clarno-Ethan loams, 3 to 6 percent slopes	Ethan	25	60	78	91	101
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	74	96	112	123
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	60	78	91	101
ChA	Clarno-Houdek loams, 0 to 3 percent slopes	Clarno	45	74	96	112	123
ChA	Clarno-Houdek loams, 0 to 3 percent slopes	Houdek	35	70	90	105	116
ChB	Clarno-Houdek loams, 3 to 6 percent slopes	Clarno	50	74	96	112	123
ChB	Clarno-Houdek loams, 3 to 6 percent slopes	Houdek	35	70	90	105	116
DhA	Davison-Hand loams, 0 to 2 percent slopes	Davison	50	131	169	196	216
DhA	Davison-Hand loams, 0 to 2 percent slopes	Hand	30	99	128	148	164
DmB	Delmont loam, 3 to 6 percent slopes	Delmont	90	517	659	760	836
EnA	Enet loam, 0 to 3 percent slopes	Enet	80	542	691	797	876
EoA	Enet-Delmont loams, 0 to 3 percent slopes	Enet	60	542	691	797	876
EoA	Enet-Delmont loams, 0 to 3 percent slopes	Delmont	33	517	659	760	836
EoB	Enet-Delmont loams, 3 to 6 percent slopes	Enet	55	542	691	797	876
EoB	Enet-Delmont loams, 3 to 6 percent slopes	Delmont	30	517	659	760	836
EsA	Dimo-Storla loams, 0 to 2 percent slopes	Dimo	70	279	356	411	452
EsA	Dimo-Storla loams, 0 to 2 percent slopes	Storla	25	339	433	500	550
EtC2	Ethan-Betts loams, 5 to 9 percent slopes, eroded	Ethan	40	60	78	91	101
EtC2	Ethan-Betts loams, 5 to 9 percent slopes, eroded	Betts	25	68	89	103	114
FeA	Fedora sandy loam, 0 to 3 percent slopes	Fedora	75	294	375	433	477
FsA	Firesteel silt loam, 0 to 2 percent slopes	Firesteel	90	59	barrier	barrier	barrier
HaB	Hand loam, 3 to 6 percent slopes	Hand	85	99	128	148	164
HdA	Hand-Davison loams, 0 to 3 percent slopes	Hand	70	99	128	148	164
HdA	Hand-Davison loams, 0 to 3 percent slopes	Davison	20	90	116	135	150
HkA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	60	70	90	105	116
HkA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	75	97	113	125
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Houdek	40	70	90	105	116
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Prosper	25	75	97	113	125
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Stickney	20	65	84	98	108
HsA	Houdek-Stickney loams, 0 to 2 percent slopes	Houdek	50	70	90	105	116
HsA	Houdek-Stickney loams, 0 to 2 percent slopes	Stickney	35	65	84	98	108
La	Lamo silt loam	Lamo	90	80	103	120	133
LpA	Lamo and Prosper soils, 0 to 3 percent slopes	Lamo	45	80	103	120	133
LpA	Lamo and Prosper soils, 0 to 3 percent slopes	Prosper	40	75	97	113	125
PrA	Prosper silt loam, 0 to 3 percent slopes	Prosper	80	86	112	130	144
PrB	Prosper silt loam, 3 to 6 percent slopes	Prosper	85	89	116	134	148
ReA	Redstoe loam, 0 to 3 percent slopes	Redstoe	85	67	barrier	barrier	barrier
ReC	Redstoe loam, 3 to 9 percent slopes	Redstoe	85	67	barrier	barrier	barrier
ReD	Redstoe loam, 9 to 21 percent slopes	Redstoe	80	67	barrier	barrier	barrier
Sa	Salmo silt loam	Salmo	80	94	122	142	156
SdA	Stickney-Dudley complex, 0 to 2 percent slopes	Stickney	65	65	84	98	108
SdA	Stickney-Dudley complex, 0 to 2 percent slopes	Dudley	20	85	110	128	142
SoA	Storla loam, 0 to 2 percent slopes	Storla	75	339	433	500	550
StA	Arlo-Durrstein complex, 0 to 2 percent slopes	Arlo	60	293	374	432	475

South Dakota Lateral Effect Tables for Davison County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
StA	Arlo-Durrstein complex, 0 to 2 percent slopes	Durrstein	25	66	86	100	111
TeA	Tetonka silt loam, 0 to 2 percent slopes	Tetonka	90	109	140	163	180
TsA	Tetonka-Stickney complex, 0 to 3 percent slopes	Tetonka	45	109	140	163	180
TsA	Tetonka-Stickney complex, 0 to 3 percent slopes	Stickney	40	65	84	98	108
Wo	Worthing silty clay loam	Worthing	85	67	87	101	112
Wp	Worthing silty clay loam, ponded	Worthing	85	70	91	106	117

South Dakota Lateral Effect Tables for Davison County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Chaska loam	Chaska	80	63	87	105	119
BaA	Beadle loam, 0 to 2 percent slopes	Beadle	85	43	61	75	86
BeE	Betts and Ethan loams, 21 to 40 percent slopes	Betts	50	56	78	95	108
BeE	Betts and Ethan loams, 21 to 40 percent slopes	Ethan	40	48	68	82	94
BhD	Betts-Ethan loams, 6 to 21 percent slopes	Betts	40	56	78	95	108
BhD	Betts-Ethan loams, 6 to 21 percent slopes	Ethan	30	48	68	82	94
BlE	Betts-Gavins complex, 15 to 40 percent slopes	Betts	40	56	78	95	108
BlE	Betts-Gavins complex, 15 to 40 percent slopes	Gavins	25	barrier	barrier	barrier	barrier
BmA	Blendon sandy loam, 0 to 3 percent slopes	Blendon	80	167	221	260	290
BnA	Blendon-Firesteel complex, 0 to 3 percent slopes	Blendon	55	167	221	260	290
BnA	Blendon-Firesteel complex, 0 to 3 percent slopes	Firesteel	35	58	barrier	barrier	barrier
BoA	Bon loam, 0 to 2 percent slopes	Bon	85	95	128	152	171
Ca	Clamo silty clay loam	Clamo	85	83	113	135	152
Cc	Clamo silty clay loam, frequently flooded	Clamo	70	77	105	126	142
CeB	Clarno-Ethan loams, 3 to 6 percent slopes	Clarno	60	61	85	103	117
CeB	Clarno-Ethan loams, 3 to 6 percent slopes	Ethan	25	48	68	82	94
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	61	85	103	117
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	48	68	82	94
ChA	Clarno-Houdek loams, 0 to 3 percent slopes	Clarno	45	61	85	103	117
ChA	Clarno-Houdek loams, 0 to 3 percent slopes	Houdek	35	57	80	96	110
ChB	Clarno-Houdek loams, 3 to 6 percent slopes	Clarno	50	61	85	103	117
ChB	Clarno-Houdek loams, 3 to 6 percent slopes	Houdek	35	57	80	96	110
DhA	Davison-Hand loams, 0 to 2 percent slopes	Davison	50	117	157	186	209
DhA	Davison-Hand loams, 0 to 2 percent slopes	Hand	30	86	117	139	157
DmB	Delmont loam, 3 to 6 percent slopes	Delmont	90	502	647	750	828
EnA	Enet loam, 0 to 3 percent slopes	Enet	80	527	679	787	869
EoA	Enet-Delmont loams, 0 to 3 percent slopes	Enet	60	527	679	787	869
EoA	Enet-Delmont loams, 0 to 3 percent slopes	Delmont	33	502	647	750	828
EoB	Enet-Delmont loams, 3 to 6 percent slopes	Enet	55	527	679	787	869
EoB	Enet-Delmont loams, 3 to 6 percent slopes	Delmont	30	502	647	750	828
EsA	Dimo-Storla loams, 0 to 2 percent slopes	Dimo	70	264	344	401	445
EsA	Dimo-Storla loams, 0 to 2 percent slopes	Storla	25	324	421	490	542
EtC2	Ethan-Betts loams, 5 to 9 percent slopes, eroded	Ethan	40	48	68	82	94
EtC2	Ethan-Betts loams, 5 to 9 percent slopes, eroded	Betts	25	56	78	95	108
FeA	Fedora sandy loam, 0 to 3 percent slopes	Fedora	75	279	363	423	469
FsA	Firesteel silt loam, 0 to 2 percent slopes	Firesteel	90	58	barrier	barrier	barrier
HaB	Hand loam, 3 to 6 percent slopes	Hand	85	86	117	139	157
HdA	Hand-Davison loams, 0 to 3 percent slopes	Hand	70	86	117	139	157
HdA	Hand-Davison loams, 0 to 3 percent slopes	Davison	20	77	105	126	143
HkA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	60	57	80	96	110
HkA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	63	87	105	119
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Houdek	40	57	80	96	110
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Prosper	25	63	87	105	119
HpA	Houdek, Prosper, and Stickney loams, 0 to 1 percent slopes	Stickney	20	53	73	89	102
HsA	Houdek-Stickney loams, 0 to 2 percent slopes	Houdek	50	57	80	96	110
HsA	Houdek-Stickney loams, 0 to 2 percent slopes	Stickney	35	53	73	89	102
La	Lamo silt loam	Lamo	90	67	92	111	126
LpA	Lamo and Prosper soils, 0 to 3 percent slopes	Lamo	45	67	92	111	126
LpA	Lamo and Prosper soils, 0 to 3 percent slopes	Prosper	40	63	87	105	119
PrA	Prosper silt loam, 0 to 3 percent slopes	Prosper	80	74	101	121	137
PrB	Prosper silt loam, 3 to 6 percent slopes	Prosper	85	77	105	125	142
ReA	Redstoe loam, 0 to 3 percent slopes	Redstoe	85	66	barrier	barrier	barrier
ReC	Redstoe loam, 3 to 9 percent slopes	Redstoe	85	66	barrier	barrier	barrier
ReD	Redstoe loam, 9 to 21 percent slopes	Redstoe	80	66	barrier	barrier	barrier
Sa	Salmo silt loam	Salmo	80	81	111	132	149
SdA	Stickney-Dudley complex, 0 to 2 percent slopes	Stickney	65	53	73	89	102
SdA	Stickney-Dudley complex, 0 to 2 percent slopes	Dudley	20	72	99	119	135
SoA	Storla loam, 0 to 2 percent slopes	Storla	75	324	421	490	542
StA	Arlo-Durrstein complex, 0 to 2 percent slopes	Arlo	60	278	362	422	468

South Dakota Lateral Effect Tables for Davison County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
StA	Arlo-Durrstein complex, 0 to 2 percent slopes	Durrstein	25	54	76	92	105
TeA	Tetonka silt loam, 0 to 2 percent slopes	Tetonka	90	96	129	154	173
TsA	Tetonka-Stickney complex, 0 to 3 percent slopes	Tetonka	45	96	129	154	173
TsA	Tetonka-Stickney complex, 0 to 3 percent slopes	Stickney	40	53	73	89	102
Wo	Worthing silty clay loam	Worthing	85	55	76	93	105
Wp	Worthing silty clay loam, ponded	Worthing	85	58	80	97	110

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam	Aastad	85	50	66	77	85
An	Aberdeen-Nahon silty clay loams	Aberdeen	50	111	143	166	183
An	Aberdeen-Nahon silty clay loams	Nahon	35	126	163	188	208
ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	271	346	400	440
Ba	Bearden silt loam	Bearden	90	85	110	128	141
BaB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Bearden	50	85	110	128	141
BaB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Huffton	40	171	219	253	279
BbA	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	133	171	198	219
Bc	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	133	171	198	219
Bc	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	35	138	178	206	227
BnD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	47	62	73	81
BnD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	69	90	104	116
BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	47	62	73	81
BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	69	90	104	116
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Buse	40	47	62	73	81
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Barnes	35	69	90	104	116
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Parnell	20	102	131	152	168
BrE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	47	62	73	81
BrE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	40	44	58	68	75
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	47	62	73	81
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	80	104	121	134
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	69	90	104	116
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	47	62	73	81
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	460	587	676	744
Ca	Cavour-Ferney loams	Cavour	50	66	86	101	112
Ca	Cavour-Ferney loams	Ferney	35	59	77	90	100
Cn	Colvin silty clay loam	Colvin	80	90	116	135	149
Cr	Cresbard-Cavour loams	Cresbard	50	79	103	120	132
Cr	Cresbard-Cavour loams	Cavour	40	66	86	101	112
Cu	Cubden silty clay loam	Cubden	85	90	116	135	149
Cw	Cubden-Badger silty clay loams	Cubden	55	90	116	135	149
Cw	Cubden-Badger silty clay loams	Badger	35	78	101	117	130
Cx	Cubden-Tonka complex	Cubden	45	90	116	135	149
Cx	Cubden-Tonka complex	Tonka	35	81	105	122	135
Dd	Divide loam	Divide	80	502	640	738	812
Do	Dovray silty clay	Dovray	85	87	113	131	145
EaA	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	90	98	127	147	162
EbB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	55	98	127	147	162
EbB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	35	100	129	150	165
EcB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Eckman	65	98	127	147	162
EcB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Zell	25	122	157	182	201
EdC	Edgeley loam, 4 to 9 percent slopes	Edgeley	85	35	barrier	barrier	barrier
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	177	226	262	288
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	100	129	150	165
En	Exline-Aberdeen-Nahon silt loams	Exline	40	85	110	128	142
En	Exline-Aberdeen-Nahon silt loams	Aberdeen	25	111	143	166	183
En	Exline-Aberdeen-Nahon silt loams	Nahon	20	126	163	188	208
Ep	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	85	110	128	142
Ep	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	40	144	184	214	235
Fd	Fordville loam, 0 to 2 percent slopes	Fordville	85	472	602	694	763
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	50	78	101	117	130
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	50	66	77	85
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	55	78	101	117	130
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	35	50	66	77	85

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Forman	40	78	101	117	130
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Aastad	30	50	66	77	85
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Parnell	20	102	131	152	168
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	40	78	101	117	130
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	30	47	62	73	81
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	20	50	66	77	85
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	78	101	117	130
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	30	47	62	73	81
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	50	66	77	85
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Forman	45	78	101	117	130
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Buse	30	47	62	73	81
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Parnell	20	102	131	152	168
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Forman	45	78	101	117	130
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Buse	30	47	62	73	81
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Parnell	20	102	131	152	168
Gb	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	147	188	218	241
Gp	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	147	188	218	241
Gp	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	35	170	217	252	277
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	35	147	188	218	241
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	30	187	240	278	306
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	171	219	253	279
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	80	68	89	104	115
HaB	Hamerly loam, 2 to 6 percent slopes	Hamerly	80	68	89	104	115
Hb	Hamerly-Parnell complex	Hamerly	50	68	89	104	115
Hb	Hamerly-Parnell complex	Parnell	40	102	131	152	168
Hd	Harmony-Aberdeen silty clay loams	Harmony	50	106	136	158	174
Hd	Harmony-Aberdeen silty clay loams	Aberdeen	35	111	143	166	183
Hm	Harmony-Beotia silt loams	Harmony	55	106	136	158	174
Hm	Harmony-Beotia silt loams	Beotia	35	133	171	198	219
Hr	Harriet loam	Harriet	85	71	92	108	119
HtA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	100	129	149	165
HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Hetland	50	85	110	128	141
HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Rusklyn	40	94	121	141	155
KbE	Kloten-Buse complex, 9 to 40 percent slopes	Kloten	50	barrier	barrier	barrier	barrier
KbE	Kloten-Buse complex, 9 to 40 percent slopes	Buse	35	47	62	73	81
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Kranzburg	55	84	109	127	140
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Cresbard	30	99	127	148	163
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	40	85	110	128	141
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	30	89	116	134	148
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	20	47	62	73	81
Ks	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	60	85	110	128	141
Ks	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	25	89	116	134	148
KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Kranzburg	50	85	110	128	141
KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Forman	40	78	101	117	130
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	86	111	129	142
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	48	62	73	81
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	79	102	119	131
La	La Prairie loam	La Prairie	90	80	104	121	134
Lh	La Prairie-Holmquist loams, channeled	La Prairie	50	80	104	121	134
Lh	La Prairie-Holmquist loams, channeled	Holmquist	40	76	98	115	127
Lm	Lamoure silty clay loam	Lamoure	85	135	174	201	222
Lo	Lowe loam	Lowe	85	91	118	137	151
Lu	Ludden silty clay	Ludden	80	66	86	100	110
Lw	Ludden silty clay, ponded	Ludden	90	66	86	100	110
Lx	Ludden-Ludden, saline silty clays	Ludden	50	66	86	100	110
Lx	Ludden-Ludden, saline silty clays	Ludden	40	66	86	100	110
MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Maddock	50	237	304	351	386
MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Egeland	40	177	226	262	288
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	50	237	304	351	386
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	40	177	226	262	288

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Maddock	55	237	304	351	386
MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Egeland	35	177	226	262	288
Md	Marysland-Divide loams	Marysland	50	371	473	546	600
Md	Marysland-Divide loams	Divide	40	502	640	738	812
MfB	Mauvais clay loam, 2 to 6 percent slopes	Mauvais	85	64	83	97	107
MgB	Mauvais clay loam, 2 to 6 percent slopes, stony	Mauvais	80	64	83	97	107
MnA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	80	109	140	163	179
MoB	Minnewasta sandy loam, 2 to 6 percent slopes, stony	Minnewasta	80	109	140	163	179
Mw	Minnewaukan loamy sand	Minnewaukan	90	137	176	204	225
Na	Nahon-Aberdeen-Exline silt loams	Nahon	45	126	163	188	208
Na	Nahon-Aberdeen-Exline silt loams	Aberdeen	25	111	143	166	183
Na	Nahon-Aberdeen-Exline silt loams	Exline	20	85	110	128	142
NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Nutley	60	65	85	99	110
NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Sinai	30	68	88	102	113
Oh	Oldham silty clay loam	Oldham	90	78	102	118	131
Pa	Parnell silty clay loam	Parnell	85	102	131	152	168
Pc	Playmoor silty clay loam	Playmoor	90	109	141	164	181
Pm	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	109	141	164	181
Pm	Playmoor-Lamoure silty clay loams, channeled	Lamoure	40	135	174	201	222
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	93	120	139	153
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	48	62	73	81
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	79	102	119	131
PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	50	85	110	128	141
PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	35	94	121	141	155
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	85	110	128	141
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	94	121	141	155
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	15	76	98	114	126
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	50	85	110	128	141
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	40	76	98	114	126
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	85	110	128	141
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	76	98	114	126
Ra	Ranslo-Harriet loams	Ranslo	50	98	126	147	162
Ra	Ranslo-Harriet loams	Harriet	40	71	92	108	119
Rb	Rauville silty clay loam	Rauville	90	327	417	481	530
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	50	624	795	917	1007
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	472	602	694	763
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	65	624	795	917	1007
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	25	472	602	694	763
RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Renshaw	60	624	795	917	1007
RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Sioux	30	460	587	676	744
RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Renshaw	55	624	795	917	1007
RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Sioux	35	460	587	676	744
Ru	Ryan-Ludden complex	Ryan	55	76	98	114	126
Ru	Ryan-Ludden complex	Ludden	30	66	86	100	110
SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Sinai	60	68	88	102	113
SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Nutley	30	65	85	99	110
SbB	Sioux gravelly loamy sand, 2 to 6 percent slopes	Sioux	90	460	587	676	744
SoB	Sioux gravelly loamy sand, 2 to 6 percent slopes, very stony	Sioux	90	460	587	676	744
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	460	587	676	744
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	624	795	917	1007
SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	460	587	676	744
SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	624	795	917	1007
SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Sioux	60	460	587	676	744
SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Renshaw	30	624	795	917	1007
Sw	Southam silty clay loam	Southam	90	78	101	118	130
To	Tonka silt loam	Tonka	85	81	105	122	135
Va	Vallers loam, saline	Vallers	90	60	78	91	100

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Vh	Vallers-Hamerly loams	Vallers	60	58	76	89	98
Vh	Vallers-Hamerly loams	Hamerly	30	68	89	104	115
VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	80	104	121	134
VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	89	116	134	148
VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	80	104	121	134
VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	25	89	116	134	148

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam	Aastad	85	39	56	69	79
An	Aberdeen-Nahon silty clay loams	Aberdeen	50	97	131	157	176
An	Aberdeen-Nahon silty clay loams	Nahon	35	113	151	179	201
ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	256	334	390	433
Ba	Bearden silt loam	Bearden	90	72	99	119	134
BaB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Bearden	50	72	99	119	134
BaB	Bearden-Huffton silt loams, 1 to 6 percent slopes	Huffton	40	156	207	244	272
BbA	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	119	160	189	212
Bc	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	119	160	189	212
Bc	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	35	124	166	196	220
BnD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	37	52	65	74
BnD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	57	79	96	109
BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	37	52	65	74
BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	57	79	96	109
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Buse	40	37	52	65	74
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Barnes	35	57	79	96	109
BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Parnell	20	89	120	143	161
BrE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	37	52	65	74
BrE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	40	33	48	60	69
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	37	52	65	74
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	68	93	112	127
BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	57	79	96	109
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	37	52	65	74
BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	445	574	667	736
Ca	Cavour-Ferney loams	Cavour	50	54	76	92	105
Ca	Cavour-Ferney loams	Ferney	35	48	67	82	93
Cn	Colvin silty clay loam	Colvin	80	77	105	126	142
Cr	Cresbard-Cavour loams	Cresbard	50	67	92	111	125
Cr	Cresbard-Cavour loams	Cavour	40	54	76	92	105
Cu	Cubden silty clay loam	Cubden	85	77	105	126	142
Cw	Cubden-Badger silty clay loams	Cubden	55	77	105	126	142
Cw	Cubden-Badger silty clay loams	Badger	35	65	90	109	123
Cx	Cubden-Tonka complex	Cubden	45	77	105	126	142
Cx	Cubden-Tonka complex	Tonka	35	68	94	113	128
Dd	Divide loam	Divide	80	487	628	728	804
Do	Dovray silty clay	Dovray	85	74	102	122	138
EaA	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	90	85	115	138	155
EbB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	55	85	115	138	155
EbB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	35	87	118	141	158
EcB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Eckman	65	85	115	138	155
EcB	Eckman-Zell very fine sandy loams, 1 to 6 percent slopes	Zell	25	108	145	173	194
EdC	Edgeley loam, 4 to 9 percent slopes	Edgeley	85	35	barrier	barrier	barrier
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	162	214	252	281
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	87	118	141	158
En	Exline-Aberdeen-Nahon silt loams	Exline	40	72	99	119	135
En	Exline-Aberdeen-Nahon silt loams	Aberdeen	25	97	131	157	176
En	Exline-Aberdeen-Nahon silt loams	Nahon	20	113	151	179	201
Ep	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	72	99	119	135
Ep	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	40	130	173	204	228
Fd	Fordville loam, 0 to 2 percent slopes	Fordville	85	457	589	684	756
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	50	65	90	109	123
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	39	56	69	79
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	55	65	90	109	123
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	35	39	56	69	79

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Forman	40	65	90	109	123
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Aastad	30	39	56	69	79
FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Parnell	20	89	120	143	161
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	40	65	90	109	123
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	30	37	52	65	74
FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	20	39	56	69	79
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	65	90	109	123
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	30	37	52	65	74
FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	39	56	69	79
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Forman	45	65	90	109	123
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Buse	30	37	52	65	74
FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Parnell	20	89	120	143	161
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Forman	45	65	90	109	123
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Buse	30	37	52	65	74
FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Parnell	20	89	120	143	161
Gb	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	133	177	209	233
Gp	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	133	177	209	233
Gp	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	35	155	206	242	270
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	35	133	177	209	233
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	30	173	228	268	299
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	156	207	244	272
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	80	56	78	95	108
HaB	Hamerly loam, 2 to 6 percent slopes	Hamerly	80	56	78	95	108
Hb	Hamerly-Parnell complex	Hamerly	50	56	78	95	108
Hb	Hamerly-Parnell complex	Parnell	40	89	120	143	161
Hd	Harmony-Aberdeen silty clay loams	Harmony	50	92	125	149	167
Hd	Harmony-Aberdeen silty clay loams	Aberdeen	35	97	131	157	176
Hm	Harmony-Beotia silt loams	Harmony	55	92	125	149	167
Hm	Harmony-Beotia silt loams	Beotia	35	119	160	189	212
Hr	Harriet loam	Harriet	85	59	82	99	112
HtA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	86	117	140	158
HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Hetland	50	72	99	119	134
HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Rusklyn	40	81	110	132	149
KbE	Kloten-Buse complex, 9 to 40 percent slopes	Kloten	50	barrier	barrier	barrier	barrier
KbE	Kloten-Buse complex, 9 to 40 percent slopes	Buse	35	37	52	65	74
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Kranzburg	55	71	98	118	133
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Cresbard	30	85	116	139	156
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	40	72	99	119	134
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	30	77	105	125	142
KrB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	20	37	52	65	74
Ks	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	60	72	99	119	134
Ks	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	25	77	105	125	142
KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Kranzburg	50	72	99	119	134
KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Forman	40	65	90	109	123
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	73	100	120	136
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	37	53	65	75
KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	66	91	110	125
La	La Prairie loam	La Prairie	90	68	93	112	127
Lh	La Prairie-Holmquist loams, channeled	La Prairie	50	68	93	112	127
Lh	La Prairie-Holmquist loams, channeled	Holmquist	40	63	88	106	120
Lm	Lamoure silty clay loam	Lamoure	85	121	162	192	215
Lo	Lowe loam	Lowe	85	78	106	128	144
Lu	Ludden silty clay	Ludden	80	54	75	91	104
Lw	Ludden silty clay, ponded	Ludden	90	54	75	91	104
Lx	Ludden-Ludden, saline silty clays	Ludden	50	54	75	91	104
Lx	Ludden-Ludden, saline silty clays	Ludden	40	54	75	91	104
MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Maddock	50	223	292	341	379
MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Egeland	40	162	214	252	281
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	50	223	292	341	379
MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	40	162	214	252	281

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Maddock	55	223	292	341	379
MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Egeland	35	162	214	252	281
Md	Marysland-Divide loams	Marysland	50	356	461	536	593
Md	Marysland-Divide loams	Divide	40	487	628	728	804
MfB	Mauvais clay loam, 2 to 6 percent slopes	Mauvais	85	52	72	88	100
MgB	Mauvais clay loam, 2 to 6 percent slopes, stony	Mauvais	80	52	72	88	100
MnA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	80	95	129	153	173
MoB	Minnewasta sandy loam, 2 to 6 percent slopes, stony	Minnewasta	80	95	129	153	173
Mw	Minnewaukan loamy sand	Minnewaukan	90	123	164	195	218
Na	Nahon-Aberdeen-Exline silt loams	Nahon	45	113	151	179	201
Na	Nahon-Aberdeen-Exline silt loams	Aberdeen	25	97	131	157	176
Na	Nahon-Aberdeen-Exline silt loams	Exline	20	72	99	119	135
NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Nutley	60	53	74	90	103
NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Sinai	30	55	77	94	107
Oh	Oldham silty clay loam	Oldham	90	66	91	109	124
Pa	Parnell silty clay loam	Parnell	85	89	120	143	161
Pc	Playmoor silty clay loam	Playmoor	90	96	130	154	174
Pm	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	96	130	154	174
Pm	Playmoor-Lamoure silty clay loams, channeled	Lamoure	40	121	162	192	215
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	80	108	130	147
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	37	53	65	75
PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	66	91	110	125
PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	50	72	99	119	134
PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	35	81	110	132	149
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	72	99	119	134
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	81	110	132	149
PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	15	63	87	105	119
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	50	72	99	119	134
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	40	63	87	105	119
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	72	99	119	134
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	63	87	105	119
Ra	Ranslo-Harriet loams	Ranslo	50	85	115	138	155
Ra	Ranslo-Harriet loams	Harriet	40	59	82	99	112
Rb	Rauville silty clay loam	Rauville	90	312	405	472	522
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	50	609	783	907	1000
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	457	589	684	756
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	65	609	783	907	1000
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	25	457	589	684	756
RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Renshaw	60	609	783	907	1000
RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Sioux	30	445	574	667	736
RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Renshaw	55	609	783	907	1000
RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Sioux	35	445	574	667	736
Ru	Ryan-Ludden complex	Ryan	55	63	87	105	120
Ru	Ryan-Ludden complex	Ludden	30	54	75	91	104
SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Sinai	60	55	77	94	107
SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Nutley	30	53	74	90	103
SbB	Sioux gravelly loamy sand, 2 to 6 percent slopes	Sioux	90	445	574	667	736
SoB	Sioux gravelly loamy sand, 2 to 6 percent slopes, very stony	Sioux	90	445	574	667	736
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	445	574	667	736
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	609	783	907	1000
SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	445	574	667	736
SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	609	783	907	1000
SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Sioux	60	445	574	667	736
SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Renshaw	30	609	783	907	1000
Sw	Southam silty clay loam	Southam	90	66	91	109	124
To	Tonka silt loam	Tonka	85	68	94	113	128
Va	Vallers loam, saline	Vallers	90	48	67	82	94

South Dakota Lateral Effect Tables for Day County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Vh	Vallers-Hamerly loams	Vallers	60	47	66	80	92
Vh	Vallers-Hamerly loams	Hamerly	30	56	78	95	108
VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	68	93	112	127
VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	77	105	125	142
VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	68	93	112	127
VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	25	77	105	125	142

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	95	271	346	399	439
ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	95	271	346	399	439
ArC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	95	271	346	399	439
AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Arvilla	55	271	346	399	439
AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Sioux	35	391	499	575	633
BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	90	67	87	101	112
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	67	87	101	112
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	50	66	77	85
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	60	67	87	101	112
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	25	50	66	77	85
BcE	Barnes-Buse loams, 15 to 25 percent slopes	Barnes	50	67	87	101	112
BcE	Barnes-Buse loams, 15 to 25 percent slopes	Buse	35	50	66	77	85
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Barnes	35	67	87	101	112
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Buse	25	50	66	77	85
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Southam	25	84	109	127	140
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	69	90	105	116
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	61	80	93	103
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	79	102	119	131
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	67	87	101	112
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	25	50	66	77	85
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	25	92	118	137	152
BkA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	70	67	87	101	112
BkA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	20	92	118	137	152
BkB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	67	87	101	112
BkB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	92	118	137	152
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Barnes	40	67	87	101	112
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Svea	25	92	118	137	152
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Buse	20	50	66	77	85
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Barnes	50	67	87	101	112
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Svea	25	92	118	137	152
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Buse	20	50	66	77	85
Bp	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	95	224	287	332	365
Br	Brookings silty clay loam	Brookings	95	81	105	122	135
BtE	Buse loam, 20 to 40 percent slopes	Buse	90	50	66	77	85
BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	55	50	66	77	85
BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	67	87	101	112
BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	50	66	77	85
BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	110	141	164	181
Ca	Castlewood silty clay	Castlewood	95	84	109	126	140
Cu	Cubden silty clay loam	Cubden	95	76	99	115	127
DcA	Darnen loam, 0 to 2 percent slopes	Darnen	90	68	89	104	115
DcB	Darnen loam, 2 to 6 percent slopes	Darnen	95	68	89	104	115
Dv	Divide loam	Divide	90	499	636	734	807
EcB	Eckman loam, 2 to 6 percent slopes	Eckman	90	126	162	187	206
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	60	162	207	240	264
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	30	146	187	217	239
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	162	207	240	264
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	146	187	217	239
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	95	495	631	727	799
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	95	495	631	727	799
FeA	Fordville loam, 0 to 2 percent slopes	Fordville	95	173	222	257	283
FeB	Fordville loam, 2 to 6 percent slopes	Fordville	95	173	222	257	283
FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	173	222	257	283
FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	35	243	310	358	395
FmA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	77	99	116	128
FmA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	53	69	81	90
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	77	99	116	128
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	53	69	81	90
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	77	99	116	128
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	25	53	69	81	90

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	25	50	66	77	85
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Forman	40	77	99	116	128
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Aastad	25	53	69	81	90
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Buse	25	50	66	77	85
Fx	Fossum sandy loam	Fossum	95	338	432	498	548
Fy	Fulda silty clay loam	Fulda	95	92	119	138	153
Hm	Hamerly-Badger complex	Hamerly	65	66	86	100	111
Hm	Hamerly-Badger complex	Badger	30	88	114	132	146
Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	69	89	104	115
Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	82	107	124	137
HtA	Hegne-Fulda silty clay loams	Hegne	60	66	86	100	110
HtA	Hegne-Fulda silty clay loams	Fulda	30	92	119	138	153
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	70	81	105	123	136
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	20	81	105	122	135
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	50	81	105	123	136
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	40	81	105	122	135
KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Kranzburg	60	81	105	123	136
KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Brookings	30	81	105	122	135
La	La Prairie loam	La Prairie	95	105	136	158	174
Ld	LaDelle silt loam	LaDelle	90	111	143	166	183
Lm	Lamoure silty clay loam	Lamoure	95	110	141	164	181
Lp	Lamoure-La Prairie complex, channeled	Lamoure	60	140	180	208	230
Lp	Lamoure-La Prairie complex, channeled	La Prairie	25	105	136	158	174
Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	110	141	164	181
Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	357	456	526	578
Lw	Lowe loam	Lowe	90	90	117	136	150
MdE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	90	152	195	226	249
Mg	Marysland loam	Marysland	95	522	665	767	843
Mk	McIntosh-Badger silty clay loams	McIntosh	65	74	96	112	124
Mk	McIntosh-Badger silty clay loams	Badger	25	88	114	132	146
Mn	McIntosh-Lamoure silty clay loams	McIntosh	65	74	96	112	124
Mn	McIntosh-Lamoure silty clay loams	Lamoure	25	110	141	164	181
Mr	Moritz-Lamoure complex	Moritz	65	101	130	151	167
Mr	Moritz-Lamoure complex	Lamoure	25	140	180	208	230
NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Nutley	55	54	71	83	92
NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Sinai	35	68	89	104	115
Od	Oldham silty clay loam	Oldham	95	82	106	123	136
Pa	Parnell silty clay loam	Parnell	95	96	124	144	159
Pc	Parnell-Vallers complex	Parnell	55	96	124	144	159
Pc	Parnell-Vallers complex	Vallers	40	67	87	102	113
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	95	58	75	88	97
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	95	58	75	88	97
Pg	Peever-Cavour clay loams	Peever	65	58	75	88	97
Pg	Peever-Cavour clay loams	Cavour	25	60	79	92	102
Pm	Playmoor silty clay loam	Playmoor	90	111	143	166	183
PoC	Poinsett silty clay loam, 6 to 9 percent slopes	Poinsett	95	80	104	120	133
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	70	80	104	120	133
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	20	76	98	115	127
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	80	104	120	133
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	76	98	115	127
Rc	Rauville silty clay loam	Rauville	95	357	456	526	578
ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	95	243	310	358	395
ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	95	243	310	358	395
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	243	310	358	395
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	391	499	575	633
RtA	Rentill loam	Rentill	90	129	167	193	213
SbA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	68	89	104	115

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
SbB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	68	89	104	115
ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	83	108	125	138
ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	76	98	115	127
ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	83	108	125	138
ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	76	98	115	127
SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Sioux	65	391	499	575	633
SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Arvilla	30	271	346	399	439
SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	391	499	575	633
SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	243	310	358	395
So	Southam silty clay loam	Southam	95	84	109	127	140
SwA	Swenoda sandy loam, 0 to 2 percent slopes	Swenoda	95	78	101	117	129
SwB	Swenoda sandy loam, 2 to 6 percent slopes	Swenoda	95	78	101	117	129
Vc	Vallers loam	Vallers	95	67	87	102	113
VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	80	104	120	133
VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	81	105	122	135
VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	60	80	104	120	133
VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	30	81	105	122	135
VwC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	60	80	104	120	133
VwC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	50	66	77	85
VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	78	101	118	130
VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	75	98	114	126
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Vienna	40	78	101	118	130
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Barnes	30	69	90	105	116
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Forestville	15	75	98	114	126
ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Zell	60	162	208	240	265
ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Eckman	30	126	162	187	206

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	95	256	334	390	432
ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	95	256	334	390	432
ArC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	95	256	334	390	432
AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Arvilla	55	256	334	390	432
AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Sioux	35	376	486	566	625
BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	90	55	76	92	105
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	55	76	92	105
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	39	56	69	79
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	60	55	76	92	105
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	25	39	56	69	79
BcE	Barnes-Buse loams, 15 to 25 percent slopes	Barnes	50	55	76	92	105
BcE	Barnes-Buse loams, 15 to 25 percent slopes	Buse	35	39	56	69	79
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Barnes	35	55	76	92	105
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Buse	25	39	56	69	79
BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Southam	25	71	98	118	133
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	57	79	96	109
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	50	69	85	97
BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	66	91	110	125
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	55	76	92	105
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	25	39	56	69	79
BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	25	79	107	128	145
BkA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	70	55	76	92	105
BkA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	20	79	107	128	145
BkB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	55	76	92	105
BkB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	79	107	128	145
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Barnes	40	55	76	92	105
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Svea	25	79	107	128	145
BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Buse	20	39	56	69	79
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Barnes	50	55	76	92	105
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Svea	25	79	107	128	145
BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Buse	20	39	56	69	79
Bp	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	95	210	275	322	358
Br	Brookings silty clay loam	Brookings	95	69	94	114	129
BtE	Buse loam, 20 to 40 percent slopes	Buse	90	39	56	69	79
BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	55	39	56	69	79
BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	55	76	92	105
BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	39	56	69	79
BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	96	130	155	174
Ca	Castlewood silty clay	Castlewood	95	71	98	117	133
Cu	Cubden silty clay loam	Cubden	95	64	88	106	120
DcA	Darnen loam, 0 to 2 percent slopes	Darnen	90	56	78	95	108
DcB	Darnen loam, 2 to 6 percent slopes	Darnen	95	56	78	95	108
Dv	Divide loam	Divide	90	484	624	724	799
EcB	Eckman loam, 2 to 6 percent slopes	Eckman	90	112	150	178	199
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	60	147	196	231	257
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	30	132	175	207	232
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	147	196	231	257
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	132	175	207	232
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	95	479	618	717	792
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	95	479	618	717	792
FeA	Fordville loam, 0 to 2 percent slopes	Fordville	95	159	210	247	276
FeB	Fordville loam, 2 to 6 percent slopes	Fordville	95	159	210	247	276
FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	159	210	247	276
FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	35	228	298	349	387
FmA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	64	88	107	121
FmA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	42	59	73	84
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	64	88	107	121

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	42	59	73	84
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	64	88	107	121
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	25	42	59	73	84
FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	25	39	56	69	79
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Forman	40	64	88	107	121
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Aastad	25	42	59	73	84
FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Buse	25	39	56	69	79
Fx	Fossum sandy loam	Fossum	95	323	420	489	541
Fy	Fulda silty clay loam	Fulda	95	79	108	129	146
Hm	Hamerly-Badger complex	Hamerly	65	54	76	92	104
Hm	Hamerly-Badger complex	Badger	30	75	103	123	139
Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	57	79	95	108
Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	70	96	115	130
HtA	Hegne-Fulda silty clay loams	Hegne	60	54	75	91	104
HtA	Hegne-Fulda silty clay loams	Fulda	30	79	108	129	146
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	70	69	94	114	129
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	20	69	94	114	129
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	50	69	94	114	129
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	40	69	94	114	129
KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Kranzburg	60	69	94	114	129
KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Brookings	30	69	94	114	129
La	La Prairie loam	La Prairie	95	92	124	148	167
Ld	LaDelle silt loam	LaDelle	90	97	131	156	176
Lm	Lamoure silty clay loam	Lamoure	95	96	130	155	174
Lp	Lamoure-La Prairie complex, channeled	Lamoure	60	126	168	199	223
Lp	Lamoure-La Prairie complex, channeled	La Prairie	25	92	124	148	167
Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	96	130	155	174
Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	342	443	516	571
Lw	Lowe loam	Lowe	90	77	106	127	143
MdE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	90	138	183	217	242
Mg	Marysland loam	Marysland	95	507	653	757	836
Mk	McIntosh-Badger silty clay loams	McIntosh	65	62	85	103	117
Mk	McIntosh-Badger silty clay loams	Badger	25	75	103	123	139
Mn	McIntosh-Lamoure silty clay loams	McIntosh	65	62	85	103	117
Mn	McIntosh-Lamoure silty clay loams	Lamoure	25	96	130	155	174
Mr	Moritz-Lamoure complex	Moritz	65	88	119	142	160
Mr	Moritz-Lamoure complex	Lamoure	25	126	168	199	223
NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Nutley	55	43	61	75	86
NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Sinai	35	56	78	95	108
Od	Oldham silty clay loam	Oldham	95	69	95	114	129
Pa	Parnell silty clay loam	Parnell	95	83	113	135	152
Pc	Parnell-Vallers complex	Parnell	55	83	113	135	152
Pc	Parnell-Vallers complex	Vallers	40	55	77	93	106
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	95	46	65	79	91
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	95	46	65	79	91
Pg	Peever-Cavour clay loams	Peever	65	46	65	79	91
Pg	Peever-Cavour clay loams	Cavour	25	49	68	83	95
Pm	Playmoor silty clay loam	Playmoor	90	98	132	157	176
PoC	Poinsett silty clay loam, 6 to 9 percent slopes	Poinsett	95	67	93	112	126
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	70	67	93	112	126
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	20	63	88	106	120
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	67	93	112	126
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	63	88	106	120
Rc	Rauville silty clay loam	Rauville	95	342	443	516	571
ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	95	228	298	349	387
ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	95	228	298	349	387
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	228	298	349	387

South Dakota Lateral Effect Tables for Deuel County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	376	486	566	625
RtA	Rentill loam	Rentill	90	116	155	184	206
SbA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	56	78	95	108
SbB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	56	78	95	108
ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	70	97	116	131
ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	63	88	106	120
ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	70	97	116	131
ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	63	88	106	120
SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Sioux	65	376	486	566	625
SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Arvilla	30	256	334	390	432
SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	376	486	566	625
SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	228	298	349	387
So	Southam silty clay loam	Southam	95	71	98	118	133
SwA	Swenoda sandy loam, 0 to 2 percent slopes	Swenoda	95	65	90	108	123
SwB	Swenoda sandy loam, 2 to 6 percent slopes	Swenoda	95	65	90	108	123
Vc	Vallers loam	Vallers	95	55	77	93	106
VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	67	93	112	126
VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	69	94	114	129
VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	60	67	93	112	126
VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	30	69	94	114	129
VwC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	60	67	93	112	126
VwC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	39	56	69	79
VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	65	90	109	123
VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	63	87	105	119
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Vienna	40	65	90	109	123
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Barnes	30	57	79	96	109
VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Forestville	15	63	87	105	119
ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Zell	60	148	196	231	258
ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Eckman	30	112	150	178	199

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AbA	Rhoades silt loam, 0 to 2 percent slopes	Rhoades	85	80	104	121	134
AcA	Rhoades-Slickspots complex, 0 to 2 percent slopes	Rhoades	55	80	104	121	134
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	80	133	171	198	219
AgB	Agar silt loam, 2 to 6 percent slopes	Reliance	19	102	132	153	169
AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Capa	50	80	103	120	133
BdA	Belfield-Daglum silt loams, 0 to 2 percent slopes	Belfield	60	107	138	160	177
BdA	Belfield-Daglum silt loams, 0 to 2 percent slopes	Daglum	20	53	69	81	89
BrA	Belfield-Reeder loams, 0 to 2 percent slopes	Belfield	50	91	118	137	152
BrB	Belfield-Reeder loams, 2 to 6 percent slopes	Belfield	45	91	118	137	152
BrC	Belfield-Reeder loams, 6 to 9 percent slopes	Belfield	45	91	118	137	152
CdA	Canning loam, 0 to 2 percent slopes	Canning	90	509	649	748	823
CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Rockoutcrop	40	69	89	104	115
DaA	Daglum silt loam, 0 to 2 percent slopes	Daglum	70	53	69	81	89
EkA	Ekalaka fine sandy loam, 0 to 6 percent slopes	Ekalaka	80	129	166	192	212
EkC	Ekalaka fine sandy loam, 6 to 9 percent slopes	Ekalaka	85	129	166	192	212
FaA	Farland silt loam, 0 to 2 percent slopes	Farland	90	132	170	196	217
FaB	Farland silt loam, 2 to 6 percent slopes	Farland	85	132	170	196	217
Gb	Glenross fine sandy loam	Glenross	80	232	296	342	377
Gp	Pits, gravel	Orthents	99	568	724	834	917
Gr	Glenross-Regan fine sandy loams	Glenross	60	232	296	342	377
Gr	Glenross-Regan fine sandy loams	Regan	35	91	117	136	151
Hc	Heil soils	Heil	95	61	79	93	103
In	Intermittent lakes	Aquolls	95	89	115	134	148
Lo	Lohler silty clay	Lohler	90	82	106	123	136
Lp	Lohler and Havrelon soils	Havrelon	40	72	94	109	121
Lp	Lohler and Havrelon soils	Lohler	40	82	106	123	136
LwA	Lowry silt loam, 0 to 2 percent slopes	Lowry	95	177	227	263	290
LwB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	177	227	263	290
MdA	Morton-Belfield complex, 0 to 2 percent slopes	Belfield	35	91	118	137	152
MdB	Morton-Belfield complex, 2 to 6 percent slopes	Belfield	25	91	118	137	152
MfA	Morton-Farland silt loams, 0 to 2 percent slopes	Farland	30	132	170	196	217
Na	Lohler, channeled-Rhoades complex	Rhoades	40	81	104	121	134
Na	Lohler, channeled-Rhoades complex	Daglum	30	84	109	127	140
OpA	Opal-Promise clays, 1 to 4 percent slopes	Promise	40	92	119	139	153
Pa	Parshall fine sandy loam	Parshall	90	206	264	305	335
Pe	Parshall-Ekalaka fine sandy loams	Parshall	60	206	264	305	335
Pe	Parshall-Ekalaka fine sandy loams	Ekalaka	30	129	166	192	212
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	92	119	139	153
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	92	119	139	153
PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Promise	70	92	119	139	153
Pw	Promise-Wendte clays, channeled	Promise	65	92	119	139	153
Pw	Promise-Wendte clays, channeled	Wendte	25	89	115	133	147
RpA	Regent-Ridgeview silty clay loams, 0 to 2 percent slopes	Ridgeview	45	92	119	138	152
RpB	Regent-Ridgeview silty clay loams, 2 to 6 percent slopes	Ridgeview	45	92	119	138	152
RsA	Reliance silty clay loam, 0 to 2 percent slopes	Reliance	95	102	132	153	169
RsB	Reliance silty clay loam, 2 to 6 percent slopes	Reliance	95	102	132	153	169
RtB	Rhoades-Daglum complex, 2 to 6 percent slopes	Rhoades	45	80	104	121	134
RtB	Rhoades-Daglum complex, 2 to 6 percent slopes	Daglum	30	53	70	82	90
RvA	Ridgeview silty clay loam, 0 to 2 percent slopes	Ridgeview	85	92	119	138	152
ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Rockoutcrop	45	69	89	104	115
SdC	Schamber gravelly sandy loam, 3 to 15 percent slopes	Schamber	80	339	433	500	550
SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Schamber	50	339	433	500	550
Sh	Shale land	Rockoutcrop	75	69	89	104	115
Sm	Shambo loam	Shambo	90	141	182	210	232
Sw	Bullcreek clay	Bullcreek	90	72	93	108	120
Sy	Bullcreek-Slickspots complex	Bullcreek	55	72	93	108	120
Ta	Tally fine sandy loam	Tally	90	211	270	313	344
Th	Trembles-Havrelon complex	Trembles	55	136	175	203	224
Th	Trembles-Havrelon complex	Havrelon	35	72	94	109	121
Tr	Trembles and Banks soils	Banks	45	315	402	464	510
Tr	Trembles and Banks soils	Trembles	40	124	159	185	204

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
*NOTE:	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
AcA	Rhoades-Slickspots complex, 0 to 2 percent slopes	Slickspots	40	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Parchin	40	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Bullock	30	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Slickspots	25	barrier	barrier	barrier	barrier
AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Slickspots	40	barrier	barrier	barrier	barrier
BrA	Belfield-Reeder loams, 0 to 2 percent slopes	Reeder	30	barrier	barrier	barrier	barrier
BrB	Belfield-Reeder loams, 2 to 6 percent slopes	Reeder	40	barrier	barrier	barrier	barrier
BrC	Belfield-Reeder loams, 6 to 9 percent slopes	Reeder	40	barrier	barrier	barrier	barrier
CbE	Cabba-Lantry silt loams, 15 to 25 percent slopes	Cabba	50	barrier	barrier	barrier	barrier
CbE	Cabba-Lantry silt loams, 15 to 25 percent slopes	Lantry	35	barrier	barrier	barrier	barrier
CbF	Cabba-Lantry silt loams, 25 to 40 percent slopes	Cabba	65	barrier	barrier	barrier	barrier
CbF	Cabba-Lantry silt loams, 25 to 40 percent slopes	Lantry	20	barrier	barrier	barrier	barrier
ChB	Chantier clay, 2 to 9 percent slopes	Chantier	85	barrier	barrier	barrier	barrier
CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Chantier	50	barrier	barrier	barrier	barrier
DoB	Dupree-Opal clays, 2 to 9 percent slopes	Dupree	45	barrier	barrier	barrier	barrier
DoB	Dupree-Opal clays, 2 to 9 percent slopes	Opal	45	barrier	barrier	barrier	barrier
DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Dupree	60	barrier	barrier	barrier	barrier
DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
FbF	Flasher loamy fine sand, 25 to 40 percent slopes	Flasher	75	barrier	barrier	barrier	barrier
FvD	Flasher-Vebar complex, 6 to 15 percent slopes	Flasher	50	barrier	barrier	barrier	barrier
FvD	Flasher-Vebar complex, 6 to 15 percent slopes	Vebar	40	barrier	barrier	barrier	barrier
FvE	Flasher-Vebar complex, 15 to 25 percent slopes	Flasher	70	barrier	barrier	barrier	barrier
FvE	Flasher-Vebar complex, 15 to 25 percent slopes	Vebar	25	barrier	barrier	barrier	barrier
HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Hurley	65	barrier	barrier	barrier	barrier
HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Slickspots	20	barrier	barrier	barrier	barrier
LmD	Lantry-Morton silt loams, 6 to 15 percent slopes	Lantry	50	barrier	barrier	barrier	barrier
LmD	Lantry-Morton silt loams, 6 to 15 percent slopes	Morton	40	barrier	barrier	barrier	barrier
MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Moreau	45	barrier	barrier	barrier	barrier
MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Wayden	35	barrier	barrier	barrier	barrier
McB	Morton silt loam, 2 to 6 percent slopes	Morton	75	barrier	barrier	barrier	barrier
MdA	Morton-Belfield complex, 0 to 2 percent slopes	Morton	50	barrier	barrier	barrier	barrier
MdB	Morton-Belfield complex, 2 to 6 percent slopes	Morton	60	barrier	barrier	barrier	barrier
MfA	Morton-Farland silt loams, 0 to 2 percent slopes	Morton	65	barrier	barrier	barrier	barrier
MgB	Morton-Lantry silt loams, 2 to 9 percent slopes	Morton	55	barrier	barrier	barrier	barrier
MgB	Morton-Lantry silt loams, 2 to 9 percent slopes	Lantry	30	barrier	barrier	barrier	barrier
OaB	Opal clay, 2 to 9 percent slopes	Opal	80	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	25	barrier	barrier	barrier	barrier
OpA	Opal-Promise clays, 1 to 4 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Slickspots	25	barrier	barrier	barrier	barrier
RaA	Reeder loam, 0 to 2 percent slopes	Reeder	85	barrier	barrier	barrier	barrier
RaB	Reeder loam, 2 to 6 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaC	Reeder loam, 6 to 9 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RbC	Regent silty clay loam, 6 to 9 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RmB	Regent-Moreau complex, 2 to 9 percent slopes	Regent	55	barrier	barrier	barrier	barrier
RmB	Regent-Moreau complex, 2 to 9 percent slopes	Moreau	40	barrier	barrier	barrier	barrier
RpA	Regent-Ridgeview silty clay loams, 0 to 2 percent slopes	Regent	50	barrier	barrier	barrier	barrier
RpB	Regent-Ridgeview silty clay loams, 2 to 6 percent slopes	Regent	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Dupree	30	barrier	barrier	barrier	barrier
SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Sansarc	45	barrier	barrier	barrier	barrier
SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Opal	40	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Opal	30	barrier	barrier	barrier	barrier
ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
Sh	Shale land	Sansarc	15	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch)			
				$El._{wetland\ boundary} - El._{ditch\ invert}$			
				2 ft.	3 ft.	4 ft.	5 ft.
Sy	Bullcreek-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier
VeB	Vebar fine sandy loam, 0 to 6 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VfB	Vebar-Flasher complex, 2 to 9 percent slopes	Vebar	55	barrier	barrier	barrier	barrier
VfB	Vebar-Flasher complex, 2 to 9 percent slopes	Flasher	40	barrier	barrier	barrier	barrier
WaF	Wayden-Moreau silty clays, 25 to 40 percent slopes	Wayden	70	barrier	barrier	barrier	barrier
WaF	Wayden-Moreau silty clays, 25 to 40 percent slopes	Moreau	20	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AbA	Rhoades silt loam, 0 to 2 percent slopes	Rhoades	85	68	93	112	127
AcA	Rhoades-Slickspots complex, 0 to 2 percent slopes	Rhoades	55	68	93	112	127
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	80	119	160	189	212
AgB	Agar silt loam, 2 to 6 percent slopes	Reliance	19	89	121	144	162
AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Capa	50	67	93	111	126
BdA	Belfield-Daglum silt loams, 0 to 2 percent slopes	Belfield	60	94	127	151	170
BdA	Belfield-Daglum silt loams, 0 to 2 percent slopes	Daglum	20	42	59	72	83
BrA	Belfield-Reeder loams, 0 to 2 percent slopes	Belfield	50	78	107	128	145
BrB	Belfield-Reeder loams, 2 to 6 percent slopes	Belfield	45	78	107	128	145
BrC	Belfield-Reeder loams, 6 to 9 percent slopes	Belfield	45	78	107	128	145
CdA	Canning loam, 0 to 2 percent slopes	Canning	90	494	637	739	816
CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Rockoutcrop	40	56	78	95	108
DaA	Daglum silt loam, 0 to 2 percent slopes	Daglum	70	42	59	72	83
EkA	Ekalaka fine sandy loam, 0 to 6 percent slopes	Ekalaka	80	115	154	183	205
EkC	Ekalaka fine sandy loam, 6 to 9 percent slopes	Ekalaka	85	115	154	183	205
FaA	Farland silt loam, 0 to 2 percent slopes	Farland	90	118	158	187	210
FaB	Farland silt loam, 2 to 6 percent slopes	Farland	85	118	158	187	210
Gb	Glenross fine sandy loam	Glenross	80	217	284	333	370
Gp	Pits, gravel	Orthents	99	553	711	824	910
Gr	Glenross-Regan fine sandy loams	Glenross	60	217	284	333	370
Gr	Glenross-Regan fine sandy loams	Regan	35	78	106	127	144
Hc	Heil soils	Heil	95	49	69	84	96
In	Intermittent lakes	Aquolls	95	76	104	125	141
Lo	Lohler silty clay	Lohler	90	69	95	114	129
Lp	Lohler and Havrelon soils	Havrelon	40	60	83	100	114
Lp	Lohler and Havrelon soils	Lohler	40	69	95	114	129
LwA	Lowry silt loam, 0 to 2 percent slopes	Lowry	95	163	215	253	282
LwB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	163	215	253	282
MdA	Morton-Belfield complex, 0 to 2 percent slopes	Belfield	35	78	107	128	145
MdB	Morton-Belfield complex, 2 to 6 percent slopes	Belfield	25	78	107	128	145
MfA	Morton-Farland silt loams, 0 to 2 percent slopes	Farland	30	118	158	187	210
Na	Lohler, channeled-Rhoades complex	Rhoades	40	68	93	112	127
Na	Lohler, channeled-Rhoades complex	Daglum	30	72	98	118	134
OpA	Opal-Promise clays, 1 to 4 percent slopes	Promise	40	79	108	129	146
Pa	Parshall fine sandy loam	Parshall	90	191	252	295	328
Pe	Parshall-Ekalaka fine sandy loams	Parshall	60	191	252	295	328
Pe	Parshall-Ekalaka fine sandy loams	Ekalaka	30	115	154	183	205
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	79	108	129	146
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	79	108	129	146
PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Promise	70	79	108	129	146
Pw	Promise-Wendte clays, channeled	Promise	65	79	108	129	146
Pw	Promise-Wendte clays, channeled	Wendte	25	76	104	124	140
RpA	Regent-Ridgeview silty clay loams, 0 to 2 percent slopes	Ridgeview	45	79	108	129	146
RpB	Regent-Ridgeview silty clay loams, 2 to 6 percent slopes	Ridgeview	45	79	108	129	146
RsA	Reliance silty clay loam, 0 to 2 percent slopes	Reliance	95	89	121	144	162
RsB	Reliance silty clay loam, 2 to 6 percent slopes	Reliance	95	89	121	144	162
RtB	Rhoades-Daglum complex, 2 to 6 percent slopes	Rhoades	45	68	93	112	127
RtB	Rhoades-Daglum complex, 2 to 6 percent slopes	Daglum	30	42	60	73	84
RvA	Ridgeview silty clay loam, 0 to 2 percent slopes	Ridgeview	85	79	108	129	146
ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Rockoutcrop	45	56	78	95	108
SdC	Schamber gravelly sandy loam, 3 to 15 percent slopes	Schamber	80	324	421	490	543
SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Schamber	50	324	421	490	543
Sh	Shale land	Rockoutcrop	75	56	78	95	108
Sm	Shambo loam	Shambo	90	127	170	201	225
Sw	Bullcreek clay	Bullcreek	90	59	82	100	113
Sy	Bullcreek-Slickspots complex	Bullcreek	55	59	82	100	113
Ta	Tally fine sandy loam	Tally	90	197	258	303	337
Th	Trembles-Havrelon complex	Trembles	55	123	164	194	217
Th	Trembles-Havrelon complex	Havrelon	35	60	83	100	114
Tr	Trembles and Banks soils	Banks	45	300	389	454	503
Tr	Trembles and Banks soils	Trembles	40	110	148	175	197

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
*NOTE:	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
AcA	Rhoades-Slickspots complex, 0 to 2 percent slopes	Slickspots	40	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Parchin	40	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Bullock	30	barrier	barrier	barrier	barrier
ArB	Parchin-Bullock-Slickspots complex, 2 to 9 percent slopes	Slickspots	25	barrier	barrier	barrier	barrier
AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Slickspots	40	barrier	barrier	barrier	barrier
BrA	Belfield-Reeder loams, 0 to 2 percent slopes	Reeder	30	barrier	barrier	barrier	barrier
BrB	Belfield-Reeder loams, 2 to 6 percent slopes	Reeder	40	barrier	barrier	barrier	barrier
BrC	Belfield-Reeder loams, 6 to 9 percent slopes	Reeder	40	barrier	barrier	barrier	barrier
CbE	Cabba-Lantry silt loams, 15 to 25 percent slopes	Cabba	50	barrier	barrier	barrier	barrier
CbE	Cabba-Lantry silt loams, 15 to 25 percent slopes	Lantry	35	barrier	barrier	barrier	barrier
CbF	Cabba-Lantry silt loams, 25 to 40 percent slopes	Cabba	65	barrier	barrier	barrier	barrier
CbF	Cabba-Lantry silt loams, 25 to 40 percent slopes	Lantry	20	barrier	barrier	barrier	barrier
ChB	Chantier clay, 2 to 9 percent slopes	Chantier	85	barrier	barrier	barrier	barrier
CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Chantier	50	barrier	barrier	barrier	barrier
DoB	Dupree-Opal clays, 2 to 9 percent slopes	Dupree	45	barrier	barrier	barrier	barrier
DoB	Dupree-Opal clays, 2 to 9 percent slopes	Opal	45	barrier	barrier	barrier	barrier
DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Dupree	60	barrier	barrier	barrier	barrier
DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
FbF	Flasher loamy fine sand, 25 to 40 percent slopes	Flasher	75	barrier	barrier	barrier	barrier
FvD	Flasher-Vebar complex, 6 to 15 percent slopes	Flasher	50	barrier	barrier	barrier	barrier
FvD	Flasher-Vebar complex, 6 to 15 percent slopes	Vebar	40	barrier	barrier	barrier	barrier
FvE	Flasher-Vebar complex, 15 to 25 percent slopes	Flasher	70	barrier	barrier	barrier	barrier
FvE	Flasher-Vebar complex, 15 to 25 percent slopes	Vebar	25	barrier	barrier	barrier	barrier
HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Hurley	65	barrier	barrier	barrier	barrier
HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Slickspots	20	barrier	barrier	barrier	barrier
LmD	Lantry-Morton silt loams, 6 to 15 percent slopes	Lantry	50	barrier	barrier	barrier	barrier
LmD	Lantry-Morton silt loams, 6 to 15 percent slopes	Morton	40	barrier	barrier	barrier	barrier
MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Moreau	45	barrier	barrier	barrier	barrier
MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Wayden	35	barrier	barrier	barrier	barrier
McB	Morton silt loam, 2 to 6 percent slopes	Morton	75	barrier	barrier	barrier	barrier
MdA	Morton-Belfield complex, 0 to 2 percent slopes	Morton	50	barrier	barrier	barrier	barrier
MdB	Morton-Belfield complex, 2 to 6 percent slopes	Morton	60	barrier	barrier	barrier	barrier
MfA	Morton-Farland silt loams, 0 to 2 percent slopes	Morton	65	barrier	barrier	barrier	barrier
MgB	Morton-Lantry silt loams, 2 to 9 percent slopes	Morton	55	barrier	barrier	barrier	barrier
MgB	Morton-Lantry silt loams, 2 to 9 percent slopes	Lantry	30	barrier	barrier	barrier	barrier
OaB	Opal clay, 2 to 9 percent slopes	Opal	80	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	25	barrier	barrier	barrier	barrier
OpA	Opal-Promise clays, 1 to 4 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Slickspots	25	barrier	barrier	barrier	barrier
RaA	Reeder loam, 0 to 2 percent slopes	Reeder	85	barrier	barrier	barrier	barrier
RaB	Reeder loam, 2 to 6 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RaC	Reeder loam, 6 to 9 percent slopes	Reeder	90	barrier	barrier	barrier	barrier
RbC	Regent silty clay loam, 6 to 9 percent slopes	Regent	85	barrier	barrier	barrier	barrier
RmB	Regent-Moreau complex, 2 to 9 percent slopes	Regent	55	barrier	barrier	barrier	barrier
RmB	Regent-Moreau complex, 2 to 9 percent slopes	Moreau	40	barrier	barrier	barrier	barrier
RpA	Regent-Ridgeview silty clay loams, 0 to 2 percent slopes	Regent	50	barrier	barrier	barrier	barrier
RpB	Regent-Ridgeview silty clay loams, 2 to 6 percent slopes	Regent	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Dupree	30	barrier	barrier	barrier	barrier
SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Sansarc	45	barrier	barrier	barrier	barrier
SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Opal	40	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Opal	30	barrier	barrier	barrier	barrier
ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
Sh	Shale land	Sansarc	15	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Dewey County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile)			
				$El._{wetland\ boundary} - El._{tile\ invert}$			
				2 ft.	3 ft.	4 ft.	5 ft.
Sy	Bullcreek-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier
VeB	Vebar fine sandy loam, 0 to 6 percent slopes	Vebar	85	barrier	barrier	barrier	barrier
VfB	Vebar-Flasher complex, 2 to 9 percent slopes	Vebar	55	barrier	barrier	barrier	barrier
VfB	Vebar-Flasher complex, 2 to 9 percent slopes	Flasher	40	barrier	barrier	barrier	barrier
WaF	Wayden-Moreau silty clays, 25 to 40 percent slopes	Wayden	70	barrier	barrier	barrier	barrier
WaF	Wayden-Moreau silty clays, 25 to 40 percent slopes	Moreau	20	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Douglas County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Arlo loam	Arlo	85	291	371	429	472
Ax	Arlo loam, wet	Arlo	90	180	230	266	293
BaB	Beadle clay loam, 2 to 6 percent slopes	Beadle	85	55	72	85	94
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	45	66	86	100	111
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	65	85	99	109
Bn	Bon loam	Bon	85	102	131	153	168
Bo	Bon loam, channeled	Bon	85	99	127	148	163
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	65	84	98	109
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	65	85	99	109
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Clarno	45	65	84	98	109
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Ethan	20	65	85	99	109
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Prosper	15	82	106	124	137
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Clarno	40	65	84	98	109
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	30	65	85	99	109
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	15	85	110	128	142
CpA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	65	65	84	98	109
CpA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	20	82	106	124	137
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Clarno	50	65	84	98	109
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Stickney	20	65	85	99	110
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Prosper	15	82	106	124	137
DaB	Davis silt loam, 2 to 6 percent slopes	Davis	85	113	146	169	187
DbA	DeGrey-Walke silt loams, 0 to 4 percent slopes	DeGrey	55	83	108	125	139
DbA	DeGrey-Walke silt loams, 0 to 4 percent slopes	Walke	25	98	126	146	161
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	511	651	750	825
DlB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	511	651	750	825
DlB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	30	522	665	767	843
DmC	Delmont-Talmo loams, 2 to 9 percent slopes	Delmont	50	511	651	750	825
DmC	Delmont-Talmo loams, 2 to 9 percent slopes	Talmo	30	449	573	661	727
Do	Dimo loam	Dimo	85	273	349	403	444
EaA	Eakin-Ethan complex, 0 to 3 percent slopes	Eakin	60	92	118	137	152
EaA	Eakin-Ethan complex, 0 to 3 percent slopes	Ethan	25	65	85	99	109
EaB	Eakin-Ethan complex, 3 to 6 percent slopes	Eakin	60	92	118	137	152
EaB	Eakin-Ethan complex, 3 to 6 percent slopes	Ethan	20	65	85	99	109
EaC	Eakin-Ethan complex, 6 to 9 percent slopes	Eakin	55	92	118	137	152
EaC	Eakin-Ethan complex, 6 to 9 percent slopes	Ethan	30	65	85	99	109
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	55	522	665	767	843
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	30	511	651	750	825
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	50	65	85	99	109
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	65	84	98	109
Fa	Farmsworth silt loam	Farmsworth	80	93	120	140	154
HbA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Henkin	55	248	317	366	403
HbA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	25	211	270	312	344
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	55	248	317	366	403
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	20	211	270	312	344
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	50	81	105	122	135
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	92	118	137	152
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	45	81	105	122	135
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	35	92	118	137	152
HgA	Highmore-Walke silt loams, 0 to 3 percent slopes	Highmore	45	81	105	122	135
HgA	Highmore-Walke silt loams, 0 to 3 percent slopes	Walke	35	98	126	146	161
HhB	Homme silty clay loam, 2 to 6 percent slopes	Homme	85	81	105	122	135
HmB	Homme-Ethan complex, 1 to 6 percent slopes	Homme	60	81	105	122	135
HmB	Homme-Ethan complex, 1 to 6 percent slopes	Ethan	25	65	85	99	109
HnA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	81	105	122	135
HnA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	25	99	128	148	164
Hv	Hoven silt loam	Hoven	85	88	114	133	147
La	Lane silty clay loam	Lane	80	80	103	120	133
Ma	Macken silty clay	Macken	85	85	110	128	141
Na	Napa silt loam	Napa	80	87	113	131	145
Oa	Onita silt loam	Onita	85	108	139	161	178
On	Onita-Tetonka silt loams	Onita	50	108	139	161	178
On	Onita-Tetonka silt loams	Tetonka	30	96	124	144	159

South Dakota Lateral Effect Tables for Douglas County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Pt	Prosper-Tetonka complex	Prosper	55	82	106	124	137
Pt	Prosper-Tetonka complex	Tetonka	25	96	124	144	159
TaC	Talmo gravelly sandy loam, 2 to 9 percent slopes	Talmo	100	359	458	528	581
Te	Tetonka silt loam	Tetonka	85	96	124	144	159
Wo	Worthing silty clay loam	Worthing	85	67	86	101	112
Wp	Worthing silty clay loam, ponded	Worthing	100	74	96	112	123

South Dakota Lateral Effect Tables for Douglas County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Arlo loam	Arlo	85	276	359	419	464
Ax	Arlo loam, wet	Arlo	90	165	218	257	286
BaB	Beadle clay loam, 2 to 6 percent slopes	Beadle	85	44	62	76	87
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	45	54	75	91	104
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	53	74	90	103
Bn	Bon loam	Bon	85	89	120	143	161
Bo	Bon loam, channeled	Bon	85	85	116	139	156
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	50	53	74	89	102
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	53	74	90	103
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Clarno	45	53	74	89	102
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Ethan	20	53	74	90	103
CnA	Clarno-Ethan-Prosper loams, 0 to 3 percent slopes	Prosper	15	69	95	115	130
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Clarno	40	53	74	89	102
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	30	53	74	90	103
CnB	Clarno-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	15	72	99	119	135
CpA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	65	53	74	89	102
CpA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	20	69	95	115	130
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Clarno	50	53	74	89	102
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Stickney	20	53	74	90	103
CsA	Clarno-Stickney-Prosper loams, 0 to 3 percent slopes	Prosper	15	69	95	115	130
DaB	Davis silt loam, 2 to 6 percent slopes	Davis	85	100	134	160	180
DbA	DeGrey-Walke silt loams, 0 to 4 percent slopes	DeGrey	55	71	97	117	132
DbA	DeGrey-Walke silt loams, 0 to 4 percent slopes	Walke	25	84	115	137	155
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	495	638	740	818
DlB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	55	495	638	740	818
DlB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	30	506	652	757	835
DmC	Delmont-Talmo loams, 2 to 9 percent slopes	Delmont	50	495	638	740	818
DmC	Delmont-Talmo loams, 2 to 9 percent slopes	Talmo	30	434	561	651	719
Do	Dimo loam	Dimo	85	259	337	394	437
EaA	Eakin-Ethan complex, 0 to 3 percent slopes	Eakin	60	79	107	128	145
EaA	Eakin-Ethan complex, 0 to 3 percent slopes	Ethan	25	53	74	90	103
EaB	Eakin-Ethan complex, 3 to 6 percent slopes	Eakin	60	79	107	128	145
EaB	Eakin-Ethan complex, 3 to 6 percent slopes	Ethan	20	53	74	90	103
EaC	Eakin-Ethan complex, 6 to 9 percent slopes	Eakin	55	79	107	128	145
EaC	Eakin-Ethan complex, 6 to 9 percent slopes	Ethan	30	53	74	90	103
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	55	506	652	757	835
EdA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	30	495	638	740	818
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	50	53	74	90	103
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	53	74	89	102
Fa	Farmsworth silt loam	Farmsworth	80	80	109	131	147
HbA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Henkin	55	233	305	356	396
HbA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	25	196	258	303	336
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	55	233	305	356	396
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	20	196	258	303	336
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	50	69	94	113	129
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	79	107	128	145
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	45	69	94	113	129
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	35	79	107	128	145
HgA	Highmore-Walke silt loams, 0 to 3 percent slopes	Highmore	45	69	94	113	129
HgA	Highmore-Walke silt loams, 0 to 3 percent slopes	Walke	35	84	115	137	155
HhB	Homme silty clay loam, 2 to 6 percent slopes	Homme	85	69	94	113	128
HmB	Homme-Ethan complex, 1 to 6 percent slopes	Homme	60	69	94	113	128
HmB	Homme-Ethan complex, 1 to 6 percent slopes	Ethan	25	53	74	90	103
HnA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Homme	60	69	94	113	128
HnA	Homme-Onita silty clay loams, 0 to 2 percent slopes	Onita	25	86	116	139	157
Hv	Hoven silt loam	Hoven	85	76	103	124	140
La	Lane silty clay loam	Lane	80	67	92	111	126
Ma	Macken silty clay	Macken	85	72	99	119	134
Na	Napa silt loam	Napa	80	74	102	122	138
Oa	Onita silt loam	Onita	85	95	128	152	171
On	Onita-Tetonka silt loams	Onita	50	95	128	152	171
On	Onita-Tetonka silt loams	Tetonka	30	83	113	135	152

South Dakota Lateral Effect Tables for Douglas County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Pt	Prosper-Tetonka complex	Prosper	55	69	95	115	130
Pt	Prosper-Tetonka complex	Tetonka	25	83	113	135	152
TaC	Talmo gravelly sandy loam, 2 to 9 percent slopes	Talmo	100	344	445	518	574
Te	Tetonka silt loam	Tetonka	85	83	113	135	152
Wo	Worthing silty clay loam	Worthing	85	54	76	92	105
Wp	Worthing silty clay loam, ponded	Worthing	100	61	85	103	117

South Dakota Lateral Effect Tables for Edmunds County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Bearden loam	Bearden	85	71	93	108	120
Bc	Bowbells-Cresbard loams	Bowbells	50	78	102	118	131
Bc	Bowbells-Cresbard loams	Cresbard	30	85	110	128	141
BoA	Bowdle loam, 0 to 2 percent slopes	Bowdle	85	476	607	700	769
BoB	Bowdle loam, 2 to 6 percent slopes	Bowdle	90	476	607	700	769
BrA	Bryant loam, 0 to 2 percent slopes	Bryant	79	112	145	168	185
BrB	Bryant loam, 2 to 6 percent slopes	Bryant	82	112	145	168	185
BrC	Bryant loam, 6 to 9 percent slopes	Bryant	85	112	145	168	185
BvA	Bryant loam, sand substratum, 1 to 3 percent slopes	Bryant	80	112	145	168	185
BxB	Bryant-Grassna loams, 2 to 6 percent slopes	Bryant	55	112	145	168	185
BxB	Bryant-Grassna loams, 2 to 6 percent slopes	Grassna	25	103	133	154	170
Dv	Divide loam	Divide	90	468	597	689	757
EdE	Edgeley loam, 6 to 20 percent slopes	Edgeley	80	barrier	barrier	barrier	barrier
Gr	Grassna loam	Grassna	90	103	133	154	170
He	Heil silt loam	Heil	85	63	82	96	107
LeA	Lehr loam, 0 to 3 percent slopes	Lehr	80	482	615	709	779
LeB	Lehr loam, 3 to 6 percent slopes	Lehr	80	482	615	709	779
LhB	Lehr-Bowdle loams, 0 to 6 percent slopes	Lehr	50	482	615	709	779
LhB	Lehr-Bowdle loams, 0 to 6 percent slopes	Bowdle	30	476	607	700	769
Lt	Letcher fine sandy loam	Letcher	90	129	166	192	212
Lv	La Prairie, Channeled, and Ranslo soils	La Prairie	50	81	106	123	136
Lv	La Prairie, Channeled, and Ranslo soils	Ranslo	44	125	161	186	206
Mb	Parnell, ponded	Parnell	95	90	116	135	150
MdA	Mondamin silty clay loam, 0 to 2 percent slopes	Mondamin	82	94	121	141	155
MdB	Mondamin silty clay loam, 2 to 6 percent slopes	Mondamin	80	94	121	141	155
Mh	Mondamin-Heil silty clay loams	Mondamin	55	94	121	141	155
Mh	Mondamin-Heil silty clay loams	Heil	25	61	80	93	103
NmA	Niobell-Miranda loams, 0 to 3 percent slopes	Niobell	42	84	109	126	140
NmA	Niobell-Miranda loams, 0 to 3 percent slopes	Miranda	30	55	72	84	94
NpB	Niobell-Noonan loams, 1 to 5 percent slopes	Niobell	35	84	109	126	140
NpB	Niobell-Noonan loams, 1 to 5 percent slopes	Noonan	30	81	105	123	136
Pa	Parnell silty clay loam	Parnell	85	93	120	139	154
Rh	Ranslo-Harriet silt loams	Ranslo	45	125	161	186	206
Rh	Ranslo-Harriet silt loams	Harriet	40	82	106	123	136
Rn	Regan silt loam	Regan	82	510	650	749	824
Sp	Spottswood loam	Spottswood	85	438	558	644	708
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	176	225	261	287
TbB	Temvik-Bryant loams, 2 to 6 percent slopes	Temvik	50	86	111	129	143
TbB	Temvik-Bryant loams, 2 to 6 percent slopes	Bryant	35	112	145	168	185
TgB	Temvik-Grassna loams, 3 to 6 percent slopes	Temvik	50	86	111	129	143
TgB	Temvik-Grassna loams, 3 to 6 percent slopes	Grassna	30	103	133	154	170
TgC	Temvik-Grassna loams, 6 to 9 percent slopes	Temvik	50	86	111	129	143
TgC	Temvik-Grassna loams, 6 to 9 percent slopes	Grassna	25	103	133	154	170
Tn	Tonka-Nishon silt loams	Tonka	50	77	100	117	129
Tn	Tonka-Nishon silt loams	Nishon	40	97	126	146	161
VdC	Vida extremely stony loam, 3 to 15 percent slopes	Vida	90	79	103	120	132
VwC	Vida-Williams loams, 6 to 15 percent slopes	Vida	45	79	103	120	132
VwC	Vida-Williams loams, 6 to 15 percent slopes	Williams	35	67	87	101	112
VzE	Vida-Zahill loams, 15 to 25 percent slopes	Vida	45	79	103	120	132
VzE	Vida-Zahill loams, 15 to 25 percent slopes	Zahill	30	57	75	87	96
WaD	Wabek loam, 6 to 20 percent slopes	Wabek	90	458	584	673	741
WbC	Wabek-Bowdle loams, 6 to 15 percent slopes	Bowdle	35	476	607	700	769
WbC	Wabek-Bowdle loams, 6 to 15 percent slopes	Wabek	35	458	584	673	741
WnB	Williams-Bowbells loams, 3 to 6 percent slopes	Williams	65	67	87	101	112
WnB	Williams-Bowbells loams, 3 to 6 percent slopes	Bowbells	20	78	102	118	131
WnC	Williams-Bowbells loams, 6 to 9 percent slopes	Williams	60	67	87	101	112
WnC	Williams-Bowbells loams, 6 to 9 percent slopes	Bowbells	20	78	102	118	131
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Williams	50	67	87	101	112
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Bowbells	25	78	102	118	131

South Dakota Lateral Effect Tables for Edmunds County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Nishon	15	97	126	146	161
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Williams	50	67	87	101	112
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Bowbells	20	78	102	118	131
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Nishon	10	97	126	146	161
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Williams	45	67	87	101	112
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Bowbells	20	78	102	118	131
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Parnell	10	93	120	139	154

South Dakota Lateral Effect Tables for Edmunds County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Bearden loam	Bearden	85	59	82	99	113
Bc	Bowbells-Cresbard loams	Bowbells	50	66	91	109	124
Bc	Bowbells-Cresbard loams	Cresbard	30	72	99	119	134
BoA	Bowdle loam, 0 to 2 percent slopes	Bowdle	85	461	594	690	762
BoB	Bowdle loam, 2 to 6 percent slopes	Bowdle	90	461	594	690	762
BrA	Bryant loam, 0 to 2 percent slopes	Bryant	79	99	133	159	178
BrB	Bryant loam, 2 to 6 percent slopes	Bryant	82	99	133	159	178
BrC	Bryant loam, 6 to 9 percent slopes	Bryant	85	99	133	159	178
BvA	Bryant loam, sand substratum, 1 to 3 percent slopes	Bryant	80	99	133	159	178
BxB	Bryant-Grassna loams, 2 to 6 percent slopes	Bryant	55	99	133	159	178
BxB	Bryant-Grassna loams, 2 to 6 percent slopes	Grassna	25	90	122	145	163
Dv	Divide loam	Divide	90	453	585	679	750
EdE	Edgeley loam, 6 to 20 percent slopes	Edgeley	80	barrier	barrier	barrier	barrier
Gr	Grassna loam	Grassna	90	90	122	145	163
He	Heil silt loam	Heil	85	52	72	88	100
LeA	Lehr loam, 0 to 3 percent slopes	Lehr	80	467	602	699	772
LeB	Lehr loam, 3 to 6 percent slopes	Lehr	80	467	602	699	772
LhB	Lehr-Bowdle loams, 0 to 6 percent slopes	Lehr	50	467	602	699	772
LhB	Lehr-Bowdle loams, 0 to 6 percent slopes	Bowdle	30	461	594	690	762
Lt	Letcher fine sandy loam	Letcher	90	115	154	182	205
Lv	La Prairie, Channeled, and Ranslo soils	La Prairie	50	69	95	114	129
Lv	La Prairie, Channeled, and Ranslo soils	Ranslo	44	111	149	177	199
Mb	Parnell, ponded	Parnell	95	77	105	126	143
MdA	Mondamin silty clay loam, 0 to 2 percent slopes	Mondamin	82	81	110	132	148
MdB	Mondamin silty clay loam, 2 to 6 percent slopes	Mondamin	80	81	110	132	148
Mh	Mondamin-Heil silty clay loams	Mondamin	55	81	110	132	148
Mh	Mondamin-Heil silty clay loams	Heil	25	50	69	85	97
NmA	Niobell-Miranda loams, 0 to 3 percent slopes	Niobell	42	71	98	118	133
NmA	Niobell-Miranda loams, 0 to 3 percent slopes	Miranda	30	44	62	76	87
NpB	Niobell-Noonan loams, 1 to 5 percent slopes	Niobell	35	71	98	118	133
NpB	Niobell-Noonan loams, 1 to 5 percent slopes	Noonan	30	69	94	114	129
Pa	Parnell silty clay loam	Parnell	85	80	109	130	147
Rh	Ranslo-Harriet silt loams	Ranslo	45	111	149	177	199
Rh	Ranslo-Harriet silt loams	Harriet	40	69	95	114	129
Rn	Regan silt loam	Regan	82	494	637	739	816
Sp	Spottswood loam	Spottswood	85	423	546	634	701
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	162	213	251	280
TbB	Temvik-Bryant loams, 2 to 6 percent slopes	Temvik	50	73	100	120	136
TbB	Temvik-Bryant loams, 2 to 6 percent slopes	Bryant	35	99	133	159	178
TgB	Temvik-Grassna loams, 3 to 6 percent slopes	Temvik	50	73	100	120	136
TgB	Temvik-Grassna loams, 3 to 6 percent slopes	Grassna	30	90	122	145	163
TgC	Temvik-Grassna loams, 6 to 9 percent slopes	Temvik	50	73	100	120	136
TgC	Temvik-Grassna loams, 6 to 9 percent slopes	Grassna	25	90	122	145	163
Tn	Tonka-Nishon silt loams	Tonka	50	65	89	108	122
Tn	Tonka-Nishon silt loams	Nishon	40	84	114	137	154
VdC	Vida extremely stony loam, 3 to 15 percent slopes	Vida	90	67	92	111	125
VwC	Vida-Williams loams, 6 to 15 percent slopes	Vida	45	67	92	111	125
VwC	Vida-Williams loams, 6 to 15 percent slopes	Williams	35	55	76	92	105
VzE	Vida-Zahill loams, 15 to 25 percent slopes	Vida	45	67	92	111	125
VzE	Vida-Zahill loams, 15 to 25 percent slopes	Zahill	30	46	64	79	90
WaD	Wabek loam, 6 to 20 percent slopes	Wabek	90	443	572	664	733
WbC	Wabek-Bowdle loams, 6 to 15 percent slopes	Bowdle	35	461	594	690	762
WbC	Wabek-Bowdle loams, 6 to 15 percent slopes	Wabek	35	443	572	664	733
WnB	Williams-Bowbells loams, 3 to 6 percent slopes	Williams	65	55	76	92	105
WnB	Williams-Bowbells loams, 3 to 6 percent slopes	Bowbells	20	66	91	109	124
WnC	Williams-Bowbells loams, 6 to 9 percent slopes	Williams	60	55	76	92	105
WnC	Williams-Bowbells loams, 6 to 9 percent slopes	Bowbells	20	66	91	109	124
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Williams	50	55	76	92	105
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Bowbells	25	66	91	109	124

South Dakota Lateral Effect Tables for Edmunds County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WtA	Williams-Bowbells-Nishon complex, 0 to 2 percent slopes	Nishon	15	84	114	137	154
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Williams	50	55	76	92	105
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Bowbells	20	66	91	109	124
WtB	Williams-Bowbells-Nishon complex, 2 to 6 percent slopes	Nishon	10	84	114	137	154
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Williams	45	55	76	92	105
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Bowbells	20	66	91	109	124
WvC	Williams-Bowbells-Parnell complex, 6 to 9 percent slopes	Parnell	10	80	108	130	147

South Dakota Lateral Effect Tables for Faulk County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Bb	Bowbells loam	Bowbells	80	84	109	126	140
BoA	Bowdle loam, 0 to 3 percent slopes	Bowdle	90	480	612	706	776
BrA	Bryant-Grassna silt loams, 0 to 2 percent slopes	Bryant	65	128	164	190	210
BrA	Bryant-Grassna silt loams, 0 to 2 percent slopes	Grassna	20	110	142	164	181
BrB	Bryant-Grassna silt loams, 2 to 6 percent slopes	Bryant	60	128	164	190	210
BrB	Bryant-Grassna silt loams, 2 to 6 percent slopes	Grassna	25	110	142	164	181
Ha	Harriet silt loam	Harriet	85	79	103	119	132
He	Heil silt loam	Heil	90	64	83	96	107
La	La Prairie loam	La Prairie	85	102	131	153	168
Lb	La Prairie loam, channeled	La Prairie	80	102	131	153	168
LeA	Lehr loam, 0 to 3 percent slopes	Lehr	90	212	272	314	346
LeB	Lehr loam, 3 to 6 percent slopes	Lehr	90	212	272	314	346
MaA	Ruso sandy loam, 0 to 3 percent slopes	Ruso	90	371	474	547	601
MbA	Manning variant loam, 0 to 3 percent slopes	Manning	90	115	148	171	189
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Max	65	85	110	128	142
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Arnegard	20	99	128	148	163
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Max	45	85	110	128	142
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Arnegard	25	99	128	148	163
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Zahl	15	72	94	109	121
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Max	45	85	110	128	142
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Niobell	20	92	119	139	153
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Noonan	15	82	106	123	136
MoA	Mondamin silty clay loam, 0 to 2 percent slopes	Mondamin	85	90	116	134	149
MoB	Mondamin silty clay loam, 2 to 6 percent slopes	Mondamin	85	90	116	134	149
NaA	Niobell-Noonan loams, 0 to 3 percent slopes	Niobell	40	92	119	139	153
NaA	Niobell-Noonan loams, 0 to 3 percent slopes	Noonan	30	82	106	123	136
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Niobell	30	92	119	139	153
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Max	25	85	110	128	142
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Noonan	25	82	106	123	136
Nn	Nishon silt loam	Nishon	90	82	106	124	137
NoA	Noonan-Miranda loams, 0 to 5 percent slopes	Noonan	50	82	106	123	136
NoA	Noonan-Miranda loams, 0 to 5 percent slopes	Miranda	30	59	77	89	99
Pa	Parnell silty clay loam	Parnell	90	96	125	145	160
Pp	Parnell silty clay loam, ponded	Parnell	90	96	125	145	160
RaA	Raber-Cavo complex, 0 to 2 percent slopes	Raber	54	50	65	76	85
RaA	Raber-Cavo complex, 0 to 2 percent slopes	Cavo	30	71	92	107	119
RaB	Raber-Cavo complex, 2 to 6 percent slopes	Raber	54	50	65	76	85
RaB	Raber-Cavo complex, 2 to 6 percent slopes	Cavo	30	71	92	107	119
Rh	Ranslo-Harriet silt loams	Ranslo	50	126	162	188	207
Rh	Ranslo-Harriet silt loams	Harriet	40	79	103	119	132
TaA	Tally fine sandy loam, 0 to 2 percent slopes	Tally	80	167	214	248	273
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	80	167	214	248	273
Tn	Tonka-Nishon silt loams	Tonka	55	88	114	133	147
Tn	Tonka-Nishon silt loams	Nishon	40	82	106	124	137
VaC	Vida-Williams very stony loams, 2 to 9 percent slopes	Vida	50	81	105	122	135
VaC	Vida-Williams very stony loams, 2 to 9 percent slopes	Williams	30	69	90	104	116
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Vida	35	81	105	122	135
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Williams	25	69	90	104	116
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Bowbells	20	84	109	126	140
WaD	Wabek loam, 9 to 25 percent slopes	Wabek	90	517	659	760	835
WbC	Wabek-Bowdle loams, 3 to 9 percent slopes	Wabek	50	517	659	760	835
WbC	Wabek-Bowdle loams, 3 to 9 percent slopes	Bowdle	35	231	295	341	375
WnA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	60	69	90	104	116
WnA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	25	84	109	126	140
WnB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	69	90	104	116
WnB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	84	109	126	140
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Williams	50	69	90	104	116
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Bowbells	20	84	109	126	140
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Nishon	15	82	106	124	137

South Dakota Lateral Effect Tables for Faulk County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Williams	40	69	90	104	116
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Bowbells	20	84	109	126	140
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Nishon	20	82	106	124	137
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Williams	55	69	90	104	116
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Bowbells	15	84	109	126	140
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Noonan	15	82	106	123	136
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Williams	50	69	90	104	116
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Bowbells	20	84	109	126	140
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Noonan	15	82	106	123	136
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Williams	35	69	90	104	116
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Bowbells	25	84	109	126	140
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Parnell	20	96	125	145	160
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Williams	50	69	90	104	116
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Bowbells	20	84	109	126	140
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Vida	15	81	105	122	135
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Williams	45	69	90	104	116
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Niobell	20	92	119	139	153
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Noonan	15	82	106	123	136
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Williams	40	69	90	104	116
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Bowbells	20	84	109	126	140
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Vida	20	81	105	122	135
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Williams	40	69	90	104	116
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Zahill	25	76	99	115	128
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Bowbells	20	84	109	126	140
ZaE	Zahill loam, 15 to 40 percent slopes	Zahill	80	76	99	115	128
ZcE	Zahill very stony loam, 6 to 25 percent slopes	Zahill	80	76	99	115	128
ZlD	Zahill-La Prairie complex, 2 to 25 percent slopes	Zahill	45	76	99	115	128
ZlD	Zahill-La Prairie complex, 2 to 25 percent slopes	La Prairie	30	102	131	153	168
ZmC	Zahl-Max loams, 6 to 9 percent slopes	Zahl	45	72	94	109	121
ZmC	Zahl-Max loams, 6 to 9 percent slopes	Max	40	85	110	128	142
ZmD	Zahl-Max loams, 9 to 20 percent slopes	Zahl	45	72	94	109	121
ZmD	Zahl-Max loams, 9 to 20 percent slopes	Max	35	85	110	128	142

South Dakota Lateral Effect Tables for Faulk County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Bb	Bowbells loam	Bowbells	80	71	98	117	133
BoA	Bowdle loam, 0 to 3 percent slopes	Bowdle	90	465	600	696	769
BrA	Bryant-Grassna silt loams, 0 to 2 percent slopes	Bryant	65	114	153	181	203
BrA	Bryant-Grassna silt loams, 0 to 2 percent slopes	Grassna	20	96	130	155	174
BrB	Bryant-Grassna silt loams, 2 to 6 percent slopes	Bryant	60	114	153	181	203
BrB	Bryant-Grassna silt loams, 2 to 6 percent slopes	Grassna	25	96	130	155	174
Ha	Harriet silt loam	Harriet	85	67	92	111	125
He	Heil silt loam	Heil	90	52	72	88	100
La	La Prairie loam	La Prairie	85	89	120	143	162
Lb	La Prairie loam, channeled	La Prairie	80	89	120	143	162
LeA	Lehr loam, 0 to 3 percent slopes	Lehr	90	198	260	304	339
LeB	Lehr loam, 3 to 6 percent slopes	Lehr	90	198	260	304	339
MaA	Ruso sandy loam, 0 to 3 percent slopes	Ruso	90	356	461	537	594
MbA	Manning variant loam, 0 to 3 percent slopes	Manning	90	101	136	162	182
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Max	65	72	99	119	135
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Arnegard	20	86	116	139	157
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Max	45	72	99	119	135
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Arnegard	25	86	116	139	157
MmB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Zahl	15	60	83	100	114
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Max	45	72	99	119	135
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Niobell	20	79	108	130	146
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Noonan	15	69	95	114	129
MoA	Mondamin silty clay loam, 0 to 2 percent slopes	Mondamin	85	77	105	125	142
MoB	Mondamin silty clay loam, 2 to 6 percent slopes	Mondamin	85	77	105	125	142
NaA	Niobell-Noonan loams, 0 to 3 percent slopes	Niobell	40	79	108	130	146
NaA	Niobell-Noonan loams, 0 to 3 percent slopes	Noonan	30	69	95	114	129
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Niobell	30	79	108	130	146
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Max	25	72	99	119	135
NbA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Noonan	25	69	95	114	129
Nn	Nishon silt loam	Nishon	90	69	95	115	130
NoA	Noonan-Miranda loams, 0 to 5 percent slopes	Noonan	50	69	95	114	129
NoA	Noonan-Miranda loams, 0 to 5 percent slopes	Miranda	30	47	66	81	93
Pa	Parnell silty clay loam	Parnell	90	83	113	136	153
Pp	Parnell silty clay loam, ponded	Parnell	90	83	113	136	153
RaA	Raber-Cavo complex, 0 to 2 percent slopes	Raber	54	39	55	68	78
RaA	Raber-Cavo complex, 0 to 2 percent slopes	Cavo	30	59	82	99	112
RaB	Raber-Cavo complex, 2 to 6 percent slopes	Raber	54	39	55	68	78
RaB	Raber-Cavo complex, 2 to 6 percent slopes	Cavo	30	59	82	99	112
Rh	Ranslo-Harriet silt loams	Ranslo	50	112	151	179	200
Rh	Ranslo-Harriet silt loams	Harriet	40	67	92	111	125
TaA	Tally fine sandy loam, 0 to 2 percent slopes	Tally	80	153	202	238	266
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	80	153	202	238	266
Tn	Tonka-Nishon silt loams	Tonka	55	75	103	124	140
Tn	Tonka-Nishon silt loams	Nishon	40	69	95	115	130
VaC	Vida-Williams very stony loams, 2 to 9 percent slopes	Vida	50	69	94	114	129
VaC	Vida-Williams very stony loams, 2 to 9 percent slopes	Williams	30	57	79	96	109
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Vida	35	69	94	114	129
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Williams	25	57	79	96	109
VdC	Vida-Williams-Bowbells loams, 2 to 9 percent slopes	Bowbells	20	71	98	117	133
WaD	Wabek loam, 9 to 25 percent slopes	Wabek	90	502	647	750	828
WbC	Wabek-Bowdle loams, 3 to 9 percent slopes	Wabek	50	502	647	750	828
WbC	Wabek-Bowdle loams, 3 to 9 percent slopes	Bowdle	35	216	283	331	368
WnA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	60	57	79	96	109
WnA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	25	71	98	117	133
WnB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	57	79	96	109
WnB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	71	98	117	133
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Williams	50	57	79	96	109
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Bowbells	20	71	98	117	133
WoA	Williams-Bowbells-Nishon complex, 0 to 3 percent slopes	Nishon	15	69	95	115	130

South Dakota Lateral Effect Tables for Faulk County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Williams	40	57	79	96	109
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Bowbells	20	71	98	117	133
WoB	Williams-Bowbells-Nishon complex, 1 to 6 percent slopes	Nishon	20	69	95	115	130
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Williams	55	57	79	96	109
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Bowbells	15	71	98	117	133
WpA	Williams-Bowbells-Noonan loams, 0 to 3 percent slopes	Noonan	15	69	95	114	129
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Williams	50	57	79	96	109
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Bowbells	20	71	98	117	133
WpB	Williams-Bowbells-Noonan loams, 1 to 6 percent slopes	Noonan	15	69	95	114	129
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Williams	35	57	79	96	109
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Bowbells	25	71	98	117	133
WtC	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Parnell	20	83	113	136	153
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Williams	50	57	79	96	109
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Bowbells	20	71	98	117	133
WvB	Williams-Bowbells-Vida loams, 1 to 6 percent slopes	Vida	15	69	94	114	129
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Williams	45	57	79	96	109
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Niobell	20	79	108	130	146
WwB	Williams-Niobell-Noonan loams, 3 to 6 percent slopes	Noonan	15	69	95	114	129
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Williams	40	57	79	96	109
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Bowbells	20	71	98	117	133
WxC	Williams-Vida-Bowbells stony loams, 2 to 9 percent slopes	Vida	20	69	94	114	129
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Williams	40	57	79	96	109
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Zahill	25	64	88	107	121
WzD	Williams-Zahill-Bowbells loams, 2 to 15 percent slopes	Bowbells	20	71	98	117	133
ZaE	Zahill loam, 15 to 40 percent slopes	Zahill	80	64	88	107	121
ZcE	Zahill very stony loam, 6 to 25 percent slopes	Zahill	80	64	88	107	121
ZlD	Zahill-La Prairie complex, 2 to 25 percent slopes	Zahill	45	64	88	107	121
ZlD	Zahill-La Prairie complex, 2 to 25 percent slopes	La Prairie	30	89	120	143	162
ZmC	Zahl-Max loams, 6 to 9 percent slopes	Zahl	45	60	83	100	114
ZmC	Zahl-Max loams, 6 to 9 percent slopes	Max	40	72	99	119	135
ZmD	Zahl-Max loams, 9 to 20 percent slopes	Zahl	45	60	83	100	114
ZmD	Zahl-Max loams, 9 to 20 percent slopes	Max	35	72	99	119	135

South Dakota Lateral Effect Tables for Grant County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad-Flom complex	Aastad	60	53	70	81	90
Aa	Aastad-Flom complex	Flom	30	50	65	76	84
AbA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	90	275	352	406	447
AbB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	90	275	352	406	447
AbC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	90	275	352	406	447
BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Barnes	50	70	91	106	117
BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Buse	30	46	61	71	79
BbB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	70	91	106	117
BbB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	99	128	148	163
BbC	Barnes-Svea loams, 3 to 9 percent slopes	Barnes	55	70	91	106	117
BbC	Barnes-Svea loams, 3 to 9 percent slopes	Svea	25	99	128	148	163
BbD	Barnes-Svea loams, 4 to 15 percent slopes	Barnes	45	70	91	106	117
BbD	Barnes-Svea loams, 4 to 15 percent slopes	Svea	30	99	128	148	163
Bc	Cubden silty clay loam	Cubden	90	71	92	107	119
Bd	Brookings silt loam	Brookings	90	83	108	125	138
BeF	Buse-Forman loams, 25 to 40 percent slopes	Buse	60	47	62	72	80
BeF	Buse-Forman loams, 25 to 40 percent slopes	Forman	25	76	98	114	126
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Buse	45	47	62	72	80
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Aastad	25	53	70	81	90
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Forman	25	76	98	114	126
Da	Divide loam	Divide	85	511	651	750	825
Db	Castlewood silty clay	Castlewood	85	85	110	127	141
EaA	Egeland fine sandy loam, 0 to 2 percent slopes	Egeland	90	165	212	245	270
EaB	Egeland fine sandy loam, 2 to 6 percent slopes	Egeland	85	165	212	245	270
Ec	Estelline silty clay loam	Estelline	90	606	772	890	978
Fa	Flom clay loam	Flom	90	50	65	76	84
FbA	Fordville loam, 0 to 2 percent slopes	Fordville	90	181	232	269	296
FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	181	232	269	296
FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	245	313	361	398
FdA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	76	98	114	126
FdA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	53	70	81	90
FdB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	76	98	114	126
FdB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	53	70	81	90
FdC	Forman-Aastad loams, 3 to 9 percent slopes	Forman	55	76	98	114	126
FdC	Forman-Aastad loams, 3 to 9 percent slopes	Aastad	25	53	70	81	90
FdD	Forman-Aastad loams, 4 to 15 percent slopes	Forman	50	76	98	114	126
FdD	Forman-Aastad loams, 4 to 15 percent slopes	Aastad	30	53	70	81	90
FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Forman	65	76	98	114	126
FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Aastad	25	53	70	81	90
FgC	Forman-Buse loams, 6 to 9 percent slopes	Forman	50	76	98	114	126
FgC	Forman-Buse loams, 6 to 9 percent slopes	Buse	25	47	62	72	80
FgE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	76	98	114	126
FgE	Forman-Buse loams, 15 to 25 percent slopes	Buse	30	47	62	72	80
FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Forman	40	76	98	114	126
FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Buse	35	46	61	71	79
HaD	Hattie clay loam, 9 to 15 percent slopes	Hattie	85	75	98	114	126
HaE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	75	98	114	126
HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	52	75	97	113	125
HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	28	127	163	189	208
HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	45	75	97	113	125
HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	40	127	163	189	208
HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	70	75	97	113	125
HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	20	99	128	148	163
HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	60	75	97	113	125
HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	99	128	148	163
La	LaDelle silt loam	LaDelle	90	110	141	164	181

South Dakota Lateral Effect Tables for Grant County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lb	LaDelle silt loam, channeled	LaDelle	85	110	141	164	181
Lc	Ludden silty clay	Ludden	90	74	96	111	123
Lp	La Prairie loam	La Prairie	90	108	139	161	178
MaE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	152	196	227	250
Mb	Marysland loam	Marysland	90	484	617	711	782
Oa	Overly silty clay loam	Overly	90	80	103	120	133
Pa	Parnell silty clay loam	Parnell	90	97	125	145	160
Pb	Southam silty clay loam	Southam	90	83	108	125	138
PcA	Peever clay loam, 0 to 2 percent slopes	Peever	85	53	69	81	90
PcB	Peever clay loam, 2 to 6 percent slopes	Peever	85	58	75	88	97
PcC	Peever clay loam, 6 to 9 percent slopes	Peever	85	53	69	81	90
Pd	Peever-Cavour complex	Peever	60	53	69	81	90
Pd	Peever-Cavour complex	Cavour	30	71	93	108	120
Pe	Peever-Tonka complex	Peever	62	53	69	81	90
Pe	Peever-Tonka complex	Tonka	28	90	116	135	149
Ph	Playmoor silty clay loam	Playmoor	85	112	144	167	185
Po	Poinsett silt loam	Poinsett	90	101	130	151	167
Ra	Rauville silty clay loam	Rauville	90	350	447	516	568
RbA	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	245	313	361	398
RbB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	245	313	361	398
RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Renshaw	55	245	313	361	398
RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Sioux	35	132	169	196	216
RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Renshaw	50	245	313	361	398
RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Sioux	40	344	440	507	558
ReA	Rentill loam, 0 to 2 percent slopes	Rentill	90	101	131	152	168
SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	65	132	169	196	216
SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	25	245	313	361	398
SbE	Sisseton loam, 15 to 40 percent slopes	Sisseton	85	127	163	189	208
ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Sisseton	45	127	163	189	208
ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Heimdal	30	75	97	113	125
Sd	Svea loam	Svea	90	99	128	148	163
SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	85	82	106	123	136
Ta	Tonka silt loam	Tonka	90	90	116	135	149
Va	Vallers loam	Vallers	90	62	81	94	104
Vb	Vallers-Parnell complex	Vallers	55	62	81	94	104
Vb	Vallers-Parnell complex	Parnell	35	97	125	145	160
Vc	Vallers-Tonka complex	Vallers	55	62	81	94	104
Vc	Vallers-Tonka complex	Tonka	35	90	116	135	149
VdD	Vienna-Buse complex, 9 to 15 percent slopes	Vienna	50	83	107	125	138
VdD	Vienna-Buse complex, 9 to 15 percent slopes	Buse	30	47	62	72	80
VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Vienna	65	83	107	125	138
VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Lismore	25	88	114	132	146
VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Vienna	58	83	107	125	138
VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Lismore	32	88	114	132	146
VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Vienna	60	83	107	125	138
VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Lismore	30	88	114	132	146

South Dakota Lateral Effect Tables for Grant County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad-Flom complex	Aastad	60	42	60	73	84
Aa	Aastad-Flom complex	Flom	30	39	55	68	78
AbA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	90	260	339	396	440
AbB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	90	260	339	396	440
AbC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	90	260	339	396	440
BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Barnes	50	58	80	97	110
BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Buse	30	36	51	63	73
BbB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	58	80	97	110
BbB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	86	116	139	157
BbC	Barnes-Svea loams, 3 to 9 percent slopes	Barnes	55	58	80	97	110
BbC	Barnes-Svea loams, 3 to 9 percent slopes	Svea	25	86	116	139	157
BbD	Barnes-Svea loams, 4 to 15 percent slopes	Barnes	45	58	80	97	110
BbD	Barnes-Svea loams, 4 to 15 percent slopes	Svea	30	86	116	139	157
Bc	Cubden silty clay loam	Cubden	90	59	82	99	112
Bd	Brookings silt loam	Brookings	90	70	97	116	132
BeF	Buse-Forman loams, 25 to 40 percent slopes	Buse	60	36	52	64	74
BeF	Buse-Forman loams, 25 to 40 percent slopes	Forman	25	63	87	105	120
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Buse	45	36	52	64	74
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Aastad	25	42	60	73	84
BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Forman	25	63	87	105	120
Da	Divide loam	Divide	85	495	638	741	818
Db	Castlewood silty clay	Castlewood	85	72	99	118	134
EaA	Egeland fine sandy loam, 0 to 2 percent slopes	Egeland	90	151	200	236	263
EaB	Egeland fine sandy loam, 2 to 6 percent slopes	Egeland	85	151	200	236	263
Ec	Estelline silty clay loam	Estelline	90	591	759	880	971
Fa	Flom clay loam	Flom	90	39	55	68	78
FbA	Fordville loam, 0 to 2 percent slopes	Fordville	90	167	221	259	289
FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	167	221	259	289
FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	230	301	352	391
FdA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	63	87	105	120
FdA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	42	60	73	84
FdB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	63	87	105	120
FdB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	42	60	73	84
FdC	Forman-Aastad loams, 3 to 9 percent slopes	Forman	55	63	87	105	120
FdC	Forman-Aastad loams, 3 to 9 percent slopes	Aastad	25	42	60	73	84
FdD	Forman-Aastad loams, 4 to 15 percent slopes	Forman	50	63	87	105	120
FdD	Forman-Aastad loams, 4 to 15 percent slopes	Aastad	30	42	60	73	84
FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Forman	65	63	87	105	120
FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Aastad	25	42	60	73	84
FgC	Forman-Buse loams, 6 to 9 percent slopes	Forman	50	63	87	105	120
FgC	Forman-Buse loams, 6 to 9 percent slopes	Buse	25	36	52	64	74
FgE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	63	87	105	120
FgE	Forman-Buse loams, 15 to 25 percent slopes	Buse	30	36	52	64	74
FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Forman	40	63	87	105	120
FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Buse	35	36	51	63	73
HaD	Hattie clay loam, 9 to 15 percent slopes	Hattie	85	63	87	105	119
HaE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	63	87	105	119
HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	52	62	86	104	118
HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	28	113	151	180	201
HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	45	62	86	104	118
HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	40	113	151	180	201
HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	70	62	86	104	118
HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	20	86	116	139	157
HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	60	62	86	104	118
HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	86	116	139	157
La	LaDelle silt loam	LaDelle	90	96	130	155	174

South Dakota Lateral Effect Tables for Grant County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lb	LaDelle silt loam, channeled	LaDelle	85	96	130	155	174
Lc	Ludden silty clay	Ludden	90	61	85	103	116
Lp	La Prairie loam	La Prairie	90	94	127	152	171
MaE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	138	184	217	243
Mb	Marysland loam	Marysland	90	468	604	701	774
Oa	Overly silty clay loam	Overly	90	67	92	111	126
Pa	Parnell silty clay loam	Parnell	90	84	114	136	153
Pb	Southam silty clay loam	Southam	90	70	97	116	132
PcA	Peever clay loam, 0 to 2 percent slopes	Peever	85	42	59	73	83
PcB	Peever clay loam, 2 to 6 percent slopes	Peever	85	46	65	79	91
PcC	Peever clay loam, 6 to 9 percent slopes	Peever	85	42	59	73	83
Pd	Peever-Cavour complex	Peever	60	42	59	73	83
Pd	Peever-Cavour complex	Cavour	30	59	82	99	113
Pe	Peever-Tonka complex	Peever	62	42	59	73	83
Pe	Peever-Tonka complex	Tonka	28	77	105	126	142
Ph	Playmoor silty clay loam	Playmoor	85	98	133	158	178
Po	Poinsett silt loam	Poinsett	90	88	119	142	160
Ra	Rauville silty clay loam	Rauville	90	335	435	506	560
RbA	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	230	301	352	391
RbB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	230	301	352	391
RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Renshaw	55	230	301	352	391
RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Sioux	35	118	157	187	209
RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Renshaw	50	230	301	352	391
RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Sioux	40	329	427	497	551
ReA	Rentill loam, 0 to 2 percent slopes	Rentill	90	88	119	143	161
SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	65	118	157	187	209
SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	25	230	301	352	391
SbE	Sisseton loam, 15 to 40 percent slopes	Sisseton	85	113	151	180	201
ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Sisseton	45	113	151	180	201
ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Heimdal	30	62	86	104	118
Sd	Svea loam	Svea	90	86	116	139	157
SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	85	69	95	114	129
Ta	Tonka silt loam	Tonka	90	77	105	126	142
Va	Vallers loam	Vallers	90	50	70	85	97
Vb	Vallers-Parnell complex	Vallers	55	50	70	85	97
Vb	Vallers-Parnell complex	Parnell	35	84	114	136	153
Vc	Vallers-Tonka complex	Vallers	55	50	70	85	97
Vc	Vallers-Tonka complex	Tonka	35	77	105	126	142
VdD	Vienna-Buse complex, 9 to 15 percent slopes	Vienna	50	70	96	116	131
VdD	Vienna-Buse complex, 9 to 15 percent slopes	Buse	30	36	52	64	74
VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Vienna	65	70	96	116	131
VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Lismore	25	75	103	123	139
VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Vienna	58	70	96	116	131
VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Lismore	32	75	103	123	139
VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Vienna	60	70	96	116	131
VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Lismore	30	75	103	123	139

South Dakota Lateral Effect Tables for Gregory County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 3 percent slopes	Agar	90	123	158	183	202
AaB	Agar silt loam, 3 to 6 percent slopes	Agar	90	123	158	183	202
AdC	Anselmo-Dunday complex, 3 to 9 percent slopes	Anselmo	60	62	73	76	barrier
AdC	Anselmo-Dunday complex, 3 to 9 percent slopes	Dunday	30	275	351	405	446
AhB	Anselmo-Holt fine sandy loams, 2 to 6 percent slopes	Anselmo	55	62	73	76	barrier
AhB	Anselmo-Holt fine sandy loams, 2 to 6 percent slopes	Holt	30	54	barrier	barrier	barrier
AhC	Anselmo-Holt fine sandy loams, 6 to 9 percent slopes	Anselmo	50	62	73	76	barrier
AhC	Anselmo-Holt fine sandy loams, 6 to 9 percent slopes	Holt	40	54	barrier	barrier	barrier
AtE	Anselmo-Tassel fine sandy loams, 6 to 25 percent slopes	Anselmo	60	62	73	76	barrier
AtE	Anselmo-Tassel fine sandy loams, 6 to 25 percent slopes	Tassel	30	barrier	barrier	barrier	barrier
BaE	Betts loam, 15 to 40 percent slopes	Betts	85	50	66	77	85
Bb	Bon silt loam	Bon	85	131	168	195	215
Bc	Bon silt loam, channeled	Bon	75	125	161	187	206
BlD	Boro-Lakoma silty clays, 9 to 15 percent slopes	Boro	50	81	105	122	135
BlD	Boro-Lakoma silty clays, 9 to 15 percent slopes	Lakoma	35	44	barrier	barrier	barrier
BmB	Boro-Millboro silty clays, 2 to 6 percent slopes	Boro	60	81	105	122	135
BmB	Boro-Millboro silty clays, 2 to 6 percent slopes	Millboro	35	74	97	113	124
BmC	Boro-Millboro silty clays, 6 to 9 percent slopes	Boro	60	81	105	122	135
BmC	Boro-Millboro silty clays, 6 to 9 percent slopes	Millboro	35	74	97	113	124
CaA	Carter-Capa complex, 0 to 3 percent slopes	Carter	55	93	120	139	154
CaA	Carter-Capa complex, 0 to 3 percent slopes	Capa	35	86	111	129	142
CbA	Carter-Promise complex, 0 to 3 percent slopes	Carter	60	93	120	139	154
CbA	Carter-Promise complex, 0 to 3 percent slopes	Promise	35	87	112	131	144
Cd	Cass fine sandy loam, channeled	Cass	90	97	126	146	161
CrC	Coly silt loam, 6 to 9 percent slopes	Coly	85	107	138	160	177
CrE	Coly silt loam, 9 to 25 percent slopes	Coly	80	107	138	160	177
DaA	Dunday loamy fine sand, 0 to 3 percent slopes	Dunday	90	275	351	405	446
Du	Durrstein silt loam	Durrstein	90	66	86	100	110
Fd	Fedora loam	Fedora	90	199	255	295	325
Ha	Haynie variant-Munjor complex	Haynie	55	156	200	231	255
Ha	Haynie variant-Munjor complex	Munjor	35	132	170	196	217
HoA	Holt fine sandy loam, 0 to 3 percent slopes	Holt	85	54	barrier	barrier	barrier
HoB	Holt fine sandy loam, 3 to 6 percent slopes	Holt	85	54	barrier	barrier	barrier
HoC	Holt fine sandy loam, 6 to 9 percent slopes	Holt	90	54	barrier	barrier	barrier
HoD	Holt fine sandy loam, 9 to 15 percent slopes	Holt	85	54	barrier	barrier	barrier
Ia	Inavale loamy sand	Inavale	90	234	299	345	380
InB	Inavale fine sand, 2 to 6 percent slopes	Inavale	85	135	173	201	222
Ix	Norway loamy fine sand	Norway	90	332	424	489	538
JaA	Jansen loam, 0 to 3 percent slopes	Jansen	85	398	507	585	643
JaB	Jansen loam, 3 to 6 percent slopes	Jansen	85	398	507	585	643
JaC	Jansen loam, 6 to 9 percent slopes	Jansen	90	398	507	585	643
JbA	Jansen-Brocksburg loams, 0 to 2 percent slopes	Jansen	65	398	507	585	643
JbA	Jansen-Brocksburg loams, 0 to 2 percent slopes	Brocksburg	25	360	459	530	583
Ko	Kolls clay	Kolls	90	62	81	95	105
LaB	Labu clay, 2 to 6 percent slopes	Labu	85	40	barrier	barrier	barrier
LaC	Labu clay, 6 to 9 percent clay	Labu	85	40	barrier	barrier	barrier
LaD	Labu clay, 9 to 15 percent slopes	Labu	85	40	barrier	barrier	barrier
LcF	Labu-Sansarc clays, 15 to 50 percent slopes	Labu	45	40	barrier	barrier	barrier
LcF	Labu-Sansarc clays, 15 to 50 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Lakoma	65	44	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
LwB	Lakoma-Wewela complex, 2 to 6 percent slopes	Lakoma	45	44	barrier	barrier	barrier
LwB	Lakoma-Wewela complex, 2 to 6 percent slopes	Wewela	30	47	barrier	barrier	barrier
LwC	Lakoma-Wewela complex, 6 to 9 percent slopes	Lakoma	50	44	barrier	barrier	barrier
LwC	Lakoma-Wewela complex, 6 to 9 percent slopes	Wewela	30	47	barrier	barrier	barrier
MaD	Mariaville loam, 6 to 15 percent slopes	Mariaville	100	barrier	barrier	barrier	barrier
MaF	Mariaville loam, 15 to 40 percent slopes	Mariaville	85	barrier	barrier	barrier	barrier
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Mariaville	40	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Gregory County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Labu	25	40	barrier	barrier	barrier
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Anselmo	15	62	73	76	barrier
MeC	Meadin sandy loam, 3 to 9 percent slopes	Meadin	90	234	299	345	380
MeE	Meadin sandy loam, 9 to 25 percent slopes	Meadin	75	234	299	345	380
MoA	Millboro silty clay, 0 to 2 percent slopes	Millboro	90	74	97	113	124
MoB	Millboro silty clay, 2 to 6 percent slopes	Millboro	90	74	97	113	124
MoC	Millboro silty clay, 6 to 9 percent slopes	Millboro	90	74	97	113	124
MpB	Millboro-Lakoma silty clays, 2 to 6 percent slopes	Millboro	55	74	97	113	124
MpB	Millboro-Lakoma silty clays, 2 to 6 percent slopes	Lakoma	35	44	barrier	barrier	barrier
MpC	Millboro-Lakoma silty clays, 6 to 9 percent slopes	Millboro	50	74	97	113	124
MpC	Millboro-Lakoma silty clays, 6 to 9 percent slopes	Lakoma	40	44	barrier	barrier	barrier
Mr	Mosher silt loam	Mosher	75	101	131	152	168
Ms	Mosher-Jerauld silt loams	Mosher	55	101	131	152	168
Ms	Mosher-Jerauld silt loams	Jerauld	30	65	84	98	109
ObE	Okaton-Lakoma silty clays, 15 to 50 percent slopes	Okaton	65	barrier	barrier	barrier	barrier
ObE	Okaton-Lakoma silty clays, 15 to 50 percent slopes	Lakoma	35	44	barrier	barrier	barrier
OcF	Okaton-Mariaville complex, 15 to 50 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OcF	Okaton-Mariaville complex, 15 to 50 percent slopes	Mariaville	30	barrier	barrier	barrier	barrier
OeC	O'Neill fine sandy loam, 3 to 9 percent slopes	O'Neill	90	278	356	411	452
On	Onita silt loam	Onita	90	106	136	158	175
Ot	Onita silt loam, moist	Onita	90	107	139	161	177
Pm	Platte loam	Platte	85	393	502	579	637
PrA	Promise clay, 0 to 3 percent slopes	Promise	90	87	112	131	144
PrB	Promise clay, 3 to 6 percent slopes	Promise	90	87	112	131	144
PrC	Promise clay, 6 to 9 percent slopes	Promise	100	87	112	131	144
RaA	Ree loam, 0 to 3 percent slopes	Ree	90	123	158	184	203
RaB	Ree loam, 3 to 6 percent slopes	Ree	90	123	158	184	203
RaC	Ree loam, 6 to 9 percent slopes	Ree	90	123	158	184	203
RbA	Ree loam, gravelly substratum, 0 to 2 percent slopes	Ree	85	405	516	595	655
RcC	Ree-Tassel complex, 3 to 9 percent slopes	Ree	70	123	158	184	203
RcC	Ree-Tassel complex, 3 to 9 percent slopes	Tassel	20	barrier	barrier	barrier	barrier
ReA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	85	100	129	150	166
ReB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	90	100	129	150	166
ReB2	Reliance silty clay loam, 2 to 6 percent slopes, eroded	Reliance	90	100	129	150	166
ReC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	100	129	150	166
ReC2	Reliance silty clay loam, 6 to 9 percent slopes, eroded	Reliance	90	100	129	150	165
ReD	Reliance silty clay loam, 9 to 15 percent slopes	Reliance	90	100	129	150	166
ReD2	Reliance silty clay loam, 9 to 15 percent slopes, eroded	Reliance	90	100	129	150	166
Rv	Riverwash	Riverwash	100	210	268	310	342
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
So	Scott silt loam	Scott	85	94	122	142	156
TrE	Tassel-Rock outcrop complex, 9 to 30 percent slopes	Tassel	70	barrier	barrier	barrier	barrier
UlA	Uly silt loam, 0 to 2 percent slopes	Uly	85	115	149	172	190
UlB	Uly silt loam, 2 to 6 percent slopes	Uly	85	115	149	172	190
VaC	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	85	264	337	390	429
VaD	Valentine loamy fine sand, 9 to 18 percent slopes	Valentine	85	264	337	390	429
Vt	Vetal fine sandy loam	Vetal	90	132	170	196	217
Wd	Wendte silty clay	Wendte	90	79	103	120	132
We	Wendte silty clay, channeled	Wendte	90	79	103	120	132
Wh	Whitelake fine sandy loam	Whitelake	90	86	112	130	144
Wn	Witten silty clay	Witten	99	96	124	144	159

South Dakota Lateral Effect Tables for Gregory County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 3 percent slopes	Agar	90	109	146	174	195
AaB	Agar silt loam, 3 to 6 percent slopes	Agar	90	109	146	174	195
AdC	Anselmo-Dunday complex, 3 to 9 percent slopes	Anselmo	60	59	72	76	barrier
AdC	Anselmo-Dunday complex, 3 to 9 percent slopes	Dunday	30	260	339	396	439
AhB	Anselmo-Holt fine sandy loams, 2 to 6 percent slopes	Anselmo	55	59	72	76	barrier
AhB	Anselmo-Holt fine sandy loams, 2 to 6 percent slopes	Holt	30	54	barrier	barrier	barrier
AhC	Anselmo-Holt fine sandy loams, 6 to 9 percent slopes	Anselmo	50	59	72	76	barrier
AhC	Anselmo-Holt fine sandy loams, 6 to 9 percent slopes	Holt	40	54	barrier	barrier	barrier
AtE	Anselmo-Tassel fine sandy loams, 6 to 25 percent slopes	Anselmo	60	59	72	76	barrier
AtE	Anselmo-Tassel fine sandy loams, 6 to 25 percent slopes	Tassel	30	barrier	barrier	barrier	barrier
BaE	Betts loam, 15 to 40 percent slopes	Betts	85	39	56	68	79
Bb	Bon silt loam	Bon	85	117	157	186	208
Bc	Bon silt loam, channeled	Bon	75	112	150	178	199
BlD	Boro-Lakoma silty clays, 9 to 15 percent slopes	Boro	50	69	94	113	128
BlD	Boro-Lakoma silty clays, 9 to 15 percent slopes	Lakoma	35	44	barrier	barrier	barrier
BmB	Boro-Millboro silty clays, 2 to 6 percent slopes	Boro	60	69	94	113	128
BmB	Boro-Millboro silty clays, 2 to 6 percent slopes	Millboro	35	62	86	104	118
BmC	Boro-Millboro silty clays, 6 to 9 percent slopes	Boro	60	69	94	113	128
BmC	Boro-Millboro silty clays, 6 to 9 percent slopes	Millboro	35	62	86	104	118
CaA	Carter-Capa complex, 0 to 3 percent slopes	Carter	55	80	109	130	147
CaA	Carter-Capa complex, 0 to 3 percent slopes	Capa	35	73	100	120	136
CbA	Carter-Promise complex, 0 to 3 percent slopes	Carter	60	80	109	130	147
CbA	Carter-Promise complex, 0 to 3 percent slopes	Promise	35	74	101	122	138
Cd	Cass fine sandy loam, channeled	Cass	90	84	114	137	154
CrC	Coly silt loam, 6 to 9 percent slopes	Coly	85	94	127	151	170
CrE	Coly silt loam, 9 to 25 percent slopes	Coly	80	94	127	151	170
DaA	Dunday loamy fine sand, 0 to 3 percent slopes	Dunday	90	260	339	396	439
Du	Durrstein silt loam	Durrstein	90	54	75	91	104
Fd	Fedora loam	Fedora	90	185	243	286	318
Ha	Haynie variant-Munjor complex	Haynie	55	141	188	222	248
Ha	Haynie variant-Munjor complex	Munjor	35	118	158	187	210
HoA	Holt fine sandy loam, 0 to 3 percent slopes	Holt	85	54	barrier	barrier	barrier
HoB	Holt fine sandy loam, 3 to 6 percent slopes	Holt	85	54	barrier	barrier	barrier
HoC	Holt fine sandy loam, 6 to 9 percent slopes	Holt	90	54	barrier	barrier	barrier
HoD	Holt fine sandy loam, 9 to 15 percent slopes	Holt	85	54	barrier	barrier	barrier
Ia	Inavale loamy sand	Inavale	90	219	287	336	373
InB	Inavale fine sand, 2 to 6 percent slopes	Inavale	85	121	162	192	215
Ix	Norway loamy fine sand	Norway	90	317	411	479	531
JaA	Jansen loam, 0 to 3 percent slopes	Jansen	85	382	495	575	636
JaB	Jansen loam, 3 to 6 percent slopes	Jansen	85	382	495	575	636
JaC	Jansen loam, 6 to 9 percent slopes	Jansen	90	382	495	575	636
JbA	Jansen-Brocksburg loams, 0 to 2 percent slopes	Jansen	65	382	495	575	636
JbA	Jansen-Brocksburg loams, 0 to 2 percent slopes	Brocksburg	25	345	447	520	575
Ko	Kolls clay	Kolls	90	51	71	86	98
LaB	Labu clay, 2 to 6 percent slopes	Labu	85	40	barrier	barrier	barrier
LaC	Labu clay, 6 to 9 percent clay	Labu	85	40	barrier	barrier	barrier
LaD	Labu clay, 9 to 15 percent slopes	Labu	85	40	barrier	barrier	barrier
LcF	Labu-Sansarc clays, 15 to 50 percent slopes	Labu	45	40	barrier	barrier	barrier
LcF	Labu-Sansarc clays, 15 to 50 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Lakoma	65	44	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
LwB	Lakoma-Wewela complex, 2 to 6 percent slopes	Lakoma	45	44	barrier	barrier	barrier
LwB	Lakoma-Wewela complex, 2 to 6 percent slopes	Wewela	30	45	barrier	barrier	barrier
LwC	Lakoma-Wewela complex, 6 to 9 percent slopes	Lakoma	50	44	barrier	barrier	barrier
LwC	Lakoma-Wewela complex, 6 to 9 percent slopes	Wewela	30	45	barrier	barrier	barrier
MaD	Mariaville loam, 6 to 15 percent slopes	Mariaville	100	barrier	barrier	barrier	barrier
MaF	Mariaville loam, 15 to 40 percent slopes	Mariaville	85	barrier	barrier	barrier	barrier
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Mariaville	40	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Gregory County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Labu	25	40	barrier	barrier	barrier
MdF	Mariaville-Labu-Anselmo complex, 15 to 40 percent slopes	Anselmo	15	59	72	76	barrier
MeC	Meadin sandy loam, 3 to 9 percent slopes	Meadin	90	219	287	336	373
MeE	Meadin sandy loam, 9 to 25 percent slopes	Meadin	75	219	287	336	373
MoA	Millboro silty clay, 0 to 2 percent slopes	Millboro	90	62	86	104	118
MoB	Millboro silty clay, 2 to 6 percent slopes	Millboro	90	62	86	104	118
MoC	Millboro silty clay, 6 to 9 percent slopes	Millboro	90	62	86	104	118
MpB	Millboro-Lakoma silty clays, 2 to 6 percent slopes	Millboro	55	62	86	104	118
MpB	Millboro-Lakoma silty clays, 2 to 6 percent slopes	Lakoma	35	44	barrier	barrier	barrier
MpC	Millboro-Lakoma silty clays, 6 to 9 percent slopes	Millboro	50	62	86	104	118
MpC	Millboro-Lakoma silty clays, 6 to 9 percent slopes	Lakoma	40	44	barrier	barrier	barrier
Mr	Mosher silt loam	Mosher	75	88	120	143	161
Ms	Mosher-Jerauld silt loams	Mosher	55	88	120	143	161
Ms	Mosher-Jerauld silt loams	Jerauld	30	53	74	90	102
ObE	Okaton-Lakoma silty clays, 15 to 50 percent slopes	Okaton	65	barrier	barrier	barrier	barrier
ObE	Okaton-Lakoma silty clays, 15 to 50 percent slopes	Lakoma	35	44	barrier	barrier	barrier
OcF	Okaton-Mariaville complex, 15 to 50 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OcF	Okaton-Mariaville complex, 15 to 50 percent slopes	Mariaville	30	barrier	barrier	barrier	barrier
OeC	O'Neill fine sandy loam, 3 to 9 percent slopes	O'Neill	90	264	343	401	445
On	Onita silt loam	Onita	90	93	125	149	168
Ot	Onita silt loam, moist	Onita	90	94	127	152	170
Pm	Platte loam	Platte	85	378	489	569	629
PrA	Promise clay, 0 to 3 percent slopes	Promise	90	74	101	122	138
PrB	Promise clay, 3 to 6 percent slopes	Promise	90	74	101	122	138
PrC	Promise clay, 6 to 9 percent slopes	Promise	100	74	101	122	138
RaA	Ree loam, 0 to 3 percent slopes	Ree	90	109	147	174	196
RaB	Ree loam, 3 to 6 percent slopes	Ree	90	109	147	174	196
RaC	Ree loam, 6 to 9 percent slopes	Ree	90	109	147	174	196
RbA	Ree loam, gravelly substratum, 0 to 2 percent slopes	Ree	85	389	504	586	647
RcC	Ree-Tassel complex, 3 to 9 percent slopes	Ree	70	109	147	174	196
RcC	Ree-Tassel complex, 3 to 9 percent slopes	Tassel	20	barrier	barrier	barrier	barrier
ReA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	85	87	118	141	159
ReB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	90	87	118	141	159
ReB2	Reliance silty clay loam, 2 to 6 percent slopes, eroded	Reliance	90	87	118	141	159
ReC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	87	118	141	159
ReC2	Reliance silty clay loam, 6 to 9 percent slopes, eroded	Reliance	90	87	117	140	158
ReD	Reliance silty clay loam, 9 to 15 percent slopes	Reliance	90	87	118	141	159
ReD2	Reliance silty clay loam, 9 to 15 percent slopes, eroded	Reliance	90	87	118	141	159
Rv	Riverwash	Riverwash	100	195	256	301	334
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
So	Scott silt loam	Scott	85	81	111	133	150
TrE	Tassel-Rock outcrop complex, 9 to 30 percent slopes	Tassel	70	barrier	barrier	barrier	barrier
UlA	Uly silt loam, 0 to 2 percent slopes	Uly	85	102	137	163	183
UlB	Uly silt loam, 2 to 6 percent slopes	Uly	85	102	137	163	183
VaC	Valentine loamy fine sand, 3 to 9 percent slopes	Valentine	85	249	325	380	421
VaD	Valentine loamy fine sand, 9 to 18 percent slopes	Valentine	85	249	325	380	421
Vt	Vetal fine sandy loam	Vetal	90	118	158	187	210
Wd	Wendte silty clay	Wendte	90	67	92	111	126
We	Wendte silty clay, channeled	Wendte	90	67	92	111	126
Wh	Whitelake fine sandy loam	Whitelake	90	74	101	121	137
Wn	Witten silty clay	Witten	99	83	113	135	152

South Dakota Lateral Effect Tables for Hamlin County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	85	266	339	392	431
Ba	Badger silty clay loam	Badger	85	77	100	116	128
BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	65	84	98	109
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	65	71	92	107	119
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	49	65	76	84
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	71	92	107	119
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	49	65	76	84
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	71	92	107	119
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	30	49	65	76	84
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	20	97	125	145	160
BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Barnes	75	71	92	107	119
BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Vienna	15	81	104	122	134
BrA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	117	150	174	192
BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	117	150	174	192
Bs	Brookings silty clay loam	Brookings	85	78	101	118	130
BtD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	49	65	76	84
BtD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	71	92	107	119
BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	49	65	76	84
BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	71	92	107	119
BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	60	49	65	76	84
BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	71	92	107	119
BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	49	65	76	84
BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	120	154	179	197
BxE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	49	65	76	84
BxE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	44	58	68	75
ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	50	49	65	76	84
ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	35	76	99	115	128
ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	49	65	76	84
ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	76	99	115	128
Ca	Castlewood silty clay	Castlewood	85	119	153	177	195
Co	Colvin-Oldham silty clay loams	Colvin	50	91	117	136	150
Co	Colvin-Oldham silty clay loams	Oldham	40	81	105	122	135
Cu	Cubden-Badger silty clay loams	Cubden	60	86	111	129	143
Cu	Cubden-Badger silty clay loams	Badger	30	77	100	116	128
Cx	Cubden-Tonka silty clay loams	Cubden	60	86	111	129	143
Cx	Cubden-Tonka silty clay loams	Tonka	30	68	88	103	114
Dv	Divide loam	Divide	85	484	617	712	783
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	180	231	267	294
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	99	127	148	163
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	55	180	231	267	294
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	35	237	304	351	386
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	85	199	255	294	324
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	199	255	294	324
Fa	Fairdale loam, channeled	Fairdale	75	118	152	176	194
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	85	469	598	690	759
FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	65	469	598	690	759
FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	25	256	328	379	417
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	94	122	141	156
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	94	122	141	156
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	73	95	110	122
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	78	101	118	130
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	73	95	110	122
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	78	101	118	130
La	La Prairie loam	La Prairie	85	90	116	134	149
Ld	LaDelle silt loam	LaDelle	85	108	140	162	179
Lm	Lamoure silty clay loam	Lamoure	85	120	154	179	197

South Dakota Lateral Effect Tables for Hamlin County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	120	154	179	197
Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	127	163	189	208
Lw	Lowe loam	Lowe	85	81	105	122	135
Ma	Marysland loam	Marysland	85	484	616	711	782
MbA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	63	82	96	106
Mc	McIntosh-Badger silty clay loams	McIntosh	50	74	96	112	123
Mc	McIntosh-Badger silty clay loams	Badger	35	77	100	116	128
Mn	Minnewaukan loamy sand	Minnewaukan	85	348	444	512	563
Mz	Moritz-Lamoure complex	Moritz	50	98	127	147	162
Mz	Moritz-Lamoure complex	Lamoure	40	120	154	179	197
Oh	Oldham silty clay loam	Oldham	85	81	105	122	135
Pa	Parnell silty clay loam	Parnell	85	95	123	143	158
Pm	Playmoor silty clay loam	Playmoor	85	114	146	170	187
PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Poinsett	55	76	99	115	128
PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Buse	30	49	65	76	84
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	76	99	115	128
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	49	65	76	84
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	79	103	120	132
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	76	99	115	128
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	49	65	76	84
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	79	103	120	132
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	76	99	115	128
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	79	103	120	132
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	70	76	99	115	128
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	79	103	120	132
Ra	Rauville silty clay loam	Rauville	85	127	163	189	208
ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	85	256	328	379	417
ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	256	328	379	417
RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Renshaw	50	256	328	379	417
RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Brandt	35	117	150	174	192
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	55	256	328	379	417
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	35	403	514	593	652
SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	403	514	593	652
SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	256	328	379	417
So	Southam silty clay loam	Southam	85	77	100	117	129
Sp	Spottswood loam	Spottswood	85	190	244	282	311
StB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	248	317	366	403
To	Tonka silty clay loam	Tonka	85	68	88	103	114
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	81	104	122	134
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	78	101	118	130
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	81	104	122	134
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	15	78	101	118	130
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	70	81	104	122	134
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	20	49	65	76	84
Wa	Waubay silty clay loam	Waubay	85	79	103	120	132

South Dakota Lateral Effect Tables for Hamlin County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	85	251	327	382	424
Ba	Badger silty clay loam	Badger	85	64	89	107	122
BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	53	74	90	102
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	65	59	81	99	112
BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	38	55	67	78
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	59	81	99	112
BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	38	55	67	78
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	59	81	99	112
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	30	38	55	67	78
BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	20	84	114	136	153
BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Barnes	75	59	81	99	112
BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Vienna	15	68	94	113	128
BrA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	103	139	165	186
BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	103	139	165	186
Bs	Brookings silty clay loam	Brookings	85	66	90	109	124
BtD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	38	55	67	78
BtD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	59	81	99	112
BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	38	55	67	78
BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	59	81	99	112
BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	60	38	55	67	78
BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	59	81	99	112
BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	38	55	67	78
BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	106	143	169	190
BxE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	38	55	67	78
BxE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	33	48	60	69
ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	50	38	55	67	78
ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	35	64	88	107	121
ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	38	55	67	78
ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	64	88	107	121
Ca	Castlewood silty clay	Castlewood	85	105	141	168	188
Co	Colvin-Oldham silty clay loams	Colvin	50	78	106	127	144
Co	Colvin-Oldham silty clay loams	Oldham	40	68	94	113	128
Cu	Cubden-Badger silty clay loams	Cubden	60	73	100	120	136
Cu	Cubden-Badger silty clay loams	Badger	30	64	89	107	122
Cx	Cubden-Tonka silty clay loams	Cubden	60	73	100	120	136
Cx	Cubden-Tonka silty clay loams	Tonka	30	56	78	94	107
Dv	Divide loam	Divide	85	469	605	702	775
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	166	219	258	287
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	85	116	139	156
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	55	166	219	258	287
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	35	223	292	341	379
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	85	184	242	285	317
EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	184	242	285	317
Fa	Fairdale loam, channeled	Fairdale	75	104	140	167	187
FdA	Fordville loam, 0 to 2 percent slopes	Fordville	85	454	586	680	751
FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	65	454	586	680	751
FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	25	242	316	369	410
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	81	111	132	149
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	81	111	132	149
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	61	84	101	115
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	66	90	109	124
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	61	84	101	115
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	66	90	109	124
La	La Prairie loam	La Prairie	85	77	105	125	142
Ld	LaDelle silt loam	LaDelle	85	95	128	153	172
Lm	Lamoure silty clay loam	Lamoure	85	106	143	169	190

South Dakota Lateral Effect Tables for Hamlin County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	106	143	169	190
Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	113	151	180	201
Lw	Lowe loam	Lowe	85	68	94	113	128
Ma	Marysland loam	Marysland	85	468	604	701	774
MbA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	51	72	88	100
Mc	McIntosh-Badger silty clay loams	McIntosh	50	61	85	103	117
Mc	McIntosh-Badger silty clay loams	Badger	35	64	89	107	122
Mn	Minnewaukan loamy sand	Minnewaukan	85	332	431	502	556
Mz	Moritz-Lamoure complex	Moritz	50	85	115	138	155
Mz	Moritz-Lamoure complex	Lamoure	40	106	143	169	190
Oh	Oldham silty clay loam	Oldham	85	68	94	113	128
Pa	Parnell silty clay loam	Parnell	85	82	112	134	151
Pm	Playmoor silty clay loam	Playmoor	85	100	135	160	180
PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Poinsett	55	64	88	107	121
PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Buse	30	38	55	67	78
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	64	88	107	121
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	38	55	67	78
PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	67	92	111	126
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	64	88	107	121
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	38	55	67	78
PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	67	92	111	126
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	64	88	107	121
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	67	92	111	126
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	70	64	88	107	121
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	67	92	111	126
Ra	Rauville silty clay loam	Rauville	85	113	151	180	201
ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	85	242	316	369	410
ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	242	316	369	410
RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Renshaw	50	242	316	369	410
RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Brandt	35	103	139	165	186
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	55	242	316	369	410
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	35	388	502	583	645
SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	388	502	583	645
SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	242	316	369	410
So	Southam silty clay loam	Southam	85	65	89	108	122
Sp	Spottswood loam	Spottswood	85	176	232	272	303
StB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	233	305	356	396
To	Tonka silty clay loam	Tonka	85	56	78	94	107
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	68	94	113	128
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	66	90	109	124
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	68	94	113	128
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	15	66	90	109	124
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	70	68	94	113	128
VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	20	38	55	67	78
Wa	Waubay silty clay loam	Waubay	85	67	92	111	126

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ag	Highmore silt loam	Highmore	60	77	100	117	129
Ag	Highmore silt loam	Eakin	20	83	107	124	138
BcA	Prosper-Stickney loams, nearly level	Prosper	60	77	99	116	128
BcA	Prosper-Stickney loams, nearly level	Stickney	25	71	93	108	119
BhA	Prosper-Houdek loams, nearly level	Prosper	50	77	99	116	128
BhA	Prosper-Houdek loams, nearly level	Houdek	35	72	93	109	120
CaA	Dudley silt loam, nearly level	Dudley	70	97	126	146	161
CcA	Dudley-Stickney silt loams, nearly level	Dudley	50	97	126	146	161
CcA	Dudley-Stickney silt loams, nearly level	Stickney	35	71	93	108	119
CeA	DeGrey-Eakin silt loams, nearly level	DeGrey	60	99	128	148	164
CeA	DeGrey-Eakin silt loams, nearly level	Eakin	25	83	107	124	138
ChA	Dudley-Houdek loams, nearly level	Dudley	50	80	104	121	134
ChA	Dudley-Houdek loams, nearly level	Houdek	35	72	93	109	120
ChB	Dudley-Houdek loams, undulating	Dudley	50	80	104	121	134
ChB	Dudley-Houdek loams, undulating	Houdek	40	72	93	109	120
CmA	Cavo-Raber silt loams, nearly level	Cavo	50	100	129	150	165
CmA	Cavo-Raber silt loams, nearly level	Raber	35	53	70	81	90
CnA	Cavo-Glenham loams, nearly level	Cavo	50	82	107	124	137
CnA	Cavo-Glenham loams, nearly level	Glenham	30	59	76	89	99
CrA	Stickney-Prosper loams, nearly level	Stickney	50	71	93	108	119
CrA	Stickney-Prosper loams, nearly level	Prosper	35	77	99	116	128
CsA	Stickney-Dudley silt loams, nearly level	Stickney	50	71	93	108	119
CsA	Stickney-Dudley silt loams, nearly level	Dudley	40	97	126	146	161
EaA	Eakin silt loam, nearly level	Eakin	80	83	107	124	138
EaB	Eakin silt loam, undulating	Eakin	80	83	107	124	138
EcA	Eakin-DeGrey silt loams, nearly level	Eakin	50	83	107	124	138
EcA	Eakin-DeGrey silt loams, nearly level	DeGrey	35	99	128	148	164
EcB	Eakin-DeGrey silt loams, undulating	Eakin	55	83	107	124	138
EcB	Eakin-DeGrey silt loams, undulating	DeGrey	30	99	128	148	164
EmA	Eakin-Jerauld silt loams, nearly level	Eakin	50	83	107	124	138
EmA	Eakin-Jerauld silt loams, nearly level	Jerauld	30	66	86	100	111
EmB	Eakin-Jerauld silt loams, undulating	Eakin	60	83	107	124	138
EmB	Eakin-Jerauld silt loams, undulating	Jerauld	20	66	86	100	111
ErA	Eakin-Raber complex, nearly level	Eakin	60	83	107	124	138
ErA	Eakin-Raber complex, nearly level	Raber	20	50	65	76	84
ErB	Eakin-Raber complex, undulating	Eakin	60	83	107	124	138
ErB	Eakin-Raber complex, undulating	Raber	20	50	65	76	84
EsA	Jerauld silty clay, level	Jerauld	99	63	82	95	106
EtA	Durrstein silty clay loam, nearly level	Durrstein	65	60	78	91	101
EvA	Jerauld-Lane silty clay loams, nearly level	Jerauld	60	64	83	97	107
EvA	Jerauld-Lane silty clay loams, nearly level	Lane	39	82	107	124	137
ExA	Jerauld-Lane silty clays, level	Jerauld	60	63	82	95	106
ExA	Jerauld-Lane silty clays, level	Lane	39	74	96	111	123
GaA	Davis silt loam, nearly level	Davis	100	120	154	179	197
GaB	Davis silt loam, gently sloping	Davis	100	120	154	179	197
HaA	Davison loam, nearly level	Davison	99	94	121	141	155
HbA	Hand loam, nearly level	Hand	99	105	135	157	173
HbB	Hand loam, undulating	Hand	99	105	135	157	173
HcA	Durrstein silt loam, nearly level	Durrstein	90	62	80	94	104
HdA	Durrstein-Bon complex, nearly level	Durrstein	50	60	78	91	101
HdA	Durrstein-Bon complex, nearly level	Bon	25	135	174	201	222
HeA	Durrstein-Lane silty clay loams, nearly level	Durrstein	60	60	78	91	101
HeA	Durrstein-Lane silty clay loams, nearly level	Lane	40	82	107	124	137
Hg	Talmo gravelly loam	Talmo	100	494	630	726	798
HhA	Houdek loam, nearly level	Houdek	99	72	93	109	120
HhB	Houdek loam, undulating	Houdek	99	72	93	109	120
HhC	Houdek loam, rolling	Houdek	99	72	93	109	120
HkA	Houdek-Prosper loams, nearly level	Houdek	50	72	93	108	120
HkA	Houdek-Prosper loams, nearly level	Prosper	35	77	99	116	128
HkB	Houdek-Prosper loams, undulating	Houdek	50	72	93	109	120
HkB	Houdek-Prosper loams, undulating	Prosper	35	79	103	119	132
HlA	Houdek-Dudley loams, nearly level	Houdek	50	72	93	109	120

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
HlA	Houdek-Dudley loams, nearly level	Dudley	35	80	104	121	134
HlB	Houdek-Dudley loams, undulating	Houdek	50	72	93	109	120
HlB	Houdek-Dudley loams, undulating	Dudley	35	80	104	121	134
HmA	Houdek-Jerauld complex, nearly level	Houdek	45	72	93	109	120
HmA	Houdek-Jerauld complex, nearly level	Jerauld	30	66	86	100	111
HmB	Houdek-Jerauld complex, undulating	Houdek	50	72	93	109	120
HmB	Houdek-Jerauld complex, undulating	Jerauld	25	66	86	100	111
HsB	Houdek-Delmont loams, undulating	Houdek	60	72	93	109	120
HsB	Houdek-Delmont loams, undulating	Delmont	30	536	682	787	865
HsC	Houdek-Delmont loams, rolling	Houdek	60	72	93	109	120
HsC	Houdek-Delmont loams, rolling	Delmont	30	536	682	787	865
HsD	Houdek-Talmo complex, hilly	Houdek	60	72	93	109	120
HsD	Houdek-Talmo complex, hilly	Talmo	30	525	669	772	848
HtD	Houdek-Ethan loams, rolling	Houdek	60	72	93	109	120
HtD	Houdek-Ethan loams, rolling	Ethan	30	64	83	97	107
HuD	Houdek-Ethan loams, rolling	Houdek	60	72	93	109	120
HuD	Houdek-Ethan loams, rolling	Ethan	30	64	83	97	107
Hv	Hoven silty clay loam	Hoven	100	87	113	131	145
HyA	Hurley-Promise silty clays, nearly level	Hurley	60	63	82	96	106
HyA	Hurley-Promise silty clays, nearly level	Promise	39	98	127	147	163
LaA	Davis loam, nearly level	Davis	98	106	137	158	175
LbA	Bon silt loam, nearly level	Bon	98	135	174	201	222
LcA	Bon silt loam, nearly level	Bon	98	135	174	201	222
LdA	Davis silt loam, fans, nearly level	Davis	98	120	154	179	197
LeA	Bon-Northville complex, nearly level	Bon	79	135	174	201	222
LeA	Bon-Northville complex, nearly level	Northville	20	108	139	161	178
LlA	Bon-Lamo silt loams, nearly level	Bon	58	135	174	201	222
LlA	Bon-Lamo silt loams, nearly level	Lamo	40	89	116	134	148
LmA	Lamo silty clay loam, nearly level	Lamo	98	85	111	128	142
LnB	Lane loam, gently sloping	Lane	90	84	109	127	140
LoA	Lane silty clay, nearly level	Lane	99	74	96	111	123
LpA	Lane-Jerauld silty clay loams, nearly level	Lane	69	82	107	124	137
LpA	Lane-Jerauld silty clay loams, nearly level	Jerauld	30	64	83	97	107
LrA	Lane-Jerauld silty clays, level	Lane	69	74	96	111	123
LrA	Lane-Jerauld silty clays, level	Jerauld	30	63	82	95	106
LsA	Lane-Durrstein silty clay loams, nearly level	Lane	60	82	107	124	137
LsA	Lane-Durrstein silty clay loams, nearly level	Durrstein	40	60	78	91	101
LtD	Sansarc-Opal silty clays, hilly	Sansarc	40	barrier	barrier	barrier	barrier
LtD	Sansarc-Opal silty clays, hilly	Opal	30	47	barrier	barrier	barrier
Ma	Doger loamy sand	Doger	100	252	322	372	410
McA	Hoven silty clay loam	Hoven	100	87	113	131	145
MdA	Jerauld silt loam, nearly level	Jerauld	80	66	86	100	111
MeA	Jerauld-Eakin silt loam, nearly level	Jerauld	60	66	86	100	111
MeA	Jerauld-Eakin silt loam, nearly level	Eakin	30	83	107	124	138
MhA	Jerauld-Houdek complex, nearly level	Jerauld	50	66	86	100	111
MhA	Jerauld-Houdek complex, nearly level	Houdek	30	75	97	113	125
MhB	Jerauld-Houdek complex, undulating	Jerauld	50	66	86	100	111
MhB	Jerauld-Houdek complex, undulating	Houdek	30	75	97	113	125
MrA	Jerauld-Raber complex, nearly level	Jerauld	50	66	86	100	111
MrA	Jerauld-Raber complex, nearly level	Raber	30	50	65	76	84
MrB	Jerauld-Raber complex, undulating	Jerauld	50	66	86	100	111
MrB	Jerauld-Raber complex, undulating	Raber	30	50	65	76	84
MwA	Jerauld-Glenham complex, nearly level	Jerauld	50	66	86	100	111
MwA	Jerauld-Glenham complex, nearly level	Glenham	30	57	74	87	96
MyB	Mondamin silty clay loam, gently sloping	Mondamin	100	89	115	134	148
OaA	Oahe loam, nearly level	Oahe	100	480	612	706	776
OaB	Oahe loam, undulating	Oahe	100	480	612	706	776
OhA	Oahe-Delmont loams, nearly level	Oahe	65	480	612	706	776
OhA	Oahe-Delmont loams, nearly level	Delmont	35	536	682	787	865
OhB	Oahe-Delmont loams, undulating	Oahe	60	480	612	706	776
OhB	Oahe-Delmont loams, undulating	Delmont	40	536	682	787	865
OrA	Promise silty clay, nearly level	Promise	99	98	127	147	163
OrB	Promise silty clay, gently sloping	Promise	100	99	128	148	164

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
PrB	Promise silty clay, gently sloping	Promise	100	99	128	148	164
PrC	Promise silty clay, sloping	Promise	100	99	128	148	164
PrD	Promise silty clay, moderately steep	Promise	100	99	128	148	164
RaA	Raber loam, nearly level	Raber	99	50	65	76	84
RaB	Raber loam, undulating	Raber	99	50	65	76	84
RaC	Raber loam, rolling	Raber	98	50	65	76	84
RcA	Raber-Cavo loams, nearly level	Raber	60	50	65	76	84
RcA	Raber-Cavo loams, nearly level	Cavo	30	82	107	124	137
RcB	Raber-Cavo loams, undulating	Raber	70	50	65	76	84
RcB	Raber-Cavo loams, undulating	Cavo	20	82	107	124	137
ReA	Raber-Eakin complex, nearly level	Raber	60	50	65	76	84
ReA	Raber-Eakin complex, nearly level	Eakin	30	83	107	124	138
ReB	Raber-Eakin complex, undulating	Raber	70	50	65	76	84
ReB	Raber-Eakin complex, undulating	Eakin	20	83	107	124	138
ReC	Raber-Eakin complex, rolling	Raber	69	50	65	76	84
ReC	Raber-Eakin complex, rolling	Eakin	30	83	107	124	138
RmA	Raber-Jerauld complex, nearly level	Raber	60	50	65	76	84
RmA	Raber-Jerauld complex, nearly level	Jerauld	30	66	86	100	111
RmB	Raber-Jerauld complex, undulating	Raber	70	50	65	76	84
RmB	Raber-Jerauld complex, undulating	Jerauld	20	66	86	100	111
RpC	Raber-Peno loams, rolling	Raber	55	50	65	76	84
RpC	Raber-Peno loams, rolling	Peno	30	47	62	72	80
RrC	Raber-Peno loams, rolling	Raber	60	50	65	76	84
RrC	Raber-Peno loams, rolling	Peno	30	47	62	72	80
Rs	Talmo gravelly sandy loam	Talmo	100	376	479	553	608
Ru	Betts loam	Betts	75	71	92	107	118
Sa	Egas silty clay loam	Egas	99	79	102	119	132
Sm	Delmont loam	Delmont	100	536	682	787	865
So	Delmont-Oahe loams	Delmont	65	536	682	787	865
So	Delmont-Oahe loams	Oahe	35	480	612	706	776
Sw	Delmont-Enet loams	Delmont	65	536	682	787	865
Sw	Delmont-Enet loams	Enet	35	560	714	823	904
SxA	Dimo loam, nearly level	Dimo	100	288	368	425	468
SyA	Dimo loam, nearly level	Dimo	100	288	368	425	468
Tp	Worthing silt loam, poorly drained	Worthing	100	89	115	133	147
Tw	Tetonka silt loam	Tetonka	100	106	137	159	175
WeA	Enet loam, nearly level	Enet	100	560	714	823	904
WeB	Enet loam, undulating	Enet	100	560	714	823	904
WgA	Enet-Delmont loams, nearly level	Enet	65	560	714	823	904
WgA	Enet-Delmont loams, nearly level	Delmont	35	536	682	787	865
WgB	Enet-Delmont loams, undulating	Enet	65	560	714	823	904
WgB	Enet-Delmont loams, undulating	Delmont	35	536	682	787	865
WmB	Glenham loam, undulating	Glenham	99	59	76	89	99
WmC	Glenham loam, rolling	Glenham	99	59	76	89	99
WnA	Glenham-Prosper loams, nearly level	Glenham	59	59	76	89	99
WnA	Glenham-Prosper loams, nearly level	Prosper	40	79	103	119	132
WnB	Glenham-Prosper loams, undulating	Glenham	64	59	76	89	99
WnB	Glenham-Prosper loams, undulating	Prosper	35	79	103	119	132
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	100	70	92	107	118
Wp	Worthing silty clay loam, ponded, 0 to 1 percent slopes	Worthing	100	78	102	118	131
WpA	Glenham-Cavo loams, nearly level	Glenham	50	59	76	89	99
WpA	Glenham-Cavo loams, nearly level	Cavo	30	82	107	124	137
WpB	Glenham-Cavo loams, undulating	Glenham	50	59	76	89	99
WpB	Glenham-Cavo loams, undulating	Cavo	30	82	107	124	137
WrA	Glenham-Eakin complex, undulating	Glenham	59	59	76	89	99
WrA	Glenham-Eakin complex, undulating	Eakin	40	83	107	124	138
WsA	Glenham-Jerauld complex, nearly level	Glenham	50	59	76	89	99
WsA	Glenham-Jerauld complex, nearly level	Jerauld	30	66	86	100	111
WsB	Glenham-Jerauld complex, undulating	Glenham	60	59	76	89	99
WsB	Glenham-Jerauld complex, undulating	Jerauld	20	66	86	100	111
WuB	Glenham-Delmont loams, undulating	Glenham	60	59	76	89	99
WuB	Glenham-Delmont loams, undulating	Delmont	30	536	682	787	865
WuC	Glenham-Delmont loams, rolling	Glenham	55	59	76	89	99

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WuC	Glenham-Delmont loams, rolling	Delmont	35	536	682	787	865
WuD	Glenham-Talmo loams, hilly	Glenham	55	59	76	89	99
WuD	Glenham-Talmo loams, hilly	Talmo	35	527	672	775	852
WxC	Glenham-Java loams, rolling	Glenham	60	59	76	89	99
WxC	Glenham-Java loams, rolling	Java	30	76	99	115	127
WzC	Glenham-Java loams, rolling	Glenham	60	59	76	89	99
WzC	Glenham-Java loams, rolling	Java	35	76	99	115	127
ZaD	Ethan-Houdek loams, hilly	Ethan	50	68	89	103	114
ZaD	Ethan-Houdek loams, hilly	Houdek	30	72	93	108	120
ZhD	Ethan-Houdek loams, hilly	Ethan	50	68	89	103	114
ZhD	Ethan-Houdek loams, hilly	Houdek	30	72	93	109	120
ZhE	Betts-Ethan loams, steep	Betts	60	71	92	107	118
ZhE	Betts-Ethan loams, steep	Ethan	35	68	89	103	114
ZmD	Peno-Raber loams, hilly	Peno	50	47	62	72	80
ZmD	Peno-Raber loams, hilly	Raber	30	50	65	76	84
ZmE	Gettys-Peno complex, steep	Gettys	50	48	62	73	81
ZmE	Gettys-Peno complex, steep	Peno	30	47	62	72	80
ZrD	Peno-Raber loams, hilly	Peno	50	47	62	72	80
ZrD	Peno-Raber loams, hilly	Raber	30	50	65	76	84
ZrE	Gettys-Peno complex, steep	Gettys	50	48	62	73	81
ZrE	Gettys-Peno complex, steep	Peno	30	47	62	72	80
ZsD	Betts-Talmo loams, hilly	Betts	55	71	92	107	118
ZsD	Betts-Talmo loams, hilly	Talmo	25	527	672	775	852
ZsE	Betts-talmo loams, steep	Betts	60	71	92	107	118
ZsE	Betts-talmo loams, steep	Talmo	20	527	672	775	852
ZxD	Java-Glenham loams, hilly	Java	50	76	99	115	127
ZxD	Java-Glenham loams, hilly	Glenham	30	59	76	89	99
ZxE	Betts-Java loams, steep	Betts	50	71	92	107	118
ZxE	Betts-Java loams, steep	Java	30	76	99	115	127
ZyD	Java-Glenham loams, hilly	Java	50	76	99	115	127
ZyD	Java-Glenham loams, hilly	Glenham	30	59	76	89	99
ZyE	Betts-Java loams, steep	Betts	50	73	95	111	122
ZyE	Betts-Java loams, steep	Java	30	76	99	115	127

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ag	Highmore silt loam	Highmore	60	65	89	108	122
Ag	Highmore silt loam	Eakin	20	70	96	115	131
BcA	Prosper-Stickney loams, nearly level	Prosper	60	64	89	107	121
BcA	Prosper-Stickney loams, nearly level	Stickney	25	59	82	99	113
BhA	Prosper-Houdek loams, nearly level	Prosper	50	64	89	107	121
BhA	Prosper-Houdek loams, nearly level	Houdek	35	60	82	100	113
CaA	Dudley silt loam, nearly level	Dudley	70	84	114	137	154
CcA	Dudley-Stickney silt loams, nearly level	Dudley	50	84	114	137	154
CcA	Dudley-Stickney silt loams, nearly level	Stickney	35	59	82	99	113
CeA	DeGrey-Eakin silt loams, nearly level	DeGrey	60	86	117	139	157
CeA	DeGrey-Eakin silt loams, nearly level	Eakin	25	70	96	115	131
ChA	Dudley-Houdek loams, nearly level	Dudley	50	68	93	112	127
ChA	Dudley-Houdek loams, nearly level	Houdek	35	60	82	100	113
ChB	Dudley-Houdek loams, undulating	Dudley	50	68	93	112	127
ChB	Dudley-Houdek loams, undulating	Houdek	40	60	82	100	113
CmA	Cavo-Raber silt loams, nearly level	Cavo	50	87	118	141	159
CmA	Cavo-Raber silt loams, nearly level	Raber	35	42	60	73	84
CnA	Cavo-Glenham loams, nearly level	Cavo	50	70	96	115	130
CnA	Cavo-Glenham loams, nearly level	Glenham	30	47	66	81	92
CrA	Stickney-Prosper loams, nearly level	Stickney	50	59	82	99	113
CrA	Stickney-Prosper loams, nearly level	Prosper	35	64	89	107	121
CsA	Stickney-Dudley silt loams, nearly level	Stickney	50	59	82	99	113
CsA	Stickney-Dudley silt loams, nearly level	Dudley	40	84	114	137	154
EaA	Eakin silt loam, nearly level	Eakin	80	70	96	115	131
EaB	Eakin silt loam, undulating	Eakin	80	70	96	115	131
EcA	Eakin-DeGrey silt loams, nearly level	Eakin	50	70	96	115	131
EcA	Eakin-DeGrey silt loams, nearly level	DeGrey	35	86	117	139	157
EcB	Eakin-DeGrey silt loams, undulating	Eakin	55	70	96	115	131
EcB	Eakin-DeGrey silt loams, undulating	DeGrey	30	86	117	139	157
EmA	Eakin-Jerauld silt loams, nearly level	Eakin	50	70	96	115	131
EmA	Eakin-Jerauld silt loams, nearly level	Jerauld	30	54	76	92	105
EmB	Eakin-Jerauld silt loams, undulating	Eakin	60	70	96	115	131
EmB	Eakin-Jerauld silt loams, undulating	Jerauld	20	54	76	92	105
ErA	Eakin-Raber complex, nearly level	Eakin	60	70	96	115	131
ErA	Eakin-Raber complex, nearly level	Raber	20	39	55	68	78
ErB	Eakin-Raber complex, undulating	Eakin	60	70	96	115	131
ErB	Eakin-Raber complex, undulating	Raber	20	39	55	68	78
EsA	Jerauld silty clay, level	Jerauld	99	51	71	87	99
EtA	Durrstein silty clay loam, nearly level	Durrstein	65	48	68	83	95
EvA	Jerauld-Lane silty clay loams, nearly level	Jerauld	60	52	73	88	101
EvA	Jerauld-Lane silty clay loams, nearly level	Lane	39	70	96	115	130
ExA	Jerauld-Lane silty clays, level	Jerauld	60	51	71	87	99
ExA	Jerauld-Lane silty clays, level	Lane	39	61	85	102	116
GaA	Davis silt loam, nearly level	Davis	100	106	143	170	190
GaB	Davis silt loam, gently sloping	Davis	100	106	143	170	190
HaA	Davison loam, nearly level	Davison	99	81	110	131	148
HbA	Hand loam, nearly level	Hand	99	92	124	148	166
HbB	Hand loam, undulating	Hand	99	92	124	148	166
HcA	Durrstein silt loam, nearly level	Durrstein	90	50	70	85	97
HdA	Durrstein-Bon complex, nearly level	Durrstein	50	48	68	83	95
HdA	Durrstein-Bon complex, nearly level	Bon	25	121	162	192	215
HeA	Durrstein-Lane silty clay loams, nearly level	Durrstein	60	48	68	83	95
HeA	Durrstein-Lane silty clay loams, nearly level	Lane	40	70	96	115	130
Hg	Talmo gravelly loam	Talmo	100	479	617	716	791
HhA	Houdek loam, nearly level	Houdek	99	60	82	100	113
HhB	Houdek loam, undulating	Houdek	99	60	82	100	113
HhC	Houdek loam, rolling	Houdek	99	60	82	100	113
HkA	Houdek-Prosper loams, nearly level	Houdek	50	59	82	100	113
HkA	Houdek-Prosper loams, nearly level	Prosper	35	64	89	107	121
HkB	Houdek-Prosper loams, undulating	Houdek	50	60	82	100	113
HkB	Houdek-Prosper loams, undulating	Prosper	35	67	92	111	125
HlA	Houdek-Dudley loams, nearly level	Houdek	50	60	82	100	113

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HlA	Houdek-Dudley loams, nearly level	Dudley	35	68	93	112	127
HlB	Houdek-Dudley loams, undulating	Houdek	50	60	82	100	113
HlB	Houdek-Dudley loams, undulating	Dudley	35	68	93	112	127
HmA	Houdek-Jerauld complex, nearly level	Houdek	45	60	82	100	113
HmA	Houdek-Jerauld complex, nearly level	Jerauld	30	54	76	92	105
HmB	Houdek-Jerauld complex, undulating	Houdek	50	60	82	100	113
HmB	Houdek-Jerauld complex, undulating	Jerauld	25	54	76	92	105
HsB	Houdek-Delmont loams, undulating	Houdek	60	60	82	100	113
HsB	Houdek-Delmont loams, undulating	Delmont	30	520	670	777	858
HsC	Houdek-Delmont loams, rolling	Houdek	60	60	82	100	113
HsC	Houdek-Delmont loams, rolling	Delmont	30	520	670	777	858
HsD	Houdek-Talmo complex, hilly	Houdek	60	60	82	100	113
HsD	Houdek-Talmo complex, hilly	Talmo	30	510	657	762	841
HtD	Houdek-Ethan loams, rolling	Houdek	60	60	82	100	113
HtD	Houdek-Ethan loams, rolling	Ethan	30	52	72	88	100
HuD	Houdek-Ethan loams, rolling	Houdek	60	60	82	100	113
HuD	Houdek-Ethan loams, rolling	Ethan	30	52	72	88	100
Hv	Hoven silty clay loam	Hoven	100	75	102	123	138
HyA	Hurley-Promise silty clays, nearly level	Hurley	60	51	71	87	99
HyA	Hurley-Promise silty clays, nearly level	Promise	39	85	116	138	156
LaA	Davis loam, nearly level	Davis	98	93	125	149	168
LbA	Bon silt loam, nearly level	Bon	98	121	162	192	215
LcA	Bon silt loam, nearly level	Bon	98	121	162	192	215
LdA	Davis silt loam, fans, nearly level	Davis	98	106	143	170	190
LeA	Bon-Northville complex, nearly level	Bon	79	121	162	192	215
LeA	Bon-Northville complex, nearly level	Northville	20	94	127	152	171
LlA	Bon-Lamo silt loams, nearly level	Bon	58	121	162	192	215
LlA	Bon-Lamo silt loams, nearly level	Lamo	40	76	104	125	142
LmA	Lamo silty clay loam, nearly level	Lamo	98	73	99	120	135
LnB	Lane loam, gently sloping	Lane	90	72	98	118	133
LoA	Lane silty clay, nearly level	Lane	99	61	85	102	116
LpA	Lane-Jerauld silty clay loams, nearly level	Lane	69	70	96	115	130
LpA	Lane-Jerauld silty clay loams, nearly level	Jerauld	30	52	73	88	101
LrA	Lane-Jerauld silty clays, level	Lane	69	61	85	102	116
LrA	Lane-Jerauld silty clays, level	Jerauld	30	51	71	87	99
LsA	Lane-Durrstein silty clay loams, nearly level	Lane	60	70	96	115	130
LsA	Lane-Durrstein silty clay loams, nearly level	Durrstein	40	48	68	83	95
LtD	Sansarc-Opal silty clays, hilly	Sansarc	40	barrier	barrier	barrier	barrier
LtD	Sansarc-Opal silty clays, hilly	Opal	30	46	barrier	barrier	barrier
Ma	Doger loamy sand	Doger	100	237	310	363	403
McA	Hoven silty clay loam	Hoven	100	75	102	123	138
MdA	Jerauld silt loam, nearly level	Jerauld	80	54	76	92	105
MeA	Jerauld-Eakin silt loam, nearly level	Jerauld	60	54	76	92	105
MeA	Jerauld-Eakin silt loam, nearly level	Eakin	30	70	96	115	131
MhA	Jerauld-Houdek complex, nearly level	Jerauld	50	54	76	92	105
MhA	Jerauld-Houdek complex, nearly level	Houdek	30	63	87	105	119
MhB	Jerauld-Houdek complex, undulating	Jerauld	50	54	76	92	105
MhB	Jerauld-Houdek complex, undulating	Houdek	30	63	87	105	119
MrA	Jerauld-Raber complex, nearly level	Jerauld	50	54	76	92	105
MrA	Jerauld-Raber complex, nearly level	Raber	30	39	55	68	78
MrB	Jerauld-Raber complex, undulating	Jerauld	50	54	76	92	105
MrB	Jerauld-Raber complex, undulating	Raber	30	39	55	68	78
MwA	Jerauld-Glenham complex, nearly level	Jerauld	50	54	76	92	105
MwA	Jerauld-Glenham complex, nearly level	Glenham	30	45	64	78	89
MyB	Mondamin silty clay loam, gently sloping	Mondamin	100	76	104	125	141
OaA	Oahe loam, nearly level	Oahe	100	465	600	696	769
OaB	Oahe loam, undulating	Oahe	100	465	600	696	769
OhA	Oahe-Delmont loams, nearly level	Oahe	65	465	600	696	769
OhA	Oahe-Delmont loams, nearly level	Delmont	35	520	670	777	858
OhB	Oahe-Delmont loams, undulating	Oahe	60	465	600	696	769
OhB	Oahe-Delmont loams, undulating	Delmont	40	520	670	777	858
OrA	Promise silty clay, nearly level	Promise	99	85	116	138	156
OrB	Promise silty clay, gently sloping	Promise	100	86	117	139	157

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
PrB	Promise silty clay, gently sloping	Promise	100	86	117	139	157
PrC	Promise silty clay, sloping	Promise	100	86	117	139	157
PrD	Promise silty clay, moderately steep	Promise	100	86	117	139	157
RaA	Raber loam, nearly level	Raber	99	39	55	68	78
RaB	Raber loam, undulating	Raber	99	39	55	68	78
RaC	Raber loam, rolling	Raber	98	39	55	68	78
RcA	Raber-Cavo loams, nearly level	Raber	60	39	55	68	78
RcA	Raber-Cavo loams, nearly level	Cavo	30	70	96	115	130
RcB	Raber-Cavo loams, undulating	Raber	70	39	55	68	78
RcB	Raber-Cavo loams, undulating	Cavo	20	70	96	115	130
ReA	Raber-Eakin complex, nearly level	Raber	60	39	55	68	78
ReA	Raber-Eakin complex, nearly level	Eakin	30	70	96	115	131
ReB	Raber-Eakin complex, undulating	Raber	70	39	55	68	78
ReB	Raber-Eakin complex, undulating	Eakin	20	70	96	115	131
ReC	Raber-Eakin complex, rolling	Raber	69	39	55	68	78
ReC	Raber-Eakin complex, rolling	Eakin	30	70	96	115	131
RmA	Raber-Jerauld complex, nearly level	Raber	60	39	55	68	78
RmA	Raber-Jerauld complex, nearly level	Jerauld	30	54	76	92	105
RmB	Raber-Jerauld complex, undulating	Raber	70	39	55	68	78
RmB	Raber-Jerauld complex, undulating	Jerauld	20	54	76	92	105
RpC	Raber-Peno loams, rolling	Raber	55	39	55	68	78
RpC	Raber-Peno loams, rolling	Peno	30	36	52	64	74
RrC	Raber-Peno loams, rolling	Raber	60	39	55	68	78
RrC	Raber-Peno loams, rolling	Peno	30	36	52	64	74
Rs	Talmo gravelly sandy loam	Talmo	100	361	467	543	601
Ru	Betts loam	Betts	75	59	81	98	112
Sa	Egas silty clay loam	Egas	99	66	91	110	125
Sm	Delmont loam	Delmont	100	520	670	777	858
So	Delmont-Oahe loams	Delmont	65	520	670	777	858
So	Delmont-Oahe loams	Oahe	35	465	600	696	769
Sw	Delmont-Enet loams	Delmont	65	520	670	777	858
Sw	Delmont-Enet loams	Enet	35	545	701	813	897
SxA	Dimo loam, nearly level	Dimo	100	273	356	415	460
SyA	Dimo loam, nearly level	Dimo	100	273	356	415	460
Tp	Worthing silt loam, poorly drained	Worthing	100	76	104	124	140
Tw	Tetonka silt loam	Tetonka	100	93	125	149	168
WeA	Enet loam, nearly level	Enet	100	545	701	813	897
WeB	Enet loam, undulating	Enet	100	545	701	813	897
WgA	Enet-Delmont loams, nearly level	Enet	65	545	701	813	897
WgA	Enet-Delmont loams, nearly level	Delmont	35	520	670	777	858
WgB	Enet-Delmont loams, undulating	Enet	65	545	701	813	897
WgB	Enet-Delmont loams, undulating	Delmont	35	520	670	777	858
WmB	Glenham loam, undulating	Glenham	99	47	66	81	92
WmC	Glenham loam, rolling	Glenham	99	47	66	81	92
WnA	Glenham-Prosper loams, nearly level	Glenham	59	47	66	81	92
WnA	Glenham-Prosper loams, nearly level	Prosper	40	67	92	111	125
WnB	Glenham-Prosper loams, undulating	Glenham	64	47	66	81	92
WnB	Glenham-Prosper loams, undulating	Prosper	35	67	92	111	125
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	100	58	81	98	111
Wp	Worthing silty clay loam, ponded, 0 to 1 percent slopes	Worthing	100	66	91	109	124
WpA	Glenham-Cavo loams, nearly level	Glenham	50	47	66	81	92
WpA	Glenham-Cavo loams, nearly level	Cavo	30	70	96	115	130
WpB	Glenham-Cavo loams, undulating	Glenham	50	47	66	81	92
WpB	Glenham-Cavo loams, undulating	Cavo	30	70	96	115	130
WrA	Glenham-Eakin complex, undulating	Glenham	59	47	66	81	92
WrA	Glenham-Eakin complex, undulating	Eakin	40	70	96	115	131
WsA	Glenham-Jerauld complex, nearly level	Glenham	50	47	66	81	92
WsA	Glenham-Jerauld complex, nearly level	Jerauld	30	54	76	92	105
WsB	Glenham-Jerauld complex, undulating	Glenham	60	47	66	81	92
WsB	Glenham-Jerauld complex, undulating	Jerauld	20	54	76	92	105
WuB	Glenham-Delmont loams, undulating	Glenham	60	47	66	81	92
WuB	Glenham-Delmont loams, undulating	Delmont	30	520	670	777	858
WuC	Glenham-Delmont loams, rolling	Glenham	55	47	66	81	92

South Dakota Lateral Effect Tables for Hand County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WuC	Glenham-Delmont loams, rolling	Delmont	35	520	670	777	858
WuD	Glenham-Talmo loams, hilly	Glenham	55	47	66	81	92
WuD	Glenham-Talmo loams, hilly	Talmo	35	512	659	765	844
WxC	Glenham-Java loams, rolling	Glenham	60	47	66	81	92
WxC	Glenham-Java loams, rolling	Java	30	64	88	106	120
WzC	Glenham-Java loams, rolling	Glenham	60	47	66	81	92
WzC	Glenham-Java loams, rolling	Java	35	64	88	106	120
ZaD	Ethan-Houdek loams, hilly	Ethan	50	56	78	95	108
ZaD	Ethan-Houdek loams, hilly	Houdek	30	59	82	100	113
ZhD	Ethan-Houdek loams, hilly	Ethan	50	56	78	95	108
ZhD	Ethan-Houdek loams, hilly	Houdek	30	60	82	100	113
ZhE	Betts-Ethan loams, steep	Betts	60	59	81	98	112
ZhE	Betts-Ethan loams, steep	Ethan	35	56	78	95	108
ZmD	Peno-Raber loams, hilly	Peno	50	36	52	64	74
ZmD	Peno-Raber loams, hilly	Raber	30	39	55	68	78
ZmE	Gettys-Peno complex, steep	Gettys	50	37	53	65	75
ZmE	Gettys-Peno complex, steep	Peno	30	36	52	64	74
ZrD	Peno-Raber loams, hilly	Peno	50	36	52	64	74
ZrD	Peno-Raber loams, hilly	Raber	30	39	55	68	78
ZrE	Gettys-Peno complex, steep	Gettys	50	37	53	65	75
ZrE	Gettys-Peno complex, steep	Peno	30	36	52	64	74
ZsD	Betts-Talmo loams, hilly	Betts	55	59	81	98	112
ZsD	Betts-Talmo loams, hilly	Talmo	25	512	659	765	844
ZsE	Betts-talmo loams, steep	Betts	60	59	81	98	112
ZsE	Betts-talmo loams, steep	Talmo	20	512	659	765	844
ZxD	Java-Glenham loams, hilly	Java	50	64	88	106	120
ZxD	Java-Glenham loams, hilly	Glenham	30	47	66	81	92
ZxE	Betts-Java loams, steep	Betts	50	59	81	98	112
ZxE	Betts-Java loams, steep	Java	30	64	88	106	120
ZyD	Java-Glenham loams, hilly	Java	50	64	88	106	120
ZyD	Java-Glenham loams, hilly	Glenham	30	47	66	81	92
ZyE	Betts-Java loams, steep	Betts	50	61	84	102	116
ZyE	Betts-Java loams, steep	Java	30	64	88	106	120

South Dakota Lateral Effect Tables for Hanson and Hutchinson Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
BeE	Betts and Ethan loams, 15 to 40 percent slopes	Betts	45	72	93	108	120
BeE	Betts and Ethan loams, 15 to 40 percent slopes	Ethan	40	65	85	99	110
Bo	Bon loam	Bon	90	107	139	161	177
Ca	Chaska silt loam	Chaska	85	215	275	318	350
Cb	Chaska silt loam, channeled	Chaska	85	215	275	318	350
Cc	Clamo silty clay loam	Clamo	85	90	116	135	149
CdA	Clarno loam, 0 to 3 percent slopes	Clarno	85	69	89	104	115
CdB	Clarno loam, 3 to 6 percent slopes	Clarno	85	69	89	104	115
CeA	Clarno-Davison loams, 0 to 2 percent slopes	Clarno	55	69	89	104	115
CeA	Clarno-Davison loams, 0 to 2 percent slopes	Davison	30	136	175	203	224
CeB	Clarno-Davison loams, 2 to 4 percent slopes	Clarno	60	69	89	104	115
CeB	Clarno-Davison loams, 2 to 4 percent slopes	Davison	25	136	175	203	224
CnC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	60	69	89	104	115
CnC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	25	65	85	99	110
CsA	Clarno-Stickney loams, 0 to 2 percent slopes	Clarno	60	69	89	104	115
CsA	Clarno-Stickney loams, 0 to 2 percent slopes	Stickney	20	76	99	115	128
Ct	Crossplain-Harps complex	Crossplain	45	54	71	83	92
Ct	Crossplain-Harps complex	Harps	30	59	77	90	100
DaB	Davis loam, 2 to 6 percent slopes	Davis	80	101	130	151	167
DaC	Davis loam, 6 to 9 percent slopes	Davis	85	101	130	151	167
DbA	Davison loam, 0 to 3 percent slopes	Davison	70	90	116	135	149
DcB	Davison-Onita complex, 2 to 6 percent slopes	Davison	45	136	175	203	224
DcB	Davison-Onita complex, 2 to 6 percent slopes	Onita	30	105	135	156	173
DeA	Delmont loam, 0 to 3 percent slopes	Delmont	85	513	654	754	829
DeB	Delmont loam, 3 to 6 percent slopes	Delmont	80	513	654	754	829
DmB	Delmont-Rock outcrop complex, 2 to 9 percent slopes	Delmont	50	513	654	754	829
DmB	Delmont-Rock outcrop complex, 2 to 9 percent slopes	Rock outcrop	35	278	356	411	452
DnD	Delmont-Talmo complex, 6 to 12 percent slopes	Delmont	55	513	654	754	829
DnD	Delmont-Talmo complex, 6 to 12 percent slopes	Talmo	25	491	626	722	794
Do	Dimo loam	Dimo	85	279	356	411	452
DsA	Dudley-Stickney complex, 0 to 2 percent slopes	Dudley	40	89	115	133	147
DsA	Dudley-Stickney complex, 0 to 2 percent slopes	Stickney	35	79	102	119	132
Du	Durrstein silt loam	Durrstein	85	67	87	101	112
EaC	Egan silt loam, 6 to 9 percent slopes	Egan	80	82	106	123	136
EbC2	Egan-Betts complex, 3 to 9 percent slopes, eroded	Egan	60	82	106	123	136
EbC2	Egan-Betts complex, 3 to 9 percent slopes, eroded	Betts	25	72	93	108	120
EgB	Egan and Wentworth silt loams, 2 to 6 percent slopes	Egan	40	82	106	123	136
EgB	Egan and Wentworth silt loams, 2 to 6 percent slopes	Wentworth	40	110	142	164	181
EnA	Enet loam, 0 to 2 percent slopes	Enet	80	526	671	773	850
EtB	Ethan-Betts loams, 3 to 6 percent slopes	Ethan	55	65	85	99	110
EtB	Ethan-Betts loams, 3 to 6 percent slopes	Betts	25	72	93	108	120
EtC2	Ethan-Betts loams, 6 to 9 percent slopes, eroded	Ethan	50	65	85	99	110
EtC2	Ethan-Betts loams, 6 to 9 percent slopes, eroded	Betts	30	72	93	108	120
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	65	85	99	110
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	30	72	93	108	120
EuB	Ethan-Clarno loams, 2 to 6 percent slopes	Clarno	40	69	89	104	115
EuB	Ethan-Clarno loams, 2 to 6 percent slopes	Ethan	40	65	85	99	110
EuC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	65	85	99	110
EuC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	69	89	104	115
EwC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	50	65	85	99	110
EwC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	30	76	99	115	127
Fa	Fedora fine sandy loam	Fedora	90	117	150	174	192
HaA	Hand loam, 0 to 3 percent slopes	Hand	80	100	130	150	166
HaB	Hand loam, 3 to 6 percent slopes	Hand	80	100	130	150	166
HaC	Hand loam, 6 to 9 percent slopes	Hand	85	100	130	150	166
HbC	Hand-Betts loams, 6 to 9 percent slopes	Hand	60	100	130	150	166
HbC	Hand-Betts loams, 6 to 9 percent slopes	Betts	25	72	93	108	120
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	60	100	130	150	166
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	25	154	198	229	252
HdB	Hand-Davison loams, 3 to 6 percent slopes	Hand	65	138	177	205	226
HdB	Hand-Davison loams, 3 to 6 percent slopes	Davison	25	90	116	135	149
HmA	Henkin fine sandy loam, 0 to 2 percent slopes	Henkin	85	234	300	346	381

South Dakota Lateral Effect Tables for Hanson and Hutchinson Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HmB	Henkin fine sandy loam, 2 to 6 percent slopes	Henkin	90	234	300	346	381
HnB	Alwilda fine sandy loam, 0 to 6 percent slopes	Alwilda	90	132	170	197	217
HoC	Homme-Ethan complex, 6 to 9 percent slopes	Homme	60	76	99	115	127
HoC	Homme-Ethan complex, 6 to 9 percent slopes	Ethan	25	65	85	99	110
HtA	Homme-Onita complex, 0 to 2 percent slopes	Homme	60	76	99	115	127
HtA	Homme-Onita complex, 0 to 2 percent slopes	Onita	25	105	135	156	173
HtB	Homme-Onita complex, 2 to 6 percent slopes	Homme	60	76	99	115	127
HtB	Homme-Onita complex, 2 to 6 percent slopes	Onita	25	105	135	156	173
Ja	James silty clay	James	80	67	87	102	113
La	Lamo silty clay loam	Lamo	80	77	99	116	128
Lm	Lamo-Wann complex, frequently flooded	Lamo	45	77	99	116	128
Lm	Lamo-Wann complex, frequently flooded	Wann	30	122	156	181	200
Ma	Worthing silty clay loam, ponded	Worthing	100	80	104	121	133
OaA	Onita silt loam, 0 to 3 percent slopes	Onita	80	105	135	156	173
PcA	Prosper-Clarno loams, 0 to 2 percent slopes	Prosper	50	81	104	121	134
PcA	Prosper-Clarno loams, 0 to 2 percent slopes	Clarno	40	69	89	104	115
Pr	Prosper-Stickney complex, 0 to 2 percent slopes	Prosper	55	81	104	121	134
Pr	Prosper-Stickney complex, 0 to 2 percent slopes	Stickney	30	76	99	115	128
Ps	Prosper and Crossplain complex	Crossplain	40	54	71	83	92
Ps	Prosper and Crossplain complex	Prosper	40	81	104	121	134
ReB	Redstoe silt loam, 0 to 6 percent slopes	Redstoe	85	61	barrier	barrier	barrier
Sa	Salmo silty clay loam	Salmo	90	79	102	119	131
St	Arlo loam	Arlo	85	190	243	281	310
Te	Tetonka silty clay loam	Tetonka	85	93	120	140	154
Tt	Tetonka-Harps complex	Tetonka	65	93	120	140	154
Tt	Tetonka-Harps complex	Harps	25	59	77	90	100
Tw	Tetonka and Whitewood silty clay loams	Tetonka	40	92	119	139	153
Tw	Tetonka and Whitewood silty clay loams	Whitewood	40	87	112	130	144
Wa	Wann loam	Wann	90	122	156	181	200

South Dakota Lateral Effect Tables for Hanson and Hutchinson Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
BeE	Betts and Ethan loams, 15 to 40 percent slopes	Betts	45	59	82	100	113
BeE	Betts and Ethan loams, 15 to 40 percent slopes	Ethan	40	53	74	90	103
Bo	Bon loam	Bon	90	94	127	152	170
Ca	Chaska silt loam	Chaska	85	200	263	309	343
Cb	Chaska silt loam, channeled	Chaska	85	200	263	309	343
Cc	Clamo silty clay loam	Clamo	85	77	105	126	143
CdA	Clarno loam, 0 to 3 percent slopes	Clarno	85	57	79	96	109
CdB	Clarno loam, 3 to 6 percent slopes	Clarno	85	57	79	96	109
CeA	Clarno-Davison loams, 0 to 2 percent slopes	Clarno	55	57	79	96	109
CeA	Clarno-Davison loams, 0 to 2 percent slopes	Davison	30	122	164	194	217
CeB	Clarno-Davison loams, 2 to 4 percent slopes	Clarno	60	57	79	96	109
CeB	Clarno-Davison loams, 2 to 4 percent slopes	Davison	25	122	164	194	217
CnC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	60	57	79	96	109
CnC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	25	53	74	90	103
CsA	Clarno-Stickney loams, 0 to 2 percent slopes	Clarno	60	57	79	96	109
CsA	Clarno-Stickney loams, 0 to 2 percent slopes	Stickney	20	64	88	106	121
Ct	Crossplain-Harps complex	Crossplain	45	43	61	75	86
Ct	Crossplain-Harps complex	Harps	30	48	67	82	94
DaB	Davis loam, 2 to 6 percent slopes	Davis	80	88	119	142	160
DaC	Davis loam, 6 to 9 percent slopes	Davis	85	88	119	142	160
DbA	Davison loam, 0 to 3 percent slopes	Davison	70	77	105	126	142
DcB	Davison-Onita complex, 2 to 6 percent slopes	Davison	45	122	164	194	217
DcB	Davison-Onita complex, 2 to 6 percent slopes	Onita	30	91	123	147	166
DeA	Delmont loam, 0 to 3 percent slopes	Delmont	85	498	642	745	822
DeB	Delmont loam, 3 to 6 percent slopes	Delmont	80	498	642	745	822
DmB	Delmont-Rock outcrop complex, 2 to 9 percent slopes	Delmont	50	498	642	745	822
DmB	Delmont-Rock outcrop complex, 2 to 9 percent slopes	Rock outcrop	35	263	343	401	445
DnD	Delmont-Talmo complex, 6 to 12 percent slopes	Delmont	55	498	642	745	822
DnD	Delmont-Talmo complex, 6 to 12 percent slopes	Talmo	25	476	614	712	787
Do	Dimo loam	Dimo	85	264	344	401	445
DsA	Dudley-Stickney complex, 0 to 2 percent slopes	Dudley	40	76	103	124	140
DsA	Dudley-Stickney complex, 0 to 2 percent slopes	Stickney	35	66	91	110	125
Du	Durrstein silt loam	Durrstein	85	55	76	93	105
EaC	Egan silt loam, 6 to 9 percent slopes	Egan	80	69	95	114	129
EbC2	Egan-Betts complex, 3 to 9 percent slopes, eroded	Egan	60	69	95	114	129
EbC2	Egan-Betts complex, 3 to 9 percent slopes, eroded	Betts	25	59	82	100	113
EgB	Egan and Wentworth silt loams, 2 to 6 percent slopes	Egan	40	69	95	114	129
EgB	Egan and Wentworth silt loams, 2 to 6 percent slopes	Wentworth	40	96	130	155	174
EnA	Enet loam, 0 to 2 percent slopes	Enet	80	511	658	763	843
EtB	Ethan-Betts loams, 3 to 6 percent slopes	Ethan	55	53	74	90	103
EtB	Ethan-Betts loams, 3 to 6 percent slopes	Betts	25	59	82	100	113
EtC2	Ethan-Betts loams, 6 to 9 percent slopes, eroded	Ethan	50	53	74	90	103
EtC2	Ethan-Betts loams, 6 to 9 percent slopes, eroded	Betts	30	59	82	100	113
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	53	74	90	103
EtD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	30	59	82	100	113
EuB	Ethan-Clarno loams, 2 to 6 percent slopes	Clarno	40	57	79	96	109
EuB	Ethan-Clarno loams, 2 to 6 percent slopes	Ethan	40	53	74	90	103
EuC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	53	74	90	103
EuC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	57	79	96	109
EwC	Ethan-Homme complex, 6 to 9 percent slopes	Ethan	50	53	74	90	103
EwC	Ethan-Homme complex, 6 to 9 percent slopes	Homme	30	64	88	106	121
Fa	Fedora fine sandy loam	Fedora	90	103	139	165	185
HaA	Hand loam, 0 to 3 percent slopes	Hand	80	87	118	141	159
HaB	Hand loam, 3 to 6 percent slopes	Hand	80	87	118	141	159
HaC	Hand loam, 6 to 9 percent slopes	Hand	85	87	118	141	159
HbC	Hand-Betts loams, 6 to 9 percent slopes	Hand	60	87	118	141	159
HbC	Hand-Betts loams, 6 to 9 percent slopes	Betts	25	59	82	100	113
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	60	87	118	141	159
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	25	140	186	219	245
HdB	Hand-Davison loams, 3 to 6 percent slopes	Hand	65	124	165	196	219
HdB	Hand-Davison loams, 3 to 6 percent slopes	Davison	25	77	105	126	142
HmA	Henkin fine sandy loam, 0 to 2 percent slopes	Henkin	85	220	288	337	374

South Dakota Lateral Effect Tables for Hanson and Hutchinson Counties

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HmB	Henkin fine sandy loam, 2 to 6 percent slopes	Henkin	90	220	288	337	374
HnB	Alwilda fine sandy loam, 0 to 6 percent slopes	Alwilda	90	118	158	188	210
HoC	Homme-Ethan complex, 6 to 9 percent slopes	Homme	60	64	88	106	121
HoC	Homme-Ethan complex, 6 to 9 percent slopes	Ethan	25	53	74	90	103
HtA	Homme-Onita complex, 0 to 2 percent slopes	Homme	60	64	88	106	121
HtA	Homme-Onita complex, 0 to 2 percent slopes	Onita	25	91	123	147	166
HtB	Homme-Onita complex, 2 to 6 percent slopes	Homme	60	64	88	106	121
HtB	Homme-Onita complex, 2 to 6 percent slopes	Onita	25	91	123	147	166
Ja	James silty clay	James	80	55	77	93	106
La	Lamo silty clay loam	Lamo	80	64	89	107	121
Lm	Lamo-Wann complex, frequently flooded	Lamo	45	64	89	107	121
Lm	Lamo-Wann complex, frequently flooded	Wann	30	108	145	172	193
Ma	Worthing silty clay loam, ponded	Worthing	100	67	93	112	126
OaA	Onita silt loam, 0 to 3 percent slopes	Onita	80	91	123	147	166
PcA	Prosper-Clarno loams, 0 to 2 percent slopes	Prosper	50	68	93	113	127
PcA	Prosper-Clarno loams, 0 to 2 percent slopes	Clarno	40	57	79	96	109
Pr	Prosper-Stickney complex, 0 to 2 percent slopes	Prosper	55	68	93	113	127
Pr	Prosper-Stickney complex, 0 to 2 percent slopes	Stickney	30	64	88	106	121
Ps	Prosper and Crossplain complex	Crossplain	40	43	61	75	86
Ps	Prosper and Crossplain complex	Prosper	40	68	93	113	127
ReB	Redstoe silt loam, 0 to 6 percent slopes	Redstoe	85	61	barrier	barrier	barrier
Sa	Salmo silty clay loam	Salmo	90	66	91	110	125
St	Arlo loam	Arlo	85	175	231	272	302
Te	Tetonka silty clay loam	Tetonka	85	80	109	131	147
Tt	Tetonka-Harps complex	Tetonka	65	80	109	131	147
Tt	Tetonka-Harps complex	Harps	25	48	67	82	94
Tw	Tetonka and Whitewood silty clay loams	Tetonka	40	79	108	130	146
Tw	Tetonka and Whitewood silty clay loams	Whitewood	40	74	101	121	137
Wa	Wann loam	Wann	90	108	145	172	193

South Dakota Lateral Effect Tables for Hughes County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	90	138	178	206	227
AgB	Agar silt loam, 2 to 5 percent slopes	Agar	90	138	178	206	227
AkB	Agar-Eakin silt loams, 2 to 5 percent slopes	Agar	50	138	178	206	227
AkB	Agar-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	101	130	151	167
As	Inavale fine sand	Inavale	75	347	443	512	563
Au	Nimbro and Wendte soils, channeled	Nimbro	49	107	137	160	176
Au	Nimbro and Wendte soils, channeled	Wendte	49	92	118	137	152
Aw	Meckling-Norway loamy fine sands	Meckling	45	304	388	448	493
Aw	Meckling-Norway loamy fine sands	Norway	45	377	481	555	611
BeE	Betts loam, 15 to 40 percent slopes	Betts	80	83	107	125	138
Bo	Bon loam	Bon	95	123	158	183	202
CaA	Canning loam, 0 to 2 percent slopes	Canning	90	506	645	744	818
CaB	Canning loam, 2 to 5 percent slopes	Canning	95	506	645	744	818
CdA	Cavo-Demky silt loams, 0 to 2 percent slopes	Cavo	40	93	120	139	154
CdA	Cavo-Demky silt loams, 0 to 2 percent slopes	Demky	30	78	101	118	130
DeA	DeGrey-Walke silt loams, 0 to 2 percent slopes	DeGrey	50	86	111	129	143
DeA	DeGrey-Walke silt loams, 0 to 2 percent slopes	Walke	30	103	133	154	170
DkA	Demky-Cavo silt loams, 0 to 2 percent slopes	Demky	50	78	101	118	130
DkA	Demky-Cavo silt loams, 0 to 2 percent slopes	Cavo	30	93	120	139	154
Do	Dorna silt loam	Dorna	90	152	195	226	249
Dr	Dorna silt loam, thin solum	Dorna	90	152	195	226	249
Du	Durrstein-Egas complex	Durrstein	69	68	89	103	114
Du	Durrstein-Egas complex	Egas	30	84	108	126	139
ErA	Eakin-Raber silt loams, 0 to 2 percent slopes	Eakin	50	101	130	151	167
ErA	Eakin-Raber silt loams, 0 to 2 percent slopes	Raber	30	59	77	90	100
ErB	Eakin-Raber silt loams, 2 to 5 percent slopes	Eakin	55	101	130	151	167
ErB	Eakin-Raber silt loams, 2 to 5 percent slopes	Raber	35	59	77	90	100
ErC	Eakin-Raber silt loams, 5 to 9 percent slopes	Eakin	50	101	130	151	167
ErC	Eakin-Raber silt loams, 5 to 9 percent slopes	Raber	40	59	77	90	100
Fd	Fill land	Orthents	90	76	99	115	127
GeE	Gettys clay loam, 15 to 40 percent slopes	Gettys	80	51	67	78	87
GhC	Glenham-Highmore silt loams, 5 to 9 percent slopes	Glenham	60	68	88	103	114
GhC	Glenham-Highmore silt loams, 5 to 9 percent slopes	Highmore	20	95	123	143	158
Gp	Gravel pits	Orthents	100	586	746	860	945
HeA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	95	123	143	158
HgA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	50	95	123	143	158
HgA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	25	86	111	129	143
HgB	Highmore-DeGrey silt loams, 2 to 5 percent slopes	Highmore	60	95	123	143	158
HgB	Highmore-DeGrey silt loams, 2 to 5 percent slopes	DeGrey	20	86	111	129	143
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	65	95	123	143	158
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	20	101	130	151	167
HkB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Highmore	50	95	123	143	158
HkB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	101	130	151	167
HlB	Highmore-Glenham silt loams, 2 to 5 percent slopes	Highmore	50	95	123	143	158
HlB	Highmore-Glenham silt loams, 2 to 5 percent slopes	Glenham	30	68	88	103	114
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	70	113	145	168	186
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	20	103	133	154	170
Hn	Hoven silt loam	Hoven	99	101	130	151	167
Ho	Hoven-Onita silt loams	Hoven	55	101	130	151	167
Ho	Hoven-Onita silt loams	Onita	30	120	155	180	198
JbD	Java-Betts loams, 9 to 15 percent slopes	Java	60	76	98	114	126
JbD	Java-Betts loams, 9 to 15 percent slopes	Betts	30	83	107	125	138
JgC	Java-Glenham loams, 2 to 9 percent slopes	Java	50	76	98	114	126
JgC	Java-Glenham loams, 2 to 9 percent slopes	Glenham	35	68	88	103	114
JlA	Jerauld silt loam, 0 to 2 percent slopes	Jerauld	70	77	100	116	129
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	186	238	275	303
LoB	Lowry silt loam, 2 to 5 percent slopes	Lowry	85	186	238	275	303
LoC	Lowry silt loam, 5 to 9 percent slopes	Lowry	90	186	238	275	303
LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Lowry	60	186	238	275	303
LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Urbanland	30	76	99	115	127
LuC	Lowry-Urban land complex, 5 to 9 percent slopes	Lowry	55	186	238	275	303
LuC	Lowry-Urban land complex, 5 to 9 percent slopes	Urbanland	40	76	99	115	127

South Dakota Lateral Effect Tables for Hughes County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ma	Macken silty clay	Macken	86	88	114	132	146
Mar	Marsh	Aquolls	95	78	102	118	131
MbA	Millboro silty clay loam, 0 to 2 percent slopes	Millboro	85	94	121	141	156
MoA	Mosher silt loam, 0 to 2 percent slopes	Mosher	70	104	135	156	173
Mu	Munjor fine sandy loam	Munjor	75	111	144	167	184
OaC	Oahe-Orton loams, 2 to 9 percent slopes	Oahe	55	520	662	764	840
OaC	Oahe-Orton loams, 2 to 9 percent slopes	Orton	30	430	548	632	695
OcB	Oko clay loam, 2 to 5 percent slopes	Oko	85	53	70	82	91
OcC	Oko clay loam, 5 to 9 percent slopes	Oko	85	53	70	82	91
OdC	Oko-Jerauld complex, 2 to 9 percent slopes	Oko	60	53	70	82	91
OdC	Oko-Jerauld complex, 2 to 9 percent slopes	Jerauld	30	77	100	116	129
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	120	155	180	198
OoA	Onita-Hoven silt loams, 0 to 1 percent slopes	Onita	60	120	155	180	198
OoA	Onita-Hoven silt loams, 0 to 1 percent slopes	Hoven	25	101	130	151	167
PeD	Peno-Gettys clay loams, 9 to 15 percent slopes	Peno	50	51	67	79	87
PeD	Peno-Gettys clay loams, 9 to 15 percent slopes	Gettys	35	51	67	78	87
PnD	Peno-Bullcreek complex, 3 to 15 percent slopes	Peno	50	51	67	79	87
PnD	Peno-Bullcreek complex, 3 to 15 percent slopes	Bullcreek	20	72	94	109	121
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	30	136	158	175
PrB	Promise clay, 2 to 5 percent slopes	Promise	90	30	136	158	175
PsA	Promise-Mosher complex, 0 to 2 percent slopes	Promise	68	30	136	158	175
PsA	Promise-Mosher complex, 0 to 2 percent slopes	Mosher	30	104	135	156	173
RaA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	45	59	77	90	100
RaA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	80	103	120	133
RaB	Raber-Cavo loams, 2 to 5 percent slopes	Raber	60	30	77	90	100
RaB	Raber-Cavo loams, 2 to 5 percent slopes	Cavo	30	30	103	120	133
RbC	Raber-Peno clay loam	Raber	50	59	77	90	100
RbC	Raber-Peno clay loam	Peno	35	51	67	79	87
RdC	Raber and Oko stony soils, 3 to 15 percent slopes	Oko	40	57	75	87	97
RdC	Raber and Oko stony soils, 3 to 15 percent slopes	Raber	40	30	77	90	100
ReA	Ree loam, 0 to 2 percent slopes	Ree	85	30	205	237	261
ReB	Ree loam, 2 to 5 percent slopes	Ree	85	159	205	237	261
RmA	Ree-Mosher complex, 0 to 2 percent slopes	Ree	60	159	205	237	261
RmA	Ree-Mosher complex, 0 to 2 percent slopes	Mosher	25	104	135	156	173
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Gettys	30	30	67	78	87
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Rockoutcrop	20	30	92	107	118
SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Gettys	30	51	67	78	87
Sd	Sansarc-Shale outcrop complex	Rockoutcrop	30	71	92	107	118
Sf	Schamber-Orton complex	Schamber	65	447	570	657	722
Sf	Schamber-Orton complex	Orton	25	30	548	632	695
Sh	Shale land	Rockoutcrop	85	30	92	107	118
SuA	Sully silt loam, 0 to 2 percent slopes	Sully	90	149	191	221	243
SuC	Sully silt loam, 2 to 9 percent slopes	Sully	90	149	191	221	243
SuD	Sully silt loam, 9 to 15 percent slopes	Sully	85	149	191	221	243
SuE	Sully silt loam, 15 to 35 percent slopes	Sully	80	30	191	221	243
SwB	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	80	30	94	109	121
Sx	Bullcreek-Slickspots complex	Bullcreek	68	72	94	109	121
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
ChC	Chantier clay, 2 to 9 percent slopes	Chantier	90	barrier	barrier	barrier	barrier
Cu	Cut and Fill land	Orthents	60	barrier	barrier	barrier	barrier
Cu	Cut and Fill land	Orthents	40	barrier	barrier	barrier	barrier
HuB	Hurley silt loam, 0 to 6 percent slopes	Hurley	80	barrier	barrier	barrier	barrier
OpB	Opal clay, 2 to 5 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OpC	Opal clay, 5 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Lakoma	40	barrier	barrier	barrier	barrier
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Lakoma	30	barrier	barrier	barrier	barrier
SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Lakoma	40	barrier	barrier	barrier	barrier
ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
Sd	Sansarc-Shale outcrop complex	Sansarc	55	barrier	barrier	barrier	barrier
Sx	Bullcreek-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Hughes County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	90	125	166	197	220
AgB	Agar silt loam, 2 to 5 percent slopes	Agar	90	125	166	197	220
AkB	Agar-Eakin silt loams, 2 to 5 percent slopes	Agar	50	125	166	197	220
AkB	Agar-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	88	119	142	160
As	Inavale fine sand	Inavale	75	332	431	502	555
Au	Nimbro and Wendte soils, channeled	Nimbro	49	93	126	150	169
Au	Nimbro and Wendte soils, channeled	Wendte	49	79	107	128	145
Aw	Meckling-Norway loamy fine sands	Meckling	45	289	376	439	486
Aw	Meckling-Norway loamy fine sands	Norway	45	362	469	545	603
BeE	Betts loam, 15 to 40 percent slopes	Betts	80	70	96	116	131
Bo	Bon loam	Bon	95	109	146	174	195
CaA	Canning loam, 0 to 2 percent slopes	Canning	90	491	633	734	811
CaB	Canning loam, 2 to 5 percent slopes	Canning	95	491	633	734	811
CdA	Cavo-Demky silt loams, 0 to 2 percent slopes	Cavo	40	80	109	130	147
CdA	Cavo-Demky silt loams, 0 to 2 percent slopes	Demky	30	65	90	109	123
DeA	DeGrey-Walke silt loams, 0 to 2 percent slopes	DeGrey	50	73	100	120	136
DeA	DeGrey-Walke silt loams, 0 to 2 percent slopes	Walke	30	89	121	145	163
DkA	Demky-Cavo silt loams, 0 to 2 percent slopes	Demky	50	65	90	109	123
DkA	Demky-Cavo silt loams, 0 to 2 percent slopes	Cavo	30	80	109	130	147
Do	Dorna silt loam	Dorna	90	138	183	216	242
Dr	Dorna silt loam, thin solum	Dorna	90	138	183	216	242
Du	Durrstein-Egas complex	Durrstein	69	56	78	94	107
Du	Durrstein-Egas complex	Egas	30	71	97	117	132
ErA	Eakin-Raber silt loams, 0 to 2 percent slopes	Eakin	50	88	119	142	160
ErA	Eakin-Raber silt loams, 0 to 2 percent slopes	Raber	30	48	67	82	93
ErB	Eakin-Raber silt loams, 2 to 5 percent slopes	Eakin	55	88	119	142	160
ErB	Eakin-Raber silt loams, 2 to 5 percent slopes	Raber	35	48	67	82	93
ErC	Eakin-Raber silt loams, 5 to 9 percent slopes	Eakin	50	88	119	142	160
ErC	Eakin-Raber silt loams, 5 to 9 percent slopes	Raber	40	48	67	82	93
Fd	Fill land	Orthents	90	64	88	106	120
GeE	Gettys clay loam, 15 to 40 percent slopes	Gettys	80	40	57	70	81
GhC	Glenham-Highmore silt loams, 5 to 9 percent slopes	Glenham	60	56	78	94	107
GhC	Glenham-Highmore silt loams, 5 to 9 percent slopes	Highmore	20	82	112	134	151
Gp	Gravel pits	Orthents	100	570	733	850	938
HeA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	82	112	134	151
HgA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	50	82	112	134	151
HgA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	25	73	100	120	136
HgB	Highmore-DeGrey silt loams, 2 to 5 percent slopes	Highmore	60	82	112	134	151
HgB	Highmore-DeGrey silt loams, 2 to 5 percent slopes	DeGrey	20	73	100	120	136
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	65	82	112	134	151
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	20	88	119	142	160
HkB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Highmore	50	82	112	134	151
HkB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	88	119	142	160
HlB	Highmore-Glenham silt loams, 2 to 5 percent slopes	Highmore	50	82	112	134	151
HlB	Highmore-Glenham silt loams, 2 to 5 percent slopes	Glenham	30	56	78	94	107
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	70	99	134	159	179
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	20	89	121	145	163
Hn	Hoven silt loam	Hoven	99	88	119	142	160
Ho	Hoven-Onita silt loams	Hoven	55	88	119	142	160
Ho	Hoven-Onita silt loams	Onita	30	107	143	170	191
JbD	Java-Betts loams, 9 to 15 percent slopes	Java	60	63	87	106	120
JbD	Java-Betts loams, 9 to 15 percent slopes	Betts	30	70	96	116	131
JgC	Java-Glenham loams, 2 to 9 percent slopes	Java	50	63	87	106	120
JgC	Java-Glenham loams, 2 to 9 percent slopes	Glenham	35	56	78	94	107
JlA	Jerauld silt loam, 0 to 2 percent slopes	Jerauld	70	65	89	107	122
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	171	226	266	296
LoB	Lowry silt loam, 2 to 5 percent slopes	Lowry	85	171	226	266	296
LoC	Lowry silt loam, 5 to 9 percent slopes	Lowry	90	171	226	266	296
LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Lowry	60	171	226	266	296
LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Urbanland	30	64	88	106	121
LuC	Lowry-Urban land complex, 5 to 9 percent slopes	Lowry	55	171	226	266	296
LuC	Lowry-Urban land complex, 5 to 9 percent slopes	Urbanland	40	64	88	106	121

South Dakota Lateral Effect Tables for Hughes County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ma	Macken silty clay	Macken	86	75	103	123	139
Mar	Marsh	Aquolls	95	66	91	109	124
MbA	Millboro silty clay loam, 0 to 2 percent slopes	Millboro	85	81	110	132	149
MoA	Mosher silt loam, 0 to 2 percent slopes	Mosher	70	91	123	147	166
Mu	Munjor fine sandy loam	Munjor	75	98	132	157	177
OaC	Oahe-Orton loams, 2 to 9 percent slopes	Oahe	55	505	650	754	832
OaC	Oahe-Orton loams, 2 to 9 percent slopes	Orton	30	415	536	622	688
OcB	Oko clay loam, 2 to 5 percent slopes	Oko	85	42	60	73	84
OcC	Oko clay loam, 5 to 9 percent slopes	Oko	85	42	60	73	84
OdC	Oko-Jerauld complex, 2 to 9 percent slopes	Oko	60	42	60	73	84
OdC	Oko-Jerauld complex, 2 to 9 percent slopes	Jerauld	30	65	89	107	122
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	107	143	170	191
OoA	Onita-Hoven silt loams, 0 to 1 percent slopes	Onita	60	107	143	170	191
OoA	Onita-Hoven silt loams, 0 to 1 percent slopes	Hoven	25	88	119	142	160
PeD	Peno-Gettys clay loams, 9 to 15 percent slopes	Peno	50	40	57	70	81
PeD	Peno-Gettys clay loams, 9 to 15 percent slopes	Gettys	35	40	57	70	81
PnD	Peno-Bullcreek complex, 3 to 15 percent slopes	Peno	50	40	57	70	81
PnD	Peno-Bullcreek complex, 3 to 15 percent slopes	Bullcreek	20	60	83	100	114
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	29	125	149	168
PrB	Promise clay, 2 to 5 percent slopes	Promise	90	29	125	149	168
PsA	Promise-Mosher complex, 0 to 2 percent slopes	Promise	68	29	125	149	168
PsA	Promise-Mosher complex, 0 to 2 percent slopes	Mosher	30	91	123	147	166
RaA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	45	48	67	82	93
RaA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	67	92	111	126
RaB	Raber-Cavo loams, 2 to 5 percent slopes	Raber	60	48	67	82	93
RaB	Raber-Cavo loams, 2 to 5 percent slopes	Cavo	30	67	92	111	126
RbC	Raber-Peno clay loam	Raber	50	48	67	82	93
RbC	Raber-Peno clay loam	Peno	35	40	57	70	81
RdC	Raber and Oko stony soils, 3 to 15 percent slopes	Oko	40	46	64	79	90
RdC	Raber and Oko stony soils, 3 to 15 percent slopes	Raber	40	48	67	82	93
ReA	Ree loam, 0 to 2 percent slopes	Ree	85	145	193	227	254
ReB	Ree loam, 2 to 5 percent slopes	Ree	85	145	193	227	254
RmA	Ree-Mosher complex, 0 to 2 percent slopes	Ree	60	145	193	227	254
RmA	Ree-Mosher complex, 0 to 2 percent slopes	Mosher	25	91	123	147	166
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent	Gettys	30	40	57	70	81
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent	Rockoutcrop	20	59	81	98	112
SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Gettys	30	40	57	70	81
Sd	Sansarc-Shale outcrop complex	Rockoutcrop	30	59	81	98	112
Sf	Schamber-Orton complex	Schamber	65	431	557	647	715
Sf	Schamber-Orton complex	Orton	25	415	536	622	688
Sh	Shale land	Rockoutcrop	85	59	81	98	112
SuA	Sully silt loam, 0 to 2 percent slopes	Sully	90	134	179	211	236
SuC	Sully silt loam, 2 to 9 percent slopes	Sully	90	134	179	211	236
SuD	Sully silt loam, 9 to 15 percent slopes	Sully	85	134	179	211	236
SuE	Sully silt loam, 15 to 35 percent slopes	Sully	80	134	179	211	236
SwB	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	80	60	83	100	114
Sx	Bullcreek-Slickspots complex	Bullcreek	68	60	83	100	114
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
ChC	Chantier clay, 2 to 9 percent slopes	Chantier	90	barrier	barrier	barrier	barrier
Cu	Cut and Fill land	Orthents	60	barrier	barrier	barrier	barrier
Cu	Cut and Fill land	Orthents	40	barrier	barrier	barrier	barrier
HuB	Hurley silt loam, 0 to 6 percent slopes	Hurley	80	barrier	barrier	barrier	barrier
OpB	Opal clay, 2 to 5 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OpC	Opal clay, 5 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Opal	50	barrier	barrier	barrier	barrier
OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Lakoma	40	barrier	barrier	barrier	barrier
Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent	Lakoma	30	barrier	barrier	barrier	barrier
SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Lakoma	40	barrier	barrier	barrier	barrier
ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
Sd	Sansarc-Shale outcrop complex	Sansarc	55	barrier	barrier	barrier	barrier
Sx	Bullcreek-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
BdA	Bend-Edwin complex, 0 to 4 percent slopes	Bend	50	134	172	200	220
BdA	Bend-Edwin complex, 0 to 4 percent slopes	Edwin	40	205	263	304	334
BkE	Betts-Java loams, 9 to 20 percent slopes	Betts	55	74	96	112	124
BkE	Betts-Java loams, 9 to 20 percent slopes	Java	35	70	91	106	117
BkF	Betts-Java loams, 20 to 40 percent slopes	Betts	55	74	96	112	124
BkF	Betts-Java loams, 20 to 40 percent slopes	Java	35	70	91	106	117
Bn	Bon loam, channeled	Bon	90	110	142	164	181
BuA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	95	69	90	105	116
CcA	Capa-Carter silt loams, 0 to 4 percent slopes	Capa	55	83	108	125	138
CcA	Capa-Carter silt loams, 0 to 4 percent slopes	Carter	35	105	136	157	174
ClA	Capa-Slickspots complex, 0 to 4 percent slopes	Capa	60	83	108	125	138
ClA	Capa-Slickspots complex, 0 to 4 percent slopes	Slickspots	30	48	54	barrier	barrier
CpA	Carter-Promise complex, 0 to 3 percent slopes	Carter	50	105	136	157	174
CpA	Carter-Promise complex, 0 to 3 percent slopes	Promise	40	87	113	131	145
CrA	Cavo-Jerauld loams, 0 to 4 percent slopes	Cavo	55	79	102	119	131
CrA	Cavo-Jerauld loams, 0 to 4 percent slopes	Jerauld	35	71	92	107	119
Cs	Cavo-Stickney loams	Cavo	55	79	102	119	131
Cs	Cavo-Stickney loams	Stickney	35	70	91	106	117
Df	DeGrey-Walke silt loams	DeGrey	55	89	115	134	148
Df	DeGrey-Walke silt loams	Walke	35	95	123	143	158
DnB	Delmont-Oahe loams, 2 to 6 percent slopes	Delmont	60	546	696	802	882
DnB	Delmont-Oahe loams, 2 to 6 percent slopes	Oahe	30	470	599	691	759
Du	Durrstein-Egas complex	Durrstein	55	83	107	124	138
Du	Durrstein-Egas complex	Egas	35	82	106	124	137
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Eakin	65	94	121	141	156
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Peno	25	51	67	78	86
ErA	Eakin-Raber complex, 0 to 2 percent slopes	Eakin	65	94	121	141	156
ErA	Eakin-Raber complex, 0 to 2 percent slopes	Raber	25	57	75	87	97
ErB	Eakin-Raber complex, 2 to 6 percent slopes	Eakin	55	94	121	141	156
ErB	Eakin-Raber complex, 2 to 6 percent slopes	Raber	35	57	75	87	97
GfF	Gettys-Sansarc complex, 9 to 40 percent slopes	Gettys	50	50	65	77	85
GfF	Gettys-Sansarc complex, 9 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
GmB	Glenham-Java loams, 2 to 6 percent slopes	Glenham	60	55	72	84	93
GmB	Glenham-Java loams, 2 to 6 percent slopes	Java	30	70	91	106	117
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Glenham	40	55	72	84	93
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Java	30	70	91	106	117
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Cavo	20	79	102	119	131
GrA	Glenham-Prosper loams, 0 to 2 percent slopes	Glenham	55	55	72	84	93
GrA	Glenham-Prosper loams, 0 to 2 percent slopes	Prosper	35	85	110	128	142
GrB	Glenham-Prosper loams, 2 to 6 percent slopes	Glenham	60	55	72	84	93
GrB	Glenham-Prosper loams, 2 to 6 percent slopes	Prosper	30	87	113	131	145
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Glenham	40	55	72	84	93
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Prosper	25	85	110	128	142
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Hoven	20	80	103	120	133
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Glenham	40	55	72	84	93
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Prosper	25	87	113	131	145
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Java	20	70	91	106	117
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Glenham	35	55	72	84	93
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Stickney	30	70	91	106	117
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Hoven	25	80	103	120	133
HaA	Henkin-Blendon fine sandy loams, 0 to 4 percent slopes	Henkin	55	180	231	267	294
HaA	Henkin-Blendon fine sandy loams, 0 to 4 percent slopes	Blendon	35	201	258	298	328
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	50	91	118	137	151
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	40	89	115	134	148
HdB	Highmore-DeGrey silt loams, 2 to 6 percent slopes	Highmore	55	91	118	137	151
HdB	Highmore-DeGrey silt loams, 2 to 6 percent slopes	DeGrey	35	89	115	134	148
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	65	91	118	137	151
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	94	121	141	156
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	55	91	118	137	151
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	35	94	121	141	156
Ho	Hoven silt loam	Hoven	95	80	103	120	133
HuB	Hurley silt loam, 0 to 6 percent slopes	Hurley	85	35	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Java	40	81	105	122	135
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Glenham	30	55	72	84	93
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Prosper	20	87	113	131	145
JbD	Java-Betts loams, 6 to 15 percent slopes	Java	60	70	91	106	117
JbD	Java-Betts loams, 6 to 15 percent slopes	Betts	30	74	96	112	124
JcD	Java-Betts, stony, loams, 6 to 25 percent slopes	Java	55	70	91	106	117
JcD	Java-Betts, stony, loams, 6 to 25 percent slopes	Betts	35	74	96	112	124
JgB	Java-Glenham loams, 2 to 6 percent slopes	Java	50	70	91	106	117
JgB	Java-Glenham loams, 2 to 6 percent slopes	Glenham	40	55	72	84	93
JgC	Java-Glenham loams, 6 to 9 percent slopes	Java	55	70	91	106	117
JgC	Java-Glenham loams, 6 to 9 percent slopes	Glenham	35	55	72	84	93
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Java	40	70	91	106	117
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Glenham	30	55	72	84	93
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Prosper	20	87	113	131	145
JsA	Jerauld-Slickspots complex, 0 to 4 percent slopes	Jerauld	70	71	92	107	119
JsA	Jerauld-Slickspots complex, 0 to 4 percent slopes	Slickspots	20	48	54	barrier	barrier
Ko	Kolls clay	Kolls	95	71	93	108	119
Lc	Lawet loam	Lawet	95	113	145	168	186
Ma	Macken silty clay loam	Macken	95	96	123	143	158
Mb	Macken silty clay loam, ponded	Macken	95	76	99	115	127
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	90	470	599	691	759
OdA	Oahe-Delmont loams, 0 to 2 percent slopes	Oahe	65	470	599	691	759
OdA	Oahe-Delmont loams, 0 to 2 percent slopes	Delmont	25	546	696	802	882
OkB	Oko clay loam, 2 to 6 percent slopes	Oko	90	35	40	barrier	barrier
OkC	Oko clay loam, 6 to 9 percent slopes	Oko	90	35	40	barrier	barrier
OkD	Oko clay loam, 9 to 20 percent slopes	Oko	90	35	40	barrier	barrier
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	121	155	180	199
Os	Onita-Hoven silt loams	Onita	50	121	155	180	199
Os	Onita-Hoven silt loams	Hoven	40	80	103	120	133
OtB	Opal clay, 2 to 6 percent slopes	Opal	90	39	barrier	barrier	barrier
OtC	Opal clay, 6 to 9 percent slopes	Opal	90	39	barrier	barrier	barrier
OuD	Opal-Sansarc clays, 9 to 20 percent slopes	Opal	50	39	barrier	barrier	barrier
OuD	Opal-Sansarc clays, 9 to 20 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
OxD	Orton-Talmo loams, 9 to 25 percent slopes	Orton	50	510	650	749	824
OxD	Orton-Talmo loams, 9 to 25 percent slopes	Talmo	40	512	652	752	826
PgD	Peno-Gettys complex, 9 to 25 percent slopes	Peno	60	51	67	78	86
PgD	Peno-Gettys complex, 9 to 25 percent slopes	Gettys	30	50	65	77	85
Pk	Plankinton silt loam	Plankinton	95	99	128	149	164
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	95	87	113	131	145
PrB	Promise silty clay, 2 to 6 percent slopes	Promise	95	83	108	125	138
Ps	Prosper loam	Prosper	95	85	110	128	142
RaA	Raber loam, 0 to 2 percent slopes	Raber	90	57	75	87	97
RaB	Raber loam, 2 to 6 percent slopes	Raber	90	57	75	87	97
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	50	57	75	87	97
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	79	102	119	131
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Raber	55	57	75	87	97
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Cavo	35	79	102	119	131
RpB	Raber-Peno loams, 2 to 6 percent slopes	Raber	60	57	75	87	97
RpB	Raber-Peno loams, 2 to 6 percent slopes	Peno	30	51	67	78	86
RpC	Raber-Peno loams, 6 to 9 percent slopes	Raber	55	57	75	87	97
RpC	Raber-Peno loams, 6 to 9 percent slopes	Peno	35	51	67	78	86
RrA	Ree loam, 0 to 2 percent slopes	Ree	95	148	191	221	243
RsF	Rock outcrop-Sansarc complex, 15 to 40 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
SbF	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
SbF	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	25	39	barrier	barrier	barrier
StA	Stickney-Java loams, 0 to 4 percent slopes	Stickney	55	70	91	106	117
StA	Stickney-Java loams, 0 to 4 percent slopes	Java	35	70	91	106	117
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Stickney	35	70	91	106	117
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Java	30	70	91	106	117
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Hoven	20	80	103	120	133
TaE	Talmo loam, 9 to 25 percent slopes	Talmo	90	512	652	752	826
TbA	Talmo sandy loam, 0 to 3 percent slopes	Talmo	90	394	503	580	638
TcF	Talmo, stony-Java loams, 9 to 40 percent slopes	Talmo	65	512	652	752	826

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
TcF	Talmo, stony-Java loams, 9 to 40 percent slopes	Java	25	68	89	103	114
TdD	Talmo-Delmont loams, 3 to 15 percent slopes	Talmo	60	512	652	752	826
TdD	Talmo-Delmont loams, 3 to 15 percent slopes	Delmont	30	546	696	802	882
Te	Tetonka silt loam	Tetonka	95	100	129	150	165
Wd	Wendte silty clay, channeled	Wendte	90	90	116	135	149

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
BdA	Bend-Edwin complex, 0 to 4 percent slopes	Bend	50	120	161	190	213
BdA	Bend-Edwin complex, 0 to 4 percent slopes	Edwin	40	191	251	294	327
BkE	Betts-Java loams, 9 to 20 percent slopes	Betts	55	62	85	103	117
BkE	Betts-Java loams, 9 to 20 percent slopes	Java	35	58	80	97	110
BkF	Betts-Java loams, 20 to 40 percent slopes	Betts	55	62	85	103	117
BkF	Betts-Java loams, 20 to 40 percent slopes	Java	35	58	80	97	110
Bn	Bon loam, channeled	Bon	90	96	130	155	174
BuA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	95	57	79	96	109
CcA	Capa-Carter silt loams, 0 to 4 percent slopes	Capa	55	70	97	116	131
CcA	Capa-Carter silt loams, 0 to 4 percent slopes	Carter	35	92	124	148	167
ClA	Capa-Slickspots complex, 0 to 4 percent slopes	Capa	60	70	97	116	131
ClA	Capa-Slickspots complex, 0 to 4 percent slopes	Slickspots	30	46	54	barrier	barrier
CpA	Carter-Promise complex, 0 to 3 percent slopes	Carter	50	92	124	148	167
CpA	Carter-Promise complex, 0 to 3 percent slopes	Promise	40	74	102	122	138
CrA	Cavo-Jerauld loams, 0 to 4 percent slopes	Cavo	55	66	91	110	125
CrA	Cavo-Jerauld loams, 0 to 4 percent slopes	Jerauld	35	59	81	99	112
Cs	Cavo-Stickney loams	Cavo	55	66	91	110	125
Cs	Cavo-Stickney loams	Stickney	35	58	80	97	111
Df	DeGrey-Walke silt loams	DeGrey	55	76	104	125	141
Df	DeGrey-Walke silt loams	Walke	35	82	112	134	151
DnB	Delmont-Oahe loams, 2 to 6 percent slopes	Delmont	60	531	683	792	875
DnB	Delmont-Oahe loams, 2 to 6 percent slopes	Oahe	30	455	586	681	752
Du	Durrstein-Egas complex	Durrstein	55	70	96	115	131
Du	Durrstein-Egas complex	Egas	35	70	96	115	130
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Eakin	65	81	110	132	149
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Peno	25	40	57	70	80
ErA	Eakin-Raber complex, 0 to 2 percent slopes	Eakin	65	81	110	132	149
ErA	Eakin-Raber complex, 0 to 2 percent slopes	Raber	25	46	65	79	90
ErB	Eakin-Raber complex, 2 to 6 percent slopes	Eakin	55	81	110	132	149
ErB	Eakin-Raber complex, 2 to 6 percent slopes	Raber	35	46	65	79	90
GfF	Gettys-Sansarc complex, 9 to 40 percent slopes	Gettys	50	39	56	68	79
GfF	Gettys-Sansarc complex, 9 to 40 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
GmB	Glenham-Java loams, 2 to 6 percent slopes	Glenham	60	44	62	76	87
GmB	Glenham-Java loams, 2 to 6 percent slopes	Java	30	58	80	97	110
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Glenham	40	44	62	76	87
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Java	30	58	80	97	110
GnA	Glenham-Java-Cavo loams, 0 to 4 percent slopes	Cavo	20	66	91	110	125
GrA	Glenham-Prosper loams, 0 to 2 percent slopes	Glenham	55	44	62	76	87
GrA	Glenham-Prosper loams, 0 to 2 percent slopes	Prosper	35	73	99	119	135
GrB	Glenham-Prosper loams, 2 to 6 percent slopes	Glenham	60	44	62	76	87
GrB	Glenham-Prosper loams, 2 to 6 percent slopes	Prosper	30	74	102	122	138
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Glenham	40	44	62	76	87
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Prosper	25	73	99	119	135
GsA	Glenham-Prosper-Hoven complex, 0 to 4 percent slopes	Hoven	20	67	92	111	126
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Glenham	40	44	62	76	87
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Prosper	25	74	102	122	138
GtB	Glenham-Prosper-Java loams, 1 to 6 percent slopes	Java	20	58	80	97	110
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Glenham	35	44	62	76	87
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Stickney	30	58	80	97	111
GuA	Glenham-Stickney-Hoven complex, 0 to 4 percent slopes	Hoven	25	67	92	111	126
HaA	Henkin-Blendon fine sandy loams, 0 to 4 percent slopes	Henkin	55	166	219	258	287
HaA	Henkin-Blendon fine sandy loams, 0 to 4 percent slopes	Blendon	35	187	246	289	321
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	50	78	107	128	145
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	40	76	104	125	141
HdB	Highmore-DeGrey silt loams, 2 to 6 percent slopes	Highmore	55	78	107	128	145
HdB	Highmore-DeGrey silt loams, 2 to 6 percent slopes	DeGrey	35	76	104	125	141
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	65	78	107	128	145
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	81	110	132	149
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	55	78	107	128	145
HeB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	35	81	110	132	149
Ho	Hoven silt loam	Hoven	95	67	92	111	126
HuB	Hurley silt loam, 0 to 6 percent slopes	Hurley	85	35	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Java	40	68	94	113	128
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Glenham	30	44	62	76	87
JaC	Java, stony-Glenham-Prosper loams, 1 to 9 percent slopes	Prosper	20	74	102	122	138
JbD	Java-Betts loams, 6 to 15 percent slopes	Java	60	58	80	97	110
JbD	Java-Betts loams, 6 to 15 percent slopes	Betts	30	62	85	103	117
JcD	Java-Betts, stony, loams, 6 to 25 percent slopes	Java	55	58	80	97	110
JcD	Java-Betts, stony, loams, 6 to 25 percent slopes	Betts	35	62	85	103	117
JgB	Java-Glenham loams, 2 to 6 percent slopes	Java	50	58	80	97	110
JgB	Java-Glenham loams, 2 to 6 percent slopes	Glenham	40	44	62	76	87
JgC	Java-Glenham loams, 6 to 9 percent slopes	Java	55	58	80	97	110
JgC	Java-Glenham loams, 6 to 9 percent slopes	Glenham	35	44	62	76	87
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Java	40	58	80	97	110
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Glenham	30	44	62	76	87
JhC	Java-Glenham-Prosper loams, 1 to 9 percent slopes	Prosper	20	74	102	122	138
JsA	Jerauld-Slickspots complex, 0 to 4 percent slopes	Jerauld	70	59	81	99	112
JsA	Jerauld-Slickspots complex, 0 to 4 percent slopes	Slickspots	20	46	54	barrier	barrier
Ko	Kolls clay	Kolls	95	59	82	99	113
Lc	Lawet loam	Lawet	95	99	134	159	179
Ma	Macken silty clay loam	Macken	95	83	112	134	151
Mb	Macken silty clay loam, ponded	Macken	95	64	88	106	120
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	90	455	586	681	752
OdA	Oahe-Delmont loams, 0 to 2 percent slopes	Oahe	65	455	586	681	752
OdA	Oahe-Delmont loams, 0 to 2 percent slopes	Delmont	25	531	683	792	875
OkB	Oko clay loam, 2 to 6 percent slopes	Oko	90	33	40	barrier	barrier
OkC	Oko clay loam, 6 to 9 percent slopes	Oko	90	33	40	barrier	barrier
OkD	Oko clay loam, 9 to 20 percent slopes	Oko	90	33	40	barrier	barrier
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	107	144	171	192
Os	Onita-Hoven silt loams	Onita	50	107	144	171	192
Os	Onita-Hoven silt loams	Hoven	40	67	92	111	126
OtB	Opal clay, 2 to 6 percent slopes	Opal	90	38	barrier	barrier	barrier
OtC	Opal clay, 6 to 9 percent slopes	Opal	90	38	barrier	barrier	barrier
OuD	Opal-Sansarc clays, 9 to 20 percent slopes	Opal	50	38	barrier	barrier	barrier
OuD	Opal-Sansarc clays, 9 to 20 percent slopes	Sansarc	40	barrier	barrier	barrier	barrier
OxD	Orton-Talmo loams, 9 to 25 percent slopes	Orton	50	495	637	739	816
OxD	Orton-Talmo loams, 9 to 25 percent slopes	Talmo	40	496	639	742	819
PgD	Peno-Gettys complex, 9 to 25 percent slopes	Peno	60	40	57	70	80
PgD	Peno-Gettys complex, 9 to 25 percent slopes	Gettys	30	39	56	68	79
Pk	Plankinton silt loam	Plankinton	95	86	117	140	157
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	95	74	102	122	138
PrB	Promise silty clay, 2 to 6 percent slopes	Promise	95	70	97	116	132
Ps	Prosper loam	Prosper	95	73	99	119	135
RaA	Raber loam, 0 to 2 percent slopes	Raber	90	46	65	79	90
RaB	Raber loam, 2 to 6 percent slopes	Raber	90	46	65	79	90
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	50	46	65	79	90
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	66	91	110	125
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Raber	55	46	65	79	90
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Cavo	35	66	91	110	125
RpB	Raber-Peno loams, 2 to 6 percent slopes	Raber	60	46	65	79	90
RpB	Raber-Peno loams, 2 to 6 percent slopes	Peno	30	40	57	70	80
RpC	Raber-Peno loams, 6 to 9 percent slopes	Raber	55	46	65	79	90
RpC	Raber-Peno loams, 6 to 9 percent slopes	Peno	35	40	57	70	80
RrA	Ree loam, 0 to 2 percent slopes	Ree	95	134	179	211	236
RsF	Rock outcrop-Sansarc complex, 15 to 40 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
SbF	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
SbF	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	25	38	barrier	barrier	barrier
StA	Stickney-Java loams, 0 to 4 percent slopes	Stickney	55	58	80	97	111
StA	Stickney-Java loams, 0 to 4 percent slopes	Java	35	58	80	97	110
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Stickney	35	58	80	97	111
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Java	30	58	80	97	110
SvA	Stickney-Java-Hoven complex, 0 to 4 percent slopes	Hoven	20	67	92	111	126
TaE	Talmo loam, 9 to 25 percent slopes	Talmo	90	496	639	742	819
TbA	Talmo sandy loam, 0 to 3 percent slopes	Talmo	90	379	491	570	631
TcF	Talmo, stony-Java loams, 9 to 40 percent slopes	Talmo	65	496	639	742	819

South Dakota Lateral Effect Tables for Hyde County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
TcF	Talmo, stony-Java loams, 9 to 40 percent slopes	Java	25	56	78	94	108
TdD	Talmo-Delmont loams, 3 to 15 percent slopes	Talmo	60	496	639	742	819
TdD	Talmo-Delmont loams, 3 to 15 percent slopes	Delmont	30	531	683	792	875
Te	Tetonka silt loam	Tetonka	95	87	118	141	158
Wd	Wendte silty clay, channeled	Wendte	90	77	105	126	142

South Dakota Lateral Effect Tables for Jerauld County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ad	Alwilda loam	Alwilda	90	195	250	289	319
Af	Arlo loam	Arlo	90	189	242	280	308
Ar	Artesian silty clay	Artesian	85	85	110	128	141
At	Artesian-Bullcreek complex	Artesian	50	85	110	128	141
At	Artesian-Bullcreek complex	Bullcreek	40	68	88	102	113
Av	Artesian-Durrstein variant complex	Artesian	60	85	110	128	141
Av	Artesian-Durrstein variant complex	Durrstein	30	76	99	115	128
Ba	Baltic silty clay	Baltic	85	70	90	105	117
BdA	Beadle loam, 0 to 2 percent slopes	Beadle	85	56	73	85	95
BdB	Beadle loam, 2 to 6 percent slopes	Beadle	85	56	73	85	95
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Beadle	45	56	73	85	95
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Jerauld	30	69	89	104	115
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Dudley	15	79	103	119	132
BlB	Beadle-Lane complex, 1 to 5 percent slopes	Beadle	45	56	73	85	95
BlB	Beadle-Lane complex, 1 to 5 percent slopes	Lane	45	81	105	122	135
BmD	Betts-Ethan loams, 6 to 40 percent slopes, stony	Betts	45	64	84	98	108
BmD	Betts-Ethan loams, 6 to 40 percent slopes, stony	Ethan	35	65	84	98	109
BoE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	55	64	84	98	108
BoE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	68	88	103	114
Br	Bon loam	Bon	85	108	139	162	178
Bv	Bon loam, channeled	Bon	90	118	152	177	195
CdB	Canning-Delmont loams, 2 to 6 percent slopes	Canning	50	469	598	690	759
CdB	Canning-Delmont loams, 2 to 6 percent slopes	Delmont	40	536	682	787	865
Cm	Clamo silty clay loam	Clamo	90	111	143	166	184
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Clarno	50	72	94	109	121
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	68	88	103	114
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	82	106	123	136
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Clarno	50	72	94	109	121
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	25	68	88	103	114
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	82	106	123	136
CrA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	60	72	94	109	121
CrA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	30	82	106	123	136
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	99	128	149	164
DaB	Davis loam, 2 to 9 percent slopes	Davis	90	99	128	149	164
Dc	Davison loam	Davison	85	139	178	207	228
DeC	Delmont loam, 6 to 9 percent slopes	Delmont	85	536	682	787	865
DgA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	70	536	682	787	865
DgA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	25	555	707	815	897
DkD	Delmont-Ethan loams, 9 to 20 percent slopes	Delmont	60	536	682	787	865
DkD	Delmont-Ethan loams, 9 to 20 percent slopes	Ethan	30	68	88	103	114
DmD	Delmont-Talmo loams, 9 to 20 percent slopes	Delmont	50	536	682	787	865
DmD	Delmont-Talmo loams, 9 to 20 percent slopes	Talmo	40	495	631	728	800
DpA	Dudley-Jerauld complex, 0 to 3 percent slopes	Dudley	45	79	103	119	132
DpA	Dudley-Jerauld complex, 0 to 3 percent slopes	Jerauld	40	69	89	104	115
Du	Durrstein silt loam	Durrstein	90	62	81	94	104
Dx	Durrstein-Egas complex	Durrstein	55	62	81	94	104
Dx	Durrstein-Egas complex	Egas	30	75	97	113	125
Dz	Durrstein variant-Artesian complex	Durrstein	55	76	99	115	128
Dz	Durrstein variant-Artesian complex	Artesian	35	85	110	128	141
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Eakin	45	100	129	149	165
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Ethan	25	68	88	103	114
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Onita	15	112	144	167	185
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	555	707	815	897
EpB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	55	555	707	815	897
EpB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	30	536	682	787	865
EtD	Ethan-Betts loams, 9 to 20 percent slopes	Ethan	50	68	88	103	114
EtD	Ethan-Betts loams, 9 to 20 percent slopes	Betts	30	64	84	98	108
Fa	Farmsworth-Artesian complex	Farmsworth	55	111	143	166	183
Fa	Farmsworth-Artesian complex	Artesian	40	85	110	128	141
Fd	Farmsworth-Lane complex	Farmsworth	50	111	143	166	183
Fd	Farmsworth-Lane complex	Lane	40	81	105	122	135
Fe	Fedora loam	Fedora	85	221	283	326	359

South Dakota Lateral Effect Tables for Jerauld County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
GpD	Gettys-Peno complex, 9 to 20 percent slopes	Gettys	55	49	65	76	84
GpD	Gettys-Peno complex, 9 to 20 percent slopes	Peno	35	47	62	73	81
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Hand	50	148	190	220	243
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	68	88	103	114
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	82	106	123	136
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Hand	40	148	190	220	243
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	68	88	103	114
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	82	106	123	136
HcA	Hand-Prosper loams, 0 to 3 percent slopes	Hand	55	148	190	220	243
HcA	Hand-Prosper loams, 0 to 3 percent slopes	Prosper	25	82	106	123	136
HeB	Henkin loam, 1 to 5 percent slopes	Henkin	85	168	216	249	275
HfD	Henkin variant sandy loam, 6 to 40 percent slopes	Henkin	85	186	238	275	303
HhA	Highmore-Onita silt loams, 0 to 3 percent slopes	Highmore	55	92	119	138	152
HhA	Highmore-Onita silt loams, 0 to 3 percent slopes	Onita	30	112	144	167	185
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Homme	55	83	107	124	137
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Onita	20	112	144	167	185
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Beadle	15	56	73	85	95
HpB	Homme-Peno complex, 2 to 6 percent slopes	Homme	55	83	107	124	137
HpB	Homme-Peno complex, 2 to 6 percent slopes	Peno	30	47	62	73	81
HpC	Homme-Peno complex, 6 to 9 percent slopes	Homme	45	83	107	124	137
HpC	Homme-Peno complex, 6 to 9 percent slopes	Peno	40	47	62	73	81
HrA	Houdek-Dudley complex, 0 to 3 percent slopes	Houdek	50	69	90	104	115
HrA	Houdek-Dudley complex, 0 to 3 percent slopes	Dudley	40	79	103	119	132
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Houdek	45	69	90	104	115
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Dudley	30	79	103	119	132
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Jerauld	15	69	89	104	115
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Houdek	45	69	90	104	115
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	68	88	103	114
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	82	106	123	136
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	40	69	90	104	115
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	68	88	103	114
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	82	106	123	136
HyA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	55	69	90	104	115
HyA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	25	82	106	123	136
Ln	Lane silty clay loam	Lane	85	81	105	122	135
Lw	Lawet loam	Lawet	85	76	99	115	127
On	Onita silt loam, 0 to 3 percent slopes	Onita	85	112	144	167	185
Op	Onita-Plankinton silt loams	Onita	60	112	144	167	185
Op	Onita-Plankinton silt loams	Plankinton	30	104	134	155	171
PgC	Peno-Gettys complex, 6 to 9 percent slopes	Peno	60	47	62	73	81
PgC	Peno-Gettys complex, 6 to 9 percent slopes	Gettys	30	49	65	76	84
Pk	Plankinton silt loam	Plankinton	85	104	134	155	171
Pr	Plankinton-Crossplain complex	Plankinton	70	104	134	155	171
Pr	Plankinton-Crossplain complex	Crossplain	20	64	83	97	108
ReA	Ree loam, 0 to 2 percent slopes	Ree	90	372	475	548	603
ReB	Ree loam, 2 to 6 percent slopes	Ree	85	372	475	548	603
RnA	Ree-Canning loams, 0 to 2 percent slopes	Ree	70	372	475	548	603
RnA	Ree-Canning loams, 0 to 2 percent slopes	Canning	25	469	598	690	759
RnB	Ree-Canning loams, 2 to 6 percent slopes	Ree	50	372	475	548	603
RnB	Ree-Canning loams, 2 to 6 percent slopes	Canning	45	469	598	690	759
Te	Tetonka silt loam	Tetonka	85	99	128	149	164
Wo	Worthing silty clay loam	Worthing	90	81	105	122	135
Wp	Worthing silty clay loam, ponded	Worthing	100	81	105	122	135

South Dakota Lateral Effect Tables for Jerauld County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ad	Alwilda loam	Alwilda	90	181	238	280	312
Af	Arlo loam	Arlo	90	175	230	270	301
Ar	Artesian silty clay	Artesian	85	72	99	119	134
At	Artesian-Bullcreek complex	Artesian	50	72	99	119	134
At	Artesian-Bullcreek complex	Bullcreek	40	56	77	94	107
Av	Artesian-Durrstein variant complex	Artesian	60	72	99	119	134
Av	Artesian-Durrstein variant complex	Durrstein	30	64	88	107	121
Ba	Baltic silty clay	Baltic	85	57	80	97	110
BdA	Beadle loam, 0 to 2 percent slopes	Beadle	85	45	63	77	88
BdB	Beadle loam, 2 to 6 percent slopes	Beadle	85	45	63	77	88
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Beadle	45	45	63	77	88
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Jerauld	30	57	79	95	109
BgB	Beadle-Jerauld-Dudley complex, 1 to 5 percent slopes	Dudley	15	67	92	110	125
BlB	Beadle-Lane complex, 1 to 5 percent slopes	Beadle	45	45	63	77	88
BlB	Beadle-Lane complex, 1 to 5 percent slopes	Lane	45	69	94	113	128
BmD	Betts-Ethan loams, 6 to 40 percent slopes, stony	Betts	45	52	73	89	101
BmD	Betts-Ethan loams, 6 to 40 percent slopes, stony	Ethan	35	53	74	90	102
BoE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	55	52	73	89	101
BoE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	56	77	94	107
Br	Bon loam	Bon	85	95	128	153	172
Bv	Bon loam, channeled	Bon	90	105	141	167	188
CdB	Canning-Delmont loams, 2 to 6 percent slopes	Canning	50	454	586	680	751
CdB	Canning-Delmont loams, 2 to 6 percent slopes	Delmont	40	520	670	777	858
Cm	Clamo silty clay loam	Clamo	90	98	132	157	177
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Clarno	50	60	83	100	114
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	56	77	94	107
CpB	Clarno-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	69	95	114	129
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Clarno	50	60	83	100	114
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	25	56	77	94	107
CpC	Clarno-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	69	95	114	129
CrA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	60	60	83	100	114
CrA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	30	69	95	114	129
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	86	117	140	157
DaB	Davis loam, 2 to 9 percent slopes	Davis	90	86	117	140	157
Dc	Davison loam	Davison	85	125	167	197	221
DeC	Delmont loam, 6 to 9 percent slopes	Delmont	85	520	670	777	858
DgA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	70	520	670	777	858
DgA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	25	540	695	806	889
DkD	Delmont-Ethan loams, 9 to 20 percent slopes	Delmont	60	520	670	777	858
DkD	Delmont-Ethan loams, 9 to 20 percent slopes	Ethan	30	56	77	94	107
DmD	Delmont-Talmo loams, 9 to 20 percent slopes	Delmont	50	520	670	777	858
DmD	Delmont-Talmo loams, 9 to 20 percent slopes	Talmo	40	480	619	718	793
DpA	Dudley-Jerauld complex, 0 to 3 percent slopes	Dudley	45	67	92	110	125
DpA	Dudley-Jerauld complex, 0 to 3 percent slopes	Jerauld	40	57	79	95	109
Du	Durrstein silt loam	Durrstein	90	50	70	86	98
Dx	Durrstein-Egas complex	Durrstein	55	50	70	86	98
Dx	Durrstein-Egas complex	Egas	30	63	86	104	118
Dz	Durrstein variant-Artesian complex	Durrstein	55	64	88	107	121
Dz	Durrstein variant-Artesian complex	Artesian	35	72	99	119	134
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Eakin	45	86	117	140	158
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Ethan	25	56	77	94	107
EaB	Eakin-Ethan-Onita complex, 2 to 6 percent slopes	Onita	15	99	133	158	178
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	540	695	806	889
EpB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	55	540	695	806	889
EpB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	30	520	670	777	858
EtD	Ethan-Betts loams, 9 to 20 percent slopes	Ethan	50	56	77	94	107
EtD	Ethan-Betts loams, 9 to 20 percent slopes	Betts	30	52	73	89	101
Fa	Farmsworth-Artesian complex	Farmsworth	55	98	132	157	176
Fa	Farmsworth-Artesian complex	Artesian	40	72	99	119	134
Fd	Farmsworth-Lane complex	Farmsworth	50	98	132	157	176
Fd	Farmsworth-Lane complex	Lane	40	69	94	113	128
Fe	Fedora loam	Fedora	85	206	270	317	352

South Dakota Lateral Effect Tables for Jerauld County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
GpD	Gettys-Peno complex, 9 to 20 percent slopes	Gettys	55	39	55	68	78
GpD	Gettys-Peno complex, 9 to 20 percent slopes	Peno	35	37	52	65	75
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Hand	50	134	178	211	235
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	56	77	94	107
HaB	Hand-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	69	95	114	129
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Hand	40	134	178	211	235
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	56	77	94	107
HaC	Hand-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	69	95	114	129
HcA	Hand-Prosper loams, 0 to 3 percent slopes	Hand	55	134	178	211	235
HcA	Hand-Prosper loams, 0 to 3 percent slopes	Prosper	25	69	95	114	129
HeB	Henkin loam, 1 to 5 percent slopes	Henkin	85	154	204	240	268
HfD	Henkin variant sandy loam, 6 to 40 percent slopes	Henkin	85	172	226	266	296
HhA	Highmore-Onita silt loams, 0 to 3 percent slopes	Highmore	55	79	107	129	145
HhA	Highmore-Onita silt loams, 0 to 3 percent slopes	Onita	30	99	133	158	178
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Homme	55	70	96	115	131
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Onita	20	99	133	158	178
HlA	Homme-Onita-Beadle complex, 0 to 2 percent slopes	Beadle	15	45	63	77	88
HpB	Homme-Peno complex, 2 to 6 percent slopes	Homme	55	70	96	115	131
HpB	Homme-Peno complex, 2 to 6 percent slopes	Peno	30	37	52	65	75
HpC	Homme-Peno complex, 6 to 9 percent slopes	Homme	45	70	96	115	131
HpC	Homme-Peno complex, 6 to 9 percent slopes	Peno	40	37	52	65	75
HrA	Houdek-Dudley complex, 0 to 3 percent slopes	Houdek	50	57	79	96	109
HrA	Houdek-Dudley complex, 0 to 3 percent slopes	Dudley	40	67	92	110	125
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Houdek	45	57	79	96	109
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Dudley	30	67	92	110	125
HtB	Houdek-Dudley-Jerauld complex, 2 to 6 percent slopes	Jerauld	15	57	79	95	109
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Houdek	45	57	79	96	109
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Ethan	25	56	77	94	107
HwB	Houdek-Ethan-Prosper loams, 1 to 5 percent slopes	Prosper	15	69	95	114	129
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	40	57	79	96	109
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	56	77	94	107
HwC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	15	69	95	114	129
HyA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	55	57	79	96	109
HyA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	25	69	95	114	129
Ln	Lane silty clay loam	Lane	85	69	94	113	128
Lw	Lawet loam	Lawet	85	64	88	106	120
On	Onita silt loam, 0 to 3 percent slopes	Onita	85	99	133	158	178
Op	Onita-Plankinton silt loams	Onita	60	99	133	158	178
Op	Onita-Plankinton silt loams	Plankinton	30	90	122	146	164
PgC	Peno-Gettys complex, 6 to 9 percent slopes	Peno	60	37	52	65	75
PgC	Peno-Gettys complex, 6 to 9 percent slopes	Gettys	30	39	55	68	78
Pk	Plankinton silt loam	Plankinton	85	90	122	146	164
Pr	Plankinton-Crossplain complex	Plankinton	70	90	122	146	164
Pr	Plankinton-Crossplain complex	Crossplain	20	52	73	88	101
ReA	Ree loam, 0 to 2 percent slopes	Ree	90	357	463	538	595
ReB	Ree loam, 2 to 6 percent slopes	Ree	85	357	463	538	595
RnA	Ree-Canning loams, 0 to 2 percent slopes	Ree	70	357	463	538	595
RnA	Ree-Canning loams, 0 to 2 percent slopes	Canning	25	454	586	680	751
RnB	Ree-Canning loams, 2 to 6 percent slopes	Ree	50	357	463	538	595
RnB	Ree-Canning loams, 2 to 6 percent slopes	Canning	45	454	586	680	751
Te	Tetonka silt loam	Tetonka	85	86	117	140	157
Wo	Worthing silty clay loam	Worthing	90	68	94	113	128
Wp	Worthing silty clay loam, ponded	Worthing	100	68	94	113	128

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Ba	Badger silty clay loam	Badger	90	71	92	107	118
Bb	Baltic silty clay loam	Baltic	90	81	105	122	135
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	67	87	101	112
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	46	61	71	79
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	50	67	87	101	112
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	40	46	61	71	79
BdA	Beadle loam, 0 to 2 percent slopes	Beadle	85	58	76	89	98
BdB	Beadle loam, 2 to 6 percent slopes	Beadle	90	58	76	89	98
BdC	Beadle loam, 6 to 9 percent slopes	Beadle	90	58	76	89	98
BeA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	58	76	89	98
BeA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	86	112	130	143
Bn	Bon loam	Bon	90	103	133	155	171
Bo	Bon loam, channeled	Bon	85	103	133	155	171
BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	90	98	127	147	163
BuC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	50	46	61	71	79
BuC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	40	67	87	101	112
BuD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	46	61	71	79
BuD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	67	87	101	112
BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Buse	50	46	61	71	79
BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Holmquist	40	108	139	161	178
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	71	92	108	119
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	100	129	149	165
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	65	71	92	108	119
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	100	129	149	165
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Clarno	45	71	92	108	119
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	60	79	92	102
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	100	129	149	165
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Clarno	40	71	92	108	119
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	60	79	92	102
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	100	129	149	165
Ct	Crossplain-Tetonka complex	Crossplain	60	59	77	90	100
Ct	Crossplain-Tetonka complex	Tetonka	30	109	141	163	180
Cu	Cubden silty clay loam	Cubden	85	72	94	109	121
Cv	Cubden-Badger silty clay loams	Cubden	45	72	94	109	121
Cv	Cubden-Badger silty clay loams	Badger	40	71	92	107	118
Cw	Cubden-Tonka silty clay loams	Cubden	60	72	94	109	121
Cw	Cubden-Tonka silty clay loams	Tonka	30	60	78	91	101
Dc	Davison-Crossplain complex	Davison	45	129	166	192	212
Dc	Davison-Crossplain complex	Crossplain	40	59	77	90	100
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	90	196	251	290	319
DtB	Delmont-Talmo loams, 2 to 6 percent slopes	Delmont	55	196	251	290	319
DtB	Delmont-Talmo loams, 2 to 6 percent slopes	Talmo	35	478	610	703	773
Dv	Divide loam	Divide	90	483	615	709	780
Dx	Dudley-Jerauld silt loams	Dudley	60	86	112	130	143
Dx	Dudley-Jerauld silt loams	Jerauld	30	78	101	118	131
Dy	Durrstein silt loam	Durrstein	95	70	91	106	117
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	167	214	248	273
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	98	127	147	162
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	70	167	214	248	273
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	20	98	127	147	162
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	70	167	214	248	273
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	20	254	325	375	413
EnD	Ethan-Betts loams, 9 to 20 percent slopes	Ethan	55	60	79	92	102
EnD	Ethan-Betts loams, 9 to 20 percent slopes	Betts	30	69	90	105	116
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	45	60	79	92	102
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	35	115	148	172	190
EtC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	50	60	79	92	102
EtC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	71	92	108	119
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	55	60	79	92	102
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	71	92	108	119

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	65	118	152	176	195
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	25	204	261	302	333
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	76	99	115	127
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	76	99	115	127
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	55	71	92	107	118
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	30	75	98	114	126
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	70	71	92	107	118
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	20	75	98	114	126
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	50	71	92	107	118
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	40	75	97	113	125
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Houdek	55	71	92	107	118
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Stickney	35	75	97	113	125
Ht	Houdek-Stickney-Tetonka complex	Houdek	45	71	92	107	118
Ht	Houdek-Stickney-Tetonka complex	Stickney	25	75	97	113	125
Ht	Houdek-Stickney-Tetonka complex	Tetonka	20	109	141	163	180
Hv	Hoven silt loam	Hoven	90	79	103	119	132
Lh	La Prairie-Holmquist loams, channeled	La Prairie	50	77	100	117	129
Lh	La Prairie-Holmquist loams, channeled	Holmquist	40	108	139	161	178
Lm	Lamoure silty clay loam	Lamoure	85	134	172	199	220
Lo	Lowe loam	Lowe	90	82	106	123	136
Ma	Marysland loam	Marysland	85	477	608	701	771
MeA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	90	69	89	104	115
Mw	Minnewaukan loamy sand	Minnewaukan	90	332	424	490	539
Od	Oldham silty clay loam	Oldham	90	73	95	111	122
Pa	Parnell silty clay loam	Parnell	90	92	119	138	152
Pm	Playmoor silty clay loam	Playmoor	90	107	138	160	177
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	92	119	138	153
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	46	61	71	79
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	73	95	111	123
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	92	119	138	153
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	46	61	71	79
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	73	95	111	123
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	92	119	138	153
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	112	144	168	185
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	73	95	111	123
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	92	119	138	153
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	73	95	111	123
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	92	119	138	153
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	73	95	111	123
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	245	314	362	399
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	183	234	271	298
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	245	314	362	399
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	183	234	271	298
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	245	314	362	399
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	173	222	257	283
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	245	314	362	399
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	173	222	257	283
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	66	86	100	111
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	173	222	257	283
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	245	314	362	399
Ss	Southam silty clay loam	Southam	90	82	106	123	136
St	Stickney-Dudley silt loams	Stickney	45	75	97	113	125
St	Stickney-Dudley silt loams	Dudley	40	86	112	130	143
Sv	Stickney-Dudley-Hoven silt loams	Stickney	35	75	97	113	125
Sv	Stickney-Dudley-Hoven silt loams	Dudley	30	86	112	130	143
Sv	Stickney-Dudley-Hoven silt loams	Hoven	25	79	103	119	132
TdD	Talmo-Delmont loams, 6 to 15 percent slopes	Talmo	60	478	610	703	773
TdD	Talmo-Delmont loams, 6 to 15 percent slopes	Delmont	30	196	251	290	319
Te	Tetonka silt loam	Tetonka	90	109	141	163	180
To	Tonka silty clay loam	Tonka	90	60	78	91	101

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	76	99	115	127
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	80	103	120	133
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	76	99	115	127
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	80	103	120	133
Wa	Waubay silty clay loam	Waubay	90	73	95	111	123
Wb	Waubay-Badger silty clay loams	Waubay	50	73	95	111	123
Wb	Waubay-Badger silty clay loams	Badger	40	71	92	107	118
Wo	Worthing silty clay loam	Worthing	90	70	91	105	117
Wp	Worthing silty clay loam, ponded	Worthing	90	70	91	105	117

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Badger silty clay loam	Badger	90	58	81	98	112
Bb	Baltic silty clay loam	Baltic	90	69	94	114	129
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	55	76	92	105
BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	35	51	63	72
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	50	55	76	92	105
BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	40	35	51	63	72
BdA	Beadle loam, 0 to 2 percent slopes	Beadle	85	47	66	80	92
BdB	Beadle loam, 2 to 6 percent slopes	Beadle	90	47	66	80	92
BdC	Beadle loam, 6 to 9 percent slopes	Beadle	90	47	66	80	92
BeA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	55	47	66	80	92
BeA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	74	101	121	137
Bn	Bon loam	Bon	90	90	122	146	164
Bo	Bon loam, channeled	Bon	85	90	122	146	164
BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	90	85	116	138	156
BuC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	50	35	51	63	72
BuC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	40	55	76	92	105
BuD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	35	51	63	72
BuD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	55	76	92	105
BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Buse	50	35	51	63	72
BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Holmquist	40	94	128	152	171
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	60	59	82	99	112
CbA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	87	117	140	158
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	65	59	82	99	112
CbB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	25	87	117	140	158
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Clarno	45	59	82	99	112
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	49	68	83	95
CeB	Clarno-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	87	117	140	158
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Clarno	40	59	82	99	112
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	49	68	83	95
CeC	Clarno-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	87	117	140	158
Ct	Crossplain-Tetonka complex	Crossplain	60	48	67	81	93
Ct	Crossplain-Tetonka complex	Tetonka	30	96	129	154	173
Cu	Cubden silty clay loam	Cubden	85	60	83	100	114
Cv	Cubden-Badger silty clay loams	Cubden	45	60	83	100	114
Cv	Cubden-Badger silty clay loams	Badger	40	58	81	98	112
Cw	Cubden-Tonka silty clay loams	Cubden	60	60	83	100	114
Cw	Cubden-Tonka silty clay loams	Tonka	30	48	68	83	95
Dc	Davison-Crossplain complex	Davison	45	115	154	183	205
Dc	Davison-Crossplain complex	Crossplain	40	48	67	81	93
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	90	181	239	280	312
DtB	Delmont-Talmo loams, 2 to 6 percent slopes	Delmont	55	181	239	280	312
DtB	Delmont-Talmo loams, 2 to 6 percent slopes	Talmo	35	463	597	693	766
Dv	Divide loam	Divide	90	467	603	699	773
Dx	Dudley-Jerauld silt loams	Dudley	60	74	101	121	137
Dx	Dudley-Jerauld silt loams	Jerauld	30	66	91	109	124
Dy	Durrstein silt loam	Durrstein	95	58	80	97	111
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	153	203	239	266
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	85	115	138	155
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	70	153	203	239	266
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	20	85	115	138	155
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	70	153	203	239	266
EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	20	239	313	366	406
EnD	Ethan-Betts loams, 9 to 20 percent slopes	Ethan	55	49	68	83	95
EnD	Ethan-Betts loams, 9 to 20 percent slopes	Betts	30	57	79	96	109
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	45	49	68	83	95
EoD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	35	102	137	163	183
EtC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	50	49	68	83	95
EtC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	40	59	82	99	112
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	55	49	68	83	95
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	35	59	82	99	112

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	65	105	141	167	188
HbB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	25	190	249	293	325
HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	64	88	106	120
HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	64	88	106	120
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	55	59	81	98	112
HpA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	30	63	87	105	119
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	70	59	81	98	112
HpB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	20	63	87	105	119
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	50	59	81	98	112
HsA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	40	62	86	104	118
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Houdek	55	59	81	98	112
HsB	Houdek-Stickney complex, 2 to 6 percent slopes	Stickney	35	62	86	104	118
Ht	Houdek-Stickney-Tetonka complex	Houdek	45	59	81	98	112
Ht	Houdek-Stickney-Tetonka complex	Stickney	25	62	86	104	118
Ht	Houdek-Stickney-Tetonka complex	Tetonka	20	96	129	154	173
Hv	Hoven silt loam	Hoven	90	67	92	110	125
Lh	La Prairie-Holmquist loams, channeled	La Prairie	50	65	90	108	122
Lh	La Prairie-Holmquist loams, channeled	Holmquist	40	94	128	152	171
Lm	Lamoure silty clay loam	Lamoure	85	120	161	190	213
Lo	Lowe loam	Lowe	90	69	95	114	129
Ma	Marysland loam	Marysland	85	462	596	691	764
MeA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	90	57	79	95	108
Mw	Minnewaukan loamy sand	Minnewaukan	90	317	412	480	531
Od	Oldham silty clay loam	Oldham	90	61	84	102	116
Pa	Parnell silty clay loam	Parnell	90	79	107	129	145
Pm	Playmoor silty clay loam	Playmoor	90	94	126	151	170
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	79	108	129	146
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	35	51	63	72
PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	61	85	102	116
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	79	108	129	146
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	35	51	63	72
PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	61	85	102	116
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	79	108	129	146
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	99	133	158	178
PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	61	85	102	116
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	79	108	129	146
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	61	85	102	116
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	79	108	129	146
PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	61	85	102	116
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	230	301	353	391
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	168	222	261	291
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	230	301	353	391
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	168	222	261	291
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	230	301	353	391
RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	159	210	247	276
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	230	301	353	391
RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	159	210	247	276
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	54	76	92	105
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	159	210	247	276
SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	230	301	353	391
Ss	Southam silty clay loam	Southam	90	69	95	114	129
St	Stickney-Dudley silt loams	Stickney	45	62	86	104	118
St	Stickney-Dudley silt loams	Dudley	40	74	101	121	137
Sv	Stickney-Dudley-Hoven silt loams	Stickney	35	62	86	104	118
Sv	Stickney-Dudley-Hoven silt loams	Dudley	30	74	101	121	137
Sv	Stickney-Dudley-Hoven silt loams	Hoven	25	67	92	110	125
TdD	Talmo-Delmont loams, 6 to 15 percent slopes	Talmo	60	463	597	693	766
TdD	Talmo-Delmont loams, 6 to 15 percent slopes	Delmont	30	181	239	280	312
Te	Tetonka silt loam	Tetonka	90	96	129	154	173
To	Tonka silty clay loam	Tonka	90	48	68	83	95

South Dakota Lateral Effect Tables for Kingsbury County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	64	88	106	120
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	67	92	111	126
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	64	88	106	120
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	67	92	111	126
Wa	Waubay silty clay loam	Waubay	90	61	85	102	116
Wb	Waubay-Badger silty clay loams	Waubay	50	61	85	102	116
Wb	Waubay-Badger silty clay loams	Badger	40	58	81	98	112
Wo	Worthing silty clay loam	Worthing	90	58	80	97	110
Wp	Worthing silty clay loam, ponded	Worthing	90	58	80	97	110

South Dakota Lateral Effect Tables for Lake County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Badus silty clay loam	Badus	90	100	129	150	165
Bc	Baltic silty clay loam	Baltic	90	82	106	124	137
BdA	Beadle clay loam, 0 to 2 percent slopes	Beadle	85	44	58	69	76
BdB	Beadle clay loam, 2 to 6 percent slopes	Beadle	90	57	74	87	96
BdC	Beadle clay loam, 6 to 9 percent slopes	Beadle	90	57	74	87	96
CaA	Clarno loam, 0 to 2 percent slopes	Clarno	90	60	79	92	102
CaB	Clarno loam, 2 to 6 percent slopes	Clarno	90	60	79	92	102
CaC	Clarno loam, 6 to 9 percent slopes	Clarno	85	60	79	92	102
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	60	60	79	92	102
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	25	55	72	84	93
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	55	60	79	92	102
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	55	72	84	93
CeD	Clarno-Ethan loams, 9 to 16 percent slopes	Clarno	50	60	79	92	102
CeD	Clarno-Ethan loams, 9 to 16 percent slopes	Ethan	35	55	72	84	93
Da	Davis loam	Davis	90	98	127	147	163
DeB	Delmont-Talmo loams, 2 to 6 percent slopes	Delmont	50	511	651	750	825
DeB	Delmont-Talmo loams, 2 to 6 percent slopes	Talmo	35	185	237	274	302
DeC	Delmont-Talmo loams, 6 to 9 percent slopes	Delmont	45	511	651	750	825
DeC	Delmont-Talmo loams, 6 to 9 percent slopes	Talmo	35	185	237	274	302
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	85	519	661	763	838
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	85	519	661	763	838
DpC	Dempster-Delmont complex, 6 to 9 percent slopes	Dempster	60	519	661	763	838
DpC	Dempster-Delmont complex, 6 to 9 percent slopes	Delmont	25	511	651	750	825
EaC	Egan silty clay loam, 6 to 9 percent slopes	Egan	80	71	93	108	119
EbA	Egan-Beadle complex, 0 to 2 percent slopes	Egan	60	71	93	108	119
EbA	Egan-Beadle complex, 0 to 2 percent slopes	Beadle	30	57	74	87	96
EbB	Egan-Beadle complex, 2 to 6 percent slopes	Egan	60	71	93	108	119
EbB	Egan-Beadle complex, 2 to 6 percent slopes	Beadle	30	57	74	87	96
EbC	Egan-Beadle complex, 6 to 9 percent slopes	Egan	55	71	93	108	119
EbC	Egan-Beadle complex, 6 to 9 percent slopes	Beadle	35	57	74	87	96
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	50	71	93	108	119
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	40	55	72	84	93
EeC2	Egan-Ethan complex, 6 to 9 percent slopes, eroded	Egan	45	71	93	108	119
EeC2	Egan-Ethan complex, 6 to 9 percent slopes, eroded	Ethan	40	55	72	84	93
EgA	Egan-Viborg silty clay loams, 0 to 3 percent slopes	Egan	60	71	93	108	119
EgA	Egan-Viborg silty clay loams, 0 to 3 percent slopes	Viborg	30	99	128	149	164
EhB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	50	71	93	108	119
EhB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	30	100	129	150	166
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	546	695	801	881
EoF	Ethan-Betts loams, 21 to 40 percent slopes	Ethan	45	55	72	84	93
EoF	Ethan-Betts loams, 21 to 40 percent slopes	Betts	35	74	96	112	124
ErE	Ethan-Clarno loams, 16 to 21 percent slopes	Ethan	60	55	72	84	93
ErE	Ethan-Clarno loams, 16 to 21 percent slopes	Clarno	20	60	79	92	102
EsE	Ethan-Clarno stony complex, 6 to 25 percent slopes	Ethan	50	55	72	84	93
EsE	Ethan-Clarno stony complex, 6 to 25 percent slopes	Clarno	30	60	79	92	102
EtD	Ethan-Davis stony complex, 3 to 21 percent slopes	Ethan	55	55	72	84	93
EtD	Ethan-Davis stony complex, 3 to 21 percent slopes	Davis	25	98	127	147	163
Gr	Graceville silty clay loam	Graceville	90	301	384	443	488
HeA	Henkin loam, 0 to 3 percent slopes	Henkin	90	137	177	205	226
HeB	Henkin loam, 3 to 9 percent slopes	Henkin	90	137	177	205	226
HkB	Houdek loam, 2 to 6 percent slopes	Houdek	80	63	83	96	107
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	50	63	83	96	107
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	35	77	99	116	128
La	Lamo silty clay loam	Lamo	85	77	100	117	129
Mar	Worthing silty clay loam, ponded	Worthing	95	76	98	114	126
MnB	Moody-Nora complex, 2 to 6 percent slopes	Moody	50	100	129	149	165
MnB	Moody-Nora complex, 2 to 6 percent slopes	Nora	30	105	135	157	173
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	55	100	129	149	165
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	99	128	149	164
NcC	Nora-Crofton silt loams, 6 to 9 percent slopes	Nora	50	105	135	157	173
NcC	Nora-Crofton silt loams, 6 to 9 percent slopes	Crofton	30	187	239	277	305
PrA	Prosper loam, 0 to 2 percent slopes	Prosper	85	77	99	116	128

South Dakota Lateral Effect Tables for Lake County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ra	Rauville silty clay loam	Rauville	85	122	157	181	200
Sa	Minnewaukan loamy sand	Minnewaukan	90	133	171	198	218
ScA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	77	100	117	129
SdB	Huntimer silty clay loam, 2 to 6 percent slopes	Huntimer	85	77	100	117	129
StA	Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	60	89	116	134	148
StA	Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	106	137	158	175
TdE	Talmo-Delmont loams, 6 to 21 percent slopes	Talmo	45	185	237	274	302
TdE	Talmo-Delmont loams, 6 to 21 percent slopes	Delmont	35	511	651	750	825
Te	Tetonka silt loam	Tetonka	90	106	137	158	175
VbA	Viborg silty clay loam, 0 to 2 percent slopes	Viborg	85	99	128	149	164
VgB	Viborg-Egan silty clay loams, 2 to 6 percent slopes	Viborg	50	99	128	149	164
VgB	Viborg-Egan silty clay loams, 2 to 6 percent slopes	Egan	30	71	93	108	119
Vo	Arlo silty clay loam	Arlo	85	203	259	300	330
WeA	Wentworth-Egan silty clay loams, 0 to 2 percent slopes	Wentworth	55	100	129	150	166
WeA	Wentworth-Egan silty clay loams, 0 to 2 percent slopes	Egan	35	71	93	108	119
Wh	Whitewood silty clay loam	Whitewood	80	88	114	132	146
Wo	Worthing silty clay loam	Worthing	90	76	98	114	126

South Dakota Lateral Effect Tables for Lake County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Badus silty clay loam	Badus	90	87	118	141	159
Bc	Baltic silty clay loam	Baltic	90	69	95	115	130
BdA	Beadle clay loam, 0 to 2 percent slopes	Beadle	85	34	49	60	70
BdB	Beadle clay loam, 2 to 6 percent slopes	Beadle	90	46	64	78	90
BdC	Beadle clay loam, 6 to 9 percent slopes	Beadle	90	46	64	78	90
CaA	Clarno loam, 0 to 2 percent slopes	Clarno	90	49	68	83	95
CaB	Clarno loam, 2 to 6 percent slopes	Clarno	90	49	68	83	95
CaC	Clarno loam, 6 to 9 percent slopes	Clarno	85	49	68	83	95
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	60	49	68	83	95
CeB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	25	44	62	75	86
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Clarno	55	49	68	83	95
CeC	Clarno-Ethan loams, 6 to 9 percent slopes	Ethan	30	44	62	75	86
CeD	Clarno-Ethan loams, 9 to 16 percent slopes	Clarno	50	49	68	83	95
CeD	Clarno-Ethan loams, 9 to 16 percent slopes	Ethan	35	44	62	75	86
Da	Davis loam	Davis	90	85	116	138	156
DeB	Delmont-Talmo loams, 2 to 6 percent slopes	Delmont	50	495	638	740	818
DeB	Delmont-Talmo loams, 2 to 6 percent slopes	Talmo	35	171	225	265	295
DeC	Delmont-Talmo loams, 6 to 9 percent slopes	Delmont	45	495	638	740	818
DeC	Delmont-Talmo loams, 6 to 9 percent slopes	Talmo	35	171	225	265	295
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	85	504	649	753	831
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	85	504	649	753	831
DpC	Dempster-Delmont complex, 6 to 9 percent slopes	Dempster	60	504	649	753	831
DpC	Dempster-Delmont complex, 6 to 9 percent slopes	Delmont	25	495	638	740	818
EaC	Egan silty clay loam, 6 to 9 percent slopes	Egan	80	59	82	99	113
EbA	Egan-Beadle complex, 0 to 2 percent slopes	Egan	60	59	82	99	113
EbA	Egan-Beadle complex, 0 to 2 percent slopes	Beadle	30	46	64	78	90
EbB	Egan-Beadle complex, 2 to 6 percent slopes	Egan	60	59	82	99	113
EbB	Egan-Beadle complex, 2 to 6 percent slopes	Beadle	30	46	64	78	90
EbC	Egan-Beadle complex, 6 to 9 percent slopes	Egan	55	59	82	99	113
EbC	Egan-Beadle complex, 6 to 9 percent slopes	Beadle	35	46	64	78	90
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	50	59	82	99	113
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	40	44	62	75	86
EeC2	Egan-Ethan complex, 6 to 9 percent slopes, eroded	Egan	45	59	82	99	113
EeC2	Egan-Ethan complex, 6 to 9 percent slopes, eroded	Ethan	40	44	62	75	86
EgA	Egan-Viborg silty clay loams, 0 to 3 percent slopes	Egan	60	59	82	99	113
EgA	Egan-Viborg silty clay loams, 0 to 3 percent slopes	Viborg	30	86	117	140	158
EhB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	50	59	82	99	113
EhB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	30	87	118	141	159
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	530	683	792	874
EoF	Ethan-Betts loams, 21 to 40 percent slopes	Ethan	45	44	62	75	86
EoF	Ethan-Betts loams, 21 to 40 percent slopes	Betts	35	62	86	103	117
ErE	Ethan-Clarno loams, 16 to 21 percent slopes	Ethan	60	44	62	75	86
ErE	Ethan-Clarno loams, 16 to 21 percent slopes	Clarno	20	49	68	83	95
EsE	Ethan-Clarno stony complex, 6 to 25 percent slopes	Ethan	50	44	62	75	86
EsE	Ethan-Clarno stony complex, 6 to 25 percent slopes	Clarno	30	49	68	83	95
EtD	Ethan-Davis stony complex, 3 to 21 percent slopes	Ethan	55	44	62	75	86
EtD	Ethan-Davis stony complex, 3 to 21 percent slopes	Davis	25	85	116	138	156
Gr	Graceville silty clay loam	Graceville	90	286	372	433	480
HeA	Henkin loam, 0 to 3 percent slopes	Henkin	90	124	165	195	218
HeB	Henkin loam, 3 to 9 percent slopes	Henkin	90	124	165	195	218
HkB	Houdek loam, 2 to 6 percent slopes	Houdek	80	52	72	88	100
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Houdek	50	52	72	88	100
HpA	Houdek-Prosper loams, 0 to 3 percent slopes	Prosper	35	64	89	107	121
La	Lamo silty clay loam	Lamo	85	65	89	108	122
Mar	Worthing silty clay loam, ponded	Worthing	95	63	87	105	120
MnB	Moody-Nora complex, 2 to 6 percent slopes	Moody	50	86	117	140	158
MnB	Moody-Nora complex, 2 to 6 percent slopes	Nora	30	91	124	148	166
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	55	86	117	140	158
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	86	117	140	158
NcC	Nora-Crofton silt loams, 6 to 9 percent slopes	Nora	50	91	124	148	166
NcC	Nora-Crofton silt loams, 6 to 9 percent slopes	Crofton	30	172	227	267	298
PrA	Prosper loam, 0 to 2 percent slopes	Prosper	85	64	89	107	121

South Dakota Lateral Effect Tables for Lake County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ra	Rauville silty clay loam	Rauville	85	108	145	172	193
Sa	Minnewaukan loamy sand	Minnewaukan	90	119	159	189	211
ScA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	65	89	108	122
SdB	Huntimer silty clay loam, 2 to 6 percent slopes	Huntimer	85	65	89	108	122
StA	Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	60	77	105	125	142
StA	Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	93	125	149	168
TdE	Talmo-Delmont loams, 6 to 21 percent slopes	Talmo	45	171	225	265	295
TdE	Talmo-Delmont loams, 6 to 21 percent slopes	Delmont	35	495	638	740	818
Te	Tetonka silt loam	Tetonka	90	93	125	149	168
VbA	Viborg silty clay loam, 0 to 2 percent slopes	Viborg	85	86	117	140	158
VgB	Viborg-Egan silty clay loams, 2 to 6 percent slopes	Viborg	50	86	117	140	158
VgB	Viborg-Egan silty clay loams, 2 to 6 percent slopes	Egan	30	59	82	99	113
Vo	Arlo silty clay loam	Arlo	85	188	247	290	323
WeA	Wentworth-Egan silty clay loams, 0 to 2 percent slopes	Wentworth	55	87	118	141	159
WeA	Wentworth-Egan silty clay loams, 0 to 2 percent slopes	Egan	35	59	82	99	113
Wh	Whitewood silty clay loam	Whitewood	80	75	103	123	139
Wo	Worthing silty clay loam	Worthing	90	63	87	105	120

South Dakota Lateral Effect Tables for Lincoln County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AcA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	90	89	115	134	148
AcB	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	90	89	115	134	148
Af	Alcester silty clay loam, channeled	Alcester	80	89	115	134	148
Ah	Alcester and Lamo silty clay loams	Alcester	45	89	115	134	148
Ah	Alcester and Lamo silty clay loams	Lamo	40	74	96	111	123
Bo	Bon soils, frequently flooded	Bon	35	105	135	157	173
Bo	Bon soils, frequently flooded	Bon	35	105	135	157	173
Ca	Chancellor-Tetonka silty clay loams	Chancellor	65	78	101	117	130
Ca	Chancellor-Tetonka silty clay loams	Tetonka	25	83	107	125	138
Cd	Chancellor-Viborg silty clay loams	Chancellor	55	78	101	117	130
Cd	Chancellor-Viborg silty clay loams	Viborg	35	100	130	151	166
Ch	Chancellor-Wakonda-Tetonka complex	Chancellor	35	78	101	117	130
Ch	Chancellor-Wakonda-Tetonka complex	Wakonda	35	98	126	146	162
Ch	Chancellor-Wakonda-Tetonka complex	Tetonka	20	83	107	125	138
Co	Clamo silty clay loam	Clamo	90	89	115	134	148
CpD2	Crofton-Nora silt loams, 9 to 17 percent slopes, eroded	Crofton	45	180	231	267	294
CpD2	Crofton-Nora silt loams, 9 to 17 percent slopes, eroded	Nora	35	101	130	151	166
Da	Davis loam	Davis	95	97	125	145	160
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	501	638	736	809
DeB	Delmont loam, 2 to 6 percent slopes	Delmont	90	501	638	736	809
DgB	Delmont-Graceville complex, 2 to 6 percent slopes	Delmont	45	501	638	736	809
DgB	Delmont-Graceville complex, 2 to 6 percent slopes	Graceville	35	310	396	457	503
DkB	Delmont and Talmo soils, 2 to 9 percent slopes	Delmont	45	501	638	736	809
DkB	Delmont and Talmo soils, 2 to 9 percent slopes	Talmo	45	473	604	696	765
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	90	517	659	760	835
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	90	517	659	760	835
EaB	Egan silty clay loam, 3 to 6 percent slopes	Egan	80	68	88	103	114
EcB	Egan-Chancellor silty clay loams, 0 to 4 percent slopes	Egan	50	68	88	103	114
EcB	Egan-Chancellor silty clay loams, 0 to 4 percent slopes	Chancellor	30	78	101	117	130
EsB	Egan-Shindler complex, 2 to 6 percent slopes	Egan	55	68	88	103	114
EsB	Egan-Shindler complex, 2 to 6 percent slopes	Shindler	35	46	61	71	79
EsC	Egan-Shindler complex, 6 to 9 percent slopes	Egan	50	68	88	103	114
EsC	Egan-Shindler complex, 6 to 9 percent slopes	Shindler	40	46	61	71	79
EwB	Egan-Worthing complex, 0 to 6 percent slopes	Egan	50	68	88	103	114
EwB	Egan-Worthing complex, 0 to 6 percent slopes	Worthing	30	58	75	88	98
Gr	Graceville silty clay loam	Graceville	90	310	396	457	503
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	95	78	101	118	130
La	Lamo silty clay loam	Lamo	90	74	96	111	123
Lu	Luton silty clay	Luton	90	56	73	86	95
Mh	Baltic silty clay loam, ponded	Baltic	85	68	88	103	114
MoA	Moody silty clay loam, 0 to 2 percent slopes	Moody	90	97	125	145	160
MoB	Moody silty clay loam, 2 to 6 percent slopes	Moody	85	97	125	145	160
MpB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	60	97	125	145	160
MpB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	101	130	151	166
MpC2	Moody-Nora silty clay loams, 6 to 10 percent slopes, eroded	Moody	45	97	125	145	160
MpC2	Moody-Nora silty clay loams, 6 to 10 percent slopes, eroded	Nora	35	101	130	151	166
Sa	Salmo silty clay loam, very wet	Salmo	90	76	99	115	127
ShD	Shindler clay loam, 9 to 15 percent slopes	Shindler	85	46	61	71	79
ShF	Shindler clay loam, 25 to 40 percent slopes	Shindler	90	46	61	71	79
SkD2	Shindler-Egan complex, 9 to 15 percent slopes, eroded	Shindler	55	46	61	71	79
SkD2	Shindler-Egan complex, 9 to 15 percent slopes, eroded	Egan	30	68	88	103	114
SmF	Shindler-Renner complex, 15 to 40 percent slopes	Shindler	55	46	61	71	79
SmF	Shindler-Renner complex, 15 to 40 percent slopes	Renner	35	71	92	107	118
StD	Shindler and Talmo soils, 6 to 30 percent slopes	Shindler	45	46	61	71	79
StD	Shindler and Talmo soils, 6 to 30 percent slopes	Talmo	45	473	604	696	765
SuF	Steinauer-Shindler clay loams, 24 to 40 percent slopes	Steinauer	50	57	74	87	96
SuF	Steinauer-Shindler clay loams, 24 to 40 percent slopes	Shindler	40	46	61	71	79
Te	Tetonka silty clay loam	Tetonka	90	83	107	125	138
ThB	Thurman fine sandy loam, 2 to 6 percent slopes	Thurman	95	267	341	394	434
ThC	Thurman fine sandy loam, 6 to 9 percent slopes	Thurman	95	267	341	394	434

South Dakota Lateral Effect Tables for Lincoln County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WeA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	80	96	124	144	159
WhA	Wentworth-Chancellor silty clay loams, 0 to 2 percent slopes	Wentworth	55	96	124	144	159
WhA	Wentworth-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	25	78	101	117	130
Wk	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	80	91	117	136	151
Ws	Worthing silty clay	Worthing	90	58	75	88	98

South Dakota Lateral Effect Tables for Lincoln County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AcA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	90	76	104	125	141
AcB	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	90	76	104	125	141
Af	Alcester silty clay loam, channeled	Alcester	80	76	104	125	141
Ah	Alcester and Lamo silty clay loams	Alcester	45	76	104	125	141
Ah	Alcester and Lamo silty clay loams	Lamo	40	61	85	103	116
Bo	Bon soils, frequently flooded	Bon	35	92	124	148	166
Bo	Bon soils, frequently flooded	Bon	35	92	124	148	166
Ca	Chancellor-Tetonka silty clay loams	Chancellor	65	65	90	108	123
Ca	Chancellor-Tetonka silty clay loams	Tetonka	25	70	96	116	131
Cd	Chancellor-Viborg silty clay loams	Chancellor	55	65	90	108	123
Cd	Chancellor-Viborg silty clay loams	Viborg	35	87	118	141	159
Ch	Chancellor-Wakonda-Tetonka complex	Chancellor	35	65	90	108	123
Ch	Chancellor-Wakonda-Tetonka complex	Wakonda	35	85	115	137	155
Ch	Chancellor-Wakonda-Tetonka complex	Tetonka	20	70	96	116	131
Co	Clamo silty clay loam	Clamo	90	76	104	125	141
CpD2	Crofton-Nora silt loams, 9 to 17 percent slopes, eroded	Crofton	45	165	219	257	287
CpD2	Crofton-Nora silt loams, 9 to 17 percent slopes, eroded	Nora	35	87	119	142	160
Da	Davis loam	Davis	95	84	114	136	154
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	85	486	626	726	802
DeB	Delmont loam, 2 to 6 percent slopes	Delmont	90	486	626	726	802
DgB	Delmont-Graceville complex, 2 to 6 percent slopes	Delmont	45	486	626	726	802
DgB	Delmont-Graceville complex, 2 to 6 percent slopes	Graceville	35	295	384	448	496
DkB	Delmont and Talmo soils, 2 to 9 percent slopes	Delmont	45	486	626	726	802
DkB	Delmont and Talmo soils, 2 to 9 percent slopes	Talmo	45	458	591	686	758
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	90	502	646	750	828
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	90	502	646	750	828
EaB	Egan silty clay loam, 3 to 6 percent slopes	Egan	80	56	78	94	107
EcB	Egan-Chancellor silty clay loams, 0 to 4 percent slopes	Egan	50	56	78	94	107
EcB	Egan-Chancellor silty clay loams, 0 to 4 percent slopes	Chancellor	30	65	90	108	123
EsB	Egan-Shindler complex, 2 to 6 percent slopes	Egan	55	56	78	94	107
EsB	Egan-Shindler complex, 2 to 6 percent slopes	Shindler	35	36	51	63	73
EsC	Egan-Shindler complex, 6 to 9 percent slopes	Egan	50	56	78	94	107
EsC	Egan-Shindler complex, 6 to 9 percent slopes	Shindler	40	36	51	63	73
EwB	Egan-Worthing complex, 0 to 6 percent slopes	Egan	50	56	78	94	107
EwB	Egan-Worthing complex, 0 to 6 percent slopes	Worthing	30	46	65	80	91
Gr	Graceville silty clay loam	Graceville	90	295	384	448	496
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	95	66	90	109	124
La	Lamo silty clay loam	Lamo	90	61	85	103	116
Lu	Luton silty clay	Luton	90	45	63	77	88
Mh	Baltic silty clay loam, ponded	Baltic	85	56	78	94	107
MoA	Moody silty clay loam, 0 to 2 percent slopes	Moody	90	84	114	136	153
MoB	Moody silty clay loam, 2 to 6 percent slopes	Moody	85	84	114	136	153
MpB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	60	84	114	136	153
MpB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	87	119	142	160
MpC2	Moody-Nora silty clay loams, 6 to 10 percent slopes, eroded	Moody	45	84	114	136	153
MpC2	Moody-Nora silty clay loams, 6 to 10 percent slopes, eroded	Nora	35	87	119	142	160
Sa	Salmo silty clay loam, very wet	Salmo	90	64	88	106	121
ShD	Shindler clay loam, 9 to 15 percent slopes	Shindler	85	36	51	63	73
ShF	Shindler clay loam, 25 to 40 percent slopes	Shindler	90	36	51	63	73
SkD2	Shindler-Egan complex, 9 to 15 percent slopes, eroded	Shindler	55	36	51	63	73
SkD2	Shindler-Egan complex, 9 to 15 percent slopes, eroded	Egan	30	56	78	94	107
SmF	Shindler-Renner complex, 15 to 40 percent slopes	Shindler	55	36	51	63	73
SmF	Shindler-Renner complex, 15 to 40 percent slopes	Renner	35	58	81	98	111
StD	Shindler and Talmo soils, 6 to 30 percent slopes	Shindler	45	36	51	63	73
StD	Shindler and Talmo soils, 6 to 30 percent slopes	Talmo	45	458	591	686	758
SuF	Steinauer-Shindler clay loams, 24 to 40 percent slopes	Steinauer	50	46	64	78	90
SuF	Steinauer-Shindler clay loams, 24 to 40 percent slopes	Shindler	40	36	51	63	73
Te	Tetonka silty clay loam	Tetonka	90	70	96	116	131
ThB	Thurman fine sandy loam, 2 to 6 percent slopes	Thurman	95	252	329	385	427
ThC	Thurman fine sandy loam, 6 to 9 percent slopes	Thurman	95	252	329	385	427

South Dakota Lateral Effect Tables for Lincoln County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WeA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	80	83	113	135	152
WhA	Wentworth-Chancellor silty clay loams, 0 to 2 percent slopes	Wentworth	55	83	113	135	152
WhA	Wentworth-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	25	65	90	108	123
Wk	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	80	78	106	127	144
Ws	Worthing silty clay	Worthing	90	46	65	80	91

South Dakota Lateral Effect Tables for Lyman County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 3 percent slopes	Agar	90	130	167	193	213
AaB	Agar silt loam, 3 to 6 percent slopes	Agar	90	130	167	193	213
AaC	Agar silt loam, 6 to 9 percent slopes	Agar	85	130	167	193	213
Bg	Bigbend silt loam	Bigbend	85	175	225	260	287
BuA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	85	70	91	106	117
BxA	Bullcreek-Slickspots complex, 0 to 6 percent slopes	Bullcreek	60	70	91	106	117
CeA	Carter silt loam, 0 to 4 percent slopes	Carter	85	123	158	184	202
FaA	Fairlo silt loam, 0 to 3 percent slopes	Fairlo	85	145	186	216	238
FaB	Fairlo silt loam, 3 to 6 percent slopes	Fairlo	90	145	186	216	238
Fp	Norway loamy fine sand	Norway	90	366	467	539	592
Hm	Hilmoe silty clay	Hilmoe	90	103	133	155	171
Ho	Hoven silt loam	Hoven	90	77	100	116	129
HrA	Capa silt loam, 0 to 6 percent slopes	Capa	85	84	108	126	139
In	Inavale loamy fine sand	Inavale	90	267	341	393	433
Ko	Kolls silty clay	Kolls	90	66	86	101	111
Kp	Kolls silty clay, ponded	Kolls	90	66	86	101	111
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	178	228	263	290
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	178	228	263	290
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	95	178	228	263	290
LrD	Lowry-Sully silt loams, 9 to 25 percent slopes	Lowry	50	178	228	263	290
LrD	Lowry-Sully silt loams, 9 to 25 percent slopes	Sully	40	145	186	215	237
McA	McClure silt loam, 0 to 3 percent slopes	McClure	90	92	119	138	152
McB	McClure silt loam, 3 to 6 percent slopes	McClure	85	92	119	138	152
McC	McClure silt loam, 6 to 9 percent slopes	McClure	90	92	119	138	152
MlA	Millboro silty clay loam, 0 to 3 percent slopes	Millboro	85	77	100	116	128
MlB	Millboro silty clay loam, 3 to 6 percent slopes	Millboro	85	77	100	116	128
MlC	Millboro silty clay loam, 6 to 9 percent slopes	Millboro	90	77	100	116	128
MmA	Millboro silty clay, 0 to 3 percent slopes	Millboro	90	83	107	125	138
MmB	Millboro silty clay, 3 to 6 percent slopes	Millboro	90	83	107	125	138
MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Millboro	50	83	107	125	138
MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Boro	40	87	112	130	144
MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Millboro	45	83	107	125	138
MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Boro	40	87	112	130	144
Mp	Mobridge silt loam	Mobridge	90	135	173	200	221
Mr	Munjor fine sandy loam	Munjor	85	198	253	293	323
Mv	Munjor-Inavale complex	Munjor	65	198	253	293	323
Mv	Munjor-Inavale complex	Inavale	25	267	341	393	433
Ok	Onita silt loam	Onita	85	118	151	175	194
Or	Orthents, loamy	Orthents	80	67	88	102	113
OrB	Orton loam, 2 to 7 percent slopes	Orton	90	251	321	371	408
OtA	Orton variant loam, 0 to 2 percent slopes	Orton	90	98	126	147	162
OvB	Orton variant-Valentine complex, 2 to 6 percent slopes	Orton	55	96	125	145	160
OvB	Orton variant-Valentine complex, 2 to 6 percent slopes	Valentine	30	296	379	437	481
Pg	Pits, gravel	Orthents	99	568	724	834	917
PoA	Promise clay, 0 to 3 percent slopes	Promise	90	103	132	154	170
PoB	Promise clay, 3 to 6 percent slopes	Promise	90	103	132	154	170
PoC	Promise clay, 6 to 9 percent slopes	Promise	90	103	132	154	170
PrA	Promise-Capa complex, 0 to 4 percent slopes	Promise	60	103	132	154	170
PrA	Promise-Capa complex, 0 to 4 percent slopes	Capa	30	84	108	126	139
ReB	Ree silt loam, 2 to 6 percent slopes	Ree	90	103	133	154	170
ReC	Ree silt loam, 6 to 9 percent slopes	Ree	90	103	133	154	170
RlA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	90	109	141	163	180
RlB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	90	109	141	163	180
RlC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	109	141	163	180
RsE	Rock outcrop-Sansarc complex, 9 to 40 percent slopes	Rockoutcrop	65	69	89	104	115
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Rockoutcrop	35	69	89	104	115
SeE	Sansarc-Schamber complex, 9 to 40 percent slopes	Schamber	30	238	305	352	388
ShE	Schamber loam, 6 to 40 percent slopes	Schamber	85	238	305	352	388
SlE	Sully silt loam, 15 to 40 percent slopes	Sully	90	145	186	215	237
VaD	Valentine fine sand, 6 to 25 percent slopes	Valentine	85	296	379	437	481
Wd	Wendte silty clay, channeled	Wendte	85	90	116	135	149
Wt	Witten silty clay	Witten	85	101	130	151	166

South Dakota Lateral Effect Tables for Lyman County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
*NOTE:	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
BxA	Bullcreek-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
ChB	Chantier clay, 2 to 9 percent slopes	Chantier	90	barrier	barrier	barrier	barrier
LaB	Lakoma silty clay, 2 to 6 percent slopes	Lakoma	95	barrier	barrier	barrier	barrier
LaC	Lakoma silty clay, 6 to 9 percent slopes	Lakoma	85	barrier	barrier	barrier	barrier
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Lakoma	50	barrier	barrier	barrier	barrier
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Lakoma	45	barrier	barrier	barrier	barrier
LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
OhE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OhE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Lakoma	30	barrier	barrier	barrier	barrier
OlA	Opal clay, 0 to 3 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OlB	Opal clay, 3 to 6 percent slope	Opal	90	barrier	barrier	barrier	barrier
OlC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OmC	Opal-Chantier clays, 2 to 9 percent slope	Opal	50	barrier	barrier	barrier	barrier
OmC	Opal-Chantier clays, 2 to 9 percent slope	Chantier	35	barrier	barrier	barrier	barrier
OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
RsE	Rock outcrop-Sansarc complex, 9 to 40 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
SaE	Sansarc clay, 15 to 40 percent slopes	Sansarc	85	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 9 to 40 percent slopes	Opal	40	barrier	barrier	barrier	barrier
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SeE	Sansarc-Schamber complex, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Lyman County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 3 percent slopes	Agar	90	116	155	184	206
AaB	Agar silt loam, 3 to 6 percent slopes	Agar	90	116	155	184	206
AaC	Agar silt loam, 6 to 9 percent slopes	Agar	85	116	155	184	206
Bg	Bigbend silt loam	Bigbend	85	161	213	251	280
BuA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	85	58	80	97	110
BxA	Bullcreek-Slickspots complex, 0 to 6 percent slopes	Bullcreek	60	58	80	97	110
CeA	Carter silt loam, 0 to 4 percent slopes	Carter	85	109	147	174	195
FaA	Fairlo silt loam, 0 to 3 percent slopes	Fairlo	85	131	175	207	231
FaB	Fairlo silt loam, 3 to 6 percent slopes	Fairlo	90	131	175	207	231
Fp	Norway loamy fine sand	Norway	90	351	454	529	585
Hm	Hilmoe silty clay	Hilmoe	90	90	122	146	164
Ho	Hoven silt loam	Hoven	90	65	89	107	122
HrA	Capa silt loam, 0 to 6 percent slopes	Capa	85	71	97	117	132
In	Inavale loamy fine sand	Inavale	90	252	328	384	426
Ko	Kolls silty clay	Kolls	90	54	76	92	105
Kp	Kolls silty clay, ponded	Kolls	90	54	76	92	105
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	163	216	254	283
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	163	216	254	283
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	95	163	216	254	283
LrD	Lowry-Sully silt loams, 9 to 25 percent slopes	Lowry	50	163	216	254	283
LrD	Lowry-Sully silt loams, 9 to 25 percent slopes	Sully	40	131	174	206	230
McA	McClure silt loam, 0 to 3 percent slopes	McClure	90	79	107	129	145
McB	McClure silt loam, 3 to 6 percent slopes	McClure	85	79	107	129	145
McC	McClure silt loam, 6 to 9 percent slopes	McClure	90	79	107	129	145
MlA	Millboro silty clay loam, 0 to 3 percent slopes	Millboro	85	65	89	107	122
MlB	Millboro silty clay loam, 3 to 6 percent slopes	Millboro	85	65	89	107	122
MlC	Millboro silty clay loam, 6 to 9 percent slopes	Millboro	90	65	89	107	122
MmA	Millboro silty clay, 0 to 3 percent slopes	Millboro	90	70	96	116	131
MmB	Millboro silty clay, 3 to 6 percent slopes	Millboro	90	70	96	116	131
MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Millboro	50	70	96	116	131
MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Boro	40	74	101	121	137
MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Millboro	45	70	96	116	131
MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Boro	40	74	101	121	137
Mp	Mobridge silt loam	Mobridge	90	121	161	191	214
Mr	Munjor fine sandy loam	Munjor	85	183	241	283	316
Mv	Munjor-Inavale complex	Munjor	65	183	241	283	316
Mv	Munjor-Inavale complex	Inavale	25	252	328	384	426
Ok	Onita silt loam	Onita	85	104	140	166	187
Or	Orthents, loamy	Orthents	80	55	77	94	106
OrB	Orton loam, 2 to 7 percent slopes	Orton	90	236	309	361	401
OtA	Orton variant loam, 0 to 2 percent slopes	Orton	90	85	115	137	155
OvB	Orton variant-Valentine complex, 2 to 6 percent slopes	Orton	55	83	113	136	153
OvB	Orton variant-Valentine complex, 2 to 6 percent slopes	Valentine	30	281	366	427	474
Pg	Pits, gravel	Orthents	99	553	711	824	910
PoA	Promise clay, 0 to 3 percent slopes	Promise	90	89	121	145	163
PoB	Promise clay, 3 to 6 percent slopes	Promise	90	89	121	145	163
PoC	Promise clay, 6 to 9 percent slopes	Promise	90	89	121	145	163
PrA	Promise-Capa complex, 0 to 4 percent slopes	Promise	60	89	121	145	163
PrA	Promise-Capa complex, 0 to 4 percent slopes	Capa	30	71	97	117	132
ReB	Ree silt loam, 2 to 6 percent slopes	Ree	90	90	122	145	163
ReC	Ree silt loam, 6 to 9 percent slopes	Ree	90	90	122	145	163
RlA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	90	96	129	154	173
RlB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	90	96	129	154	173
RlC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	96	129	154	173
RsE	Rock outcrop-Sansarc complex, 9 to 40 percent slopes	Rockoutcrop	65	56	78	95	108
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Rockoutcrop	35	56	78	95	108
SeE	Sansarc-Schamber complex, 9 to 40 percent slopes	Schamber	30	224	293	343	381
ShE	Schamber loam, 6 to 40 percent slopes	Schamber	85	224	293	343	381
SlE	Sully silt loam, 15 to 40 percent slopes	Sully	90	131	174	206	230
VaD	Valentine fine sand, 6 to 25 percent slopes	Valentine	85	281	366	427	474
Wd	Wendte silty clay, channeled	Wendte	85	77	105	126	142
Wt	Witten silty clay	Witten	85	87	119	142	159

South Dakota Lateral Effect Tables for Lyman County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
*NOTE:	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
BxA	Bullcreek-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	barrier	barrier	barrier	barrier
ChB	Chantier clay, 2 to 9 percent slopes	Chantier	90	barrier	barrier	barrier	barrier
LaB	Lakoma silty clay, 2 to 6 percent slopes	Lakoma	95	barrier	barrier	barrier	barrier
LaC	Lakoma silty clay, 6 to 9 percent slopes	Lakoma	85	barrier	barrier	barrier	barrier
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Lakoma	50	barrier	barrier	barrier	barrier
LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Lakoma	45	barrier	barrier	barrier	barrier
LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Okaton	35	barrier	barrier	barrier	barrier
OhE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OhE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Lakoma	30	barrier	barrier	barrier	barrier
OlA	Opal clay, 0 to 3 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OlB	Opal clay, 3 to 6 percent slope	Opal	90	barrier	barrier	barrier	barrier
OlC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OmC	Opal-Chantier clays, 2 to 9 percent slope	Opal	50	barrier	barrier	barrier	barrier
OmC	Opal-Chantier clays, 2 to 9 percent slope	Chantier	35	barrier	barrier	barrier	barrier
OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	barrier	barrier	barrier	barrier
RsE	Rock outcrop-Sansarc complex, 9 to 40 percent slopes	Sansarc	20	barrier	barrier	barrier	barrier
SaE	Sansarc clay, 15 to 40 percent slopes	Sansarc	85	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SbE	Sansarc-Opal clays, 9 to 40 percent slopes	Opal	40	barrier	barrier	barrier	barrier
ScE	Sansarc-Rock outcrop complex, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SeE	Sansarc-Schamber complex, 9 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Aastad loam, 0 to 2 percent slopes	Aastad	90	50	66	77	86
AbA	Aberdeen-Exline silty clay loams, 0 to 2 percent slopes	Aberdeen	45	119	153	178	196
AbA	Aberdeen-Exline silty clay loams, 0 to 2 percent slopes	Exline	30	91	117	136	150
Ar	Arveson fine sandy loam	Arveson	85	150	192	223	245
AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Arvilla	60	377	480	554	610
AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Sioux	25	451	575	663	729
Ba	Bearden silt loam	Bearden	90	84	108	126	139
BdA	Bearden-Tonka silt loams, 0 to 3 percent slopes	Bearden	50	84	108	126	139
BdA	Bearden-Tonka silt loams, 0 to 3 percent slopes	Tonka	30	83	108	125	138
Be	Marysland-Divide loams	Marysland	45	552	704	811	892
Be	Marysland-Divide loams	Divide	40	485	618	712	783
BfA	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	133	172	199	219
BfB	Beotia silt loam, 2 to 6 percent slopes	Beotia	90	133	172	199	219
BhA	Beotia-Bearden silt loams, 0 to 3 percent slopes	Beotia	55	133	172	199	219
BhA	Beotia-Bearden silt loams, 0 to 3 percent slopes	Bearden	35	84	108	126	139
BkE	Buse-Forman loams, 9 to 21 percent slopes	Buse	45	50	65	76	85
BkE	Buse-Forman loams, 9 to 21 percent slopes	Forman	30	77	100	117	129
BkF	Buse-Forman loams, 21 to 40 percent slopes	Buse	55	50	65	76	85
BkF	Buse-Forman loams, 21 to 40 percent slopes	Forman	20	77	100	117	129
BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Buse	55	50	65	76	85
BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Forman	25	77	100	117	129
BsE	Buse-Sioux complex, 15 to 21 percent slopes	Buse	40	50	65	76	85
BsE	Buse-Sioux complex, 15 to 21 percent slopes	Sioux	35	451	575	663	729
BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Buse	40	50	65	76	85
BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Sioux	40	451	575	663	729
Co	Colvin silty clay loam	Colvin	90	87	113	131	145
Do	Castlewood silty clay	Castlewood	90	76	99	115	128
EdB	Edgeley loam, 2 to 6 percent slopes	Edgeley	90	47	53	barrier	barrier
EdC	Edgeley loam, 6 to 9 percent slopes	Edgeley	85	47	53	barrier	barrier
EdD	Edgeley loam, 9 to 15 percent slopes	Edgeley	85	47	53	barrier	barrier
EmA	Embden fine sandy loam, 0 to 2 percent slopes	Embden	90	97	126	146	161
EmB	Embden fine sandy loam, 2 to 6 percent slopes	Embden	90	97	126	146	161
EnC	Embden-Buse complex, 2 to 9 percent slopes	Embden	60	97	126	146	161
EnC	Embden-Buse complex, 2 to 9 percent slopes	Buse	20	50	65	76	85
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	606	772	890	979
ExA	Exline-Aberdeen silty clay loams, 0 to 2 percent slopes	Exline	50	91	117	136	150
ExA	Exline-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	40	118	152	176	194
FoA	Fordville loam, 0 to 2 percent slopes	Fordville	90	188	241	279	307
FoB	Fordville loam, 2 to 6 percent slopes	Fordville	90	188	241	279	307
FrA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	60	77	100	117	129
FrA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	25	50	66	77	86
FrB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	77	100	117	129
FrB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	50	66	77	86
FrC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	77	100	117	129
FrC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	50	66	77	86
FrD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	77	100	117	129
FrD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	50	66	77	86
FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	77	100	117	129
FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	50	65	76	85
FsE	Forman-Buse loams, 15 to 25 percent slopes	Forman	55	77	100	117	129
FsE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	50	65	76	85
FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Forman	55	77	100	117	129
FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Buse	25	50	65	76	85
FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Forman	40	77	100	117	129
FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Poinsett	25	123	158	183	202
FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Forman	40	77	100	117	129
FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Poinsett	25	123	158	183	202
GbB	Great Bend silt loam, 2 to 6 percent slopes	Great Bend	85	144	185	214	236
GdA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	60	144	185	214	236
GdA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	30	133	172	199	219
GeB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	70	144	185	215	237
GeB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	20	187	240	278	306

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
GeC	Great Bend-Zell silt loams, 6 to 9 percent slopes	Great Bend	65	144	185	215	237
GeC	Great Bend-Zell silt loams, 6 to 9 percent slopes	Zell	25	187	240	278	306
Ha	Hamar loamy fine sand	Hamar	85	293	374	432	475
Hd	Hamar fine sandy loam	Hamar	90	399	509	587	645
HeA	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Harmony	60	103	133	155	171
HeA	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	25	118	152	176	194
HfA	Hecla loamy fine sand, 0 to 3 percent slopes	Hecla	90	203	260	301	331
HhA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hecla	60	203	260	301	331
HhA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hamar	30	293	374	432	475
HvB2	Hecla-Venlo complex, 0 to 6 percent slopes, eroded	Hecla	60	203	260	301	331
HvB2	Hecla-Venlo complex, 0 to 6 percent slopes, eroded	Venlo	25	312	398	460	506
KbE	Kloten-Buse complex, 15 to 40 percent slopes	Kloten	60	barrier	barrier	barrier	barrier
KbE	Kloten-Buse complex, 15 to 40 percent slopes	Buse	20	50	65	76	85
KnA	Kranzburg silt loam, 0 to 2 percent slopes	Kranzburg	90	84	109	127	140
KnB	Kranzburg silt loam, 2 to 6 percent slopes	Kranzburg	85	84	109	127	140
KnC2	Kranzburg silt loam, 6 to 9 percent slopes, eroded	Kranzburg	85	84	109	127	140
KrA	Kranzburg-Aberdeen silt loams, 0 to 2 percent slopes	Kranzburg	60	84	109	127	140
KrA	Kranzburg-Aberdeen silt loams, 0 to 2 percent slopes	Aberdeen	30	118	152	176	194
KrB	Kranzburg-Aberdeen silt loams, 2 to 6 percent slopes	Kranzburg	65	84	109	127	140
KrB	Kranzburg-Aberdeen silt loams, 2 to 6 percent slopes	Aberdeen	25	118	152	176	194
La	Lamoure silty clay loam	Lamoure	85	136	175	203	224
Lo	Lamoure silty clay loam, channeled	Lamoure	85	136	175	203	224
Lu	Ludden silty clay	Ludden	90	84	108	126	139
MaB	Maddock loamy fine sand, 2 to 6 percent slopes	Maddock	85	237	304	351	386
MaD	Maddock loamy fine sand, 6 to 15 percent slopes	Maddock	90	237	304	351	386
Mr	Southam silty clay loam	Southam	100	78	101	118	130
Od	Oldham silty clay loam	Oldham	90	80	104	121	134
Oh	Oldham silty clay loam, saline	Oldham	90	80	104	121	134
Pa	Parnell silty clay loam	Parnell	85	97	126	146	161
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	90	52	69	80	89
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	90	52	69	80	89
PeC	Peever clay loam, 6 to 9 percent slopes	Peever	90	53	69	81	89
PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Peever	50	53	69	81	89
PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Hamerly	25	69	89	104	115
Pm	Playmoor silty clay loam	Playmoor	85	111	143	166	183
PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Poinsett	50	123	158	183	202
PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Forman	30	77	100	117	129
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	123	158	183	202
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	76	99	115	127
PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Poinsett	60	123	158	183	202
PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Waubay	25	76	99	115	127
RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Renshaw	55	256	327	377	415
RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Fordville	35	188	241	279	307
RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Renshaw	65	256	327	377	415
RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Fordville	25	188	241	279	307
RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Renshaw	65	256	327	377	415
RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Fordville	20	188	241	279	307
Sa	Minnewaukan loamy sand	Minnewaukan	90	138	177	205	226
SdD2	Serden fine sand, 6 to 21 percent slopes, eroded	Serden	90	279	356	411	453
SeB	Serden-Venlo complex, 0 to 6 percent slopes	Serden	50	279	356	411	453
SeB	Serden-Venlo complex, 0 to 6 percent slopes	Venlo	35	312	398	460	506
ShD	Sieche loam, 6 to 15 percent slopes	Sieche	85	74	96	112	124
ShF	Sieche loam, 21 to 50 percent slopes	Sieche	85	74	96	112	124
SkA	Sinai silty clay, 0 to 3 percent slopes	Sinai	95	68	88	102	113
SkB	Sinai silty clay, 3 to 6 percent slopes	Sinai	90	68	88	102	113
SkC	Sinai silty clay, 6 to 9 percent slopes	Sinai	90	68	88	102	113
SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Sioux	75	451	575	663	729
SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Arvilla	20	377	480	554	610
Su	Stirum-Ulen fine sandy loams	Stirum	65	188	241	279	307
Su	Stirum-Ulen fine sandy loams	Ulen	25	163	209	242	266
SwA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	90	85	110	127	141

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
SwB	Swenoda fine sandy loam, 2 to 6 percent slopes	Swenoda	90	85	110	127	141
SxA	Swenoda-Larson complex, 0 to 2 percent slopes	Swenoda	65	85	110	127	141
SxA	Swenoda-Larson complex, 0 to 2 percent slopes	Larson	25	81	105	122	135
To	Tonka silt loam	Tonka	90	83	108	125	138
Uf	Ulen fine sandy loam	Ulen	85	163	209	242	266
Us	Ulen-Stirum fine sandy loams	Ulen	50	163	209	242	266
Us	Ulen-Stirum fine sandy loams	Stirum	30	86	112	130	143
Va	Vallers loam	Vallers	80	56	73	85	94
Wa	Rauville silty clay loam	Rauville	95	305	390	450	495

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Aastad loam, 0 to 2 percent slopes	Aastad	90	39	56	69	79
AbA	Aberdeen-Exline silty clay loams, 0 to 2 percent slopes	Aberdeen	45	106	142	169	189
AbA	Aberdeen-Exline silty clay loams, 0 to 2 percent slopes	Exline	30	78	106	127	143
Ar	Arveson fine sandy loam	Arveson	85	136	180	213	238
AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Arvilla	60	361	468	545	602
AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Sioux	25	436	562	653	722
Ba	Bearden silt loam	Bearden	90	71	97	117	132
BdA	Bearden-Tonka silt loams, 0 to 3 percent slopes	Bearden	50	71	97	117	132
BdA	Bearden-Tonka silt loams, 0 to 3 percent slopes	Tonka	30	70	97	116	131
Be	Marysland-Divide loams	Marysland	45	537	691	801	885
Be	Marysland-Divide loams	Divide	40	469	605	702	776
BfA	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	120	160	189	212
BfB	Beotia silt loam, 2 to 6 percent slopes	Beotia	90	120	160	189	212
BhA	Beotia-Bearden silt loams, 0 to 3 percent slopes	Beotia	55	120	160	189	212
BhA	Beotia-Bearden silt loams, 0 to 3 percent slopes	Bearden	35	71	97	117	132
BkE	Buse-Forman loams, 9 to 21 percent slopes	Buse	45	39	55	68	78
BkE	Buse-Forman loams, 9 to 21 percent slopes	Forman	30	65	89	108	122
BkF	Buse-Forman loams, 21 to 40 percent slopes	Buse	55	39	55	68	78
BkF	Buse-Forman loams, 21 to 40 percent slopes	Forman	20	65	89	108	122
BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Buse	55	39	55	68	78
BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Forman	25	65	89	108	122
BsE	Buse-Sioux complex, 15 to 21 percent slopes	Buse	40	39	55	68	78
BsE	Buse-Sioux complex, 15 to 21 percent slopes	Sioux	35	436	562	653	722
BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Buse	40	39	55	68	78
BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Sioux	40	436	562	653	722
Co	Colvin silty clay loam	Colvin	90	74	102	122	138
Do	Castlewood silty clay	Castlewood	90	64	88	107	121
EdB	Edgeley loam, 2 to 6 percent slopes	Edgeley	90	45	53	barrier	barrier
EdC	Edgeley loam, 6 to 9 percent slopes	Edgeley	85	45	53	barrier	barrier
EdD	Edgeley loam, 9 to 15 percent slopes	Edgeley	85	45	53	barrier	barrier
EmA	Embden fine sandy loam, 0 to 2 percent slopes	Embden	90	84	114	137	154
EmB	Embden fine sandy loam, 2 to 6 percent slopes	Embden	90	84	114	137	154
EnC	Embden-Buse complex, 2 to 9 percent slopes	Embden	60	84	114	137	154
EnC	Embden-Buse complex, 2 to 9 percent slopes	Buse	20	39	55	68	78
EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	591	760	880	971
ExA	Exline-Aberdeen silty clay loams, 0 to 2 percent slopes	Exline	50	78	106	127	143
ExA	Exline-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	40	104	140	167	187
FoA	Fordville loam, 0 to 2 percent slopes	Fordville	90	174	229	269	300
FoB	Fordville loam, 2 to 6 percent slopes	Fordville	90	174	229	269	300
FrA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	60	65	89	108	122
FrA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	25	39	56	69	79
FrB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	65	89	108	122
FrB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	39	56	69	79
FrC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	65	89	108	122
FrC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	39	56	69	79
FrD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	65	89	108	122
FrD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	39	56	69	79
FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	65	89	108	122
FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	39	55	68	78
FsE	Forman-Buse loams, 15 to 25 percent slopes	Forman	55	65	89	108	122
FsE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	39	55	68	78
FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Forman	55	65	89	108	122
FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Buse	25	39	55	68	78
FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Forman	40	65	89	108	122
FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Poinsett	25	109	146	174	195
FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Forman	40	65	89	108	122
FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Poinsett	25	109	146	174	195
GbB	Great Bend silt loam, 2 to 6 percent slopes	Great Bend	85	130	173	205	229
GdA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	60	130	173	205	229
GdA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	30	120	160	189	212
GeB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	70	130	174	205	230
GeB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	20	173	228	268	299

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
GeC	Great Bend-Zell silt loams, 6 to 9 percent slopes	Great Bend	65	130	174	205	230
GeC	Great Bend-Zell silt loams, 6 to 9 percent slopes	Zell	25	173	228	268	299
Ha	Hamar loamy fine sand	Hamar	85	278	362	422	468
Hd	Hamar fine sandy loam	Hamar	90	384	496	577	638
HeA	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Harmony	60	90	122	146	164
HeA	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	25	104	140	167	187
HfA	Hecla loamy fine sand, 0 to 3 percent slopes	Hecla	90	189	248	291	324
HhA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hecla	60	189	248	291	324
HhA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hamar	30	278	362	422	468
HvB2	Hecla-Venlo complex, 0 to 6 percent slopes, eroded	Hecla	60	189	248	291	324
HvB2	Hecla-Venlo complex, 0 to 6 percent slopes, eroded	Venlo	25	297	386	450	499
KbE	Kloten-Buse complex, 15 to 40 percent slopes	Kloten	60	barrier	barrier	barrier	barrier
KbE	Kloten-Buse complex, 15 to 40 percent slopes	Buse	20	39	55	68	78
KnA	Kranzburg silt loam, 0 to 2 percent slopes	Kranzburg	90	72	98	118	134
KnB	Kranzburg silt loam, 2 to 6 percent slopes	Kranzburg	85	72	98	118	134
KnC2	Kranzburg silt loam, 6 to 9 percent slopes, eroded	Kranzburg	85	72	98	118	134
KrA	Kranzburg-Aberdeen silt loams, 0 to 2 percent slopes	Kranzburg	60	72	98	118	134
KrA	Kranzburg-Aberdeen silt loams, 0 to 2 percent slopes	Aberdeen	30	104	140	167	187
KrB	Kranzburg-Aberdeen silt loams, 2 to 6 percent slopes	Kranzburg	65	72	98	118	134
KrB	Kranzburg-Aberdeen silt loams, 2 to 6 percent slopes	Aberdeen	25	104	140	167	187
La	Lamoure silty clay loam	Lamoure	85	122	164	194	217
Lo	Lamoure silty clay loam, channeled	Lamoure	85	122	164	194	217
Lu	Ludden silty clay	Ludden	90	71	97	117	132
MaB	Maddock loamy fine sand, 2 to 6 percent slopes	Maddock	85	223	292	341	379
MaD	Maddock loamy fine sand, 6 to 15 percent slopes	Maddock	90	223	292	341	379
Mr	Southam silty clay loam	Southam	100	66	91	109	124
Od	Oldham silty clay loam	Oldham	90	68	93	112	127
Oh	Oldham silty clay loam, saline	Oldham	90	68	93	112	127
Pa	Parnell silty clay loam	Parnell	85	84	114	137	154
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	90	41	58	72	82
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	90	41	58	72	82
PeC	Peever clay loam, 6 to 9 percent slopes	Peever	90	41	59	72	83
PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Peever	50	41	59	72	83
PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Hamerly	25	56	79	95	108
Pm	Playmoor silty clay loam	Playmoor	85	97	131	156	176
PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Poinsett	50	109	146	174	195
PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Forman	30	65	89	108	122
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	109	146	174	195
PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	64	88	106	120
PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Poinsett	60	109	146	174	195
PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Waubay	25	64	88	106	120
RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Renshaw	55	241	315	368	408
RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Fordville	35	174	229	269	300
RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Renshaw	65	241	315	368	408
RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Fordville	25	174	229	269	300
RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Renshaw	65	241	315	368	408
RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Fordville	20	174	229	269	300
Sa	Minnewaukan loamy sand	Minnewaukan	90	124	165	196	219
SdD2	Serden fine sand, 6 to 21 percent slopes, eroded	Serden	90	264	344	402	445
SeB	Serden-Venlo complex, 0 to 6 percent slopes	Serden	50	264	344	402	445
SeB	Serden-Venlo complex, 0 to 6 percent slopes	Venlo	35	297	386	450	499
ShD	Sieche loam, 6 to 15 percent slopes	Sieche	85	62	86	103	117
ShF	Sieche loam, 21 to 50 percent slopes	Sieche	85	62	86	103	117
SkA	Sinai silty clay, 0 to 3 percent slopes	Sinai	95	55	77	94	107
SkB	Sinai silty clay, 3 to 6 percent slopes	Sinai	90	55	77	94	107
SkC	Sinai silty clay, 6 to 9 percent slopes	Sinai	90	55	77	94	107
SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Sioux	75	436	562	653	722
SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Arvilla	20	361	468	545	602
Su	Stirum-Ulen fine sandy loams	Stirum	65	174	229	269	300
Su	Stirum-Ulen fine sandy loams	Ulen	25	149	197	232	259
SwA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	90	72	99	118	134

South Dakota Lateral Effect Tables for Marshall County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
SwB	Swenoda fine sandy loam, 2 to 6 percent slopes	Swenoda	90	72	99	118	134
SxA	Swenoda-Larson complex, 0 to 2 percent slopes	Swenoda	65	72	99	118	134
SxA	Swenoda-Larson complex, 0 to 2 percent slopes	Larson	25	68	94	113	128
To	Tonka silt loam	Tonka	90	70	97	116	131
Uf	Ulen fine sandy loam	Ulen	85	149	197	232	259
Us	Ulen-Stirum fine sandy loams	Ulen	50	149	197	232	259
Us	Ulen-Stirum fine sandy loams	Stirum	30	73	100	121	136
Va	Vallers loam	Vallers	80	44	62	76	87
Wa	Rauville silty clay loam	Rauville	95	290	377	440	487

South Dakota Lateral Effect Tables for McCook County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Baltic silty clay loam	Baltic	85	88	114	132	146
Bb	Baltic silty clay loam, ponded	Baltic	90	88	114	132	146
BcE	Betts loam, 15 to 40 percent slopes	Betts	85	78	101	117	130
BdB	Blendon loam, 0 to 5 percent slopes	Blendon	85	254	324	375	412
Bo	Bon loam	Bon	85	103	133	155	171
Ca	Chaska loam, channeled	Chaska	90	74	96	112	124
Cb	Clamo silty clay loam	Clamo	85	97	125	146	161
CcB	Clarno loam, 3 to 6 percent slopes	Clarno	85	70	91	107	118
CcC	Clarno loam, 6 to 9 percent slopes	Clarno	80	70	91	107	118
CdA	Clarno-Bonilla loams, 0 to 3 percent slopes	Clarno	50	70	91	107	118
CdA	Clarno-Bonilla loams, 0 to 3 percent slopes	Bonilla	30	97	126	146	161
CeB	Clarno-Davison loams, 2 to 5 percent slopes	Clarno	50	70	91	107	118
CeB	Clarno-Davison loams, 2 to 5 percent slopes	Davison	30	96	124	144	159
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Clarno	40	70	91	107	118
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Davison	30	96	124	144	159
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Crossplain	20	57	75	87	97
ChB	Clarno-Ethan loams, 3 to 6 percent slopes	Clarno	50	70	91	107	118
ChB	Clarno-Ethan loams, 3 to 6 percent slopes	Ethan	40	60	78	91	101
Ck	Crossplain clay loam	Crossplain	85	57	75	87	97
Co	Crossplain-Clarno complex	Crossplain	45	57	75	87	97
Co	Crossplain-Clarno complex	Clarno	40	70	91	107	118
Cr	Crossplain-Dudley complex	Crossplain	55	57	75	87	97
Cr	Crossplain-Dudley complex	Dudley	25	83	108	125	138
DaA	Davis loam, 0 to 3 percent slopes	Davis	85	96	124	144	159
DaB	Davis loam, 3 to 6 percent slopes	Davis	95	96	124	144	159
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Davison	45	96	124	144	159
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Crossplain	40	57	75	87	97
DeB	Delmont loam, 3 to 6 percent slopes	Delmont	85	511	651	750	825
DnA	Delmont-Enet loams, 0 to 3 percent slopes	Delmont	60	511	651	750	825
DnA	Delmont-Enet loams, 0 to 3 percent slopes	Enet	30	536	683	788	866
EaC	Egan-Ethan complex, 5 to 9 percent slopes	Egan	60	69	90	105	116
EaC	Egan-Ethan complex, 5 to 9 percent slopes	Ethan	30	60	78	91	101
EbC	Ethan loam, 6 to 9 percent slopes	Ethan	85	60	78	91	101
EcD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	60	60	78	91	101
EcD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	30	78	101	117	130
HaB	Hand loam, 3 to 6 percent slopes	Hand	85	100	129	150	166
HbA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	55	100	129	150	166
HbA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	30	97	126	146	161
HcB	Hand-Davison loams, 2 to 5 percent slopes	Hand	50	140	180	209	230
HcB	Hand-Davison loams, 2 to 5 percent slopes	Davison	30	96	124	144	159
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Davison	35	96	124	144	159
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Hand	35	140	180	209	230
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Crossplain	25	57	75	87	97
HeB	Hand-Ethan loams, 3 to 6 percent slopes	Hand	55	100	129	150	166
HeB	Hand-Ethan loams, 3 to 6 percent slopes	Ethan	30	60	78	91	101
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	85	98	126	147	162
La	Lamo silty clay loam	Lamo	90	76	99	115	128
Sa	Salmo silty clay loam	Salmo	85	86	111	129	142
TaD	Talmo-Betts loams, 6 to 15 percent slopes	Talmo	45	477	608	701	771
TaD	Talmo-Betts loams, 6 to 15 percent slopes	Betts	40	78	101	117	130
Tb	Tetonka silt loam	Tetonka	85	104	134	155	172
Tc	Tetonka-Canisteo complex	Tetonka	60	104	134	155	172
Tc	Tetonka-Canisteo complex	Canisteo	35	71	93	108	119
Td	Trent silt loam, 0 to 2 percent slopes	Trent	85	98	127	147	162
TeD	Talmo soils, 6 to 15 percent slopes	Talmo	90	477	608	701	771
WaA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	85	99	127	148	163
WbB	Wentworth silty clay loam, 2 to 5 percent slopes	Wentworth	85	99	127	148	163
WcB	Wentworth-Ethan complex, 2 to 5 percent slopes	Wentworth	60	99	127	148	163
WcB	Wentworth-Ethan complex, 2 to 5 percent slopes	Ethan	30	60	78	91	101

South Dakota Lateral Effect Tables for McCook County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Wentworth	45	99	127	148	163
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Trent	35	98	127	147	162
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	104	134	155	172
Wh	Whitewood silt loam	Whitewood	85	93	120	140	154
Wo	Worthing silty clay loam	Worthing	85	76	98	115	127

South Dakota Lateral Effect Tables for McCook County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Baltic silty clay loam	Baltic	85	75	102	123	139
Bb	Baltic silty clay loam, ponded	Baltic	90	75	102	123	139
BcE	Betts loam, 15 to 40 percent slopes	Betts	85	65	90	109	123
BdB	Blendon loam, 0 to 5 percent slopes	Blendon	85	239	312	365	405
Bo	Bon loam	Bon	85	90	122	145	164
Ca	Chaska loam, channeled	Chaska	90	62	85	103	117
Cb	Clamo silty clay loam	Clamo	85	84	114	136	154
CcB	Clarno loam, 3 to 6 percent slopes	Clarno	85	58	81	98	111
CcC	Clarno loam, 6 to 9 percent slopes	Clarno	80	58	81	98	111
CdA	Clarno-Bonilla loams, 0 to 3 percent slopes	Clarno	50	58	81	98	111
CdA	Clarno-Bonilla loams, 0 to 3 percent slopes	Bonilla	30	84	114	137	154
CeB	Clarno-Davison loams, 2 to 5 percent slopes	Clarno	50	58	81	98	111
CeB	Clarno-Davison loams, 2 to 5 percent slopes	Davison	30	83	113	135	152
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Clarno	40	58	81	98	111
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Davison	30	83	113	135	152
CfA	Clarno-Davison-Crossplain complex, 0 to 2 percent slopes	Crossplain	20	46	64	79	90
ChB	Clarno-Ethan loams, 3 to 6 percent slopes	Clarno	50	58	81	98	111
ChB	Clarno-Ethan loams, 3 to 6 percent slopes	Ethan	40	48	68	83	95
Ck	Crossplain clay loam	Crossplain	85	46	64	79	90
Co	Crossplain-Clarno complex	Crossplain	45	46	64	79	90
Co	Crossplain-Clarno complex	Clarno	40	58	81	98	111
Cr	Crossplain-Dudley complex	Crossplain	55	46	64	79	90
Cr	Crossplain-Dudley complex	Dudley	25	70	97	116	132
DaA	Davis loam, 0 to 3 percent slopes	Davis	85	83	113	135	152
DaB	Davis loam, 3 to 6 percent slopes	Davis	95	83	112	135	152
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Davison	45	83	113	135	152
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Crossplain	40	46	64	79	90
DeB	Delmont loam, 3 to 6 percent slopes	Delmont	85	495	638	740	818
DnA	Delmont-Enet loams, 0 to 3 percent slopes	Delmont	60	495	638	740	818
DnA	Delmont-Enet loams, 0 to 3 percent slopes	Enet	30	521	671	778	859
EaC	Egan-Ethan complex, 5 to 9 percent slopes	Egan	60	57	79	96	109
EaC	Egan-Ethan complex, 5 to 9 percent slopes	Ethan	30	48	68	83	95
EbC	Ethan loam, 6 to 9 percent slopes	Ethan	85	48	68	83	95
EcD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	60	48	68	83	95
EcD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	30	65	90	109	123
HaB	Hand loam, 3 to 6 percent slopes	Hand	85	87	118	141	159
HbA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	55	87	118	141	159
HbA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	30	84	114	137	154
HcB	Hand-Davison loams, 2 to 5 percent slopes	Hand	50	126	169	199	223
HcB	Hand-Davison loams, 2 to 5 percent slopes	Davison	30	83	113	135	152
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Davison	35	83	113	135	152
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Hand	35	126	169	199	223
HdA	Hand-Davison-Crossplain complex, 0 to 2 percent slopes	Crossplain	25	46	64	79	90
HeB	Hand-Ethan loams, 3 to 6 percent slopes	Hand	55	87	118	141	159
HeB	Hand-Ethan loams, 3 to 6 percent slopes	Ethan	30	48	68	83	95
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	85	85	115	137	155
La	Lamo silty clay loam	Lamo	90	64	88	107	121
Sa	Salmo silty clay loam	Salmo	85	73	100	120	135
TaD	Talmo-Betts loams, 6 to 15 percent slopes	Talmo	45	462	596	691	764
TaD	Talmo-Betts loams, 6 to 15 percent slopes	Betts	40	65	90	109	123
Tb	Tetonka silt loam	Tetonka	85	91	123	146	165
Tc	Tetonka-Canisteo complex	Tetonka	60	91	123	146	165
Tc	Tetonka-Canisteo complex	Canisteo	35	59	82	99	113
Td	Trent silt loam, 0 to 2 percent slopes	Trent	85	85	115	138	155
TeD	Talmo soils, 6 to 15 percent slopes	Talmo	90	462	596	691	764
WaA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	85	85	116	139	156
WbB	Wentworth silty clay loam, 2 to 5 percent slopes	Wentworth	85	85	116	139	156
WcB	Wentworth-Ethan complex, 2 to 5 percent slopes	Wentworth	60	85	116	139	156
WcB	Wentworth-Ethan complex, 2 to 5 percent slopes	Ethan	30	48	68	83	95

South Dakota Lateral Effect Tables for McCook County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Wentworth	45	85	116	139	156
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Trent	35	85	115	138	155
WdA	Wentworth-Trent-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	91	123	146	165
Wh	Whitewood silt loam	Whitewood	85	80	109	131	147
Wo	Worthing silty clay loam	Worthing	85	63	88	106	120

South Dakota Lateral Effect Tables for McPherson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
3A	Bowdle loam, 0 to 3 percent slopes	Bowdle	85	196	251	290	319
3B	Bowdle loam, 3 to 6 percent slopes	Bowdle	85	196	251	290	319
5A	Bowbells loam, 0 to 2 percent slopes	Bowbells	85	73	95	111	123
5B	Bowbells loam, 2 to 6 percent slopes	Bowbells	85	73	95	111	123
6	Arnegard loam	Arnegard	85	153	196	227	250
7	Bearden silt loam	Bearden	85	78	101	118	130
8	Rentill loam	Rentill	85	121	156	180	199
9A	Bearpaw loam, 0 to 3 percent slopes	Bearpaw	85	68	88	103	114
9B	Bearpaw loam, 3 to 6 percent slopes	Bearpaw	85	68	88	103	114
9C	Bearpaw loam, 6 to 9 percent slopes	Bearpaw	85	68	88	103	114
10	Brantford loam	Brantford	85	635	809	933	1025
11A	Bearpaw-Greenway loams, 0 to 3 percent slopes	Bearpaw	50	68	88	103	114
11A	Bearpaw-Greenway loams, 0 to 3 percent slopes	Greenway	35	81	105	122	135
11B	Bearpaw-Greenway loams, 3 to 6 percent slopes	Bearpaw	45	68	88	103	114
11B	Bearpaw-Greenway loams, 3 to 6 percent slopes	Greenway	35	81	105	122	135
13E	Zahl-Kloten loams, 9 to 35 percent slopes	Zahl	50	72	94	109	121
13E	Zahl-Kloten loams, 9 to 35 percent slopes	Kloten	25	barrier	barrier	barrier	barrier
14D	Vida extremely stony loam, 3 to 15 percent slopes	Vida	85	78	101	118	130
15A	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	50	68	89	103	114
15A	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	30	73	95	111	123
15B	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	68	89	103	114
15B	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	73	95	111	123
15C	Williams-Bowbells loams, 2 to 9 percent slopes	Williams	55	68	89	103	114
15C	Williams-Bowbells loams, 2 to 9 percent slopes	Bowbells	25	73	95	111	123
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	50	68	89	103	114
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	20	73	95	111	123
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	15	75	97	113	125
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Williams	45	68	89	103	114
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Bowbells	20	73	95	111	123
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Tonka	15	75	97	113	125
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Williams	45	68	89	103	114
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Bowbells	20	73	95	111	123
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Parnell	15	93	120	139	153
17B	Vida-Williams loams, 3 to 6 percent slopes	Vida	45	78	101	118	130
17B	Vida-Williams loams, 3 to 6 percent slopes	Williams	40	68	89	103	114
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Vida	40	78	101	118	130
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Williams	30	68	89	103	114
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Bowbells	20	73	95	111	123
17D	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	78	101	118	130
17D	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	25	72	94	109	121
17E	Vida-Zahill loams, 15 to 25 percent slopes	Vida	45	78	101	118	130
17E	Vida-Zahill loams, 15 to 25 percent slopes	Zahill	35	48	64	74	83
18A	Williams-Niobell loams, 0 to 3 percent slopes	Williams	55	68	89	103	114
18A	Williams-Niobell loams, 0 to 3 percent slopes	Niobell	30	91	117	137	151
20A	Lehr loam, 0 to 3 percent slopes	Lehr	90	516	657	758	833
20B	Lehr loam, 3 to 6 percent slopes	Lehr	85	516	657	758	833
21A	Cavour-Miranda loams, 1 to 5 percent slopes	Cavour	50	74	96	111	123
21A	Cavour-Miranda loams, 1 to 5 percent slopes	Miranda	35	53	69	81	90
22A	Niobell-Miranda loams, 0 to 3 percent slopes	Niobell	45	91	117	137	151
22A	Niobell-Miranda loams, 0 to 3 percent slopes	Miranda	30	53	69	81	90
23A	Noonan variant loam, 0 to 2 percent slopes	Noonan	85	448	571	659	724
24A	Niobell-Noonan loams, 1 to 5 percent slopes	Niobell	45	91	117	137	151
24A	Niobell-Noonan loams, 1 to 5 percent slopes	Noonan	35	82	106	123	136
25	Miranda-Heil complex	Miranda	55	53	69	81	90
25	Miranda-Heil complex	Heil	30	67	87	102	112
26	Cresbard-Cavour loams	Cresbard	50	82	106	123	136
26	Cresbard-Cavour loams	Cavour	35	74	96	111	123
27B	Lehr-Bowdle loams, 0 to 6 percent slopes	Lehr	55	516	657	758	833
27B	Lehr-Bowdle loams, 0 to 6 percent slopes	Bowdle	35	196	251	290	319

South Dakota Lateral Effect Tables for McPherson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
29	Exline-Harmony complex	Exline	55	65	85	99	110
29	Exline-Harmony complex	Harmony	35	74	95	111	123
30	Letcher-Parshall loams, 0 to 4 percent slopes	Letcher	40	132	170	197	217
30	Letcher-Parshall loams, 0 to 4 percent slopes	Parshall	35	191	244	282	311
31	Harmony silty clay loam	Harmony	85	74	95	111	123
32	Harmony-Exline complex	Harmony	55	74	95	111	123
32	Harmony-Exline complex	Exline	30	65	85	99	110
37	Straw loam, channeled	Straw	85	172	221	256	282
38	Regan silt loam	Regan	85	157	201	233	257
40A	Mondamin silty clay loam, 0 to 3 percent slopes	Mondamin	85	89	116	134	148
40B	Mondamin silty clay loam, 3 to 6 percent slopes	Mondamin	85	89	116	134	148
43C	Wabek-Bowdle complex, 3 to 15 percent slopes	Wabek	50	473	603	695	765
43C	Wabek-Bowdle complex, 3 to 15 percent slopes	Bowdle	40	196	251	290	319
44D	Wabek gravelly loam, 6 to 20 percent slopes	Wabek	85	473	603	695	765
45B	Wabek-Lehr complex, 2 to 9 percent slopes	Wabek	50	473	603	695	765
45B	Wabek-Lehr complex, 2 to 9 percent slopes	Lehr	30	516	657	758	833
52B	Lihen-Parshall fine sandy loams, 0 to 6 percent slopes	Lihen	50	363	463	534	587
52B	Lihen-Parshall fine sandy loams, 0 to 6 percent slopes	Parshall	30	134	172	200	220
52D	Lihen loamy fine sand, 6 to 20 percent slopes	Lihen	85	306	391	451	497
54B	Tansem-Roseglen loams, 2 to 6 percent slopes	Tansem	55	120	154	179	197
54B	Tansem-Roseglen loams, 2 to 6 percent slopes	Roseglen	30	159	204	236	260
55A	Parshall-Tally fine sandy loams, 0 to 3 percent slopes	Parshall	45	134	172	200	220
55A	Parshall-Tally fine sandy loams, 0 to 3 percent slopes	Tally	35	109	140	163	180
55B	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	109	140	163	180
56D	Tansem variant loam, 9 to 15 percent slopes	Tansem	85	121	155	180	199
57A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Bryant	55	130	168	194	214
57A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Grassna	25	115	148	172	190
57B	Bryant-Grassna silt loams, 1 to 6 percent slopes	Bryant	55	130	168	194	214
57B	Bryant-Grassna silt loams, 1 to 6 percent slopes	Grassna	25	115	148	172	190
57C	Bryant silt loam, 6 to 9 percent slopes	Bryant	85	130	168	194	214
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Temvik	35	99	127	148	163
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Grassna	30	115	148	172	190
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Bearpaw	25	68	88	103	114
62	Hamerly loam	Hamerly	85	68	89	103	115
64	Grassna silt loam	Grassna	85	115	148	172	190
65	Grail silty clay loam	Grail	85	69	90	104	115
72	Ranslo-Harriet loams	Ranslo	45	107	138	160	177
72	Ranslo-Harriet loams	Harriet	40	91	117	136	151
75	Tonka-Nishon silt loams	Tonka	50	75	97	113	125
75	Tonka-Nishon silt loams	Nishon	35	87	113	131	145
76	Parnell silty clay loam	Parnell	90	93	120	139	153
77	Nishon-Heil silt loam	Nishon	50	87	113	131	145
77	Nishon-Heil silt loam	Heil	40	67	87	102	112
80	Heil silt loam	Heil	95	67	87	102	112
82	Stirum loam	Stirum	85	151	194	225	248
85	Ranslo loam	Ranslo	90	107	138	160	177
86	Harriet loam	Harriet	90	91	117	136	151
87	Marysland loam	Marysland	90	541	689	795	874
88	Divide loam	Divide	85	484	617	711	782
97	Regan silt loam, wet	Regan	90	133	172	199	219
98	Vallers silty clay loam	Vallers	85	62	80	94	104
100	Parnell silty clay loam, ponded	Parnell	90	93	120	139	153

South Dakota Lateral Effect Tables for McPherson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
3A	Bowdle loam, 0 to 3 percent slopes	Bowdle	85	181	239	280	312
3B	Bowdle loam, 3 to 6 percent slopes	Bowdle	85	181	239	280	312
5A	Bowbells loam, 0 to 2 percent slopes	Bowbells	85	61	84	102	116
5B	Bowbells loam, 2 to 6 percent slopes	Bowbells	85	61	84	102	116
6	Arnegard loam	Arnegard	85	139	184	218	243
7	Bearden silt loam	Bearden	85	66	90	109	124
8	Rentill loam	Rentill	85	107	144	171	192
9A	Bearpaw loam, 0 to 3 percent slopes	Bearpaw	85	56	78	94	107
9B	Bearpaw loam, 3 to 6 percent slopes	Bearpaw	85	56	78	94	107
9C	Bearpaw loam, 6 to 9 percent slopes	Bearpaw	85	56	78	94	107
10	Brantford loam	Brantford	85	620	797	923	1018
11A	Bearpaw-Greenway loams, 0 to 3 percent slopes	Bearpaw	50	56	78	94	107
11A	Bearpaw-Greenway loams, 0 to 3 percent slopes	Greenway	35	68	94	113	128
11B	Bearpaw-Greenway loams, 3 to 6 percent slopes	Bearpaw	45	56	78	94	107
11B	Bearpaw-Greenway loams, 3 to 6 percent slopes	Greenway	35	68	94	113	128
13E	Zahl-Kloten loams, 9 to 35 percent slopes	Zahl	50	60	83	101	114
13E	Zahl-Kloten loams, 9 to 35 percent slopes	Kloten	25	barrier	barrier	barrier	barrier
14D	Vida extremely stony loam, 3 to 15 percent slopes	Vida	85	65	90	109	123
15A	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	50	56	78	95	108
15A	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	30	61	84	102	116
15B	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	56	78	95	108
15B	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	61	84	102	116
15C	Williams-Bowbells loams, 2 to 9 percent slopes	Williams	55	56	78	95	108
15C	Williams-Bowbells loams, 2 to 9 percent slopes	Bowbells	25	61	84	102	116
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	50	56	78	95	108
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	20	61	84	102	116
16A	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	15	62	86	104	118
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Williams	45	56	78	95	108
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Bowbells	20	61	84	102	116
16B	Williams-Bowbells-Tonka complex, 1 to 6 percent slopes	Tonka	15	62	86	104	118
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Williams	45	56	78	95	108
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Bowbells	20	61	84	102	116
16C	Williams-Bowbells-Parnell complex, 1 to 9 percent slopes	Parnell	15	80	108	130	147
17B	Vida-Williams loams, 3 to 6 percent slopes	Vida	45	65	90	109	123
17B	Vida-Williams loams, 3 to 6 percent slopes	Williams	40	56	78	95	108
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Vida	40	65	90	109	123
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Williams	30	56	78	95	108
17C	Vida-Williams-Bowbells loams, 2 to 15 percent slopes	Bowbells	20	61	84	102	116
17D	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	65	90	109	123
17D	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	25	60	83	101	114
17E	Vida-Zahill loams, 15 to 25 percent slopes	Vida	45	65	90	109	123
17E	Vida-Zahill loams, 15 to 25 percent slopes	Zahill	35	38	54	66	76
18A	Williams-Niobell loams, 0 to 3 percent slopes	Williams	55	56	78	95	108
18A	Williams-Niobell loams, 0 to 3 percent slopes	Niobell	30	78	106	127	144
20A	Lehr loam, 0 to 3 percent slopes	Lehr	90	501	645	748	826
20B	Lehr loam, 3 to 6 percent slopes	Lehr	85	501	645	748	826
21A	Cavour-Miranda loams, 1 to 5 percent slopes	Cavour	50	61	85	103	116
21A	Cavour-Miranda loams, 1 to 5 percent slopes	Miranda	35	42	59	72	83
22A	Niobell-Miranda loams, 0 to 3 percent slopes	Niobell	45	78	106	127	144
22A	Niobell-Miranda loams, 0 to 3 percent slopes	Miranda	30	42	59	72	83
23A	Noonan variant loam, 0 to 2 percent slopes	Noonan	85	433	559	649	717
24A	Niobell-Noonan loams, 1 to 5 percent slopes	Niobell	45	78	106	127	144
24A	Niobell-Noonan loams, 1 to 5 percent slopes	Noonan	35	69	95	114	130
25	Miranda-Heil complex	Miranda	55	42	59	72	83
25	Miranda-Heil complex	Heil	30	55	77	93	106
26	Cresbard-Cavour loams	Cresbard	50	69	95	114	129
26	Cresbard-Cavour loams	Cavour	35	61	85	103	116
27B	Lehr-Bowdle loams, 0 to 6 percent slopes	Lehr	55	501	645	748	826
27B	Lehr-Bowdle loams, 0 to 6 percent slopes	Bowdle	35	181	239	280	312

South Dakota Lateral Effect Tables for McPherson County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
29	Exline-Harmony complex	Exline	55	54	75	91	103
29	Exline-Harmony complex	Harmony	35	61	85	102	116
30	Letcher-Parshall loams, 0 to 4 percent slopes	Letcher	40	118	158	187	210
30	Letcher-Parshall loams, 0 to 4 percent slopes	Parshall	35	176	232	273	304
31	Harmony silty clay loam	Harmony	85	61	85	102	116
32	Harmony-Exline complex	Harmony	55	61	85	102	116
32	Harmony-Exline complex	Exline	30	54	75	91	103
37	Straw loam, channeled	Straw	85	158	209	246	274
38	Regan silt loam	Regan	85	143	189	223	250
40A	Mondamin silty clay loam, 0 to 3 percent slopes	Mondamin	85	77	104	125	142
40B	Mondamin silty clay loam, 3 to 6 percent slopes	Mondamin	85	77	104	125	142
43C	Wabek-Bowdle complex, 3 to 15 percent slopes	Wabek	50	458	591	685	757
43C	Wabek-Bowdle complex, 3 to 15 percent slopes	Bowdle	40	181	239	280	312
44D	Wabek gravelly loam, 6 to 20 percent slopes	Wabek	85	458	591	685	757
45B	Wabek-Lehr complex, 2 to 9 percent slopes	Wabek	50	458	591	685	757
45B	Wabek-Lehr complex, 2 to 9 percent slopes	Lehr	30	501	645	748	826
52B	Lihen-Parshall fine sandy loams, 0 to 6 percent slopes	Lihen	50	348	450	524	580
52B	Lihen-Parshall fine sandy loams, 0 to 6 percent slopes	Parshall	30	120	161	190	213
52D	Lihen loamy fine sand, 6 to 20 percent slopes	Lihen	85	291	379	442	489
54B	Tansem-Roseglen loams, 2 to 6 percent slopes	Tansem	55	106	142	169	190
54B	Tansem-Roseglen loams, 2 to 6 percent slopes	Roseglen	30	145	192	227	253
55A	Parshall-Tally fine sandy loams, 0 to 3 percent slopes	Parshall	45	120	161	190	213
55A	Parshall-Tally fine sandy loams, 0 to 3 percent slopes	Tally	35	95	129	154	173
55B	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	95	129	154	173
56D	Tansem variant loam, 9 to 15 percent slopes	Tansem	85	107	144	171	192
57A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Bryant	55	117	156	185	207
57A	Bryant-Grassna silt loams, 0 to 3 percent slopes	Grassna	25	102	137	163	183
57B	Bryant-Grassna silt loams, 1 to 6 percent slopes	Bryant	55	117	156	185	207
57B	Bryant-Grassna silt loams, 1 to 6 percent slopes	Grassna	25	102	137	163	183
57C	Bryant silt loam, 6 to 9 percent slopes	Bryant	85	117	156	185	207
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Temvik	35	85	116	139	156
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Grassna	30	102	137	163	183
58B	Temvik-Grassna-Bearpaw complex, 1 to 6 percent slopes	Bearpaw	25	56	78	94	107
62	Hamerly loam	Hamerly	85	56	78	95	108
64	Grassna silt loam	Grassna	85	102	137	163	183
65	Grail silty clay loam	Grail	85	57	79	96	109
72	Ranslo-Harriet loams	Ranslo	45	94	127	151	170
72	Ranslo-Harriet loams	Harriet	40	78	106	127	144
75	Tonka-Nishon silt loams	Tonka	50	62	86	104	118
75	Tonka-Nishon silt loams	Nishon	35	74	102	122	138
76	Parnell silty clay loam	Parnell	90	80	108	130	147
77	Nishon-Heil silt loam	Nishon	50	74	102	122	138
77	Nishon-Heil silt loam	Heil	40	55	77	93	106
80	Heil silt loam	Heil	95	55	77	93	106
82	Stirum loam	Stirum	85	137	183	216	241
85	Ranslo loam	Ranslo	90	94	127	151	170
86	Harriet loam	Harriet	90	78	106	127	144
87	Marysland loam	Marysland	90	526	677	785	866
88	Divide loam	Divide	85	469	604	702	775
97	Regan silt loam, wet	Regan	90	120	160	189	212
98	Vallers silty clay loam	Vallers	85	50	70	85	97
100	Parnell silty clay loam, ponded	Parnell	90	80	108	130	147

South Dakota Lateral Effect Tables for Miner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Arlo clay loam	Arlo	85	174	223	258	284
Ba	Baltic silty clay loam	Baltic	90	85	110	128	141
Bn	Bon loam	Bon	90	102	132	153	169
Bo	Bon loam, channeled	Bon	90	99	127	148	163
Ca	Chancellor-Tetonka complex	Chancellor	45	78	101	117	130
Ca	Chancellor-Tetonka complex	Tetonka	35	108	139	161	178
Cc	Clamo silty clay loam	Clamo	85	128	164	191	210
CfA	Clarno-Bonilla loams, 0 to 3 percent slopes	Clarno	55	69	90	104	115
CfA	Clarno-Bonilla loams, 0 to 3 percent slopes	Bonilla	35	98	127	147	163
CfB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	55	69	90	104	115
CfB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	30	98	127	147	163
CgA	Clarno-Crossplain loams, 0 to 2 percent slopes	Clarno	45	69	90	104	115
CgA	Clarno-Crossplain loams, 0 to 2 percent slopes	Crossplain	30	71	92	107	118
CkB	Clarno-Ethan complex, 2 to 6 percent slopes	Clarno	55	69	90	104	115
CkB	Clarno-Ethan complex, 2 to 6 percent slopes	Ethan	30	56	73	85	94
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Clarno	40	69	90	104	115
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	35	71	92	107	118
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	15	108	139	161	178
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Clarno	40	69	90	104	115
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Stickney	30	71	92	107	118
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Tetonka	15	108	139	161	178
Ct	Crossplain-Tetonka complex	Crossplain	45	71	92	107	118
Ct	Crossplain-Tetonka complex	Tetonka	40	108	139	161	178
Da	Davis loam, 1 to 4 percent slopes	Davis	85	99	128	149	164
Do	Dudley-Jerauld silt loams	Dudley	45	85	109	127	141
Do	Dudley-Jerauld silt loams	Jerauld	40	68	89	103	114
Du	Durrstein silt loam	Durrstein	90	70	90	105	117
EbB	Egan-Trent silty clay loams, 1 to 4 percent slopes	Egan	55	76	99	115	127
EbB	Egan-Trent silty clay loams, 1 to 4 percent slopes	Trent	25	100	129	150	166
EdA	Enet-Delmont loams, 0 to 4 percent slopes	Enet	60	212	271	314	345
EdA	Enet-Delmont loams, 0 to 4 percent slopes	Delmont	30	513	654	754	829
EgC	Ethan-Clarno complex, 6 to 9 percent slopes	Ethan	45	56	73	85	94
EgC	Ethan-Clarno complex, 6 to 9 percent slopes	Clarno	40	69	90	104	115
EgD	Ethan-Clarno complex, 9 to 15 percent slopes	Ethan	50	56	73	85	94
EgD	Ethan-Clarno complex, 9 to 15 percent slopes	Clarno	35	69	90	104	115
EmB	Ethan-Egan complex, 3 to 7 percent slopes	Ethan	45	56	73	85	94
EmB	Ethan-Egan complex, 3 to 7 percent slopes	Egan	40	76	99	115	127
HdA	Houdek-Dudley complex, 0 to 2 percent slopes	Houdek	45	63	82	96	106
HdA	Houdek-Dudley complex, 0 to 2 percent slopes	Dudley	30	85	109	127	141
HdB	Houdek-Dudley complex, 2 to 6 percent slopes	Houdek	45	63	82	96	106
HdB	Houdek-Dudley complex, 2 to 6 percent slopes	Dudley	30	85	109	127	141
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Dudley	35	85	109	127	141
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Houdek	35	63	82	96	106
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Tetonka	25	108	139	161	178
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Dudley	35	85	109	127	141
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Houdek	35	63	82	96	106
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Tetonka	25	108	139	161	178
Ho	Hoven silt loam	Hoven	90	96	125	145	160
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	96	124	144	159
HxB	Huntimer-Egan silty clay loams, 2 to 6 percent slopes	Huntimer	50	96	124	144	159
HxB	Huntimer-Egan silty clay loams, 2 to 6 percent slopes	Egan	40	76	99	115	127
La	Lamo silty clay loam	Lamo	80	77	100	116	129
Sd	Stickney-Dudley complex	Stickney	45	71	92	107	118
Sd	Stickney-Dudley complex	Dudley	40	85	109	127	141
Te	Tetonka silt loam	Tetonka	90	108	139	161	178
Wo	Worthing silty clay loam	Worthing	90	66	86	100	111
Wp	Worthing silty clay loam, ponded	Worthing	95	73	95	110	122

South Dakota Lateral Effect Tables for Miner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ar	Arlo clay loam	Arlo	85	160	211	248	277
Ba	Baltic silty clay loam	Baltic	90	72	99	119	134
Bn	Bon loam	Bon	90	89	121	144	162
Bo	Bon loam, channeled	Bon	90	85	116	139	156
Ca	Chancellor-Tetonka complex	Chancellor	45	65	90	108	123
Ca	Chancellor-Tetonka complex	Tetonka	35	94	127	152	171
Cc	Clamo silty clay loam	Clamo	85	114	153	181	203
CfA	Clarno-Bonilla loams, 0 to 3 percent slopes	Clarno	55	57	79	96	109
CfA	Clarno-Bonilla loams, 0 to 3 percent slopes	Bonilla	35	85	116	138	156
CfB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	55	57	79	96	109
CfB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	30	85	116	138	156
CgA	Clarno-Crossplain loams, 0 to 2 percent slopes	Clarno	45	57	79	96	109
CgA	Clarno-Crossplain loams, 0 to 2 percent slopes	Crossplain	30	58	81	98	111
CkB	Clarno-Ethan complex, 2 to 6 percent slopes	Clarno	55	57	79	96	109
CkB	Clarno-Ethan complex, 2 to 6 percent slopes	Ethan	30	44	62	76	88
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Clarno	40	57	79	96	109
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	35	58	81	98	111
CnA	Clarno-Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	15	94	127	152	171
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Clarno	40	57	79	96	109
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Stickney	30	58	81	98	111
CnB	Clarno-Stickney-Tetonka complex, 0 to 6 percent slopes	Tetonka	15	94	127	152	171
Ct	Crossplain-Tetonka complex	Crossplain	45	58	81	98	111
Ct	Crossplain-Tetonka complex	Tetonka	40	94	127	152	171
Da	Davis loam, 1 to 4 percent slopes	Davis	85	86	117	140	158
Do	Dudley-Jerauld silt loams	Dudley	45	72	98	118	134
Do	Dudley-Jerauld silt loams	Jerauld	40	56	78	95	108
Du	Durrstein silt loam	Durrstein	90	57	80	97	110
EbB	Egan-Trent silty clay loams, 1 to 4 percent slopes	Egan	55	64	88	106	121
EbB	Egan-Trent silty clay loams, 1 to 4 percent slopes	Trent	25	87	118	141	159
EdA	Enet-Delmont loams, 0 to 4 percent slopes	Enet	60	197	259	304	338
EdA	Enet-Delmont loams, 0 to 4 percent slopes	Delmont	30	498	642	744	822
EgC	Ethan-Clarno complex, 6 to 9 percent slopes	Ethan	45	44	62	76	88
EgC	Ethan-Clarno complex, 6 to 9 percent slopes	Clarno	40	57	79	96	109
EgD	Ethan-Clarno complex, 9 to 15 percent slopes	Ethan	50	44	62	76	88
EgD	Ethan-Clarno complex, 9 to 15 percent slopes	Clarno	35	57	79	96	109
EmB	Ethan-Egan complex, 3 to 7 percent slopes	Ethan	45	44	62	76	88
EmB	Ethan-Egan complex, 3 to 7 percent slopes	Egan	40	64	88	106	121
HdA	Houdek-Dudley complex, 0 to 2 percent slopes	Houdek	45	51	72	87	100
HdA	Houdek-Dudley complex, 0 to 2 percent slopes	Dudley	30	72	98	118	134
HdB	Houdek-Dudley complex, 2 to 6 percent slopes	Houdek	45	51	72	87	100
HdB	Houdek-Dudley complex, 2 to 6 percent slopes	Dudley	30	72	98	118	134
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Dudley	35	72	98	118	134
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Houdek	35	51	72	87	100
HgA	Houdek-Dudley-Tetonka complex, 0 to 3 percent slopes	Tetonka	25	94	127	152	171
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Dudley	35	72	98	118	134
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Houdek	35	51	72	87	100
HgB	Houdek-Dudley-Tetonka complex, 0 to 6 percent slopes	Tetonka	25	94	127	152	171
Ho	Hoven silt loam	Hoven	90	83	113	136	153
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	83	113	135	152
HxB	Huntimer-Egan silty clay loams, 2 to 6 percent slopes	Huntimer	50	83	113	135	152
HxB	Huntimer-Egan silty clay loams, 2 to 6 percent slopes	Egan	40	64	88	106	121
La	Lamo silty clay loam	Lamo	80	65	89	107	122
Sd	Stickney-Dudley complex	Stickney	45	58	81	98	111
Sd	Stickney-Dudley complex	Dudley	40	72	98	118	134
Te	Tetonka silt loam	Tetonka	90	94	127	152	171
Wo	Worthing silty clay loam	Worthing	90	54	76	92	105
Wp	Worthing silty clay loam, ponded	Worthing	95	61	84	101	115

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AcA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	90	101	131	152	168
AcB	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	90	101	131	152	168
Ar	Arlo loam, 0 to 1 percent slopes	Arlo	80	391	498	575	632
Ba	Baltic silty clay loam, 0 to 1 percent slopes	Baltic	90	86	111	129	143
Bb	Baltic silty clay loam, ponded	Baltic	90	85	110	128	142
BcA	Benclare-Corson complex, 0 to 2 percent slopes	Benclare	60	95	122	142	157
BcA	Benclare-Corson complex, 0 to 2 percent slopes	Corson	30	65	84	98	109
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	45	68	88	103	114
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	67	87	102	113
BfA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	187	240	278	306
BhB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Blendon	55	187	240	278	306
BhB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Henkin	25	123	159	184	203
Bo	Bon loam, 0 to 2 percent slopes	Bon	85	109	141	163	180
Cb	Chancellor silty clay loam, 0 to 1 percent slopes	Chancellor	80	80	103	120	133
Cc	Chancellor-Tetonka complex, 0 to 1 percent slopes	Chancellor	50	80	103	120	133
Cc	Chancellor-Tetonka complex, 0 to 1 percent slopes	Tetonka	30	108	139	161	178
Cd	Chaska loam, 0 to 2 percent slopes	Chaska	80	88	113	132	145
Ch	Chaska loam, channeled	Chaska	75	87	112	131	144
Cm	Clamo silty clay, 0 to 1 percent slopes	Clamo	90	99	128	149	165
CoB	Corson silty clay, 2 to 6 percent slopes	Corson	80	65	84	98	109
CoC	Corson silty clay, 6 to 9 percent slopes	Corson	80	65	84	98	109
CpC	Corson-Henkin complex, 6 to 9 percent slopes	Corson	55	65	84	98	109
CpC	Corson-Henkin complex, 6 to 9 percent slopes	Henkin	25	123	159	184	203
CrD	Crofton-Nora complex, 9 to 15 percent slopes	Crofton	45	196	251	290	320
CrD	Crofton-Nora complex, 9 to 15 percent slopes	Nora	40	99	127	148	163
CrE	Crofton-Nora complex, 15 to 25 percent slopes	Crofton	55	196	251	290	320
CrE	Crofton-Nora complex, 15 to 25 percent slopes	Nora	35	99	127	148	163
CsD	Crofton-Shindler complex, 9 to 15 percent slopes	Crofton	50	196	251	290	320
CsD	Crofton-Shindler complex, 9 to 15 percent slopes	Shindler	30	51	67	78	87
DcA	Davis loam, 0 to 2 percent slopes	Davis	85	106	136	158	174
DcB	Davis loam, 2 to 6 percent slopes	Davis	80	106	136	158	174
DcC	Davis loam, 6 to 9 percent slopes	Davis	80	106	136	158	174
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Davison	45	100	129	149	165
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Crossplain	40	55	72	84	93
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	45	551	702	809	889
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	35	567	723	833	916
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	40	551	702	809	889
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	40	567	723	833	916
DgC	Delmont-Talmo complex, 6 to 9 percent slopes	Delmont	45	551	702	809	889
DgC	Delmont-Talmo complex, 6 to 9 percent slopes	Talmo	30	188	241	279	307
DgD	Delmont-Talmo complex, 9 to 15 percent slopes	Delmont	40	551	702	809	889
DgD	Delmont-Talmo complex, 9 to 15 percent slopes	Talmo	35	188	241	279	307
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	80	220	281	325	358
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	80	220	281	325	358
DtB	Dempster-Talmo complex, 2 to 6 percent slopes	Dempster	65	220	281	325	358
DtB	Dempster-Talmo complex, 2 to 6 percent slopes	Talmo	25	188	241	279	307
Dw	Dimo clay loam, 0 to 2 percent slopes	Dimo	75	176	225	260	287
DxB	Dobalt loam, 2 to 6 percent slopes	Dobalt	85	63	82	96	106
DyA	Dobalt-Bonilla loams, 0 to 2 percent slopes	Dobalt	70	63	82	96	106
DyA	Dobalt-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	109	141	163	180
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	55	72	93	108	120
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	67	87	102	113
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	35	72	93	108	120
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	25	67	87	102	113
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	25	102	131	152	168
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	72	93	108	120
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	30	102	131	152	168
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Egan	35	72	93	108	120
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	30	82	106	124	137

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	20	102	131	152	168
EnA	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	85	567	723	833	916
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Enet	45	567	723	833	916
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Dimo	35	176	225	260	287
EpD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	67	87	102	113
EpD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	35	68	88	103	114
EsE	Ethan-Clarno loams, 6 to 25 percent slopes, very stony	Ethan	50	67	87	102	113
EsE	Ethan-Clarno loams, 6 to 25 percent slopes, very stony	Clarno	30	74	96	112	124
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	50	67	87	102	113
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	73	95	111	123
EuC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	45	67	87	102	113
EuC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	72	93	108	120
ExC	Ethan, very stony-Egan complex, 2 to 9 percent slopes	Ethan	45	67	87	102	113
ExC	Ethan, very stony-Egan complex, 2 to 9 percent slopes	Egan	35	72	93	108	120
FaA	Flandreau loam, 0 to 2 percent slopes	Flandreau	85	195	249	288	317
FaB	Flandreau loam, 2 to 6 percent slopes	Flandreau	85	195	249	288	317
FtB	Flandreau-Thurman complex, 2 to 6 percent slopes	Flandreau	60	195	249	288	317
FtB	Flandreau-Thurman complex, 2 to 6 percent slopes	Thurman	25	309	394	455	500
GrA	Graceville silty clay loam, 0 to 2 percent slopes	Graceville	80	340	434	501	551
GsB	Grovena loam, 2 to 6 percent slopes	Grovena	80	129	166	192	212
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Grovena	65	129	166	192	212
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	109	141	163	180
HoB	Houdek clay loam, 2 to 6 percent slopes	Houdek	80	65	84	98	109
HsC	Houdek-Shindler clay loams, 6 to 9 percent slopes	Houdek	65	65	84	98	109
HsC	Houdek-Shindler clay loams, 6 to 9 percent slopes	Shindler	20	51	67	78	87
HsD	Houdek-Shindler clay loams, 9 to 15 percent slopes	Houdek	55	65	84	98	109
HsD	Houdek-Shindler clay loams, 9 to 15 percent slopes	Shindler	25	51	67	78	87
HtD	Houdek-Talmo complex, 9 to 15 percent slopes	Houdek	45	65	84	98	109
HtD	Houdek-Talmo complex, 9 to 15 percent slopes	Talmo	35	188	241	279	307
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	85	98	126	147	162
HuB	Huntimer silty clay loam, 2 to 6 percent slopes	Huntimer	80	98	126	147	162
IhA	Ihlen silty clay loam, 0 to 2 percent slopes	Ihlen	85	56	barrier	barrier	barrier
IrB	Ihlen-Rock outcrop complex, 0 to 4 percent slopes	Ihlen	60	56	barrier	barrier	barrier
IrE	Ihlen-Rock outcrop complex, 4 to 35 percent slopes	Ihlen	45	56	barrier	barrier	barrier
Ja	Janude fine sandy loam, 0 to 2 percent slopes	Janude	90	85	109	127	141
La	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	80	82	107	124	137
Lb	Lamo silty clay loam, channeled	Lamo	75	82	107	124	137
MdB	Moody silty clay loam, 2 to 6 percent slopes	Moody	80	104	134	155	171
MgA	Moody-Gayville complex, 0 to 3 percent slopes	Gayville	40	76	99	115	128
MgA	Moody-Gayville complex, 0 to 3 percent slopes	Moody	40	104	134	155	171
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	45	104	134	155	171
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	99	127	148	163
MnC	Moody-Nora silty clay loams, 6 to 9 percent slopes	Moody	50	104	134	155	171
MnC	Moody-Nora silty clay loams, 6 to 9 percent slopes	Nora	25	99	127	148	163
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	50	104	134	155	171
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	40	102	131	152	168
NcC	Nora-Crofton complex, 6 to 9 percent slopes	Nora	50	99	127	148	163
NcC	Nora-Crofton complex, 6 to 9 percent slopes	Crofton	30	196	251	290	320
Ob	Obert silty clay loam, 0 to 1 percent slopes	Obert	95	103	133	154	170
Sa	Salmo silty clay loam, 0 to 1 percent slopes	Salmo	75	86	111	129	142
SdE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Shindler	50	51	67	78	87
SdE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Houdek	25	65	84	98	109
SnE	Shindler-Talmo complex, 15 to 40 percent slopes	Shindler	45	51	67	78	87
SnE	Shindler-Talmo complex, 15 to 40 percent slopes	Talmo	35	188	241	279	307
SpA	Splitrock silty clay loam, 0 to 2 percent slopes	Splitrock	90	75	97	113	125
SpB	Splitrock silty clay loam, 2 to 6 percent slopes	Splitrock	85	75	97	113	125
SsF	Steinauer-Shindler clay loams, 25 to 60 percent slopes	Steinauer	40	62	81	95	105
SsF	Steinauer-Shindler clay loams, 25 to 60 percent slopes	Shindler	35	51	67	78	87
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Talmo	40	188	241	279	307
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Delmont	35	551	702	809	889
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	108	139	161	178
TfC	Thurman-Flandreau complex, 6 to 9 percent slopes	Thurman	40	309	394	455	500

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
TfC	Thurman-Flandreau complex, 6 to 9 percent slopes	Flandreau	35	195	249	288	317
TgD	Thurman-Grovena complex, 9 to 15 percent slopes	Thurman	40	309	394	455	500
TgD	Thurman-Grovena complex, 9 to 15 percent slopes	Grovena	35	129	166	192	212
Tr	Trent silty clay loam, 0 to 2 percent slopes	Trent	80	102	131	152	168
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Wakonda	45	93	121	140	155
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	35	80	103	120	133
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	45	82	106	124	137
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	25	80	103	120	133
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	20	93	121	140	155
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	55	82	106	124	137
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	30	102	131	152	168
WhB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	60	82	106	124	137
WhB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	25	102	131	152	168
Wk	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	80	94	121	141	156
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	95	76	99	115	127
Wr	Worthing-Davison complex, 0 to 2 percent slopes	Worthing	45	76	99	115	127
Wr	Worthing-Davison complex, 0 to 2 percent slopes	Davison	35	100	129	149	165

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AcA	Alcester silty clay loam, 0 to 2 percent slopes	Alcester	90	88	120	143	161
AcB	Alcester silty clay loam, 2 to 6 percent slopes	Alcester	90	88	120	143	161
Ar	Arlo loam, 0 to 1 percent slopes	Arlo	80	375	486	565	625
Ba	Baltic silty clay loam, 0 to 1 percent slopes	Baltic	90	73	100	120	136
Bb	Baltic silty clay loam, ponded	Baltic	90	72	99	119	135
BcA	Benclare-Corson complex, 0 to 2 percent slopes	Benclare	60	81	111	133	150
BcA	Benclare-Corson complex, 0 to 2 percent slopes	Corson	30	53	74	89	102
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	45	56	78	94	107
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	55	77	93	106
BfA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	173	228	268	299
BhB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Blendon	55	173	228	268	299
BhB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Henkin	25	110	147	175	196
Bo	Bon loam, 0 to 2 percent slopes	Bon	85	96	129	154	173
Cb	Chancellor silty clay loam, 0 to 1 percent slopes	Chancellor	80	67	92	111	126
Cc	Chancellor-Tetonka complex, 0 to 1 percent slopes	Chancellor	50	67	92	111	126
Cc	Chancellor-Tetonka complex, 0 to 1 percent slopes	Tetonka	30	94	127	152	171
Cd	Chaska loam, 0 to 2 percent slopes	Chaska	80	75	102	123	139
Ch	Chaska loam, channeled	Chaska	75	74	101	122	138
Cm	Clamo silty clay, 0 to 1 percent slopes	Clamo	90	86	117	140	158
CoB	Corson silty clay, 2 to 6 percent slopes	Corson	80	53	74	89	102
CoC	Corson silty clay, 6 to 9 percent slopes	Corson	80	53	74	89	102
CpC	Corson-Henkin complex, 6 to 9 percent slopes	Corson	55	53	74	89	102
CpC	Corson-Henkin complex, 6 to 9 percent slopes	Henkin	25	110	147	175	196
CrD	Crofton-Nora complex, 9 to 15 percent slopes	Crofton	45	182	239	281	313
CrD	Crofton-Nora complex, 9 to 15 percent slopes	Nora	40	86	116	139	156
CrE	Crofton-Nora complex, 15 to 25 percent slopes	Crofton	55	182	239	281	313
CrE	Crofton-Nora complex, 15 to 25 percent slopes	Nora	35	86	116	139	156
CsD	Crofton-Shindler complex, 9 to 15 percent slopes	Crofton	50	182	239	281	313
CsD	Crofton-Shindler complex, 9 to 15 percent slopes	Shindler	30	40	57	70	80
DcA	Davis loam, 0 to 2 percent slopes	Davis	85	92	125	149	168
DcB	Davis loam, 2 to 6 percent slopes	Davis	80	92	125	149	168
DcC	Davis loam, 6 to 9 percent slopes	Davis	80	92	125	149	168
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Davison	45	86	117	140	158
Dd	Davison-Crossplain clay loams, 0 to 2 percent slopes	Crossplain	40	44	62	76	87
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	45	535	689	799	882
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	35	552	710	823	908
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	40	535	689	799	882
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	40	552	710	823	908
DgC	Delmont-Talmo complex, 6 to 9 percent slopes	Delmont	45	535	689	799	882
DgC	Delmont-Talmo complex, 6 to 9 percent slopes	Talmo	30	174	229	269	300
DgD	Delmont-Talmo complex, 9 to 15 percent slopes	Delmont	40	535	689	799	882
DgD	Delmont-Talmo complex, 9 to 15 percent slopes	Talmo	35	174	229	269	300
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	80	205	269	315	351
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	80	205	269	315	351
DtB	Dempster-Talmo complex, 2 to 6 percent slopes	Dempster	65	205	269	315	351
DtB	Dempster-Talmo complex, 2 to 6 percent slopes	Talmo	25	174	229	269	300
Dw	Dimo clay loam, 0 to 2 percent slopes	Dimo	75	161	213	251	280
DxB	Dobalt loam, 2 to 6 percent slopes	Dobalt	85	51	72	87	99
DyA	Dobalt-Bonilla loams, 0 to 2 percent slopes	Dobalt	70	51	72	87	99
DyA	Dobalt-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	96	129	154	173
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	55	59	82	99	113
EaB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	55	77	93	106
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	35	59	82	99	113
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	25	55	77	93	106
EeB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	25	88	120	143	161
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	59	82	99	113
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	30	88	120	143	161
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Egan	35	59	82	99	113
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	30	69	95	115	130

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
EgB	Egan-Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	20	88	120	143	161
EnA	Enet loam, 0 to 2 percent slopes, rarely flooded	Enet	85	552	710	823	908
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Enet	45	552	710	823	908
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Dimo	35	161	213	251	280
EpD	Ethan-Betts loams, 9 to 15 percent slopes	Ethan	45	55	77	93	106
EpD	Ethan-Betts loams, 9 to 15 percent slopes	Betts	35	56	78	94	107
EsE	Ethan-Clarno loams, 6 to 25 percent slopes, very stony	Ethan	50	55	77	93	106
EsE	Ethan-Clarno loams, 6 to 25 percent slopes, very stony	Clarno	30	62	86	103	117
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	50	55	77	93	106
EtD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	61	84	102	116
EuC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	45	55	77	93	106
EuC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	59	82	99	113
ExC	Ethan, very stony-Egan complex, 2 to 9 percent slopes	Ethan	45	55	77	93	106
ExC	Ethan, very stony-Egan complex, 2 to 9 percent slopes	Egan	35	59	82	99	113
FaA	Flandreau loam, 0 to 2 percent slopes	Flandreau	85	180	237	279	310
FaB	Flandreau loam, 2 to 6 percent slopes	Flandreau	85	180	237	279	310
FtB	Flandreau-Thurman complex, 2 to 6 percent slopes	Flandreau	60	180	237	279	310
FtB	Flandreau-Thurman complex, 2 to 6 percent slopes	Thurman	25	294	382	445	493
GrA	Graceville silty clay loam, 0 to 2 percent slopes	Graceville	80	325	422	491	544
GsB	Grovena loam, 2 to 6 percent slopes	Grovena	80	115	154	183	205
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Grovena	65	115	154	183	205
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	96	129	154	173
HoB	Houdek clay loam, 2 to 6 percent slopes	Houdek	80	53	74	90	102
HsC	Houdek-Shindler clay loams, 6 to 9 percent slopes	Houdek	65	53	74	90	102
HsC	Houdek-Shindler clay loams, 6 to 9 percent slopes	Shindler	20	40	57	70	80
HsD	Houdek-Shindler clay loams, 9 to 15 percent slopes	Houdek	55	53	74	90	102
HsD	Houdek-Shindler clay loams, 9 to 15 percent slopes	Shindler	25	40	57	70	80
HtD	Houdek-Talmo complex, 9 to 15 percent slopes	Houdek	45	53	74	90	102
HtD	Houdek-Talmo complex, 9 to 15 percent slopes	Talmo	35	174	229	269	300
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	85	85	115	137	155
HuB	Huntimer silty clay loam, 2 to 6 percent slopes	Huntimer	80	85	115	137	155
IhA	Ihlen silty clay loam, 0 to 2 percent slopes	Ihlen	85	55	barrier	barrier	barrier
IrB	Ihlen-Rock outcrop complex, 0 to 4 percent slopes	Ihlen	60	55	barrier	barrier	barrier
IrE	Ihlen-Rock outcrop complex, 4 to 35 percent slopes	Ihlen	45	55	barrier	barrier	barrier
Ja	Janude fine sandy loam, 0 to 2 percent slopes	Janude	90	72	98	118	134
La	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	80	70	96	115	130
Lb	Lamo silty clay loam, channeled	Lamo	75	70	96	115	130
MdB	Moody silty clay loam, 2 to 6 percent slopes	Moody	80	90	122	146	164
MgA	Moody-Gayville complex, 0 to 3 percent slopes	Gayville	40	64	88	107	121
MgA	Moody-Gayville complex, 0 to 3 percent slopes	Moody	40	90	122	146	164
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	45	90	122	146	164
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	86	116	139	156
MnC	Moody-Nora silty clay loams, 6 to 9 percent slopes	Moody	50	90	122	146	164
MnC	Moody-Nora silty clay loams, 6 to 9 percent slopes	Nora	25	86	116	139	156
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	50	90	122	146	164
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	40	88	120	143	161
NcC	Nora-Crofton complex, 6 to 9 percent slopes	Nora	50	86	116	139	156
NcC	Nora-Crofton complex, 6 to 9 percent slopes	Crofton	30	182	239	281	313
Ob	Obert silty clay loam, 0 to 1 percent slopes	Obert	95	90	122	145	163
Sa	Salmo silty clay loam, 0 to 1 percent slopes	Salmo	75	73	100	120	135
SdE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Shindler	50	40	57	70	80
SdE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Houdek	25	53	74	90	102
SnE	Shindler-Talmo complex, 15 to 40 percent slopes	Shindler	45	40	57	70	80
SnE	Shindler-Talmo complex, 15 to 40 percent slopes	Talmo	35	174	229	269	300
SpA	Splitrock silty clay loam, 0 to 2 percent slopes	Splitrock	90	63	87	105	119
SpB	Splitrock silty clay loam, 2 to 6 percent slopes	Splitrock	85	63	87	105	119
SsF	Steinauer-Shindler clay loams, 25 to 60 percent slopes	Steinauer	40	51	71	86	98
SsF	Steinauer-Shindler clay loams, 25 to 60 percent slopes	Shindler	35	40	57	70	80
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Talmo	40	174	229	269	300
TdE	Talmo-Delmont complex, 15 to 40 percent slopes	Delmont	35	535	689	799	882
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	94	127	152	171
TfC	Thurman-Flandreau complex, 6 to 9 percent slopes	Thurman	40	294	382	445	493

South Dakota Lateral Effect Tables for Minnehaha County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
TfC	Thurman-Flandreau complex, 6 to 9 percent slopes	Flandreau	35	180	237	279	310
TgD	Thurman-Grovena complex, 9 to 15 percent slopes	Thurman	40	294	382	445	493
TgD	Thurman-Grovena complex, 9 to 15 percent slopes	Grovena	35	115	154	183	205
Tr	Trent silty clay loam, 0 to 2 percent slopes	Trent	80	88	120	143	161
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Wakonda	45	80	109	131	148
Wa	Wakonda-Chancellor silty clay loams, 0 to 2 percent slopes	Chancellor	35	67	92	111	126
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	45	69	95	115	130
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	25	67	92	111	126
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	20	80	109	131	148
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	55	69	95	115	130
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	30	88	120	143	161
WhB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	60	69	95	115	130
WhB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	25	88	120	143	161
Wk	Whitewood silty clay loam, 0 to 2 percent slopes	Whitewood	80	81	110	132	149
Wo	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	95	64	88	106	121
Wr	Worthing-Davison complex, 0 to 2 percent slopes	Worthing	45	64	88	106	121
Wr	Worthing-Davison complex, 0 to 2 percent slopes	Davison	35	86	117	140	158

South Dakota Lateral Effect Tables for Moody County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ac	Alcester silty clay loam	Alcester	90	107	138	161	177
Ad	Alwilda sandy loam	Alwilda	85	299	381	440	484
Ar	Arlo loam	Arlo	85	193	247	286	315
Ba	Baltic silty clay loam	Baltic	85	86	111	129	143
Bb	Baltic silty clay loam, ponded	Baltic	90	86	111	129	143
BeA	Blendon sandy loam, 0 to 3 percent slopes	Blendon	85	187	239	277	305
Bo	Bon loam	Bon	85	109	141	163	180
Ca	Chancellor silty clay loam	Chancellor	85	79	102	118	131
Ch	Chaska loam, channeled	Chaska	90	85	110	128	142
Cm	Clamo silty clay	Clamo	90	105	136	157	174
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	102	131	152	168
DaB	Davis loam, 2 to 9 percent slopes	Davis	85	102	131	152	168
Dc	Davison-Crossplain clay loams	Davison	60	87	112	130	144
Dc	Davison-Crossplain clay loams	Crossplain	30	59	77	90	100
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	90	198	253	293	322
DgD	Delmont-Talmo complex, 6 to 40 percent slopes	Delmont	50	198	253	293	322
DgD	Delmont-Talmo complex, 6 to 40 percent slopes	Talmo	30	491	626	722	794
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	85	517	659	760	836
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	85	517	659	760	836
DnB	Dempster-Talmo complex, 2 to 9 percent slopes	Dempster	55	517	659	760	836
DnB	Dempster-Talmo complex, 2 to 9 percent slopes	Talmo	25	491	626	722	794
Do	Dimo clay loam	Dimo	85	260	332	384	422
DsB	Doland loam, 2 to 6 percent slopes	Doland	85	60	78	91	101
DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Doland	60	60	78	91	101
DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	104	134	155	171
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	60	73	94	110	122
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	25	63	82	95	106
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	534	681	785	863
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Enet	60	534	681	785	863
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Dimo	25	260	332	384	422
ErD	Ethan-Clarno loams, 6 to 25 percent slopes	Ethan	50	63	82	95	106
ErD	Ethan-Clarno loams, 6 to 25 percent slopes	Clarno	35	72	93	109	120
EsD	Ethan-Clarno loams, 6 to 25 percent slopes, very bouldery	Ethan	50	64	83	97	107
EsD	Ethan-Clarno loams, 6 to 25 percent slopes, very bouldery	Clarno	35	73	94	110	121
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Ethan	45	63	82	95	106
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Egan	40	73	94	110	122
ExC	Ethan-Egan complex, 2 to 9 percent slopes, very stony	Ethan	50	64	83	97	107
ExC	Ethan-Egan complex, 2 to 9 percent slopes, very stony	Egan	35	73	94	110	122
FaA	Flandreau loam, 0 to 2 percent slopes	Flandreau	85	216	277	320	352
FaB	Flandreau loam, 2 to 6 percent slopes	Flandreau	85	216	277	320	352
FmB	Flandreau-Maddock complex, 2 to 6 percent slopes	Flandreau	60	216	277	320	352
FmB	Flandreau-Maddock complex, 2 to 6 percent slopes	Maddock	30	359	458	528	581
Ga	Graceville silty clay loam	Graceville	85	318	406	468	515
GrB	Grovena loam, 2 to 6 percent slopes	Grovena	85	116	150	174	192
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Grovena	60	116	150	174	192
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	104	134	155	171
HoA	Houdek clay loam, 0 to 2 percent slopes	Houdek	85	68	89	103	114
HoB	Houdek clay loam, 2 to 6 percent slopes	Houdek	85	68	89	103	114
HsC	Houdek-Shindler clay loams, 5 to 9 percent slopes	Houdek	65	68	89	103	114
HsC	Houdek-Shindler clay loams, 5 to 9 percent slopes	Shindler	20	48	63	74	82
HsD	Houdek-Shindler clay loams, 6 to 25 percent slopes	Houdek	50	68	89	103	114
HsD	Houdek-Shindler clay loams, 6 to 25 percent slopes	Shindler	35	48	63	74	82
HtD	Houdek-Talmo complex, 6 to 40 percent slopes	Houdek	50	68	89	103	114
HtD	Houdek-Talmo complex, 6 to 40 percent slopes	Talmo	35	491	626	722	794
HuA	Huntimer silty clay loam, 0 to 3 percent slopes	Huntimer	90	96	124	144	159
KaB	Kranzburg silty clay loam, 2 to 6 percent slopes	Kranzburg	85	76	99	115	128
KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	76	99	115	128
KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	78	101	117	129

South Dakota Lateral Effect Tables for Moody County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
La	Lamo silty clay loam	Lamo	85	77	100	117	129
Lb	Lamo silty clay loam, frequently flooded	Lamo	85	77	100	117	129
MfC	Maddock-Flandreau complex, 5 to 9 percent slopes	Maddock	50	359	458	528	581
MfC	Maddock-Flandreau complex, 5 to 9 percent slopes	Flandreau	35	216	277	320	352
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	55	99	128	148	164
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	95	122	142	157
MoB	Moody silty clay loam, 2 to 4 percent slopes	Moody	90	99	128	148	164
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	65	99	128	148	164
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	95	122	142	157
NcC	Nora-Crofton complex, 5 to 9 percent slopes	Nora	70	95	122	142	157
NcC	Nora-Crofton complex, 5 to 9 percent slopes	Crofton	20	187	239	277	305
NmC	Nora-Moody silty clay loams, 5 to 9 percent slopes	Nora	45	95	122	142	157
NmC	Nora-Moody silty clay loams, 5 to 9 percent slopes	Moody	40	99	128	148	164
Sa	Salmo silty clay loam	Salmo	85	75	98	114	126
ShE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Shindler	45	48	63	74	82
ShE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Houdek	40	68	89	103	114
Tr	Trent silty clay loam	Trent	85	96	124	144	159
Wa	Wakonda-Chancellor silty clay loams	Wakonda	55	94	121	141	156
Wa	Wakonda-Chancellor silty clay loams	Chancellor	35	79	102	118	131
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	55	94	121	141	155
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	20	79	102	118	131
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	15	94	121	141	156
WeB	Wentworth-Egan silty clay loams, 2 to 6 percent slopes	Wentworth	55	106	136	158	174
WeB	Wentworth-Egan silty clay loams, 2 to 6 percent slopes	Egan	30	73	94	110	122
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	65	106	136	158	174
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	96	124	144	159
Wo	Worthing silty clay loam	Worthing	95	68	89	103	115

South Dakota Lateral Effect Tables for Moody County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ac	Alcester silty clay loam	Alcester	90	94	127	151	170
Ad	Alwilda sandy loam	Alwilda	85	284	369	431	477
Ar	Arlo loam	Arlo	85	179	235	276	308
Ba	Baltic silty clay loam	Baltic	85	73	100	120	136
Bb	Baltic silty clay loam, ponded	Baltic	90	73	100	120	136
BeA	Blendon sandy loam, 0 to 3 percent slopes	Blendon	85	172	227	267	298
Bo	Bon loam	Bon	85	96	129	154	173
Ca	Chancellor silty clay loam	Chancellor	85	66	91	110	124
Ch	Chaska loam, channeled	Chaska	90	72	99	119	135
Cm	Clamo silty clay	Clamo	90	92	124	148	167
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	88	120	143	161
DaB	Davis loam, 2 to 9 percent slopes	Davis	85	88	120	143	161
Dc	Davison-Crossplain clay loams	Davison	60	74	101	121	137
Dc	Davison-Crossplain clay loams	Crossplain	30	48	67	82	94
DeA	Delmont loam, 0 to 2 percent slopes	Delmont	90	183	241	283	315
DgD	Delmont-Talmo complex, 6 to 40 percent slopes	Delmont	50	183	241	283	315
DgD	Delmont-Talmo complex, 6 to 40 percent slopes	Talmo	30	476	614	712	787
DmA	Dempster silt loam, 0 to 2 percent slopes	Dempster	85	502	647	750	828
DmB	Dempster silt loam, 2 to 6 percent slopes	Dempster	85	502	647	750	828
DnB	Dempster-Talmo complex, 2 to 9 percent slopes	Dempster	55	502	647	750	828
DnB	Dempster-Talmo complex, 2 to 9 percent slopes	Talmo	25	476	614	712	787
Do	Dimo clay loam	Dimo	85	245	320	374	415
DsB	Doland loam, 2 to 6 percent slopes	Doland	85	48	68	83	94
DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Doland	60	48	68	83	94
DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	90	122	146	165
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	60	60	84	101	115
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	25	51	71	87	99
EnA	Enet loam, 0 to 2 percent slopes	Enet	85	519	668	775	855
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Enet	60	519	668	775	855
EoA	Enet-Dimo complex, 0 to 2 percent slopes	Dimo	25	245	320	374	415
ErD	Ethan-Clarno loams, 6 to 25 percent slopes	Ethan	50	51	71	87	99
ErD	Ethan-Clarno loams, 6 to 25 percent slopes	Clarno	35	60	83	100	114
EsD	Ethan-Clarno loams, 6 to 25 percent slopes, very bouldery	Ethan	50	52	72	88	100
EsD	Ethan-Clarno loams, 6 to 25 percent slopes, very bouldery	Clarno	35	60	84	101	115
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Ethan	45	51	71	87	99
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Egan	40	60	84	101	115
ExC	Ethan-Egan complex, 2 to 9 percent slopes, very stony	Ethan	50	52	72	88	100
ExC	Ethan-Egan complex, 2 to 9 percent slopes, very stony	Egan	35	60	84	101	115
FaA	Flandreau loam, 0 to 2 percent slopes	Flandreau	85	202	265	310	345
FaB	Flandreau loam, 2 to 6 percent slopes	Flandreau	85	202	265	310	345
FmB	Flandreau-Maddock complex, 2 to 6 percent slopes	Flandreau	60	202	265	310	345
FmB	Flandreau-Maddock complex, 2 to 6 percent slopes	Maddock	30	344	446	519	574
Ga	Graceville silty clay loam	Graceville	85	303	393	458	508
GrB	Grovena loam, 2 to 6 percent slopes	Grovena	85	103	138	165	185
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Grovena	60	103	138	165	185
GvA	Grovena-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	90	122	146	165
HoA	Houdek clay loam, 0 to 2 percent slopes	Houdek	85	56	78	94	107
HoB	Houdek clay loam, 2 to 6 percent slopes	Houdek	85	56	78	94	107
HsC	Houdek-Shindler clay loams, 5 to 9 percent slopes	Houdek	65	56	78	94	107
HsC	Houdek-Shindler clay loams, 5 to 9 percent slopes	Shindler	20	37	53	66	76
HsD	Houdek-Shindler clay loams, 6 to 25 percent slopes	Houdek	50	56	78	94	107
HsD	Houdek-Shindler clay loams, 6 to 25 percent slopes	Shindler	35	37	53	66	76
HtD	Houdek-Talmo complex, 6 to 40 percent slopes	Houdek	50	56	78	94	107
HtD	Houdek-Talmo complex, 6 to 40 percent slopes	Talmo	35	476	614	712	787
HuA	Huntimer silty clay loam, 0 to 3 percent slopes	Huntimer	90	83	113	135	153
KaB	Kranzburg silty clay loam, 2 to 6 percent slopes	Kranzburg	85	64	88	107	121
KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	64	88	107	121
KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	65	90	108	123

South Dakota Lateral Effect Tables for Moody County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
La	Lamo silty clay loam	Lamo	85	65	90	108	122
Lb	Lamo silty clay loam, frequently flooded	Lamo	85	65	90	108	122
MfC	Maddock-Flandreau complex, 5 to 9 percent slopes	Maddock	50	344	446	519	574
MfC	Maddock-Flandreau complex, 5 to 9 percent slopes	Flandreau	35	202	265	310	345
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Moody	55	86	117	139	157
MnB	Moody-Nora silty clay loams, 2 to 6 percent slopes	Nora	30	82	111	133	150
MoB	Moody silty clay loam, 2 to 4 percent slopes	Moody	90	86	117	139	157
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Moody	65	86	117	139	157
MtA	Moody-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	82	111	133	150
NcC	Nora-Crofton complex, 5 to 9 percent slopes	Nora	70	82	111	133	150
NcC	Nora-Crofton complex, 5 to 9 percent slopes	Crofton	20	172	227	267	298
NmC	Nora-Moody silty clay loams, 5 to 9 percent slopes	Nora	45	82	111	133	150
NmC	Nora-Moody silty clay loams, 5 to 9 percent slopes	Moody	40	86	117	139	157
Sa	Salmo silty clay loam	Salmo	85	63	87	105	119
ShE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Shindler	45	37	53	66	76
ShE	Shindler-Houdek clay loams, 15 to 40 percent slopes	Houdek	40	56	78	94	107
Tr	Trent silty clay loam	Trent	85	83	113	135	153
Wa	Wakonda-Chancellor silty clay loams	Wakonda	55	81	110	132	149
Wa	Wakonda-Chancellor silty clay loams	Chancellor	35	66	91	110	124
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	55	81	110	131	148
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	20	66	91	110	124
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	15	81	110	132	149
WeB	Wentworth-Egan silty clay loams, 2 to 6 percent slopes	Wentworth	55	92	125	149	167
WeB	Wentworth-Egan silty clay loams, 2 to 6 percent slopes	Egan	30	60	84	101	115
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Wentworth	65	92	125	149	167
WhA	Wentworth-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	83	113	135	152
Wo	Worthing silty clay loam	Worthing	95	56	78	95	108

South Dakota Lateral Effect Tables for Potter County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	85	131	168	195	215
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	90	131	168	195	215
AmA	Agar-Mobridge silt loams, 0 to 3 percent slopes	Agar	60	131	168	195	215
AmA	Agar-Mobridge silt loams, 0 to 3 percent slopes	Mobridge	30	134	172	199	219
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Agar	60	131	168	195	215
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Mobridge	20	134	172	199	219
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Tetonka	15	123	159	184	203
BgE	Betts-Gettys complex, stony, 15 to 60 percent slopes	Betts	50	68	89	103	114
BgE	Betts-Gettys complex, stony, 15 to 60 percent slopes	Gettys	30	44	58	68	75
BkE	Betts-Java loams, 9 to 25 percent slopes	Betts	55	68	89	103	114
BkE	Betts-Java loams, 9 to 25 percent slopes	Java	30	72	93	109	120
Bo	Bon loam	Bon	85	117	150	174	192
Bv	Bon loam, channeled	Bon	85	117	150	174	192
CaA	Cavo loam, 0 to 2 percent slopes	Cavo	80	78	101	118	130
Da	Davison loam	Davison	90	108	139	162	178
De	DeGrey silt loam	DeGrey	85	94	122	141	156
DmA	Delmont loam, 0 to 2 percent slopes	Delmont	90	202	259	299	329
DsD	Delmont-Schamber complex, 6 to 15 percent slopes	Delmont	55	202	259	299	329
DsD	Delmont-Schamber complex, 6 to 15 percent slopes	Schamber	30	358	457	528	580
Du	Durrstein silt loam	Durrstein	85	75	97	113	125
EaA	Eakin silt loam, 0 to 2 percent slopes	Eakin	85	92	119	138	153
EpB	Eakin-Peno complex, 2 to 6 percent slopes	Eakin	60	92	119	138	153
EpB	Eakin-Peno complex, 2 to 6 percent slopes	Peno	25	50	66	77	85
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Eakin	55	92	119	138	153
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Peno	30	50	66	77	85
GeF	Gettys clay loam, 25 to 40 percent slopes	Gettys	85	44	58	68	75
GlA	Glenham loam, 0 to 2 percent slopes	Glenham	90	56	73	86	95
GpB	Glenham-Plankinton complex, 0 to 4 percent slopes	Glenham	60	56	73	86	95
GpB	Glenham-Plankinton complex, 0 to 4 percent slopes	Plankinton	25	101	130	151	166
GrA	Glenham-Prosper loams, 0 to 3 percent slopes	Glenham	55	56	73	86	95
GrA	Glenham-Prosper loams, 0 to 3 percent slopes	Prosper	35	84	109	127	140
GrB	Glenham-Prosper loams, 1 to 6 percent slopes	Glenham	65	56	73	86	95
GrB	Glenham-Prosper loams, 1 to 6 percent slopes	Prosper	25	84	109	127	140
HbA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	91	117	136	151
HbB	Highmore silt loam, 2 to 6 percent slopes	Highmore	85	91	117	136	151
HbC	Highmore silt loam, 6 to 9 percent slopes	Highmore	90	91	117	136	151
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	55	91	117	136	151
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	25	94	122	141	156
HfA	Highmore-Mobridge silt loams, 0 to 3 percent slopes	Highmore	55	91	117	136	151
HfA	Highmore-Mobridge silt loams, 0 to 3 percent slopes	Mobridge	30	134	172	199	219
HgB	Highmore-Peno complex, stony, 2 to 6 percent slopes	Highmore	55	91	117	136	151
HgB	Highmore-Peno complex, stony, 2 to 6 percent slopes	Peno	30	50	66	77	85
HgC	Highmore-Peno complex, stony, 6 to 9 percent slopes	Highmore	45	91	117	136	151
HgC	Highmore-Peno complex, stony, 6 to 9 percent slopes	Peno	35	50	66	77	85
Ho	Hoven silt loam	Hoven	80	84	108	126	139
JbC	Java-Betts loams, 6 to 9 percent slopes	Java	55	72	93	109	120
JbC	Java-Betts loams, 6 to 9 percent slopes	Betts	25	68	89	103	114
JgB	Java-Glenham loams, 2 to 6 percent slopes	Java	45	72	93	109	120
JgB	Java-Glenham loams, 2 to 6 percent slopes	Glenham	40	56	73	86	95
JmE	Java-Schamber complex, 9 to 25 percent slopes	Java	50	72	93	109	120
JmE	Java-Schamber complex, 9 to 25 percent slopes	Schamber	25	358	457	528	580
Jr	Jerauld silt loam	Jerauld	75	75	97	113	125
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	86	177	226	262	288
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	177	226	262	288
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	80	177	226	262	288
LpC	Lowry-Peno complex, 6 to 9 percent slopes	Lowry	60	177	226	262	288
LpC	Lowry-Peno complex, 6 to 9 percent slopes	Peno	25	50	66	77	85
LpD	Lowry-Peno complex, 9 to 15 percent slopes	Lowry	55	177	226	262	288
LpD	Lowry-Peno complex, 9 to 15 percent slopes	Peno	30	50	66	77	85
Mo	Mobridge silt loam	Mobridge	85	134	172	199	219
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	98	510	650	749	824
OaB	Oahe loam, 2 to 6 percent slopes	Oahe	95	510	650	749	824

South Dakota Lateral Effect Tables for Potter County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Oahe	60	510	650	749	824
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Delmont	35	202	259	299	329
Pa	Pits, gravel	Orthents	99	568	724	834	917
Pk	Plankinton silt loam	Plankinton	85	101	130	151	166
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	101	131	152	168
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	101	131	152	168
RaA	Raber loam, 0 to 2 percent slopes	Raber	85	55	72	84	93
RaB	Raber loam, 2 to 6 percent slopes	Raber	85	55	72	84	93
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	55	55	72	84	93
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	30	78	101	118	130
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Raber	60	55	72	84	93
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Cavo	25	78	101	118	130
RgD	Raber-Gettys complex, 9 to 25 percent slopes	Raber	60	55	72	84	93
RgD	Raber-Gettys complex, 9 to 25 percent slopes	Gettys	30	44	58	68	75
RhC	Raber-Peno loams, 6 to 9 percent slopes	Raber	50	55	72	84	93
RhC	Raber-Peno loams, 6 to 9 percent slopes	Peno	30	50	66	77	85
Rn	Ranslo silt loam	Ranslo	85	164	211	244	269
Rr	Ranslo-Durrstein silt loams	Ranslo	60	164	211	244	269
Rr	Ranslo-Durrstein silt loams	Durrstein	30	30	97	113	125
RsA	Ree loam, 0 to 2 percent slopes	Ree	90	30	514	593	652
Rt	Regan silt loam	Regan	85	30	218	252	278
ScF	Schamber gravelly loam, 15 to 60 percent slopes	Schamber	75	358	457	528	580
Te	Tetonka silt loam	Tetonka	80	123	159	184	203
Wa	Walke silt loam	Walke	80	126	162	187	207
Wf	Wendte silty clay loam, channeled	Wendte	85	97	126	146	161
Wo	Worthing silty clay loam	Worthing	90	79	102	119	132
Wp	Worthing silty clay loam, ponded	Worthing	95	79	102	119	132
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
Hu	Hurley silt loam	Hurley	85	barrier	barrier	barrier	barrier
Hz	Hurley-Slickspots complex	Hurley	55	barrier	barrier	barrier	barrier
Hz	Hurley-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier
OkF	Okaton silty clay, 15 to 40 percent slopes	Okaton	85	barrier	barrier	barrier	barrier
OpB	Opal clay, 2 to 6 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OpC	Opal clay, 6 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
SaF	Sansarc clay, 15 to 40 percent slopes	Sansarc	80	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Potter County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	85	117	156	185	208
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	90	117	156	185	208
AmA	Agar-Mobridge silt loams, 0 to 3 percent slopes	Agar	60	117	156	185	208
AmA	Agar-Mobridge silt loams, 0 to 3 percent slopes	Mobridge	30	120	160	190	212
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Agar	60	117	156	185	208
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Mobridge	20	120	160	190	212
AoA	Agar-Mobridge-Tetonka silt loams, 0 to 3 percent slopes	Tetonka	15	110	147	175	196
BgE	Betts-Gettys complex, stony, 15 to 60 percent slopes	Betts	50	56	78	94	107
BgE	Betts-Gettys complex, stony, 15 to 60 percent slopes	Gettys	30	34	48	60	69
BkE	Betts-Java loams, 9 to 25 percent slopes	Betts	55	56	78	94	107
BkE	Betts-Java loams, 9 to 25 percent slopes	Java	30	60	83	100	114
Bo	Bon loam	Bon	85	103	139	165	185
Bv	Bon loam, channeled	Bon	85	103	139	165	185
CaA	Cavo loam, 0 to 2 percent slopes	Cavo	80	66	90	109	123
Da	Davison loam	Davison	90	95	128	152	171
De	DeGrey silt loam	DeGrey	85	81	110	132	149
DmA	Delmont loam, 0 to 2 percent slopes	Delmont	90	187	247	289	322
DsD	Delmont-Schamber complex, 6 to 15 percent slopes	Delmont	55	187	247	289	322
DsD	Delmont-Schamber complex, 6 to 15 percent slopes	Schamber	30	343	445	518	573
Du	Durrstein silt loam	Durrstein	85	62	86	104	118
EaA	Eakin silt loam, 0 to 2 percent slopes	Eakin	85	79	108	129	146
EpB	Eakin-Peno complex, 2 to 6 percent slopes	Eakin	60	79	108	129	146
EpB	Eakin-Peno complex, 2 to 6 percent slopes	Peno	25	39	56	69	79
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Eakin	55	79	108	129	146
EpC	Eakin-Peno complex, 6 to 9 percent slopes	Peno	30	39	56	69	79
GeF	Gettys clay loam, 25 to 40 percent slopes	Gettys	85	34	48	60	69
GlA	Glenham loam, 0 to 2 percent slopes	Glenham	90	45	63	77	89
GpB	Glenham-Plankinton complex, 0 to 4 percent slopes	Glenham	60	45	63	77	89
GpB	Glenham-Plankinton complex, 0 to 4 percent slopes	Plankinton	25	87	118	142	159
GrA	Glenham-Prosper loams, 0 to 3 percent slopes	Glenham	55	45	63	77	89
GrA	Glenham-Prosper loams, 0 to 3 percent slopes	Prosper	35	71	98	118	133
GrB	Glenham-Prosper loams, 1 to 6 percent slopes	Glenham	65	45	63	77	89
GrB	Glenham-Prosper loams, 1 to 6 percent slopes	Prosper	25	71	98	118	133
HbA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	78	106	127	144
HbB	Highmore silt loam, 2 to 6 percent slopes	Highmore	85	78	106	127	144
HbC	Highmore silt loam, 6 to 9 percent slopes	Highmore	90	78	106	127	144
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	55	78	106	127	144
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	25	81	110	132	149
HfA	Highmore-Mobridge silt loams, 0 to 3 percent slopes	Highmore	55	78	106	127	144
HfA	Highmore-Mobridge silt loams, 0 to 3 percent slopes	Mobridge	30	120	160	190	212
HgB	Highmore-Peno complex, stony, 2 to 6 percent slopes	Highmore	55	78	106	127	144
HgB	Highmore-Peno complex, stony, 2 to 6 percent slopes	Peno	30	39	56	69	79
HgC	Highmore-Peno complex, stony, 6 to 9 percent slopes	Highmore	45	78	106	127	144
HgC	Highmore-Peno complex, stony, 6 to 9 percent slopes	Peno	35	39	56	69	79
Ho	Hoven silt loam	Hoven	80	71	97	117	132
JbC	Java-Betts loams, 6 to 9 percent slopes	Java	55	60	83	100	114
JbC	Java-Betts loams, 6 to 9 percent slopes	Betts	25	56	78	94	107
JgB	Java-Glenham loams, 2 to 6 percent slopes	Java	45	60	83	100	114
JgB	Java-Glenham loams, 2 to 6 percent slopes	Glenham	40	45	63	77	89
JmE	Java-Schamber complex, 9 to 25 percent slopes	Java	50	60	83	100	114
JmE	Java-Schamber complex, 9 to 25 percent slopes	Schamber	25	343	445	518	573
Jr	Jerauld silt loam	Jerauld	75	62	86	104	118
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	86	162	214	252	281
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	162	214	252	281
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	80	162	214	252	281
LpC	Lowry-Peno complex, 6 to 9 percent slopes	Lowry	60	162	214	252	281
LpC	Lowry-Peno complex, 6 to 9 percent slopes	Peno	25	39	56	69	79
LpD	Lowry-Peno complex, 9 to 15 percent slopes	Lowry	55	162	214	252	281
LpD	Lowry-Peno complex, 9 to 15 percent slopes	Peno	30	39	56	69	79
Mo	Mobridge silt loam	Mobridge	85	120	160	190	212
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	98	495	637	739	816
OaB	Oahe loam, 2 to 6 percent slopes	Oahe	95	495	637	739	816

South Dakota Lateral Effect Tables for Potter County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Oahe	60	495	637	739	816
OdB	Oahe-Delmont loams, 2 to 6 percent slopes	Delmont	35	187	247	289	322
Pa	Pits, gravel	Orthents	99	553	711	824	910
Pk	Plankinton silt loam	Plankinton	85	87	118	142	159
PrA	Promise clay, 0 to 2 percent slopes	Promise	90	88	120	143	161
PrB	Promise clay, 2 to 6 percent slopes	Promise	90	88	120	143	161
RaA	Raber loam, 0 to 2 percent slopes	Raber	85	44	62	75	86
RaB	Raber loam, 2 to 6 percent slopes	Raber	85	44	62	75	86
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	55	44	62	75	86
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	30	66	90	109	123
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Raber	60	44	62	75	86
RcB	Raber-Cavo loams, 2 to 6 percent slopes	Cavo	25	66	90	109	123
RgD	Raber-Gettys complex, 9 to 25 percent slopes	Raber	60	44	62	75	86
RgD	Raber-Gettys complex, 9 to 25 percent slopes	Gettys	30	34	48	60	69
RhC	Raber-Peno loams, 6 to 9 percent slopes	Raber	50	44	62	75	86
RhC	Raber-Peno loams, 6 to 9 percent slopes	Peno	30	39	56	69	79
Rn	Ranslo silt loam	Ranslo	85	150	199	235	262
Rr	Ranslo-Durrstein silt loams	Ranslo	60	150	199	235	262
Rr	Ranslo-Durrstein silt loams	Durrstein	30	29	86	104	118
RsA	Ree loam, 0 to 2 percent slopes	Ree	90	29	501	583	644
Rt	Regan silt loam	Regan	85	29	206	242	270
ScF	Schamber gravelly loam, 15 to 60 percent slopes	Schamber	75	343	445	518	573
Te	Tetonka silt loam	Tetonka	80	110	147	175	196
Wa	Walke silt loam	Walke	80	112	150	178	200
Wf	Wendte silty clay loam, channeled	Wendte	85	84	114	137	154
Wo	Worthing silty clay loam	Worthing	90	66	91	110	125
Wp	Worthing silty clay loam, ponded	Worthing	95	66	91	110	125
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
Hu	Hurley silt loam	Hurley	85	barrier	barrier	barrier	barrier
Hz	Hurley-Slickspots complex	Hurley	55	barrier	barrier	barrier	barrier
Hz	Hurley-Slickspots complex	Slickspots	30	barrier	barrier	barrier	barrier
OkF	Okaton silty clay, 15 to 40 percent slopes	Okaton	85	barrier	barrier	barrier	barrier
OpB	Opal clay, 2 to 6 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OpC	Opal clay, 6 to 9 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
SaF	Sansarc clay, 15 to 40 percent slopes	Sansarc	80	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Roberts County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Aastad loam, 0 to 2 percent slopes	Aastad	85	52	68	79	88
Ac	Antler-Colvin silt loams	Antler	50	88	113	132	146
Ac	Antler-Colvin silt loams	Colvin	30	101	130	151	167
At	Antler-Tonka silt loams	Antler	45	88	113	132	146
At	Antler-Tonka silt loams	Tonka	25	85	109	127	141
AvA	Antler and Hamerly soils, 0 to 2 percent slopes	Antler	45	88	113	132	146
AvA	Antler and Hamerly soils, 0 to 2 percent slopes	Hamerly	40	70	90	105	117
BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Barnes	50	68	89	103	114
BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Buse	25	47	61	72	79
Be	Bearden silty clay loam	Bearden	85	66	85	99	110
Bo	Borup silt loam	Borup	85	261	334	386	424
BpF	Buse-Forman loams, 20 to 40 percent slopes	Buse	50	47	62	73	81
BpF	Buse-Forman loams, 20 to 40 percent slopes	Forman	20	76	98	114	126
Co	Colvin silt loam, saline	Colvin	90	101	130	151	167
DcA	Dickey fine sandy loam, 0 to 2 percent slopes	Dickey	80	92	119	138	153
DcB	Dickey fine sandy loam, 2 to 6 percent slopes	Dickey	80	92	119	138	153
Dm	Divide-Marysland loams	Divide	55	515	656	756	831
Dm	Divide-Marysland loams	Marysland	40	355	453	523	575
Do	Doran loam	Doran	80	54	71	83	92
Dv	Castlewood clay	Castlewood	85	89	115	134	148
EcA	Eckman loam, 0 to 2 percent slopes	Eckman	85	127	164	190	209
EcB	Eckman loam, 2 to 6 percent slopes	Eckman	80	127	164	190	209
EeC	Eckman-Zell complex, 6 to 9 percent slopes	Eckman	65	127	164	190	209
EeC	Eckman-Zell complex, 6 to 9 percent slopes	Zell	25	214	274	316	348
Eh	Embden-Hamar fine sandy loams	Embden	70	190	244	282	311
Eh	Embden-Hamar fine sandy loams	Hamar	20	171	220	254	280
FdA	Fordville loam, 0 to 3 percent slopes	Fordville	90	192	246	285	313
FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Fordville	70	192	246	285	313
FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Renshaw	25	258	330	381	419
FoA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	76	98	114	126
FoA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	52	68	79	88
FoB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	76	98	114	126
FoB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	52	68	79	88
FoC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	76	98	114	126
FoC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	52	68	79	88
FoD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	76	98	114	126
FoD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	52	68	79	88
FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Forman	65	76	98	114	126
FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Aastad	25	52	68	79	88
FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	76	98	114	126
FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	47	62	73	81
FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Forman	55	76	98	114	126
FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Buse	25	47	62	73	81
FuE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	76	98	114	126
FuE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	47	62	73	81
FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Forman	55	76	98	114	126
FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Buse	20	47	61	72	79
Ga	Gardena silt loam	Gardena	85	140	179	208	229
GyA	Glyndon silt loam, 0 to 3 percent slopes	Glyndon	85	128	165	191	211
Ha	Hamar fine sandy loam	Hamar	90	171	220	254	280
HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Hamerly	45	70	90	105	117
HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Tonka	25	85	109	127	141
HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Hamerly	65	70	90	105	117
HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Vallers	20	60	78	91	101
HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Hamerly	65	70	90	105	117
HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Vallers	20	60	78	91	101
HdD	Hattie clay loam, 9 to 15 percent slopes	Hattie	90	77	100	117	129
HdE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	77	100	117	129
HkD	Hattie and Kloten soils, 9 to 25 percent slopes	Hattie	45	77	100	117	129
HkD	Hattie and Kloten soils, 9 to 25 percent slopes	Kloten	40	barrier	barrier	barrier	barrier
HmA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hecla	60	205	262	303	334
HmA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hamar	30	144	185	214	236

South Dakota Lateral Effect Tables for Roberts County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	55	73	94	110	122
HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	20	121	156	181	199
HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	50	73	94	110	122
HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	25	121	156	181	199
HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	75	73	94	110	122
HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	15	99	128	148	163
HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	65	73	94	110	122
HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	99	128	148	163
La	LaDelle silt loam	LaDelle	90	111	144	166	184
Lm	Lamoure silty clay loam	Lamoure	90	141	181	209	231
Lp	La Prairie loam	La Prairie	90	76	98	115	127
Lt	Lamoure silty clay loam, channeled	Lamoure	85	141	181	209	231
Lu	Ludden clay	Ludden	90	82	106	124	137
MaB	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	290	370	427	470
MaD	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	290	370	427	470
Mr	Southam silty clay loam	Southam	90	83	107	125	138
Mw	Marysland silt loam, wet	Marysland	85	355	453	523	575
Pa	Parnell silty clay loam	Parnell	85	101	131	152	168
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	54	71	83	92
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	85	54	71	83	92
PeC	Peever clay loam, 6 to 9 percent slopes	Peever	80	54	71	83	92
PhA	Peever-Cavour complex, 0 to 3 percent slopes	Peever	70	54	71	83	92
PhA	Peever-Cavour complex, 0 to 3 percent slopes	Cavour	25	69	90	105	116
Pk	Peever-Tonka complex	Peever	60	54	71	83	92
Pk	Peever-Tonka complex	Tonka	30	85	109	127	141
Pm	Playmoor silty clay loam	Playmoor	85	110	142	164	181
PoA	Poinsett silt loam, 0 to 2 percent slopes	Poinsett	90	126	162	188	207
PoB	Poinsett silt loam, 2 to 6 percent slopes	Poinsett	90	126	162	188	207
Ra	Rauville mucky silt loam	Rauville	90	204	262	302	333
ReA	Renshaw loam, 0 to 3 percent slopes	Renshaw	85	258	330	381	419
ReB	Renshaw loam, 3 to 9 percent slopes	Renshaw	85	258	330	381	419
RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Renshaw	70	258	330	381	419
RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Sioux	20	438	558	644	708
RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Renshaw	50	258	330	381	419
RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Sioux	40	438	558	644	708
RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Renshaw	50	258	330	381	419
RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Sioux	35	438	558	644	708
RtA	Rentill loam, 0 to 2 percent slopes	Rentill	85	101	131	152	168
RtB	Rentill loam, 2 to 6 percent slopes	Rentill	85	101	131	152	168
Sb	Minnewaukan loamy sand	Minnewaukan	90	138	177	205	226
ScF	Sieche loam, 15 to 40 percent slopes	Sieche	80	66	85	99	110
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	65	85	99	110
SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	65	85	99	110
SsF	Sisseton loam, 25 to 40 percent slopes	Sisseton	70	121	156	181	199
StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Sisseton	45	121	156	181	199
StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Heimdal	30	73	94	110	122
SvC	Svea loam, 5 to 9 percent slopes	Svea	90	99	128	148	163
SwA	Sverdrup sandy loam, 0 to 3 percent slopes	Sverdrup	85	332	424	489	538
SwB	Sverdrup sandy loam, 3 to 9 percent slopes	Sverdrup	85	332	424	489	538
Tk	Tonka silt loam	Tonka	85	85	109	127	141
To	Towner fine sandy loam	Towner	85	95	123	143	158
Un	Ulen sandy loam	Ulen	90	316	404	466	513
VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	60	78	91	101
VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	70	90	105	117
VnA	Vienna silt loam, 0 to 2 percent slopes	Vienna	85	83	108	125	138
VnB	Vienna silt loam, 2 to 6 percent slopes	Vienna	80	83	108	125	138
VnC	Vienna silt loam, 6 to 9 percent slopes	Vienna	80	83	108	125	138
Wa	Waubay silty clay loam	Waubay	90	77	100	116	128
ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Zell	60	214	274	316	348
ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Eckman	25	127	164	190	209

South Dakota Lateral Effect Tables for Roberts County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Aastad loam, 0 to 2 percent slopes	Aastad	85	41	58	71	81
Ac	Antler-Colvin silt loams	Antler	50	75	102	123	139
Ac	Antler-Colvin silt loams	Colvin	30	88	119	142	160
At	Antler-Tonka silt loams	Antler	45	75	102	123	139
At	Antler-Tonka silt loams	Tonka	25	72	98	118	134
AvA	Antler and Hamerly soils, 0 to 2 percent slopes	Antler	45	75	102	123	139
AvA	Antler and Hamerly soils, 0 to 2 percent slopes	Hamerly	40	57	80	97	110
BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Barnes	50	56	78	94	108
BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Buse	25	36	51	63	73
Be	Bearden silty clay loam	Bearden	85	54	75	91	103
Bo	Borup silt loam	Borup	85	246	322	376	417
BpF	Buse-Forman loams, 20 to 40 percent slopes	Buse	50	37	52	65	74
BpF	Buse-Forman loams, 20 to 40 percent slopes	Forman	20	63	87	105	120
Co	Colvin silt loam, saline	Colvin	90	88	119	142	160
DcA	Dickey fine sandy loam, 0 to 2 percent slopes	Dickey	80	79	108	129	146
DcB	Dickey fine sandy loam, 2 to 6 percent slopes	Dickey	80	79	108	129	146
Dm	Divide-Marysland loams	Divide	55	499	643	746	824
Dm	Divide-Marysland loams	Marysland	40	340	441	513	568
Do	Doran loam	Doran	80	43	61	74	85
Dv	Castlewood clay	Castlewood	85	76	104	125	141
EcA	Eckman loam, 0 to 2 percent slopes	Eckman	85	113	152	180	202
EcB	Eckman loam, 2 to 6 percent slopes	Eckman	80	113	152	180	202
EeC	Eckman-Zell complex, 6 to 9 percent slopes	Eckman	65	113	152	180	202
EeC	Eckman-Zell complex, 6 to 9 percent slopes	Zell	25	199	261	307	341
Eh	Embden-Hamar fine sandy loams	Embden	70	176	232	273	303
Eh	Embden-Hamar fine sandy loams	Hamar	20	157	208	245	273
FdA	Fordville loam, 0 to 3 percent slopes	Fordville	90	178	234	275	306
FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Fordville	70	178	234	275	306
FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Renshaw	25	243	318	371	412
FoA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	63	87	105	120
FoA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	41	58	71	81
FoB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	63	87	105	120
FoB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	41	58	71	81
FoC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	63	87	105	120
FoC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	41	58	71	81
FoD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	63	87	105	120
FoD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	41	58	71	81
FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Forman	65	63	87	105	120
FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Aastad	25	41	58	71	81
FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	63	87	105	120
FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	37	52	65	74
FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Forman	55	63	87	105	120
FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Buse	25	37	52	65	74
FuE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	63	87	105	120
FuE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	37	52	65	74
FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Forman	55	63	87	105	120
FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Buse	20	36	51	63	73
Ga	Gardena silt loam	Gardena	85	126	168	198	222
GyA	Glyndon silt loam, 0 to 3 percent slopes	Glyndon	85	115	153	182	204
Ha	Hamar fine sandy loam	Hamar	90	157	208	245	273
HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Hamerly	45	57	80	97	110
HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Tonka	25	72	98	118	134
HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Hamerly	65	57	80	97	110
HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Vallers	20	48	67	82	94
HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Hamerly	65	57	80	97	110
HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Vallers	20	48	67	82	94
HdD	Hattie clay loam, 9 to 15 percent slopes	Hattie	90	65	89	108	122
HdE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	65	89	108	122
HkD	Hattie and Kloten soils, 9 to 25 percent slopes	Hattie	45	65	89	108	122
HkD	Hattie and Kloten soils, 9 to 25 percent slopes	Kloten	40	barrier	barrier	barrier	barrier
HmA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hecla	60	190	250	293	326
HmA	Hecla-Hamar loamy fine sands, 0 to 3 percent slopes	Hamar	30	130	173	204	228

South Dakota Lateral Effect Tables for Roberts County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	55	61	84	101	115
HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	20	107	144	171	192
HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	50	61	84	101	115
HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	25	107	144	171	192
HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	75	61	84	101	115
HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	15	86	116	139	157
HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	65	61	84	101	115
HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	86	116	139	157
La	LaDelle silt loam	LaDelle	90	98	132	157	177
Lm	Lamoure silty clay loam	Lamoure	90	127	169	200	224
Lp	La Prairie loam	La Prairie	90	63	88	106	120
Lt	Lamoure silty clay loam, channeled	Lamoure	85	127	169	200	224
Lu	Ludden clay	Ludden	90	69	95	115	130
MaB	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	275	358	418	463
MaD	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	275	358	418	463
Mr	Southam silty clay loam	Southam	90	70	96	116	131
Mw	Marysland silt loam, wet	Marysland	85	340	441	513	568
Pa	Parnell silty clay loam	Parnell	85	88	120	143	161
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	43	61	74	85
PeB	Peever clay loam, 2 to 6 percent slopes	Peever	85	43	61	74	85
PeC	Peever clay loam, 6 to 9 percent slopes	Peever	80	43	61	74	85
PhA	Peever-Cavour complex, 0 to 3 percent slopes	Peever	70	43	61	74	85
PhA	Peever-Cavour complex, 0 to 3 percent slopes	Cavour	25	57	79	96	109
Pk	Peever-Tonka complex	Peever	60	43	61	74	85
Pk	Peever-Tonka complex	Tonka	30	72	98	118	134
Pm	Playmoor silty clay loam	Playmoor	85	97	130	155	175
PoA	Poinsett silt loam, 0 to 2 percent slopes	Poinsett	90	112	150	179	200
PoB	Poinsett silt loam, 2 to 6 percent slopes	Poinsett	90	112	150	179	200
Ra	Rauville mucky silt loam	Rauville	90	190	250	293	326
ReA	Renshaw loam, 0 to 3 percent slopes	Renshaw	85	243	318	371	412
ReB	Renshaw loam, 3 to 9 percent slopes	Renshaw	85	243	318	371	412
RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Renshaw	70	243	318	371	412
RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Sioux	20	422	546	634	700
RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Renshaw	50	243	318	371	412
RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Sioux	40	422	546	634	700
RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Renshaw	50	243	318	371	412
RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Sioux	35	422	546	634	700
RtA	Rentill loam, 0 to 2 percent slopes	Rentill	85	88	119	143	161
RtB	Rentill loam, 2 to 6 percent slopes	Rentill	85	88	119	143	161
Sb	Minnewaukan loamy sand	Minnewaukan	90	124	165	196	219
ScF	Sieche loam, 15 to 40 percent slopes	Sieche	80	54	75	91	103
SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	53	75	91	103
SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	53	75	91	103
SsF	Sisseton loam, 25 to 40 percent slopes	Sisseton	70	107	144	171	192
StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Sisseton	45	107	144	171	192
StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Heimdal	30	61	84	101	115
SvC	Svea loam, 5 to 9 percent slopes	Svea	90	86	116	139	157
SwA	Sverdrup sandy loam, 0 to 3 percent slopes	Sverdrup	85	317	412	480	531
SwB	Sverdrup sandy loam, 3 to 9 percent slopes	Sverdrup	85	317	412	480	531
Tk	Tonka silt loam	Tonka	85	72	98	118	134
To	Towner fine sandy loam	Towner	85	82	112	134	151
Un	Ulen sandy loam	Ulen	90	301	391	456	505
VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	48	67	82	94
VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	57	80	97	110
VnA	Vienna silt loam, 0 to 2 percent slopes	Vienna	85	70	97	116	131
VnB	Vienna silt loam, 2 to 6 percent slopes	Vienna	80	70	97	116	131
VnC	Vienna silt loam, 6 to 9 percent slopes	Vienna	80	70	97	116	131
Wa	Waubay silty clay loam	Waubay	90	64	89	107	121
ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Zell	60	199	261	307	341
ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Eckman	25	113	152	180	202

South Dakota Lateral Effect Tables for Sanborn County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alwilda fine sandy loam, 0 to 2 percent slopes	Alwilda	90	314	401	463	509
AaB	Alwilda fine sandy loam, 2 to 6 percent slopes	Alwilda	95	314	401	463	509
Ab	Artesian-Farmsworth complex	Artesian	55	82	107	124	137
Ab	Artesian-Farmsworth complex	Farmsworth	35	97	125	145	160
BaE	Betts loam, 15 to 40 percent slopes	Betts	85	67	86	101	112
BbD	Betts-Ethan loams, 9 to 15 percent slopes	Betts	45	67	86	101	112
BbD	Betts-Ethan loams, 9 to 15 percent slopes	Ethan	35	67	87	101	112
BcA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	211	270	313	344
BcB	Blendon fine sandy loam, 2 to 6 percent slopes	Blendon	90	211	270	313	344
Bd	Bon loam, channeled	Bon	98	105	135	157	173
CaA	Carthage fine sandy loam, 0 to 2 percent slopes	Carthage	85	103	133	154	170
CaB	Carthage fine sandy loam, 2 to 6 percent slopes	Carthage	90	103	133	154	170
CbA	Carthage-Clarno fine sandy loams, 0 to 2 percent slopes	Carthage	50	103	133	154	170
CbA	Carthage-Clarno fine sandy loams, 0 to 2 percent slopes	Clarno	35	62	81	94	104
CcB	Carthage-Hand fine sandy loams, 2 to 6 percent slopes	Carthage	50	103	133	154	170
CcB	Carthage-Hand fine sandy loams, 2 to 6 percent slopes	Hand	30	81	105	122	135
Cd	Clamo loam	Clamo	85	97	126	146	161
Ce	Clamo silty clay	Clamo	90	86	111	129	143
Cf	Clamo silty clay, frequently flooded	Clamo	100	86	112	130	144
CgA	Clarno loam, 0 to 2 percent slopes	Clarno	90	70	91	106	117
ChB	Clarno-Bonilla loams, 2 to 6 percent slopes	Clarno	45	70	91	106	117
ChB	Clarno-Bonilla loams, 2 to 6 percent slopes	Bonilla	30	100	129	150	165
CkB	Clarno-Dudley complex, 2 to 6 percent slopes	Clarno	45	70	91	106	117
CkB	Clarno-Dudley complex, 2 to 6 percent slopes	Dudley	25	80	104	121	134
CmB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	55	70	91	106	117
CmB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	30	67	87	101	112
CoA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	50	70	91	106	117
CoA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	30	76	98	114	127
DaB	Davis loam, 2 to 6 percent slopes	Davis	90	96	125	145	160
Db	Davison loam	Davison	85	96	124	144	159
Dc	Davison variant silt loam	Davison	85	206	264	305	336
DdA	Delmont loam, 0 to 2 percent slopes	Delmont	85	520	662	764	840
DeA	Doger loamy fine sand, 0 to 2 percent slopes	Doger	85	238	304	351	386
DeB	Doger loamy fine sand, 2 to 6 percent slopes	Doger	85	238	304	351	386
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Dudley	30	80	104	121	134
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Jerauld	30	72	93	108	120
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Clarno	20	70	91	106	117
Dh	Durrstein silt loam	Durrstein	85	59	77	89	99
Dk	Durrstein-Farmsworth complex	Durrstein	50	59	77	89	99
Dk	Durrstein-Farmsworth complex	Farmsworth	30	97	125	145	160
Ea	Elsmere loamy fine sand, loamy substratum	Elsmere	85	108	139	162	178
Eb	Elsmere-Orwet complex	Elsmere	55	108	139	162	178
Eb	Elsmere-Orwet complex	Orwet	25	278	355	410	451
EcA	Enet loam, 0 to 2 percent slopes	Enet	85	528	673	776	853
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	55	217	277	321	353
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	30	520	662	764	840
EeC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	67	87	101	112
EeC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	35	70	91	106	117
Fa	Fedora fine sandy loam	Fedora	75	147	189	219	241
FbA	Forestburg loamy fine sand, 0 to 2 percent slopes	Forestburg	85	113	145	169	186
FcB	Forestburg-Ethan loamy fine sands, 2 to 6 percent slopes	Forestburg	60	113	145	169	186
FcB	Forestburg-Ethan loamy fine sands, 2 to 6 percent slopes	Ethan	20	64	83	97	107
FcC	Forestburg-Ethan loamy fine sands, 6 to 9 percent slopes	Forestburg	50	113	145	169	186
FcC	Forestburg-Ethan loamy fine sands, 6 to 9 percent slopes	Ethan	35	64	83	97	107
HaA	Hand-Bonilla loams, 0 to 2 percent slopes	Hand	45	100	129	150	166
HaA	Hand-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	100	129	150	165
HbB	Hand-Ethan loams, 2 to 6 percent slopes	Hand	50	100	129	150	166
HbB	Hand-Ethan loams, 2 to 6 percent slopes	Ethan	25	67	87	101	112

South Dakota Lateral Effect Tables for Sanborn County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HcB	Houdek-Dudley complex, 2 to 6 percent slopes	Houdek	45	71	92	107	118
HcB	Houdek-Dudley complex, 2 to 6 percent slopes	Dudley	25	80	104	121	134
HdB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	55	71	92	107	118
HdB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	25	67	87	101	112
HeA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	55	71	92	107	118
HeA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	76	98	114	127
HeB	Houdek-Prosper loams, 2 to 6 percent slopes	Houdek	50	71	92	107	118
HeB	Houdek-Prosper loams, 2 to 6 percent slopes	Prosper	25	78	102	118	131
HfA	Houdek-Stickney loams, 0 to 2 percent slopes	Houdek	50	71	92	107	118
HfA	Houdek-Stickney loams, 0 to 2 percent slopes	Stickney	25	68	89	103	114
Hk	Hoven silt loam	Hoven	90	86	112	130	143
HmA	Hoven-Durrstein silt loams, 0 to 2 percent slopes	Hoven	50	86	112	130	143
HmA	Hoven-Durrstein silt loams, 0 to 2 percent slopes	Durrstein	40	59	77	89	99
Ia	Ipage-Els loamy fine sands	Ipage	50	297	380	438	482
Ia	Ipage-Els loamy fine sands	Els	30	313	399	461	507
Ja	James silty clay	James	90	67	88	102	113
La	Lamo silty clay loam	Lamo	90	77	100	117	129
Lb	Lute fine sandy loam	Lute	85	134	172	200	220
Lc	Lute fine sandy loam, ponded	Lute	90	134	172	200	220
LdA	Lute-Whitelake fine sandy loams, 0 to 2 percent slopes	Lute	55	134	172	200	220
LdA	Lute-Whitelake fine sandy loams, 0 to 2 percent slopes	Whitelake	30	115	149	172	190
Oa	Orwet fine sandy loam	Orwet	85	278	355	410	451
Sa	Shue-Davison loamy fine sands	Shue	60	109	141	164	181
Sa	Shue-Davison loamy fine sands	Davison	20	73	94	110	121
Sb	Shue variant loamy fine sand	Shue	90	115	149	172	190
Ta	Tetonka loamy fine sand, overblown	Tetonka	100	72	93	108	120
Tb	Tetonka silt loam	Tetonka	90	104	134	156	172
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Tetonka	35	104	134	156	172
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Davison	30	100	129	150	166
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Clarno	25	70	91	106	117
Td	Tetonka variant fine sandy loam	Tetonka	90	229	293	338	372
VaC	Valentine fine sand, 3 to 15 percent slopes	Valentine	85	287	366	423	465
Wa	Wann fine sandy loam	Wann	85	93	120	139	154
Wb	Wann-Lamo complex	Wann	50	117	151	175	193
Wb	Wann-Lamo complex	Lamo	40	77	100	117	129
WcB	Whitelake-Woonsocket fine sandy loams, 2 to 6 percent slopes	Whitelake	45	115	149	172	190
WcB	Whitelake-Woonsocket fine sandy loams, 2 to 6 percent slopes	Woonsocket	35	253	323	373	411
Wd	Woonsocket fine sandy loam	Woonsocket	85	253	323	373	411
We	Worthing silt loam	Worthing	95	89	115	134	148
Wk	Worthing silt loam, ponded	Worthing	95	93	120	139	154

South Dakota Lateral Effect Tables for Sanborn County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Alwilda fine sandy loam, 0 to 2 percent slopes	Alwilda	90	299	389	453	502
AaB	Alwilda fine sandy loam, 2 to 6 percent slopes	Alwilda	95	299	389	453	502
Ab	Artesian-Farmsworth complex	Artesian	55	70	96	115	130
Ab	Artesian-Farmsworth complex	Farmsworth	35	84	114	136	153
BaE	Betts loam, 15 to 40 percent slopes	Betts	85	55	76	92	105
BbD	Betts-Ethan loams, 9 to 15 percent slopes	Betts	45	55	76	92	105
BbD	Betts-Ethan loams, 9 to 15 percent slopes	Ethan	35	55	76	92	105
BcA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	197	258	303	337
BcB	Blendon fine sandy loam, 2 to 6 percent slopes	Blendon	90	197	258	303	337
Bd	Bon loam, channeled	Bon	98	91	124	148	166
CaA	Carthage fine sandy loam, 0 to 2 percent slopes	Carthage	85	90	121	145	163
CaB	Carthage fine sandy loam, 2 to 6 percent slopes	Carthage	90	90	121	145	163
CbA	Carthage-Clarno fine sandy loams, 0 to 2 percent slopes	Carthage	50	90	121	145	163
CbA	Carthage-Clarno fine sandy loams, 0 to 2 percent slopes	Clarno	35	50	70	86	98
CcB	Carthage-Hand fine sandy loams, 2 to 6 percent slopes	Carthage	50	90	121	145	163
CcB	Carthage-Hand fine sandy loams, 2 to 6 percent slopes	Hand	30	69	94	113	128
Cd	Clamo loam	Clamo	85	84	114	137	154
Ce	Clamo silty clay	Clamo	90	73	100	120	136
Cf	Clamo silty clay, frequently flooded	Clamo	100	74	101	121	137
CgA	Clarno loam, 0 to 2 percent slopes	Clarno	90	58	80	97	110
ChB	Clarno-Bonilla loams, 2 to 6 percent slopes	Clarno	45	58	80	97	110
ChB	Clarno-Bonilla loams, 2 to 6 percent slopes	Bonilla	30	87	118	141	159
CkB	Clarno-Dudley complex, 2 to 6 percent slopes	Clarno	45	58	80	97	110
CkB	Clarno-Dudley complex, 2 to 6 percent slopes	Dudley	25	68	93	112	127
CmB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	55	58	80	97	110
CmB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	30	55	76	92	105
CoA	Clarno-Prosper loams, 0 to 2 percent slopes	Clarno	50	58	80	97	110
CoA	Clarno-Prosper loams, 0 to 2 percent slopes	Prosper	30	63	87	106	120
DaB	Davis loam, 2 to 6 percent slopes	Davis	90	83	113	136	153
Db	Davison loam	Davison	85	83	113	135	153
Dc	Davison variant silt loam	Davison	85	192	252	296	329
DdA	Delmont loam, 0 to 2 percent slopes	Delmont	85	505	650	754	832
DeA	Doger loamy fine sand, 0 to 2 percent slopes	Doger	85	223	292	341	379
DeB	Doger loamy fine sand, 2 to 6 percent slopes	Doger	85	223	292	341	379
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Dudley	30	68	93	112	127
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Jerauld	30	59	82	99	113
DfA	Dudley-Jerauld-Clarno complex, 0 to 2 percent slopes	Clarno	20	58	80	97	110
Dh	Durrstein silt loam	Durrstein	85	47	66	81	92
Dk	Durrstein-Farmsworth complex	Durrstein	50	47	66	81	92
Dk	Durrstein-Farmsworth complex	Farmsworth	30	84	114	136	153
Ea	Elsmere loamy fine sand, loamy substratum	Elsmere	85	95	128	152	171
Eb	Elsmere-Orwet complex	Elsmere	55	95	128	152	171
Eb	Elsmere-Orwet complex	Orwet	25	263	343	400	444
EcA	Enet loam, 0 to 2 percent slopes	Enet	85	513	661	766	846
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	55	202	265	311	346
EdB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	30	505	650	754	832
EeC	Ethan-Clarno loams, 6 to 9 percent slopes	Ethan	45	55	76	92	105
EeC	Ethan-Clarno loams, 6 to 9 percent slopes	Clarno	35	58	80	97	110
Fa	Fedora fine sandy loam	Fedora	75	133	177	209	234
FbA	Forestburg loamy fine sand, 0 to 2 percent slopes	Forestburg	85	99	134	159	179
FcB	Forestburg-Ethan loamy fine sands, 2 to 6 percent slopes	Forestburg	60	99	134	159	179
FcB	Forestburg-Ethan loamy fine sands, 2 to 6 percent slopes	Ethan	20	52	73	88	101
FcC	Forestburg-Ethan loamy fine sands, 6 to 9 percent slopes	Forestburg	50	99	134	159	179
FcC	Forestburg-Ethan loamy fine sands, 6 to 9 percent slopes	Ethan	35	52	73	88	101
HaA	Hand-Bonilla loams, 0 to 2 percent slopes	Hand	45	87	118	141	159
HaA	Hand-Bonilla loams, 0 to 2 percent slopes	Bonilla	30	87	118	141	159
HbB	Hand-Ethan loams, 2 to 6 percent slopes	Hand	50	87	118	141	159
HbB	Hand-Ethan loams, 2 to 6 percent slopes	Ethan	25	55	76	92	105

South Dakota Lateral Effect Tables for Sanborn County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
HcB	Houdek-Dudley complex, 2 to 6 percent slopes	Houdek	45	58	81	98	111
HcB	Houdek-Dudley complex, 2 to 6 percent slopes	Dudley	25	68	93	112	127
HdB	Houdek-Ethan loams, 2 to 6 percent slopes	Houdek	55	58	81	98	111
HdB	Houdek-Ethan loams, 2 to 6 percent slopes	Ethan	25	55	76	92	105
HeA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	55	58	81	98	111
HeA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	25	63	87	106	120
HeB	Houdek-Prosper loams, 2 to 6 percent slopes	Houdek	50	58	81	98	111
HeB	Houdek-Prosper loams, 2 to 6 percent slopes	Prosper	25	66	91	109	124
HfA	Houdek-Stickney loams, 0 to 2 percent slopes	Houdek	50	58	81	98	111
HfA	Houdek-Stickney loams, 0 to 2 percent slopes	Stickney	25	56	78	95	108
Hk	Hoven silt loam	Hoven	90	73	100	121	136
HmA	Hoven-Durrstein silt loams, 0 to 2 percent slopes	Hoven	50	73	100	121	136
HmA	Hoven-Durrstein silt loams, 0 to 2 percent slopes	Durrstein	40	47	66	81	92
Ia	Ipage-Els loamy fine sands	Ipage	50	282	367	429	475
Ia	Ipage-Els loamy fine sands	Els	30	298	387	451	500
Ja	James silty clay	James	90	55	77	94	107
La	Lamo silty clay loam	Lamo	90	65	89	108	122
Lb	Lute fine sandy loam	Lute	85	120	161	190	213
Lc	Lute fine sandy loam, ponded	Lute	90	120	161	190	213
LdA	Lute-Whitelake fine sandy loams, 0 to 2 percent slopes	Lute	55	120	161	190	213
LdA	Lute-Whitelake fine sandy loams, 0 to 2 percent slopes	Whitelake	30	102	137	163	183
Oa	Orwet fine sandy loam	Orwet	85	263	343	400	444
Sa	Shue-Davison loamy fine sands	Shue	60	96	130	154	174
Sa	Shue-Davison loamy fine sands	Davison	20	60	83	101	115
Sb	Shue variant loamy fine sand	Shue	90	102	137	163	183
Ta	Tetonka loamy fine sand, overblown	Tetonka	100	59	82	99	113
Tb	Tetonka silt loam	Tetonka	90	91	123	146	165
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Tetonka	35	91	123	146	165
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Davison	30	87	118	141	159
TcA	Tetonka-Davison-Clarno complex, 0 to 2 percent slopes	Clarno	25	58	80	97	110
Td	Tetonka variant fine sandy loam	Tetonka	90	214	281	329	365
VaC	Valentine fine sand, 3 to 15 percent slopes	Valentine	85	272	354	413	458
Wa	Wann fine sandy loam	Wann	85	80	109	130	147
Wb	Wann-Lamo complex	Wann	50	104	140	166	186
Wb	Wann-Lamo complex	Lamo	40	65	89	108	122
WcB	Whitelake-Woonsocket fine sandy loams, 2 to 6 percent slopes	Whitelake	45	102	137	163	183
WcB	Whitelake-Woonsocket fine sandy loams, 2 to 6 percent slopes	Woonsocket	35	238	311	363	403
Wd	Woonsocket fine sandy loam	Woonsocket	85	238	311	363	403
We	Worthing silt loam	Worthing	95	76	104	125	141
Wk	Worthing silt loam, ponded	Worthing	95	80	109	130	147

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam, 0 to 2 percent slopes	Aastad	85	52	69	80	89
Ab	Aastad-Hamerly loams, 0 to 2 percent slopes	Aastad	50	52	69	80	89
Ab	Aastad-Hamerly loams, 0 to 2 percent slopes	Hamerly	35	72	93	109	120
Ad	Aastad-Tonka complex, 0 to 2 percent slopes	Aastad	60	52	69	80	89
Ad	Aastad-Tonka complex, 0 to 2 percent slopes	Tonka	30	89	115	134	148
Ae	Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	55	105	135	157	173
Ae	Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Nahon	35	86	112	130	143
Ah	Aberdeen-Nahon silty clay loams, 0 to 2 percent slopes	Aberdeen	55	125	160	186	205
Ah	Aberdeen-Nahon silty clay loams, 0 to 2 percent slopes	Nahon	35	86	112	130	143
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Aberdeen	45	135	173	201	221
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Nahon	25	86	112	130	143
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Heil	20	63	83	96	107
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	45	105	135	157	173
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Nahon	25	86	112	130	143
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Heil	20	66	85	99	110
BaC	Beadle loam, 6 to 9 percent slopes	Beadle	80	64	83	97	108
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	50	64	83	97	108
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	71	93	108	120
BeA	Beadle-Stickney complex, 0 to 2 percent slopes	Beadle	60	64	83	97	108
BeA	Beadle-Stickney complex, 0 to 2 percent slopes	Stickney	30	80	104	120	133
BeB	Beadle-Stickney complex, 1 to 6 percent slopes	Beadle	60	64	83	97	108
BeB	Beadle-Stickney complex, 1 to 6 percent slopes	Stickney	30	80	104	120	133
BfA	Beadle-Stickney complex, 0 to 2 percent slopes, very stony	Beadle	60	64	83	97	108
BfA	Beadle-Stickney complex, 0 to 2 percent slopes, very stony	Stickney	30	80	104	120	133
BfB	Beadle-Stickney complex, 1 to 6 percent slopes, very stony	Beadle	60	64	83	97	108
BfB	Beadle-Stickney complex, 1 to 6 percent slopes, very stony	Stickney	30	80	104	120	133
Bg	Bearden silt loam, 0 to 2 percent slopes	Bearden	85	104	134	156	172
Bk	Bearden-Tonka silt loams, 0 to 2 percent slopes	Bearden	60	104	134	156	172
Bk	Bearden-Tonka silt loams, 0 to 2 percent slopes	Tonka	30	89	115	134	148
Bo	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	138	178	206	227
Br	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	138	178	206	227
Br	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	35	145	186	216	238
Bs	Beotia-Winship silt loams, 0 to 2 percent slopes	Beotia	60	138	178	206	227
Bs	Beotia-Winship silt loams, 0 to 2 percent slopes	Winship	30	145	187	216	238
Bt	Beotia-Winship silt loams, till substratum, 0 to 2 percent slopes	Beotia	60	112	144	167	185
Bt	Beotia-Winship silt loams, till substratum, 0 to 2 percent slopes	Winship	30	118	151	176	194
Bu	Bon loam, 0 to 2 percent slopes	Bon	90	117	151	175	193
Bw	Bon loam, channeled	Bon	85	117	151	175	193
BxD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	55	50	66	77	85
BxD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	35	74	95	111	123
ByE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	50	65	76	84
ByE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	35	70	91	106	117
BzE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	50	66	77	85
BzE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	40	51	67	79	87
Ca	Camtown-Turton loams, 0 to 2 percent slopes	Camtown	55	170	218	253	278
Ca	Camtown-Turton loams, 0 to 2 percent slopes	Turton	30	164	211	244	269
Cf	Cavour-Ferney loams, 0 to 2 percent slopes	Cavour	55	75	97	113	125
Cf	Cavour-Ferney loams, 0 to 2 percent slopes	Ferney	35	61	79	93	102
Co	Colvin silty clay loam, saline, 0 to 1 percent slopes	Colvin	85	93	120	140	154
Cr	Cresbard-Cavour loams, 0 to 2 percent slopes	Cresbard	60	85	110	128	141
Cr	Cresbard-Cavour loams, 0 to 2 percent slopes	Cavour	30	75	97	113	125

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Cresbard	40	85	110	128	141
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Cavour	30	75	97	113	125
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Heil	20	63	83	96	107
Ct	Crossplain-Tetonka complex, 0 to 1 percent slopes	Crossplain	60	72	94	109	121
Ct	Crossplain-Tetonka complex, 0 to 1 percent slopes	Tetonka	30	107	137	159	176
Da	Davis-Northville complex, 0 to 2 percent slopes	Davis	55	107	138	160	177
Da	Davis-Northville complex, 0 to 2 percent slopes	Northville	35	111	143	166	183
Db	Davison loam, 0 to 2 percent slopes	Davison	85	101	130	151	167
Dd	Davison-Tetonka complex, 0 to 2 percent slopes	Davison	50	101	130	151	167
Dd	Davison-Tetonka complex, 0 to 2 percent slopes	Tetonka	40	107	137	159	176
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	55	218	279	322	355
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	35	235	301	348	383
Dk	Dimo loam, 0 to 2 percent slopes	Dimo	85	196	251	290	320
Dm	Dimo-Grat loams, 0 to 2 percent slopes	Dimo	55	196	251	290	320
Dm	Dimo-Grat loams, 0 to 2 percent slopes	Grat	30	141	182	210	232
DoA	Doland-Embden complex, 0 to 3 percent slopes	Doland	50	63	83	96	107
DoA	Doland-Embden complex, 0 to 3 percent slopes	Embden	30	177	226	262	288
Dq	Dovecreek silt loam, 0 to 2 percent slopes	Dovecreek	90	119	154	178	196
Dr	Dovray silty clay, 0 to 1 percent slopes	Dovray	90	83	107	125	138
Du	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Dudley	55	71	93	108	120
Du	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	35	85	111	128	142
Dx	Durrstein silt loam, 0 to 1 percent slopes	Durrstein	85	70	91	106	118
Ea	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	85	120	155	179	198
EcA	Eckman-Gardena very fine sandy loams, 0 to 2 percent slopes	Eckman	50	120	155	179	198
EcA	Eckman-Gardena very fine sandy loams, 0 to 2 percent slopes	Gardena	40	122	156	181	200
EcB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	60	120	155	179	198
EcB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	30	122	156	181	200
EdB	Eckman-Zell very fine sandy loams, 2 to 6 percent slopes	Eckman	60	120	155	179	198
EdB	Eckman-Zell very fine sandy loams, 2 to 6 percent slopes	Zell	30	151	193	224	247
EeB	Edgeley loam, 2 to 6 percent slopes	Edgeley	85	30	barrier	barrier	barrier
EeC	Edgeley loam, 6 to 9 percent slopes	Edgeley	85	30	barrier	barrier	barrier
EeD	Edgeley loam, 9 to 20 percent slopes	Edgeley	85	30	barrier	barrier	barrier
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	219	280	324	357
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	177	226	262	288
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	50	219	280	324	357
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	35	177	226	262	288
Ek	Elsmere loamy sand, 0 to 2 percent slopes	Elsmere	85	101	131	152	168
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	60	78	91	101
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	40	73	95	111	123
EnD	Ethan-Hand loams, 9 to 20 percent slopes	Ethan	55	60	78	91	101
EnD	Ethan-Hand loams, 9 to 20 percent slopes	Hand	35	109	141	163	180
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Exline	50	90	117	136	150
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Aberdeen	25	135	173	201	221
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Nahon	20	86	112	130	143
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Exline	50	72	94	109	121
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	25	105	135	157	173
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Nahon	20	86	112	130	143
Ew	Exline-Heil silt loams, 0 to 2 percent slopes	Exline	50	90	117	136	150
Ew	Exline-Heil silt loams, 0 to 2 percent slopes	Heil	40	63	83	96	107
Ex	Exline-Heil silt loams, till substratum, 0 to 2 percent slopes	Exline	50	72	94	109	121
Ex	Exline-Heil silt loams, till substratum, 0 to 2 percent slopes	Heil	40	66	85	99	110
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	90	117	136	150
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	40	177	227	263	289
Fa	Farmsworth-Durrstein silt loams, 0 to 2 percent slopes	Farmsworth	50	99	128	149	164

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Fa	Farmsworth-Durrstein silt loams, 0 to 2 percent slopes	Durrstein	35	70	91	106	118
Fe	Ferney-Heil complex, 0 to 2 percent slopes	Ferney	50	61	79	93	102
Fe	Ferney-Heil complex, 0 to 2 percent slopes	Heil	40	63	83	96	107
Ff	Forestburg-Elsmere loamy sands, 0 to 2 percent slopes	Forestburg	60	125	160	186	205
Ff	Forestburg-Elsmere loamy sands, 0 to 2 percent slopes	Elsmere	30	101	131	152	168
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Forestburg	45	125	160	186	205
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Elsmere	25	101	131	152	168
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Toko	20	106	137	159	176
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	50	81	106	123	136
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	52	69	80	89
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	81	106	123	136
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	30	52	69	80	89
FnC	Forman-Buse loams, 6 to 9 percent slopes	Forman	55	81	106	123	136
FnC	Forman-Buse loams, 6 to 9 percent slopes	Buse	35	50	66	77	85
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	50	81	106	123	136
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	25	50	66	77	85
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	20	52	69	80	89
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	45	81	106	123	136
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	30	50	66	77	85
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	52	69	80	89
FsA	Forman-Cresbard loams, 0 to 2 percent slopes	Forman	55	81	106	123	136
FsA	Forman-Cresbard loams, 0 to 2 percent slopes	Cresbard	30	85	110	128	141
FsB	Forman-Cresbard loams, 2 to 6 percent slopes	Forman	60	81	106	123	136
FsB	Forman-Cresbard loams, 2 to 6 percent slopes	Cresbard	30	85	110	128	141
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Forman	45	81	106	123	136
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Cresbard	25	85	110	128	141
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Tonka	20	89	115	134	148
Ga	Gardena very fine sandy loam, 0 to 2 percent slopes	Gardena	90	122	156	181	200
Gd	Gardena-Glyndon silt loams, 0 to 2 percent slopes	Gardena	55	184	236	273	301
Gd	Gardena-Glyndon silt loams, 0 to 2 percent slopes	Glyndon	35	140	180	208	230
Ge	Gardena-Turton very fine sandy loams, 0 to 2 percent slopes	Gardena	50	122	156	181	200
Ge	Gardena-Turton very fine sandy loams, 0 to 2 percent slopes	Turton	35	120	155	179	198
GgA	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	154	197	228	252
GnA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	50	154	197	228	252
GnA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	40	138	178	206	227
GnB	Great Bend-Beotia silt loams, 1 to 6 percent slopes	Great Bend	60	154	197	228	252
GnB	Great Bend-Beotia silt loams, 1 to 6 percent slopes	Beotia	30	138	178	206	227
GoA	Great Bend-Beotia silt loams, till substratum, 0 to 2 percent slopes	Great Bend	50	117	150	174	192
GoA	Great Bend-Beotia silt loams, till substratum, 0 to 2 percent slopes	Beotia	40	112	144	167	185
GpA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	154	197	228	252
GpA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	35	177	227	263	289
GpB	Great Bend-Putney silt loams, 2 to 4 percent slopes	Great Bend	50	154	197	228	252
GpB	Great Bend-Putney silt loams, 2 to 4 percent slopes	Putney	35	177	227	263	289
GtB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	60	154	197	228	252
GtB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	30	197	252	291	321
GtC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Great Bend	50	154	197	228	252
GtC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Zell	40	197	252	291	321
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	45	154	197	228	252
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	25	197	252	291	321
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	180	230	266	293
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	85	72	93	109	120
Hb	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	50	72	93	109	120
Hb	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	40	89	115	134	148
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	50	109	141	163	180
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	40	109	140	163	180
HcB	Hand-Bonilla loams, 1 to 6 percent slopes	Hand	60	109	141	163	180
HcB	Hand-Bonilla loams, 1 to 6 percent slopes	Bonilla	30	109	140	163	180
HdA	Hand-Carthage fine sandy loams, 0 to 3 percent slopes	Hand	50	90	116	135	149
HdA	Hand-Carthage fine sandy loams, 0 to 3 percent slopes	Carthage	40	83	107	124	138

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Hand	45	90	116	135	149
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Carthage	25	83	107	124	138
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Overshue	20	76	98	114	126
HfC	Hand-Ethan loams, 6 to 9 percent slopes	Hand	55	109	141	163	180
HfC	Hand-Ethan loams, 6 to 9 percent slopes	Ethan	35	60	78	91	101
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Hand	50	109	141	163	180
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	60	78	91	101
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	109	140	163	180
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Hand	45	109	141	163	180
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	60	78	91	101
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	109	140	163	180
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Hand	50	90	116	135	149
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Ethan	25	60	78	91	101
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Carthage	20	83	107	124	138
HjB	Hand-Talmo complex, 2 to 6 percent slopes	Hand	45	109	141	163	180
HjB	Hand-Talmo complex, 2 to 6 percent slopes	Talmo	35	202	258	299	329
HjC	Hand-Talmo complex, 6 to 9 percent slopes	Hand	45	109	141	163	180
HjC	Hand-Talmo complex, 6 to 9 percent slopes	Talmo	35	202	258	299	329
Hk	Harmony-Aberdeen silt loams, till substratum, 0 to 2 percent slopes	Harmony	55	89	116	134	148
Hk	Harmony-Aberdeen silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	35	105	135	157	173
Hm	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Harmony	55	113	145	168	186
Hm	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	35	125	160	186	205
Hn	Harmony-Beotia silt loams, 0 to 2 percent slopes	Harmony	55	125	161	187	206
Hn	Harmony-Beotia silt loams, 0 to 2 percent slopes	Beotia	35	138	178	206	227
Ho	Harmony-Beotia silt loams, till substratum, 0 to 2 percent slopes	Harmony	55	89	116	134	148
Ho	Harmony-Beotia silt loams, till substratum, 0 to 2 percent slopes	Beotia	35	112	144	167	185
Hp	Harriet loam, 0 to 1 percent slopes	Harriet	90	76	98	115	127
Hr	Heil silt loam, 0 to 1 percent slopes	Heil	90	63	83	96	107
HsA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Henkin	55	127	163	189	208
HsA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	35	202	259	299	330
HsB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	60	127	163	189	208
HsB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	30	202	259	299	330
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Houdek	50	75	97	113	124
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	25	60	78	91	101
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	20	81	105	122	135
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	45	75	97	113	124
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	60	78	91	101
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	20	81	105	122	135
HuA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	50	75	97	113	124
HuA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	40	81	105	122	135
HuB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	60	75	97	113	124
HuB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	30	81	105	122	135
HwA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	55	75	97	113	124
HwA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	35	80	104	120	133
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Houdek	45	75	97	113	124
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	25	80	104	120	133
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	107	137	159	176
Hy	Hoven silt loam, 0 to 1 percent slopes	Hoven	90	82	106	123	136
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Ipage	45	263	336	388	427
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Els	25	251	321	371	408
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Shue	20	122	158	183	202

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Jh	Jerauld-Hoven silt loams, 0 to 2 percent slopes	Jerauld	50	85	111	128	142
Jh	Jerauld-Hoven silt loams, 0 to 2 percent slopes	Hoven	40	82	106	123	136
KaA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	50	85	110	128	141
KaA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	40	98	127	148	163
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	40	85	110	128	141
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	30	98	127	148	163
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	25	50	66	77	85
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Kranzburg	55	85	110	128	141
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Cresbard	30	98	127	147	163
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Kranzburg	45	85	110	128	141
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Cresbard	25	98	127	147	163
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Tonka	20	89	115	134	148
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Kranzburg	40	85	110	128	141
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Zell	30	197	252	291	321
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Aastad	20	52	69	80	89
La	La Prairie loam, 0 to 2 percent slopes	La Prairie	85	85	111	129	142
Lc	La Prairie-Holmquist loams, channeled	La Prairie	50	85	111	129	142
Lc	La Prairie-Holmquist loams, channeled	Holmquist	40	155	198	230	253
Ld	LaDelle silt loam, 0 to 2 percent slopes	LaDelle	90	121	156	181	200
Le	LaDelle silt loam, channeled	LaDelle	85	121	156	181	200
Lk	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	90	90	116	135	149
Lm	Lamoure silty clay loam, 0 to 1 percent slopes	Lamoure	85	115	149	172	190
Ln	Lawet loam, 0 to 2 percent slopes	Lawet	85	89	115	133	147
Lo	Lawet loam, wet, 0 to 1 percent slopes	Lawet	90	89	115	133	147
Lp	Lawet-Davison loams, 0 to 2 percent slopes	Lawet	60	89	115	133	147
Lp	Lawet-Davison loams, 0 to 2 percent slopes	Davison	30	101	130	151	167
LrA	Lehr-Bowdle loams, 0 to 3 percent slopes	Lehr	55	230	294	340	374
LrA	Lehr-Bowdle loams, 0 to 3 percent slopes	Bowdle	35	214	274	316	348
LrB	Lehr-Bowdle loams, 3 to 6 percent slopes	Lehr	60	230	294	340	374
LrB	Lehr-Bowdle loams, 3 to 6 percent slopes	Bowdle	30	214	274	316	348
Ls	Lowe loam, 0 to 1 percent slopes	Lowe	85	95	123	143	157
Lt	Ludden silty clay, 0 to 1 percent slopes	Ludden	85	75	98	114	126
Lu	Ludden silty clay, ponded	Ludden	90	75	98	114	126
Lw	Ludden silty clay, wet, 0 to 1 percent slopes	Ludden	85	75	98	114	126
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	50	372	474	547	602
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	35	219	280	324	357
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Max	50	89	115	134	148
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Arnegard	40	104	134	155	171
MdB	Max-Arnegard loams, 1 to 6 percent slopes	Max	60	89	115	134	148
MdB	Max-Arnegard loams, 1 to 6 percent slopes	Arnegard	30	104	134	155	171
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Max	45	89	115	134	148
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Arnegard	30	104	134	155	171
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Zahl	20	78	101	118	130
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Max	40	89	115	134	148
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Niobell	30	94	121	141	155
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Noonan	20	83	108	125	138
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Max	45	89	115	134	148
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Zahl	30	78	101	118	130
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Arnegard	20	104	134	155	171
My	Miranda-Heil complex, 0 to 2 percent slopes	Miranda	50	61	79	92	102
My	Miranda-Heil complex, 0 to 2 percent slopes	Heil	40	63	83	96	107
Mz	Moritz-Lowe loams, 0 to 2 percent slopes	Moritz	55	108	139	162	178
Mz	Moritz-Lowe loams, 0 to 2 percent slopes	Lowe	35	95	123	143	157
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Nahon	45	86	112	130	143
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Aberdeen	30	135	173	201	221
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Exline	20	90	117	136	150

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Nahon	45	86	112	130	143
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	30	105	135	157	173
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Exline	20	72	94	109	121
Nc	Niobell-Noonan loams, 0 to 2 percent slopes	Niobell	60	94	121	141	155
Nc	Niobell-Noonan loams, 0 to 2 percent slopes	Noonan	30	83	108	125	138
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Niobell	40	94	121	141	155
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Noonan	30	83	108	125	138
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Heil	20	63	83	96	107
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Niobell	40	94	121	141	155
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Noonan	30	83	108	125	138
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Max	20	89	115	134	148
Nm	Noonan-Miranda loams, 0 to 2 percent slopes	Noonan	55	83	108	125	138
Nm	Noonan-Miranda loams, 0 to 2 percent slopes	Miranda	35	61	79	92	102
Nr	Northville-Farmsworth silt loams, 0 to 2 percent slopes	Northville	60	111	143	166	183
Nr	Northville-Farmsworth silt loams, 0 to 2 percent slopes	Farmsworth	30	99	128	149	164
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Northville	40	111	143	166	183
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Farmsworth	30	99	128	149	164
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Hoven	20	82	106	123	136
Ov	Overshue fine sandy loam, 0 to 1 percent slopes	Overshue	90	76	98	114	126
Pa	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	90	103	132	154	170
Pc	Parshall loams, 0 to 3 percent slopes	Parshall	85	288	368	425	468
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	53	69	80	89
PgB	Peever-Buse clay loams, 1 to 4 percent slopes	Peever	60	53	69	80	89
PgB	Peever-Buse clay loams, 1 to 4 percent slopes	Buse	30	47	61	72	79
PoA	Peever-Cavour complex, 0 to 2 percent slopes	Peever	60	53	69	80	89
PoA	Peever-Cavour complex, 0 to 2 percent slopes	Cavour	30	75	97	113	125
Pr	Playmoor silty clay loam, 0 to 1 percent slopes	Playmoor	85	119	154	178	197
Py	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	119	154	178	197
Py	Playmoor-Lamoure silty clay loams, channeled	Lamoure	40	115	149	172	190
Ra	Ranslo silty clay loam, 0 to 1 percent slopes	Ranslo	85	107	138	160	177
Re	Ranslo-Harriet loams, 0 to 2 percent slopes	Ranslo	50	111	143	166	183
Re	Ranslo-Harriet loams, 0 to 2 percent slopes	Harriet	40	76	98	115	127
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	280	358	414	455
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	495	631	728	800
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	280	358	414	455
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	495	631	728	800
So	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	78	101	118	130
St	Stickney-Dudley silt loams, 0 to 2 percent slopes	Stickney	60	80	104	120	133
St	Stickney-Dudley silt loams, 0 to 2 percent slopes	Dudley	30	71	93	108	120
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Stickney	40	80	104	120	133
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Dudley	30	71	93	108	120
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Hoven	20	82	106	123	136
Sw	Straw loam, channeled	Straw	85	109	140	163	179
Sx	Straw loam, 0 to 2 percent slopes	Straw	90	109	140	163	179
TbE	Talmo-Ethan complex, 9 to 40 percent slopes, very stony	Talmo	45	202	258	299	329
TbE	Talmo-Ethan complex, 9 to 40 percent slopes, very stony	Ethan	35	60	78	91	101
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	107	137	159	176
Tk	Toko fine sandy loam, 0 to 1 percent slopes	Toko	90	106	137	159	176
Tm	Toko fine sandy loam, wet, 0 to 1 percent slopes	Toko	90	106	137	159	176
Tn	Tonka silt loam, 0 to 1 percent slopes	Tonka	90	89	115	134	148
To	Tonka-Rimlap silt loams, 0 to 1 percent slopes	Tonka	60	89	115	134	148
To	Tonka-Rimlap silt loams, 0 to 1 percent slopes	Rimlap	30	91	117	136	150
Va	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	57	74	87	96
Va	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	72	93	109	120
VgA	Vang loam, 0 to 2 percent slopes	Vang	85	398	508	585	644
WaA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	50	72	93	109	120
WaA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	40	85	109	127	141

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WaB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	72	93	109	120
WaB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	30	85	109	127	141
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	45	72	93	109	120
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	25	85	109	127	141
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	20	89	115	134	148
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Williams	50	72	93	109	120
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Bowbells	25	85	109	127	141
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Tonka	20	89	115	134	148
WcA	Williams-Niobell loams, 0 to 3 percent slopes	Williams	55	72	93	109	120
WcA	Williams-Niobell loams, 0 to 3 percent slopes	Niobell	30	94	121	141	155
WcB	Williams-Niobell loams, 3 to 6 percent slopes	Williams	60	72	93	109	120
WcB	Williams-Niobell loams, 3 to 6 percent slopes	Niobell	30	94	121	141	155
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Williams	45	72	93	109	120
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Niobell	25	94	121	141	155
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Tonka	20	89	115	134	148
WhD	Williams-Vida loams, 6 to 15 percent slopes	Williams	50	72	93	109	120
WhD	Williams-Vida loams, 6 to 15 percent slopes	Vida	40	57	74	86	96
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Williams	50	72	93	109	120
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Zahl	25	78	101	118	130
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	85	109	127	141
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Williams	45	72	93	109	120
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Zahl	30	78	101	118	130
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Bowbells	20	85	109	127	141
Wn	Winship-Tonka silt loams, 0 to 1 percent slopes	Winship	60	145	187	216	238
Wn	Winship-Tonka silt loams, 0 to 1 percent slopes	Tonka	30	89	115	134	148
Wo	Winship-Tonka silt loams, till substratum, 0 to 1 percent slopes	Winship	60	118	151	176	194
Wo	Winship-Tonka silt loams, till substratum, 0 to 1 percent slopes	Tonka	30	89	115	134	148
Ws	Woonsocket-Whitelake fine sandy loams, 0 to 2 percent slopes	Woonsocket	50	117	151	175	194
Ws	Woonsocket-Whitelake fine sandy loams, 0 to 2 percent slopes	Whitelake	35	128	164	191	210
Wt	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	72	94	109	121
Ww	Worthing silty clay loam, ponded	Worthing	90	72	94	109	121
ZaE	Zahill loam, 15 to 40 percent slopes	Zahill	85	63	82	96	107
ZbC	Zahl-Max loams, 6 to 9 percent slopes	Zahl	50	78	101	118	130
ZbC	Zahl-Max loams, 6 to 9 percent slopes	Max	40	89	115	134	148
ZbD	Zahl-Max loams, 9 to 20 percent slopes	Zahl	55	78	101	118	130
ZbD	Zahl-Max loams, 9 to 20 percent slopes	Max	35	89	115	134	148
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Zell	55	197	252	291	321
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Great Bend	35	154	197	228	252

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
Aa	Aastad loam, 0 to 2 percent slopes	Aastad	85	41	59	72	82
Ab	Aastad-Hamerly loams, 0 to 2 percent slopes	Aastad	50	41	59	72	82
Ab	Aastad-Hamerly loams, 0 to 2 percent slopes	Hamerly	35	60	83	100	113
Ad	Aastad-Tonka complex, 0 to 2 percent slopes	Aastad	60	41	59	72	82
Ad	Aastad-Tonka complex, 0 to 2 percent slopes	Tonka	30	76	104	125	141
Ae	Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	55	91	124	147	166
Ae	Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Nahon	35	73	100	121	136
Ah	Aberdeen-Nahon silty clay loams, 0 to 2 percent slopes	Aberdeen	55	111	149	177	198
Ah	Aberdeen-Nahon silty clay loams, 0 to 2 percent slopes	Nahon	35	73	100	121	136
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Aberdeen	45	121	161	191	214
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Nahon	25	73	100	121	136
An	Aberdeen-Nahon-Heil silt loams, 0 to 2 percent slopes	Heil	20	52	72	88	100
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	45	91	124	147	166
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Nahon	25	73	100	121	136
Ao	Aberdeen-Nahon-Heil silt loams, till substratum, 0 to 2 percent slopes	Heil	20	54	75	91	103
BaC	Beadle loam, 6 to 9 percent slopes	Beadle	80	52	73	89	101
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Beadle	50	52	73	89	101
BdA	Beadle-Dudley complex, 0 to 2 percent slopes	Dudley	35	59	82	99	113
BeA	Beadle-Stickney complex, 0 to 2 percent slopes	Beadle	60	52	73	89	101
BeA	Beadle-Stickney complex, 0 to 2 percent slopes	Stickney	30	67	93	112	126
BeB	Beadle-Stickney complex, 1 to 6 percent slopes	Beadle	60	52	73	89	101
BeB	Beadle-Stickney complex, 1 to 6 percent slopes	Stickney	30	67	93	112	126
BfA	Beadle-Stickney complex, 0 to 2 percent slopes, very stony	Beadle	60	52	73	89	101
BfA	Beadle-Stickney complex, 0 to 2 percent slopes, very stony	Stickney	30	67	93	112	126
BfB	Beadle-Stickney complex, 1 to 6 percent slopes, very stony	Beadle	60	52	73	89	101
BfB	Beadle-Stickney complex, 1 to 6 percent slopes, very stony	Stickney	30	67	93	112	126
Bg	Bearden silt loam, 0 to 2 percent slopes	Bearden	85	91	123	147	165
Bk	Bearden-Tonka silt loams, 0 to 2 percent slopes	Bearden	60	91	123	147	165
Bk	Bearden-Tonka silt loams, 0 to 2 percent slopes	Tonka	30	76	104	125	141
Bo	Beotia silt loam, 0 to 2 percent slopes	Beotia	90	124	166	196	220
Br	Beotia-Rondell silt loams, 0 to 3 percent slopes	Beotia	50	124	166	196	220
Br	Beotia-Rondell silt loams, 0 to 3 percent slopes	Rondell	35	131	175	206	231
Bs	Beotia-Winship silt loams, 0 to 2 percent slopes	Beotia	60	124	166	196	220
Bs	Beotia-Winship silt loams, 0 to 2 percent slopes	Winship	30	131	175	207	231
Bt	Beotia-Winship silt loams, till substratum, 0 to 2 percent slopes	Beotia	60	99	133	158	178
Bt	Beotia-Winship silt loams, till substratum, 0 to 2 percent slopes	Winship	30	104	140	166	187
Bu	Bon loam, 0 to 2 percent slopes	Bon	90	104	140	166	186
Bw	Bon loam, channeled	Bon	85	104	140	166	186
BxD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	55	39	56	68	79
BxD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	35	61	85	102	116
ByE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	39	55	68	78
ByE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	35	58	80	97	110
BzE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	39	56	68	79
BzE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	40	40	57	70	81
Ca	Camtown-Turton loams, 0 to 2 percent slopes	Camtown	55	156	206	243	271
Ca	Camtown-Turton loams, 0 to 2 percent slopes	Turton	30	150	199	234	262
Cf	Cavour-Ferney loams, 0 to 2 percent slopes	Cavour	55	62	86	104	118
Cf	Cavour-Ferney loams, 0 to 2 percent slopes	Ferney	35	49	69	84	96
Co	Colvin silty clay loam, saline, 0 to 1 percent slopes	Colvin	85	80	109	130	147
Cr	Cresbard-Cavour loams, 0 to 2 percent slopes	Cresbard	60	72	99	119	134
Cr	Cresbard-Cavour loams, 0 to 2 percent slopes	Cavour	30	62	86	104	118

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Cresbard	40	72	99	119	134
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Cavour	30	62	86	104	118
Cs	Cresbard-Cavour-Heil complex, 0 to 2 percent slopes	Heil	20	52	72	88	100
Ct	Crossplain-Tetonka complex, 0 to 1 percent slopes	Crossplain	60	60	83	100	114
Ct	Crossplain-Tetonka complex, 0 to 1 percent slopes	Tetonka	30	93	126	150	169
Da	Davis-Northville complex, 0 to 2 percent slopes	Davis	55	94	127	151	170
Da	Davis-Northville complex, 0 to 2 percent slopes	Northville	35	98	132	157	176
Db	Davison loam, 0 to 2 percent slopes	Davison	85	88	119	142	160
Dd	Davison-Tetonka complex, 0 to 2 percent slopes	Davison	50	88	119	142	160
Dd	Davison-Tetonka complex, 0 to 2 percent slopes	Tetonka	40	93	126	150	169
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	55	203	267	312	347
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	35	221	289	338	376
Dk	Dimo loam, 0 to 2 percent slopes	Dimo	85	181	239	281	312
Dm	Dimo-Grat loams, 0 to 2 percent slopes	Dimo	55	181	239	281	312
Dm	Dimo-Grat loams, 0 to 2 percent slopes	Grat	30	128	170	201	225
DoA	Doland-Embden complex, 0 to 3 percent slopes	Doland	50	52	72	88	100
DoA	Doland-Embden complex, 0 to 3 percent slopes	Embden	30	162	214	252	281
Dq	Dovecreek silt loam, 0 to 2 percent slopes	Dovecreek	90	106	142	169	189
Dr	Dovray silty clay, 0 to 1 percent slopes	Dovray	90	70	96	116	131
Du	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Dudley	55	59	82	99	113
Du	Dudley-Jerauld silt loams, 0 to 2 percent slopes	Jerauld	35	73	99	120	135
Dx	Durrstein silt loam, 0 to 1 percent slopes	Durrstein	85	58	81	98	111
Ea	Eckman very fine sandy loam, 0 to 2 percent slopes	Eckman	85	106	143	170	191
EcA	Eckman-Gardena very fine sandy loams, 0 to 2 percent slopes	Eckman	50	106	143	170	191
EcA	Eckman-Gardena very fine sandy loams, 0 to 2 percent slopes	Gardena	40	108	145	172	193
EcB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Eckman	60	106	143	170	191
EcB	Eckman-Gardena very fine sandy loams, 2 to 6 percent slopes	Gardena	30	108	145	172	193
EdB	Eckman-Zell very fine sandy loams, 2 to 6 percent slopes	Eckman	60	106	143	170	191
EdB	Eckman-Zell very fine sandy loams, 2 to 6 percent slopes	Zell	30	137	182	214	240
EeB	Edgeley loam, 2 to 6 percent slopes	Edgeley	85	29	barrier	barrier	barrier
EeC	Edgeley loam, 6 to 9 percent slopes	Edgeley	85	29	barrier	barrier	barrier
EeD	Edgeley loam, 9 to 20 percent slopes	Edgeley	85	29	barrier	barrier	barrier
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	204	268	314	349
EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	162	214	252	281
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	50	204	268	314	349
EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	35	162	214	252	281
Ek	Elsmere loamy sand, 0 to 2 percent slopes	Elsmere	85	88	120	143	161
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	48	68	83	95
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	40	61	84	102	116
EnD	Ethan-Hand loams, 9 to 20 percent slopes	Ethan	55	48	68	83	95
EnD	Ethan-Hand loams, 9 to 20 percent slopes	Hand	35	96	129	154	173
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Exline	50	78	106	127	143
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Aberdeen	25	121	161	191	214
Er	Exline-Aberdeen-Nahon silt loams, 0 to 2 percent slopes	Nahon	20	73	100	121	136
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Exline	50	60	83	101	114
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	25	91	124	147	166
Et	Exline-Aberdeen-Nahon silt loams, till substratum, 0 to 2 percent slopes	Nahon	20	73	100	121	136
Ew	Exline-Heil silt loams, 0 to 2 percent slopes	Exline	50	78	106	127	143
Ew	Exline-Heil silt loams, 0 to 2 percent slopes	Heil	40	52	72	88	100
Ex	Exline-Heil silt loams, till substratum, 0 to 2 percent slopes	Exline	50	60	83	101	114
Ex	Exline-Heil silt loams, till substratum, 0 to 2 percent slopes	Heil	40	54	75	91	103
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Exline	45	78	106	127	143
EyA	Exline-Putney silt loams, 1 to 4 percent slopes	Putney	40	163	215	253	282
Fa	Farmsworth-Durrstein silt loams, 0 to 2 percent slopes	Farmsworth	50	86	117	140	157

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
Fa	Farmsworth-Durrstein silt loams, 0 to 2 percent slopes	Durrstein	35	58	81	98	111
Fe	Ferney-Heil complex, 0 to 2 percent slopes	Ferney	50	49	69	84	96
Fe	Ferney-Heil complex, 0 to 2 percent slopes	Heil	40	52	72	88	100
Ff	Forestburg-Elsmere loamy sands, 0 to 2 percent slopes	Forestburg	60	111	149	176	198
Ff	Forestburg-Elsmere loamy sands, 0 to 2 percent slopes	Elsmere	30	88	120	143	161
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Forestburg	45	111	149	176	198
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Elsmere	25	88	120	143	161
Fh	Forestburg-Elsmere-Toko complex, 0 to 2 percent slopes	Toko	20	93	126	150	169
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	50	69	95	114	129
FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	41	59	72	82
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	69	95	114	129
FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	30	41	59	72	82
FnC	Forman-Buse loams, 6 to 9 percent slopes	Forman	55	69	95	114	129
FnC	Forman-Buse loams, 6 to 9 percent slopes	Buse	35	39	56	68	79
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	50	69	95	114	129
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	25	39	56	68	79
FrB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	20	41	59	72	82
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	45	69	95	114	129
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	30	39	56	68	79
FrC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	41	59	72	82
FsA	Forman-Cresbard loams, 0 to 2 percent slopes	Forman	55	69	95	114	129
FsA	Forman-Cresbard loams, 0 to 2 percent slopes	Cresbard	30	72	99	119	134
FsB	Forman-Cresbard loams, 2 to 6 percent slopes	Forman	60	69	95	114	129
FsB	Forman-Cresbard loams, 2 to 6 percent slopes	Cresbard	30	72	99	119	134
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Forman	45	69	95	114	129
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Cresbard	25	72	99	119	134
FtA	Forman-Cresbard-Tonka complex, 0 to 2 percent slopes	Tonka	20	76	104	125	141
Ga	Gardena very fine sandy loam, 0 to 2 percent slopes	Gardena	90	108	145	172	193
Gd	Gardena-Glyndon silt loams, 0 to 2 percent slopes	Gardena	55	170	224	264	294
Gd	Gardena-Glyndon silt loams, 0 to 2 percent slopes	Glyndon	35	126	168	199	223
Ge	Gardena-Turton very fine sandy loams, 0 to 2 percent slopes	Gardena	50	108	145	172	193
Ge	Gardena-Turton very fine sandy loams, 0 to 2 percent slopes	Turton	35	107	143	170	191
GgA	Great Bend silt loam, 0 to 2 percent slopes	Great Bend	90	140	185	219	244
GnA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	50	140	185	219	244
GnA	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	40	124	166	196	220
GnB	Great Bend-Beotia silt loams, 1 to 6 percent slopes	Great Bend	60	140	185	219	244
GnB	Great Bend-Beotia silt loams, 1 to 6 percent slopes	Beotia	30	124	166	196	220
GoA	Great Bend-Beotia silt loams, till substratum, 0 to 2 percent slopes	Great Bend	50	103	139	165	185
GoA	Great Bend-Beotia silt loams, till substratum, 0 to 2 percent slopes	Beotia	40	99	133	158	178
GpA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Great Bend	50	140	185	219	244
GpA	Great Bend-Putney silt loams, 0 to 2 percent slopes	Putney	35	163	215	253	282
GpB	Great Bend-Putney silt loams, 2 to 4 percent slopes	Great Bend	50	140	185	219	244
GpB	Great Bend-Putney silt loams, 2 to 4 percent slopes	Putney	35	163	215	253	282
GtB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	60	140	185	219	244
GtB	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	30	182	240	282	314
GtC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Great Bend	50	140	185	219	244
GtC	Great Bend-Zell silt loams, 4 to 9 percent slopes	Zell	40	182	240	282	314
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Great Bend	45	140	185	219	244
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Zell	25	182	240	282	314
GzC	Great Bend-Zell-Huffton silt loams, 4 to 9 percent slopes	Huffton	20	165	218	257	286
HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	85	60	83	100	113
Hb	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	50	60	83	100	113
Hb	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	40	76	104	125	141
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Hand	50	96	129	154	173
HcA	Hand-Bonilla loams, 0 to 3 percent slopes	Bonilla	40	96	129	154	173
HcB	Hand-Bonilla loams, 1 to 6 percent slopes	Hand	60	96	129	154	173
HcB	Hand-Bonilla loams, 1 to 6 percent slopes	Bonilla	30	96	129	154	173
HdA	Hand-Carthage fine sandy loams, 0 to 3 percent slopes	Hand	50	77	105	126	142
HdA	Hand-Carthage fine sandy loams, 0 to 3 percent slopes	Carthage	40	70	96	116	131

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Hand	45	77	105	126	142
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Carthage	25	70	96	116	131
He	Hand-Carthage-Overshue fine sandy loams, 0 to 3 percent slopes	Overshue	20	63	87	105	120
HfC	Hand-Ethan loams, 6 to 9 percent slopes	Hand	55	96	129	154	173
HfC	Hand-Ethan loams, 6 to 9 percent slopes	Ethan	35	48	68	83	95
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Hand	50	96	129	154	173
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Ethan	25	48	68	83	95
HgB	Hand-Ethan-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	96	129	154	173
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Hand	45	96	129	154	173
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Ethan	30	48	68	83	95
HgC	Hand-Ethan-Bonilla loams, 2 to 9 percent slopes	Bonilla	20	96	129	154	173
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Hand	50	77	105	126	142
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Ethan	25	48	68	83	95
HhB	Hand-Ethan-Carthage complex, 1 to 6 percent slopes	Carthage	20	70	96	116	131
HjB	Hand-Talmo complex, 2 to 6 percent slopes	Hand	45	96	129	154	173
HjB	Hand-Talmo complex, 2 to 6 percent slopes	Talmo	35	187	246	289	322
HjC	Hand-Talmo complex, 6 to 9 percent slopes	Hand	45	96	129	154	173
HjC	Hand-Talmo complex, 6 to 9 percent slopes	Talmo	35	187	246	289	322
Hk	Harmony-Aberdeen silt loams, till substratum, 0 to 2 percent slopes	Harmony	55	76	104	125	142
Hk	Harmony-Aberdeen silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	35	91	124	147	166
Hm	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Harmony	55	99	134	159	179
Hm	Harmony-Aberdeen silty clay loams, 0 to 2 percent slopes	Aberdeen	35	111	149	177	198
Hn	Harmony-Beotia silt loams, 0 to 2 percent slopes	Harmony	55	112	150	177	199
Hn	Harmony-Beotia silt loams, 0 to 2 percent slopes	Beotia	35	124	166	196	220
Ho	Harmony-Beotia silt loams, till substratum, 0 to 2 percent slopes	Harmony	55	76	104	125	142
Ho	Harmony-Beotia silt loams, till substratum, 0 to 2 percent slopes	Beotia	35	99	133	158	178
Hp	Harriet loam, 0 to 1 percent slopes	Harriet	90	64	88	106	120
Hr	Heil silt loam, 0 to 1 percent slopes	Heil	90	52	72	88	100
HsA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Henkin	55	113	151	180	201
HsA	Henkin-Blendon fine sandy loams, 0 to 2 percent slopes	Blendon	35	188	247	290	322
HsB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Henkin	60	113	151	180	201
HsB	Henkin-Blendon fine sandy loams, 2 to 6 percent slopes	Blendon	30	188	247	290	322
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Houdek	50	62	86	104	118
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Ethan	25	48	68	83	95
HtB	Houdek-Ethan-Prosper loams, 1 to 6 percent slopes	Prosper	20	69	94	113	128
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Houdek	45	62	86	104	118
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Ethan	30	48	68	83	95
HtC	Houdek-Ethan-Prosper loams, 2 to 9 percent slopes	Prosper	20	69	94	113	128
HuA	Houdek-Prosper loams, 0 to 2 percent slopes	Houdek	50	62	86	104	118
HuA	Houdek-Prosper loams, 0 to 2 percent slopes	Prosper	40	69	94	113	128
HuB	Houdek-Prosper loams, 1 to 6 percent slopes	Houdek	60	62	86	104	118
HuB	Houdek-Prosper loams, 1 to 6 percent slopes	Prosper	30	69	94	113	128
HwA	Houdek-Stickney complex, 0 to 2 percent slopes	Houdek	55	62	86	104	118
HwA	Houdek-Stickney complex, 0 to 2 percent slopes	Stickney	35	67	93	112	126
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Houdek	45	62	86	104	118
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Stickney	25	67	93	112	126
HxA	Houdek-Stickney-Tetonka complex, 0 to 2 percent slopes	Tetonka	20	93	126	150	169
Hy	Hoven silt loam, 0 to 1 percent slopes	Hoven	90	69	95	114	129
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Ipage	45	248	324	379	420
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Els	25	236	309	361	401
Ie	Ipage-Els-Shue complex, 0 to 6 percent slopes	Shue	20	109	146	173	195

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Jh	Jerauld-Hoven silt loams, 0 to 2 percent slopes	Jerauld	50	73	99	120	135
Jh	Jerauld-Hoven silt loams, 0 to 2 percent slopes	Hoven	40	69	95	114	129
KaA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Kranzburg	50	72	99	119	134
KaA	Kranzburg-Brookings silt loams, 0 to 2 percent slopes	Brookings	40	85	116	138	156
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Kranzburg	40	72	99	119	134
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Brookings	30	85	116	138	156
KbB	Kranzburg-Brookings-Buse complex, 1 to 6 percent slopes	Buse	25	39	56	68	79
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Kranzburg	55	72	99	119	134
KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Cresbard	30	85	116	138	156
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Kranzburg	45	72	99	119	134
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Cresbard	25	85	116	138	156
KtA	Kranzburg-Cresbard-Tonka silt loams, 0 to 2 percent slopes	Tonka	20	76	104	125	141
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Kranzburg	40	72	99	119	134
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Zell	30	182	240	282	314
KzB	Kranzburg-Zell-Aastad complex, 1 to 6 percent slopes	Aastad	20	41	59	72	82
La	La Prairie loam, 0 to 2 percent slopes	La Prairie	85	73	100	120	135
Lc	La Prairie-Holmquist loams, channeled	La Prairie	50	73	100	120	135
Lc	La Prairie-Holmquist loams, channeled	Holmquist	40	140	187	220	246
Ld	LaDelle silt loam, 0 to 2 percent slopes	LaDelle	90	108	145	172	193
Le	LaDelle silt loam, channeled	LaDelle	85	108	145	172	193
Lk	Lamo silty clay loam, 0 to 1 percent slopes	Lamo	90	77	105	126	142
Lm	Lamoure silty clay loam, 0 to 1 percent slopes	Lamoure	85	102	137	163	183
Ln	Lawet loam, 0 to 2 percent slopes	Lawet	85	76	104	124	140
Lo	Lawet loam, wet, 0 to 1 percent slopes	Lawet	90	76	104	124	140
Lp	Lawet-Davison loams, 0 to 2 percent slopes	Lawet	60	76	104	124	140
Lp	Lawet-Davison loams, 0 to 2 percent slopes	Davison	30	88	119	142	160
LrA	Lehr-Bowdle loams, 0 to 3 percent slopes	Lehr	55	215	282	330	367
LrA	Lehr-Bowdle loams, 0 to 3 percent slopes	Bowdle	35	199	261	307	341
LrB	Lehr-Bowdle loams, 3 to 6 percent slopes	Lehr	60	215	282	330	367
LrB	Lehr-Bowdle loams, 3 to 6 percent slopes	Bowdle	30	199	261	307	341
Ls	Lowe loam, 0 to 1 percent slopes	Lowe	85	82	112	134	151
Lt	Ludden silty clay, 0 to 1 percent slopes	Ludden	85	63	87	105	119
Lu	Ludden silty clay, ponded	Ludden	90	63	87	105	119
Lw	Ludden silty clay, wet, 0 to 1 percent slopes	Ludden	85	63	87	105	119
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	50	356	462	537	594
MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	35	204	268	314	349
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Max	50	76	104	125	141
MdA	Max-Arnegard loams, 0 to 3 percent slopes	Arnegard	40	90	122	146	164
MdB	Max-Arnegard loams, 1 to 6 percent slopes	Max	60	76	104	125	141
MdB	Max-Arnegard loams, 1 to 6 percent slopes	Arnegard	30	90	122	146	164
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Max	45	76	104	125	141
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Arnegard	30	90	122	146	164
MgB	Max-Arnegard-Zahl loams, 1 to 6 percent slopes	Zahl	20	65	90	109	123
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Max	40	76	104	125	141
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Niobell	30	81	110	132	149
MnB	Max-Niobell-Noonan loams, 2 to 6 percent slopes	Noonan	20	70	97	116	132
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Max	45	76	104	125	141
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Zahl	30	65	90	109	123
MxC	Max-Zahl-Arnegard loams, 2 to 9 percent slopes	Arnegard	20	90	122	146	164
My	Miranda-Heil complex, 0 to 2 percent slopes	Miranda	50	49	69	84	96
My	Miranda-Heil complex, 0 to 2 percent slopes	Heil	40	52	72	88	100
Mz	Moritz-Lowe loams, 0 to 2 percent slopes	Moritz	55	95	128	153	172
Mz	Moritz-Lowe loams, 0 to 2 percent slopes	Lowe	35	82	112	134	151
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Nahon	45	73	100	121	136
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Aberdeen	30	121	161	191	214
Na	Nahon-Aberdeen-Exline silt loams, 0 to 2 percent slopes	Exline	20	78	106	127	143

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert 2 ft.	3 ft.	4 ft.	5 ft.
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Nahon	45	73	100	121	136
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Aberdeen	30	91	124	147	166
Nb	Nahon-Aberdeen-Exline silt loams, till substratum, 0 to 2 percent slopes	Exline	20	60	83	101	114
Nc	Niobell-Noonan loams, 0 to 2 percent slopes	Niobell	60	81	110	132	149
Nc	Niobell-Noonan loams, 0 to 2 percent slopes	Noonan	30	70	97	116	132
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Niobell	40	81	110	132	149
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Noonan	30	70	97	116	132
Nd	Niobell-Noonan-Heil complex, 0 to 2 percent slopes	Heil	20	52	72	88	100
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Niobell	40	81	110	132	149
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Noonan	30	70	97	116	132
NeA	Niobell-Noonan-Max loams, 0 to 3 percent slopes	Max	20	76	104	125	141
Nm	Noonan-Miranda loams, 0 to 2 percent slopes	Noonan	55	70	97	116	132
Nm	Noonan-Miranda loams, 0 to 2 percent slopes	Miranda	35	49	69	84	96
Nr	Northville-Farmsworth silt loams, 0 to 2 percent slopes	Northville	60	98	132	157	176
Nr	Northville-Farmsworth silt loams, 0 to 2 percent slopes	Farmsworth	30	86	117	140	157
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Northville	40	98	132	157	176
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Farmsworth	30	86	117	140	157
Nv	Northville-Farmsworth-Hoven silt loams, 0 to 2 percent slopes	Hoven	20	69	95	114	129
Ov	Overshue fine sandy loam, 0 to 1 percent slopes	Overshue	90	63	87	105	120
Pa	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	90	89	121	145	163
Pc	Parshall loams, 0 to 3 percent slopes	Parshall	85	273	356	416	461
PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	41	59	72	83
PgB	Peever-Buse clay loams, 1 to 4 percent slopes	Peever	60	41	59	72	83
PgB	Peever-Buse clay loams, 1 to 4 percent slopes	Buse	30	36	51	63	73
PoA	Peever-Cavour complex, 0 to 2 percent slopes	Peever	60	41	59	72	83
PoA	Peever-Cavour complex, 0 to 2 percent slopes	Cavour	30	62	86	104	118
Pr	Playmoor silty clay loam, 0 to 1 percent slopes	Playmoor	85	106	142	169	190
Py	Playmoor-Lamoure silty clay loams, channeled	Playmoor	50	106	142	169	190
Py	Playmoor-Lamoure silty clay loams, channeled	Lamoure	40	102	137	163	183
Ra	Ranslo silty clay loam, 0 to 1 percent slopes	Ranslo	85	94	127	151	170
Re	Ranslo-Harriet loams, 0 to 2 percent slopes	Ranslo	50	98	132	157	176
Re	Ranslo-Harriet loams, 0 to 2 percent slopes	Harriet	40	64	88	106	120
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	266	346	404	448
RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	480	619	718	793
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	266	346	404	448
RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	480	619	718	793
So	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	66	90	109	124
St	Stickney-Dudley silt loams, 0 to 2 percent slopes	Stickney	60	67	93	112	126
St	Stickney-Dudley silt loams, 0 to 2 percent slopes	Dudley	30	59	82	99	113
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Stickney	40	67	93	112	126
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Dudley	30	59	82	99	113
Su	Stickney-Dudley-Hoven silt loams, 0 to 2 percent slopes	Hoven	20	69	95	114	129
Sw	Straw loam, channeled	Straw	85	95	129	153	172
Sx	Straw loam, 0 to 2 percent slopes	Straw	90	95	129	153	172
TbE	Talmo-Ethan complex, 9 to 40 percent slopes, very stony	Talmo	45	187	246	289	322
TbE	Talmo-Ethan complex, 9 to 40 percent slopes, very stony	Ethan	35	48	68	83	95
Te	Tetonka silt loam, 0 to 1 percent slopes	Tetonka	90	93	126	150	169
Tk	Toko fine sandy loam, 0 to 1 percent slopes	Toko	90	93	126	150	169
Tm	Toko fine sandy loam, wet, 0 to 1 percent slopes	Toko	90	93	126	150	169
Tn	Tonka silt loam, 0 to 1 percent slopes	Tonka	90	76	104	125	141
To	Tonka-Rimlap silt loams, 0 to 1 percent slopes	Tonka	60	76	104	125	141
To	Tonka-Rimlap silt loams, 0 to 1 percent slopes	Rimlap	30	78	106	127	143
Va	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	46	64	79	90
Va	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	60	83	100	113
VgA	Vang loam, 0 to 2 percent slopes	Vang	85	383	495	576	637
WaA	Williams-Bowbells loams, 0 to 3 percent slopes	Williams	50	60	82	100	113
WaA	Williams-Bowbells loams, 0 to 3 percent slopes	Bowbells	40	72	98	118	134

South Dakota Lateral Effect Tables for Spink County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
WaB	Williams-Bowbells loams, 1 to 6 percent slopes	Williams	60	60	82	100	113
WaB	Williams-Bowbells loams, 1 to 6 percent slopes	Bowbells	30	72	98	118	134
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Williams	45	60	82	100	113
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Bowbells	25	72	98	118	134
WbA	Williams-Bowbells-Tonka complex, 0 to 3 percent slopes	Tonka	20	76	104	125	141
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Williams	50	60	82	100	113
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Bowbells	25	72	98	118	134
WbB	Williams-Bowbells-Tonka complex, 0 to 6 percent slopes	Tonka	20	76	104	125	141
WcA	Williams-Niobell loams, 0 to 3 percent slopes	Williams	55	60	82	100	113
WcA	Williams-Niobell loams, 0 to 3 percent slopes	Niobell	30	81	110	132	149
WcB	Williams-Niobell loams, 3 to 6 percent slopes	Williams	60	60	82	100	113
WcB	Williams-Niobell loams, 3 to 6 percent slopes	Niobell	30	81	110	132	149
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Williams	45	60	82	100	113
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Niobell	25	81	110	132	149
WdA	Williams-Niobell-Tonka complex, 0 to 3 percent slopes	Tonka	20	76	104	125	141
WhD	Williams-Vida loams, 6 to 15 percent slopes	Williams	50	60	82	100	113
WhD	Williams-Vida loams, 6 to 15 percent slopes	Vida	40	45	64	78	89
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Williams	50	60	82	100	113
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Zahl	25	65	90	109	123
WmB	Williams-Zahl-Bowbells loams, 1 to 6 percent slopes	Bowbells	20	72	98	118	134
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Williams	45	60	82	100	113
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Zahl	30	65	90	109	123
WmC	Williams-Zahl-Bowbells loams, 2 to 9 percent slopes	Bowbells	20	72	98	118	134
Wn	Winship-Tonka silt loams, 0 to 1 percent slopes	Winship	60	131	175	207	231
Wn	Winship-Tonka silt loams, 0 to 1 percent slopes	Tonka	30	76	104	125	141
Wo	Winship-Tonka silt loams, till substratum, 0 to 1 percent slopes	Winship	60	104	140	166	187
Wo	Winship-Tonka silt loams, till substratum, 0 to 1 percent slopes	Tonka	30	76	104	125	141
Ws	Woonsocket-Whitelake fine sandy loams, 0 to 2 percent slopes	Woonsocket	50	104	140	166	187
Ws	Woonsocket-Whitelake fine sandy loams, 0 to 2 percent slopes	Whitelake	35	114	153	181	203
Wt	Worthing silty clay loam, 0 to 1 percent slopes	Worthing	90	60	83	100	114
Ww	Worthing silty clay loam, ponded	Worthing	90	60	83	100	114
ZaE	Zahill loam, 15 to 40 percent slopes	Zahill	85	52	72	88	100
ZbC	Zahl-Max loams, 6 to 9 percent slopes	Zahl	50	65	90	109	123
ZbC	Zahl-Max loams, 6 to 9 percent slopes	Max	40	76	104	125	141
ZbD	Zahl-Max loams, 9 to 20 percent slopes	Zahl	55	65	90	109	123
ZbD	Zahl-Max loams, 9 to 20 percent slopes	Max	35	76	104	125	141
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Zell	55	182	240	282	314
ZgD	Zell-Great Bend silt loams, 6 to 25 percent slopes	Great Bend	35	140	185	219	244

South Dakota Lateral Effect Tables for Sully County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 2 percent slopes	Agar	90	135	174	201	222
AaB	Agar silt loam, 2 to 5 percent slopes	Agar	90	135	174	201	222
AaC	Agar silt loam, 5 to 9 percent slopes	Agar	90	135	174	201	222
AdA	Agar-DeGrey silt loams, 0 to 2 percent slopes	Agar	50	135	174	201	222
AdA	Agar-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	35	83	107	125	138
AeA	Agar-Eakin silt loams, 0 to 2 percent slopes	Agar	60	135	174	201	222
AeA	Agar-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	95	122	142	157
AeB	Agar-Eakin silt loams, 2 to 5 percent slopes	Agar	60	135	174	201	222
AeB	Agar-Eakin silt loams, 2 to 5 percent slopes	Eakin	35	95	122	142	157
AeC	Agar-Eakin silt loams, 5 to 9 percent slopes	Agar	55	135	174	201	222
AeC	Agar-Eakin silt loams, 5 to 9 percent slopes	Eakin	40	95	122	142	157
AgA	Agar-Onita silt loams, 0 to 1 percent slopes	Agar	55	135	174	201	222
AgA	Agar-Onita silt loams, 0 to 1 percent slopes	Onita	43	117	151	175	193
AkA	Agar-Walke silt loams, 0 to 2 percent slopes	Agar	50	135	174	201	222
AkA	Agar-Walke silt loams, 0 to 2 percent slopes	Walke	30	98	126	146	162
AlA	Akaska silt loam, 0 to 2 percent slopes	Akaska	90	524	668	770	847
AlB	Akaska silt loam, 2 to 5 percent slopes	Akaska	90	524	668	770	847
BeE	Betts loam, 6 to 25 percent slopes	Betts	80	76	98	114	126
Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Wendte	65	88	114	132	146
Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Herdcamp	25	92	119	139	153
Ds	Dupree-Rock outcrop complex	Rockoutcrop	30	71	92	107	118
Du	Durrstein and Egas soils	Durrstein	45	73	95	111	123
Du	Durrstein and Egas soils	Egas	45	80	103	120	133
Eg	Egas silty clay	Egas	90	80	103	120	133
Ep	Elpam silt loam	Elpam	95	111	143	166	183
GeE	Gettys clay loam, 6 to 25 percent slopes	Gettys	80	51	67	79	87
GlA	Glenham loam, 0 to 3 percent slopes	Glenham	85	57	74	87	96
GlB	Glenham loam, 3 to 6 percent slopes	Glenham	85	57	74	87	96
GlC	Glenham loam, 6 to 9 percent slopes	Glenham	90	57	74	87	96
Gp	Gravel pits	Orthents	99	586	746	860	945
HcA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	114	146	170	187
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	60	114	146	170	187
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	30	83	107	125	138
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	55	114	146	170	187
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	30	95	122	142	157
HeB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Highmore	45	114	146	170	187
HeB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	95	122	142	157
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	45	114	146	170	187
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	35	98	126	146	162
Ho	Hoven silt loam	Hoven	90	93	120	140	154
JbD	Java-Betts loams, 6 to 15 percent slopes	Java	55	78	101	117	130
JbD	Java-Betts loams, 6 to 15 percent slopes	Betts	30	76	98	114	126
JcD	Java-Betts stony complex, 3 to 12 percent slopes	Java	50	78	101	117	130
JcD	Java-Betts stony complex, 3 to 12 percent slopes	Betts	35	76	98	114	126
JgC	Java-Glenham loams, 3 to 9 percent slopes	Java	55	78	101	117	130
JgC	Java-Glenham loams, 3 to 9 percent slopes	Glenham	40	57	74	87	96
JkA	Jerauld-Demky loams, 0 to 1 percent slopes	Jerauld	55	67	87	102	112
JkA	Jerauld-Demky loams, 0 to 1 percent slopes	Demky	30	65	84	98	109
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	184	235	272	300
LoB	Lowry silt loam, 2 to 5 percent slopes	Lowry	90	184	235	272	300
LoC	Lowry silt loam, 5 to 9 percent slopes	Lowry	90	184	235	272	300
LoD	Lowry silt loam, 9 to 12 percent slopes	Lowry	90	184	235	272	300
Ma	Macken silty clay loam	Macken	80	97	125	145	161
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	90	514	654	755	830
OaB	Oahe loam, 2 to 6 percent slopes	Oahe	90	514	654	755	830
OhA	Oahe-Talmo loams, 0 to 2 percent slopes	Oahe	65	514	654	755	830
OhA	Oahe-Talmo loams, 0 to 2 percent slopes	Talmo	25	527	672	775	852
OhB	Oahe-Talmo loams, 2 to 6 percent slopes	Oahe	60	514	654	755	830
OhB	Oahe-Talmo loams, 2 to 6 percent slopes	Talmo	35	527	672	775	852
OkA	Oko clay loam, 0 to 3 percent slopes	Oko	85	52	69	80	89
OkB	Oko clay loam, 3 to 6 percent slopes	Oko	90	52	69	80	89
OkC	Oko clay loam, 6 to 9 percent slopes	Oko	90	52	69	80	89

South Dakota Lateral Effect Tables for Sully County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert 2 ft.	3 ft.	4 ft.	5 ft.
OlE	Oko stony clay loam, 6 to 25 percent slopes	Oko	85	52	69	80	89
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	117	151	175	193
OnB	Onita silt loam, 2 to 5 percent slopes	Onita	90	117	151	175	193
OrA	Onita-DeGrey silt loams, 0 to 2 percent slopes	Onita	60	117	151	175	193
OrA	Onita-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	35	83	107	125	138
OsA	Onita-Hoven silt loams, 0 to 1 percent slopes	Onita	50	117	151	175	193
OsA	Onita-Hoven silt loams, 0 to 1 percent slopes	Hoven	40	93	120	140	154
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	90	97	126	146	161
PrB	Promise silty clay, 2 to 5 percent slopes	Promise	90	97	126	146	161
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	45	55	72	84	93
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	78	101	117	130
RcB	Raber-Cavo loams, 2 to 5 percent slopes	Raber	50	55	72	84	93
RcB	Raber-Cavo loams, 2 to 5 percent slopes	Cavo	35	78	101	117	130
RdA	Raber-Demky loams, 0 to 2 percent slopes	Raber	60	55	72	84	93
RdA	Raber-Demky loams, 0 to 2 percent slopes	Demky	35	65	84	98	109
RdB	Raber-Demky loams, 2 to 5 percent slopes	Raber	65	55	72	84	93
RdB	Raber-Demky loams, 2 to 5 percent slopes	Demky	25	65	84	98	109
RgB	Raber and Glenham loams, 3 to 6 percent slopes	Glenham	40	57	74	87	96
RgB	Raber and Glenham loams, 3 to 6 percent slopes	Raber	40	30	72	84	93
RgC	Raber and Glenham loams, 6 to 9 percent slopes	Glenham	42	30	74	87	96
RgC	Raber and Glenham loams, 6 to 9 percent slopes	Raber	42	30	72	84	93
RhA	Raber-Highmore silt loams, 0 to 3 percent slopes	Raber	60	55	72	84	93
RhA	Raber-Highmore silt loams, 0 to 3 percent slopes	Highmore	35	114	146	170	187
RhC	Raber-Highmore silt loams, 5 to 9 percent slopes	Raber	50	55	72	84	93
RhC	Raber-Highmore silt loams, 5 to 9 percent slopes	Eakin	30	95	122	142	157
RpB	Raber-Peno loams, 3 to 6 percent slopes	Raber	55	55	72	84	93
RpB	Raber-Peno loams, 3 to 6 percent slopes	Peno	35	50	66	77	85
RpC	Raber-Peno loams, 6 to 9 percent slopes	Raber	50	55	72	84	93
RpC	Raber-Peno loams, 6 to 9 percent slopes	Peno	40	50	66	77	85
RrA	Ree loam, 0 to 2 percent slopes	Ree	90	90	116	135	150
RrB	Ree loam, 2 to 5 percent slopes	Ree	90	90	116	135	150
Rt	Ree and Durrstein soils	Durrstein	37	73	95	111	123
Rt	Ree and Durrstein soils	Ree	37	90	116	135	150
Ru	Betts-Gettys complex, stony	Betts	45	76	98	114	126
Ru	Betts-Gettys complex, stony	Gettys	40	51	67	79	87
Sa	Egas-Slickspots complex	Egas	55	80	103	120	133
Sa	Egas-Slickspots complex	Slickspots	25	96	124	144	159
St	Rock outcrop-Dupree complex	Rockoutcrop	65	71	92	107	118
SuE	Sully silt loam, 12 to 25 percent slopes	Sully	80	149	191	221	243
SwD	Sully-Lowry silt loams, 3 to 12 percent slopes	Sully	60	149	191	221	243
SwD	Sully-Lowry silt loams, 3 to 12 percent slopes	Lowry	25	184	235	272	300
TaE	Talmo gravelly loam, 9 to 25 percent slopes	Talmo	75	840	1070	1232	1354
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
DoF	Dupree-Opal clays, 6 to 34 percent slopes	Dupree	60	barrier	barrier	barrier	barrier
DoF	Dupree-Opal clays, 6 to 34 percent slopes	Opal	25	barrier	barrier	barrier	barrier
Ds	Dupree-Rock outcrop complex	Dupree	60	barrier	barrier	barrier	barrier
HuA	Hurley silt loam, 0 to 5 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
OtB	Opal clay, 2 to 6 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OtC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OuD	Opal-Dupree clays, 6 to 21 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OuD	Opal-Dupree clays, 6 to 21 percent slopes	Dupree	35	barrier	barrier	barrier	barrier
St	Rock outcrop-Dupree complex	Dupree	20	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Sully County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaA	Agar silt loam, 0 to 2 percent slopes	Agar	90	121	162	192	215
AaB	Agar silt loam, 2 to 5 percent slopes	Agar	90	121	162	192	215
AaC	Agar silt loam, 5 to 9 percent slopes	Agar	90	121	162	192	215
AdA	Agar-DeGrey silt loams, 0 to 2 percent slopes	Agar	50	121	162	192	215
AdA	Agar-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	35	70	96	116	131
AeA	Agar-Eakin silt loams, 0 to 2 percent slopes	Agar	60	121	162	192	215
AeA	Agar-Eakin silt loams, 0 to 2 percent slopes	Eakin	25	82	111	133	150
AeB	Agar-Eakin silt loams, 2 to 5 percent slopes	Agar	60	121	162	192	215
AeB	Agar-Eakin silt loams, 2 to 5 percent slopes	Eakin	35	82	111	133	150
AeC	Agar-Eakin silt loams, 5 to 9 percent slopes	Agar	55	121	162	192	215
AeC	Agar-Eakin silt loams, 5 to 9 percent slopes	Eakin	40	82	111	133	150
AgA	Agar-Onita silt loams, 0 to 1 percent slopes	Agar	55	121	162	192	215
AgA	Agar-Onita silt loams, 0 to 1 percent slopes	Onita	43	104	139	166	186
AkA	Agar-Walke silt loams, 0 to 2 percent slopes	Agar	50	121	162	192	215
AkA	Agar-Walke silt loams, 0 to 2 percent slopes	Walke	30	84	115	137	155
AlA	Akaska silt loam, 0 to 2 percent slopes	Akaska	90	509	655	760	839
AlB	Akaska silt loam, 2 to 5 percent slopes	Akaska	90	509	655	760	839
BeE	Betts loam, 6 to 25 percent slopes	Betts	80	63	87	105	119
Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Wendte	65	75	103	123	139
Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Herdcamp	25	79	108	130	146
Ds	Dupree-Rock outcrop complex	Rockoutcrop	30	59	81	98	112
Du	Durrstein and Egas soils	Durrstein	45	61	84	102	116
Du	Durrstein and Egas soils	Egas	45	67	92	111	126
Eg	Egas silty clay	Egas	90	67	92	111	126
Ep	Elpam silt loam	Elpam	95	97	132	157	176
GeE	Gettys clay loam, 6 to 25 percent slopes	Gettys	80	40	57	70	81
GlA	Glenham loam, 0 to 3 percent slopes	Glenham	85	45	64	78	89
GlB	Glenham loam, 3 to 6 percent slopes	Glenham	85	45	64	78	89
GlC	Glenham loam, 6 to 9 percent slopes	Glenham	90	45	64	78	89
Gp	Gravel pits	Orthents	99	570	733	850	938
HcA	Highmore silt loam, 0 to 2 percent slopes	Highmore	90	100	135	161	180
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	Highmore	60	100	135	161	180
HdA	Highmore-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	30	70	96	116	131
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	55	100	135	161	180
HeA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	30	82	111	133	150
HeB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Highmore	45	100	135	161	180
HeB	Highmore-Eakin silt loams, 2 to 5 percent slopes	Eakin	40	82	111	133	150
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Highmore	45	100	135	161	180
HmA	Highmore-Walke silt loams, 0 to 2 percent slopes	Walke	35	84	115	137	155
Ho	Hoven silt loam	Hoven	90	80	109	131	147
JbD	Java-Betts loams, 6 to 15 percent slopes	Java	55	65	90	108	123
JbD	Java-Betts loams, 6 to 15 percent slopes	Betts	30	63	87	105	119
JcD	Java-Betts stony complex, 3 to 12 percent slopes	Java	50	65	90	108	123
JcD	Java-Betts stony complex, 3 to 12 percent slopes	Betts	35	63	87	105	119
JgC	Java-Glenham loams, 3 to 9 percent slopes	Java	55	65	90	108	123
JgC	Java-Glenham loams, 3 to 9 percent slopes	Glenham	40	45	64	78	89
JkA	Jerauld-Demky loams, 0 to 1 percent slopes	Jerauld	55	55	77	93	106
JkA	Jerauld-Demky loams, 0 to 1 percent slopes	Demky	30	53	74	90	102
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	169	223	262	292
LoB	Lowry silt loam, 2 to 5 percent slopes	Lowry	90	169	223	262	292
LoC	Lowry silt loam, 5 to 9 percent slopes	Lowry	90	169	223	262	292
LoD	Lowry silt loam, 9 to 12 percent slopes	Lowry	90	169	223	262	292
Ma	Macken silty clay loam	Macken	80	84	114	136	154
OaA	Oahe loam, 0 to 2 percent slopes	Oahe	90	498	642	745	822
OaB	Oahe loam, 2 to 6 percent slopes	Oahe	90	498	642	745	822
OhA	Oahe-Talmo loams, 0 to 2 percent slopes	Oahe	65	498	642	745	822
OhA	Oahe-Talmo loams, 0 to 2 percent slopes	Talmo	25	512	660	765	845
OhB	Oahe-Talmo loams, 2 to 6 percent slopes	Oahe	60	498	642	745	822
OhB	Oahe-Talmo loams, 2 to 6 percent slopes	Talmo	35	512	660	765	845
OkA	Oko clay loam, 0 to 3 percent slopes	Oko	85	41	59	72	82
OkB	Oko clay loam, 3 to 6 percent slopes	Oko	90	41	59	72	82
OkC	Oko clay loam, 6 to 9 percent slopes	Oko	90	41	59	72	82

South Dakota Lateral Effect Tables for Sully County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
OlE	Oko stony clay loam, 6 to 25 percent slopes	Oko	85	41	59	72	82
OnA	Onita silt loam, 0 to 2 percent slopes	Onita	90	104	139	166	186
OnB	Onita silt loam, 2 to 5 percent slopes	Onita	90	104	139	166	186
OrA	Onita-DeGrey silt loams, 0 to 2 percent slopes	Onita	60	104	139	166	186
OrA	Onita-DeGrey silt loams, 0 to 2 percent slopes	DeGrey	35	70	96	116	131
OsA	Onita-Hoven silt loams, 0 to 1 percent slopes	Onita	50	104	139	166	186
OsA	Onita-Hoven silt loams, 0 to 1 percent slopes	Hoven	40	80	109	131	147
PrA	Promise silty clay, 0 to 2 percent slopes	Promise	90	84	115	137	154
PrB	Promise silty clay, 2 to 5 percent slopes	Promise	90	84	115	137	154
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Raber	45	44	62	76	87
RcA	Raber-Cavo loams, 0 to 2 percent slopes	Cavo	40	65	90	108	123
RcB	Raber-Cavo loams, 2 to 5 percent slopes	Raber	50	44	62	76	87
RcB	Raber-Cavo loams, 2 to 5 percent slopes	Cavo	35	65	90	108	123
RdA	Raber-Demky loams, 0 to 2 percent slopes	Raber	60	44	62	76	87
RdA	Raber-Demky loams, 0 to 2 percent slopes	Demky	35	53	74	90	102
RdB	Raber-Demky loams, 2 to 5 percent slopes	Raber	65	44	62	76	87
RdB	Raber-Demky loams, 2 to 5 percent slopes	Demky	25	53	74	90	102
RgB	Raber and Glenham loams, 3 to 6 percent slopes	Glenham	40	45	64	78	89
RgB	Raber and Glenham loams, 3 to 6 percent slopes	Raber	40	29	62	76	87
RgC	Raber and Glenham loams, 6 to 9 percent slopes	Glenham	42	29	64	78	89
RgC	Raber and Glenham loams, 6 to 9 percent slopes	Raber	42	29	62	76	87
RhA	Raber-Highmore silt loams, 0 to 3 percent slopes	Raber	60	44	62	76	87
RhA	Raber-Highmore silt loams, 0 to 3 percent slopes	Highmore	35	100	135	161	180
RhC	Raber-Highmore silt loams, 5 to 9 percent slopes	Raber	50	44	62	76	87
RhC	Raber-Highmore silt loams, 5 to 9 percent slopes	Eakin	30	82	111	133	150
RpB	Raber-Peno loams, 3 to 6 percent slopes	Raber	55	44	62	76	87
RpB	Raber-Peno loams, 3 to 6 percent slopes	Peno	35	39	56	69	79
RpC	Raber-Peno loams, 6 to 9 percent slopes	Raber	50	44	62	76	87
RpC	Raber-Peno loams, 6 to 9 percent slopes	Peno	40	39	56	69	79
RrA	Ree loam, 0 to 2 percent slopes	Ree	90	77	105	126	143
RrB	Ree loam, 2 to 5 percent slopes	Ree	90	77	105	126	143
Rt	Ree and Durrstein soils	Durrstein	37	61	84	102	116
Rt	Ree and Durrstein soils	Ree	37	77	105	126	143
Ru	Betts-Gettys complex, stony	Betts	45	63	87	105	119
Ru	Betts-Gettys complex, stony	Gettys	40	40	57	70	81
Sa	Egas-Slickspots complex	Egas	55	67	92	111	126
Sa	Egas-Slickspots complex	Slickspots	25	83	113	135	152
St	Rock outcrop-Dupree complex	Rockoutcrop	65	59	81	98	112
SuE	Sully silt loam, 12 to 25 percent slopes	Sully	80	134	179	211	236
SwD	Sully-Lowry silt loams, 3 to 12 percent slopes	Sully	60	134	179	211	236
SwD	Sully-Lowry silt loams, 3 to 12 percent slopes	Lowry	25	169	223	262	292
TaE	Talmo gravelly loam, 9 to 25 percent slopes	Talmo	75	825	1057	1222	1347
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
DoF	Dupree-Opal clays, 6 to 34 percent slopes	Dupree	60	barrier	barrier	barrier	barrier
DoF	Dupree-Opal clays, 6 to 34 percent slopes	Opal	25	barrier	barrier	barrier	barrier
Ds	Dupree-Rock outcrop complex	Dupree	60	barrier	barrier	barrier	barrier
HuA	Hurley silt loam, 0 to 5 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
OtB	Opal clay, 2 to 6 percent slopes	Opal	85	barrier	barrier	barrier	barrier
OtC	Opal clay, 6 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OuD	Opal-Dupree clays, 6 to 21 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OuD	Opal-Dupree clays, 6 to 21 percent slopes	Dupree	35	barrier	barrier	barrier	barrier
St	Rock outcrop-Dupree complex	Dupree	20	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaB2	Anselmo loamy fine sand, 0 to 9 percent slopes, eroded	Anselmo	90	145	186	216	238
AbB	Anselmo fine sandy loam, 3 to 6 percent slopes	Anselmo	90	156	200	232	255
AbC	Anselmo fine sandy loam, 6 to 9 percent slopes	Anselmo	90	156	200	232	255
AbD	Anselmo fine sandy loam, 9 to 15 percent slopes	Anselmo	90	156	200	232	255
AhC	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	Anselmo	50	156	200	232	255
AtD	Anselmo-Longpine fine sandy loams, 10 to 20 percent	Anselmo	55	156	200	232	255
AvA	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	Anselmo	55	156	200	232	255
AvA	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	Vetal	30	140	180	208	230
Ba	Bigbend-Inavale complex	Bigbend	50	212	271	313	345
Ba	Bigbend-Inavale complex	Inavale	30	268	342	395	434
Ba	Bigbend-Inavale complex	Munjor	15	191	245	283	312
BmC	Boro-Millboro silty clays, 5 to 9 percent slopes	Boro	45	87	113	131	145
BmC	Boro-Millboro silty clays, 5 to 9 percent slopes	Millboro	30	73	94	110	122
Bp	Bridgeport complex	Bridgeport	70	80	103	120	133
Bt	Bridgeport complex, channeled	Bridgeport	65	80	103	120	133
CaB	Canning loam, 2 to 5 percent slopes	Canning	85	521	664	766	842
CbD	Canning-Murdo loams, 6 to 15 percent slopes	Canning	50	521	664	766	842
CbD	Canning-Murdo loams, 6 to 15 percent slopes	Murdo	30	568	724	835	917
Cc	Carter silty clay loam	Carter	80	106	136	158	174
Cd	Cass fine sandy loam	Cass	85	205	263	304	334
ChA	Chappell fine sandy loam, 0 to 3 percent slopes	Chappell	80	309	395	456	502
CnC	Chappell-Dix fine sandy loams, 6 to 9 percent slopes	Chappell	55	309	395	456	502
CnC	Chappell-Dix fine sandy loams, 6 to 9 percent slopes	Dix	25	321	410	473	520
DaA	Dix fine sandy loam, 0 to 3 percent slopes	Dix	90	321	410	473	520
DbD	Dix soils, 9 to 18 percent slopes	Dix	85	321	410	473	520
DgB	Doger loamy fine sand, 0 to 6 percent slopes	Doger	88	170	218	253	278
DmA	Doger-Elsmere complex, 0 to 3 percent slopes	Doger	50	170	218	253	278
DmA	Doger-Elsmere complex, 0 to 3 percent slopes	Elsmere	40	461	587	677	745
DnC2	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	Dunday	90	132	169	196	216
DnC2	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	Doger	3	170	218	253	278
DuC	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	Dunday	50	132	169	196	216
DuC	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	Doger	40	170	218	253	278
Em	Elsmere fine sandy loam	Elsmere	85	461	587	677	745
Er	Erd clay	Erd	90	90	116	135	149
Es	Erd-Capa complex	Erd	60	90	116	135	149
Es	Erd-Capa complex	Capa	25	80	103	120	133
Gp	Gravel pit	Orthents	98	568	724	834	917
Ha	Bigbend soils	Bigbend	90	263	336	388	427
HbA	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	Anselmo	30	156	200	232	255
Ia	Inavale loamy fine sand	Inavale	90	259	331	383	421
Ic	Inavale complex, channeled	Inavale	65	259	331	383	421
Ke	Keya silt loam	Keya	90	158	203	235	259
Ko	Kolls clay	Kolls	90	63	83	96	107
LkC	Lakoma-Millboro silty clays, 5 to 9 percent slopes	Millboro	30	73	94	110	122
LwA	Lowry silt loam, 0 to 4 percent slopes	Lowry	90	174	223	258	285
MaA	Manter fine sandy loam, 0 to 3 percent slopes	Manter	85	172	220	255	281
MaB	Manter fine sandy loam, 3 to 9 percent slopes	Manter	80	172	220	255	281
MfE	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	Manter	50	172	220	255	281
MfE	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	Anselmo	30	156	200	232	255
Mh	Marsh	Aquolls	96	77	99	116	128
MoA	Millboro silty clay, 0 to 3 percent slopes	Millboro	85	73	94	110	122
MoB	Millboro silty clay, 3 to 6 percent slopes	Millboro	80	73	94	110	122
MoC	Millboro silty clay, 6 to 9 percent slopes	Millboro	80	73	94	110	122
Mr	Mosher silt loam	Mosher	90	104	134	155	171
Ms	Mosher-Jerauld silt loams	Mosher	60	104	134	155	171
Ms	Mosher-Jerauld silt loams	Jerauld	30	78	102	118	131
Mu	Munjor fine sandy loam	Munjor	90	191	245	283	312
OcF	Okaton-Rock outcrop complex, 25 to 60 percent slopes	Rockoutcrop	30	69	89	104	115
On	Onita silt loam	Onita	90	110	142	165	182
Oo	Onita-Mosher silt loams	Onita	60	110	142	165	182
Oo	Onita-Mosher silt loams	Mosher	30	104	134	155	171
Ow	Orwet loam	Orwet	90	184	235	272	300

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
PrA	Promise clay, 0 to 3 percent slopes	Promise	85	98	126	146	162
PrB	Promise clay, 3 to 6 percent slopes	Promise	90	98	126	146	162
PrC	Promise clay, 6 to 9 percent slopes	Promise	85	98	126	146	162
PsA	Wendte clay, channeled, 0 to 2 percent slopes	Wendte	80	84	109	127	140
PtA	Hilmoe clay, 0 to 2 percent slopes	Hilmoe	90	100	129	149	165
Q	Quarry, 0 to 60 percent slopes	Orthents	98	400	510	588	647
RaA	Ree loam, 0 to 3 percent slopes	Ree	85	133	171	198	219
RaB	Ree loam, 3 to 6 percent slopes	Ree	85	133	171	198	219
RaC	Ree loam, 6 to 9 percent slopes	Ree	84	133	171	198	219
RaD	Ree loam, 9 to 15 percent slopes	Ree	80	148	190	221	243
ReA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	85	113	145	168	186
ReB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	80	113	145	168	186
ReC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	113	145	168	186
ReC2	Reliance silty clay loam, 6 to 9 percent slopes, eroded	Reliance	90	113	145	168	186
ScF	Sansarc-Shale outcrop complex, 25 to 40 percent slopes	Rockoutcrop	30	69	89	104	115
ShE	Schamber-Murdo complex, 15 to 40 percent slopes	Schamber	45	443	564	651	716
ShE	Schamber-Murdo complex, 15 to 40 percent slopes	Murdo	35	568	724	835	917
So	Scott silt loam	Scott	90	113	145	168	186
Sw	Bullcreek clay	Bullcreek	90	30	92	107	118
TrF	Longpine-Rock outcrop complex, 15 to 40 percent slopes	Rockoutcrop	30	30	380	439	483
VaD	Valentine fine sand, 6 to 15 percent slopes	Valentine	90	30	367	423	466
VdC	Valentine-Dunday complex, 3 to 9 percent slopes	Valentine	50	287	367	423	466
VdC	Valentine-Dunday complex, 3 to 9 percent slopes	Dunday	40	132	169	196	216
VnD	Valentine-Longpine complex, 6 to 15 percent slopes	Valentine	60	287	367	423	466
Vt	Vetal fine sandy loam	Vetal	85	31	180	208	230
Wb	Wann fine sandy loam	Wann	85	138	177	205	226
WeE	Westover loam, 9 to 25 percent slopes	Westover	90	393	501	578	635
Wh	Whitelake fine sandy loam	Whitelake	90	198	254	293	323
Wk	Whitelake-Lute fine sandy loams	Whitelake	50	32	254	293	323
Wk	Whitelake-Lute fine sandy loams	Lute	30	151	193	224	247
Wn	Witten silty clay	Witten	85	102	131	152	168
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
AhC	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	Holt	40	barrier	barrier	barrier	barrier
AtD	Anselmo-Longpine fine sandy loams, 10 to 20 percent	Longpine	20	barrier	barrier	barrier	barrier
BnC	Boyd clay, 5 to 9 percent slopes	Boyd	85	barrier	barrier	barrier	barrier
BOD	Boyd-Okaton association, 9 to 25 percent slopes	Boyd	60	barrier	barrier	barrier	barrier
BOD	Boyd-Okaton association, 9 to 25 percent slopes	Okaton	25	barrier	barrier	barrier	barrier
EpE	Epping soils, 12 to 25 percent slopes	Epping	80	barrier	barrier	barrier	barrier
HbA	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	Holt	60	barrier	barrier	barrier	barrier
HgA	Huggins silt loam, 0 to 3 percent slopes	Huggins	85	barrier	barrier	barrier	barrier
HkB	Huggins-Kadoka silt loams, 3 to 9 percent slopes	Huggins	45	barrier	barrier	barrier	barrier
HkB	Huggins-Kadoka silt loams, 3 to 9 percent slopes	Kadoka	40	barrier	barrier	barrier	barrier
Hr	Hurley silt loam	Hurley	85	barrier	barrier	barrier	barrier
KaA	Kadoka silt loam, 0 to 3 percent slopes	Kadoka	85	barrier	barrier	barrier	barrier
KbD	Kadoka-Epping silt loams, 6 to 12 percent slopes	Kadoka	60	barrier	barrier	barrier	barrier
KbD	Kadoka-Epping silt loams, 6 to 12 percent slopes	Epping	25	barrier	barrier	barrier	barrier
LkC	Lakoma-Millboro silty clays, 5 to 9 percent slopes	Lakoma	50	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Lakoma	60	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Okaton	25	barrier	barrier	barrier	barrier
OAF	Okaton association, 25 to 40 percent slopes	Okaton	70	barrier	barrier	barrier	barrier
OBE	Okaton-Lakoma association, 15 to 40 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OBE	Okaton-Lakoma association, 15 to 40 percent slopes	Lakoma	35	barrier	barrier	barrier	barrier
OcF	Okaton-Rock outcrop complex, 25 to 60 percent slopes	Okaton	60	barrier	barrier	barrier	barrier
OpC	Opal clay, 3 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OsE	Opal-Sansarc clays, 9 to 25 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsE	Opal-Sansarc clays, 9 to 25 percent slopes	Sansarc	35	barrier	barrier	barrier	barrier
RfA	Ronson fine sandy loam, 0 to 4 percent slopes	Ronson	85	barrier	barrier	barrier	barrier
RoB	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	Ronson	45	barrier	barrier	barrier	barrier
RoB	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	Longpine	35	barrier	barrier	barrier	barrier
RsB	Rosebud loam, 3 to 6 percent slopes	Rosebud	85	barrier	barrier	barrier	barrier
RuC	Rosebud-Canyon loams, 6 to 9 percent slopes	Rosebud	60	barrier	barrier	barrier	barrier
RuC	Rosebud-Canyon loams, 6 to 9 percent slopes	Canyon	25	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RuD	Rosebud-Canyon loams, 9 to 15 percent slopes	Rosebud	55	barrier	barrier	barrier	barrier
RuD	Rosebud-Canyon loams, 9 to 15 percent slopes	Canyon	35	barrier	barrier	barrier	barrier
SAE	Sansarc-Opal association, 15 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
SAE	Sansarc-Opal association, 15 to 40 percent slopes	Opal	25	barrier	barrier	barrier	barrier
ScF	Sansarc-Shale outcrop complex, 25 to 40 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SsB	Shena silt loam, 0 to 9 percent slopes	Shena	82	barrier	barrier	barrier	barrier
TaE	Longpine fine sandy loam, 9 to 40 percent slopes	Longpine	80	barrier	barrier	barrier	barrier
TrF	Longpine-Rock outcrop complex, 15 to 40 percent slopes	Longpine	50	barrier	barrier	barrier	barrier
VnD	Valentine-Longpine complex, 6 to 15 percent slopes	Longpine	20	barrier	barrier	barrier	barrier
Wa	Wanblee-Wortman silt loams	Wanblee	50	barrier	barrier	barrier	barrier
Wa	Wanblee-Wortman silt loams	Wortman	35	barrier	barrier	barrier	barrier
WfA	Wewela loamy fine sand, 0 to 4 percent slopes	Wewela	90	barrier	barrier	barrier	barrier
WgA	Wewela fine sandy loam, 0 to 3 percent slopes	Wewela	85	barrier	barrier	barrier	barrier
WgB	Wewela fine sandy loam, 3 to 6 percent slopes	Wewela	85	barrier	barrier	barrier	barrier
Wo	Wortman silt loam	Wortman	85	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AaB2	Anselmo loamy fine sand, 0 to 9 percent slopes, eroded	Anselmo	90	131	174	206	231
AbB	Anselmo fine sandy loam, 3 to 6 percent slopes	Anselmo	90	142	188	222	248
AbC	Anselmo fine sandy loam, 6 to 9 percent slopes	Anselmo	90	142	188	222	248
AbD	Anselmo fine sandy loam, 9 to 15 percent slopes	Anselmo	90	142	188	222	248
AhC	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	Anselmo	50	142	188	222	248
AtD	Anselmo-Longpine fine sandy loams, 10 to 20 percent	Anselmo	55	142	188	222	248
AvA	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	Anselmo	55	142	188	222	248
AvA	Anselmo-Vetal fine sandy loams, 0 to 3 percent slopes	Vetal	30	126	168	199	223
Ba	Bigbend-Inavale complex	Bigbend	50	197	259	303	337
Ba	Bigbend-Inavale complex	Inavale	30	253	330	385	427
Ba	Bigbend-Inavale complex	Munjor	15	177	233	274	305
BmC	Boro-Millboro silty clays, 5 to 9 percent slopes	Boro	45	74	102	122	138
BmC	Boro-Millboro silty clays, 5 to 9 percent slopes	Millboro	30	60	84	101	115
Bp	Bridgeport complex	Bridgeport	70	67	92	111	126
Bt	Bridgeport complex, channeled	Bridgeport	65	67	92	111	126
CaB	Canning loam, 2 to 5 percent slopes	Canning	85	506	652	756	835
CbD	Canning-Murdo loams, 6 to 15 percent slopes	Canning	50	506	652	756	835
CbD	Canning-Murdo loams, 6 to 15 percent slopes	Murdo	30	553	711	825	910
Cc	Carter silty clay loam	Carter	80	92	125	149	167
Cd	Cass fine sandy loam	Cass	85	191	251	294	327
ChA	Chappell fine sandy loam, 0 to 3 percent slopes	Chappell	80	294	383	446	494
CnC	Chappell-Dix fine sandy loams, 6 to 9 percent slopes	Chappell	55	294	383	446	494
CnC	Chappell-Dix fine sandy loams, 6 to 9 percent slopes	Dix	25	306	397	463	513
DaA	Dix fine sandy loam, 0 to 3 percent slopes	Dix	90	306	397	463	513
DbD	Dix soils, 9 to 18 percent slopes	Dix	85	306	397	463	513
DgB	Doger loamy fine sand, 0 to 6 percent slopes	Doger	88	156	206	243	271
DmA	Doger-Elsmere complex, 0 to 3 percent slopes	Doger	50	156	206	243	271
DmA	Doger-Elsmere complex, 0 to 3 percent slopes	Elsmere	40	445	575	667	737
DnC2	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	Dunday	90	118	158	187	209
DnC2	Dunday loamy fine sand, 3 to 9 percent slopes, eroded	Doger	3	156	206	243	271
DuC	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	Dunday	50	118	158	187	209
DuC	Dunday-Doger loamy fine sands, 3 to 9 percent slopes	Doger	40	156	206	243	271
Em	Elsmere fine sandy loam	Elsmere	85	445	575	667	737
Er	Erd clay	Erd	90	77	105	126	142
Es	Erd-Capa complex	Erd	60	77	105	126	142
Es	Erd-Capa complex	Capa	25	67	93	111	126
Gp	Gravel pit	Orthents	98	553	711	824	910
Ha	Bigbend soils	Bigbend	90	248	324	378	420
HbA	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	Anselmo	30	142	188	222	248
Ia	Inavale loamy fine sand	Inavale	90	244	319	373	414
Ic	Inavale complex, channeled	Inavale	65	244	319	373	414
Ke	Keya silt loam	Keya	90	144	191	225	252
Ko	Kolls clay	Kolls	90	52	72	88	100
LkC	Lakoma-Millboro silty clays, 5 to 9 percent slopes	Millboro	30	60	84	101	115
LwA	Lowry silt loam, 0 to 4 percent slopes	Lowry	90	160	212	249	278
MaA	Manter fine sandy loam, 0 to 3 percent slopes	Manter	85	157	208	245	274
MaB	Manter fine sandy loam, 3 to 9 percent slopes	Manter	80	157	208	245	274
MfE	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	Manter	50	157	208	245	274
MfE	Manter-Anselmo fine sandy loams, 15 to 30 percent slopes	Anselmo	30	142	188	222	248
Mh	Marsh	Aquolls	96	64	88	107	121
MoA	Millboro silty clay, 0 to 3 percent slopes	Millboro	85	60	84	101	115
MoB	Millboro silty clay, 3 to 6 percent slopes	Millboro	80	60	84	101	115
MoC	Millboro silty clay, 6 to 9 percent slopes	Millboro	80	60	84	101	115
Mr	Mosher silt loam	Mosher	90	90	122	146	164
Ms	Mosher-Jerauld silt loams	Mosher	60	90	122	146	164
Ms	Mosher-Jerauld silt loams	Jerauld	30	66	91	109	124
Mu	Munjor fine sandy loam	Munjor	90	177	233	274	305
OcF	Okaton-Rock outcrop complex, 25 to 60 percent slopes	Rockoutcrop	30	56	78	95	108
On	Onita silt loam	Onita	90	97	131	156	175
Oo	Onita-Mosher silt loams	Onita	60	97	131	156	175
Oo	Onita-Mosher silt loams	Mosher	30	90	122	146	164
Ow	Orwet loam	Orwet	90	169	223	263	293

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
PrA	Promise clay, 0 to 3 percent slopes	Promise	85	85	115	137	155
PrB	Promise clay, 3 to 6 percent slopes	Promise	90	85	115	137	155
PrC	Promise clay, 6 to 9 percent slopes	Promise	85	85	115	137	155
PsA	Wendte clay, channeled, 0 to 2 percent slopes	Wendte	80	72	98	118	133
PtA	Hilmoe clay, 0 to 2 percent slopes	Hilmoe	90	86	117	140	158
Q	Quarry, 0 to 60 percent slopes	Orthents	98	385	497	578	639
RaA	Ree loam, 0 to 3 percent slopes	Ree	85	119	160	189	212
RaB	Ree loam, 3 to 6 percent slopes	Ree	85	119	160	189	212
RaC	Ree loam, 6 to 9 percent slopes	Ree	84	119	160	189	212
RaD	Ree loam, 9 to 15 percent slopes	Ree	80	134	179	211	236
ReA	Reliance silty clay loam, 0 to 3 percent slopes	Reliance	85	99	134	159	179
ReB	Reliance silty clay loam, 3 to 6 percent slopes	Reliance	80	99	134	159	179
ReC	Reliance silty clay loam, 6 to 9 percent slopes	Reliance	90	99	134	159	179
ReC2	Reliance silty clay loam, 6 to 9 percent slopes, eroded	Reliance	90	99	134	159	179
ScF	Sansarc-Shale outcrop complex, 25 to 40 percent slopes	Rockoutcrop	30	56	78	95	108
ShE	Schamber-Murdo complex, 15 to 40 percent slopes	Schamber	45	427	552	641	708
ShE	Schamber-Murdo complex, 15 to 40 percent slopes	Murdo	35	553	711	825	910
So	Scott silt loam	Scott	90	99	134	159	179
Sw	Bullcreek clay	Bullcreek	90	58	81	98	111
TrF	Longpine-Rock outcrop complex, 15 to 40 percent slopes	Rockoutcrop	30	283	368	429	476
VaD	Valentine fine sand, 6 to 15 percent slopes	Valentine	90	272	354	413	458
VdC	Valentine-Dunday complex, 3 to 9 percent slopes	Valentine	50	272	354	413	458
VdC	Valentine-Dunday complex, 3 to 9 percent slopes	Dunday	40	118	158	187	209
VnD	Valentine-Longpine complex, 6 to 15 percent slopes	Valentine	60	272	354	413	458
Vt	Vetal fine sandy loam	Vetal	85	126	168	199	223
Wb	Wann fine sandy loam	Wann	85	124	165	196	219
WeE	Westover loam, 9 to 25 percent slopes	Westover	90	377	488	568	628
Wh	Whitelake fine sandy loam	Whitelake	90	184	242	284	316
Wk	Whitelake-Lute fine sandy loams	Whitelake	50	184	242	284	316
Wk	Whitelake-Lute fine sandy loams	Lute	30	136	181	214	240
Wn	Witten silty clay	Witten	85	88	120	143	161
***NOTE:**	The following soils have a barrier layer less than eight (8)						
	feet and must be calculated using a different method.						
AhC	Anselmo-Holt fine sandy loams, 3 to 9 percent slopes	Holt	40	barrier	barrier	barrier	barrier
AtD	Anselmo-Longpine fine sandy loams, 10 to 20 percent	Longpine	20	barrier	barrier	barrier	barrier
BnC	Boyd clay, 5 to 9 percent slopes	Boyd	85	barrier	barrier	barrier	barrier
BOD	Boyd-Okaton association, 9 to 25 percent slopes	Boyd	60	barrier	barrier	barrier	barrier
BOD	Boyd-Okaton association, 9 to 25 percent slopes	Okaton	25	barrier	barrier	barrier	barrier
EpE	Epping soils, 12 to 25 percent slopes	Epping	80	barrier	barrier	barrier	barrier
HbA	Holt-Anselmo fine sandy loams, 0 to 3 percent slopes	Holt	60	barrier	barrier	barrier	barrier
HgA	Huggins silt loam, 0 to 3 percent slopes	Huggins	85	barrier	barrier	barrier	barrier
HkB	Huggins-Kadoka silt loams, 3 to 9 percent slopes	Huggins	45	barrier	barrier	barrier	barrier
HkB	Huggins-Kadoka silt loams, 3 to 9 percent slopes	Kadoka	40	barrier	barrier	barrier	barrier
Hr	Hurley silt loam	Hurley	85	barrier	barrier	barrier	barrier
KaA	Kadoka silt loam, 0 to 3 percent slopes	Kadoka	85	barrier	barrier	barrier	barrier
KbD	Kadoka-Epping silt loams, 6 to 12 percent slopes	Kadoka	60	barrier	barrier	barrier	barrier
KbD	Kadoka-Epping silt loams, 6 to 12 percent slopes	Epping	25	barrier	barrier	barrier	barrier
LkC	Lakoma-Millboro silty clays, 5 to 9 percent slopes	Lakoma	50	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Lakoma	60	barrier	barrier	barrier	barrier
LoD	Lakoma-Okaton silty clays, 9 to 15 percent slopes	Okaton	25	barrier	barrier	barrier	barrier
OAF	Okaton association, 25 to 40 percent slopes	Okaton	70	barrier	barrier	barrier	barrier
OBE	Okaton-Lakoma association, 15 to 40 percent slopes	Okaton	55	barrier	barrier	barrier	barrier
OBE	Okaton-Lakoma association, 15 to 40 percent slopes	Lakoma	35	barrier	barrier	barrier	barrier
OcF	Okaton-Rock outcrop complex, 25 to 60 percent slopes	Okaton	60	barrier	barrier	barrier	barrier
OpC	Opal clay, 3 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OsE	Opal-Sansarc clays, 9 to 25 percent slopes	Opal	55	barrier	barrier	barrier	barrier
OsE	Opal-Sansarc clays, 9 to 25 percent slopes	Sansarc	35	barrier	barrier	barrier	barrier
RfA	Ronson fine sandy loam, 0 to 4 percent slopes	Ronson	85	barrier	barrier	barrier	barrier
RoB	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	Ronson	45	barrier	barrier	barrier	barrier
RoB	Ronson-Longpine fine sandy loams, 0 to 6 percent slopes	Longpine	35	barrier	barrier	barrier	barrier
RsB	Rosebud loam, 3 to 6 percent slopes	Rosebud	85	barrier	barrier	barrier	barrier
RuC	Rosebud-Canyon loams, 6 to 9 percent slopes	Rosebud	60	barrier	barrier	barrier	barrier
RuC	Rosebud-Canyon loams, 6 to 9 percent slopes	Canyon	25	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Tripp County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RuD	Rosebud-Canyon loams, 9 to 15 percent slopes	Rosebud	55	barrier	barrier	barrier	barrier
RuD	Rosebud-Canyon loams, 9 to 15 percent slopes	Canyon	35	barrier	barrier	barrier	barrier
SAE	Sansarc-Opal association, 15 to 40 percent slopes	Sansarc	65	barrier	barrier	barrier	barrier
SAE	Sansarc-Opal association, 15 to 40 percent slopes	Opal	25	barrier	barrier	barrier	barrier
ScF	Sansarc-Shale outcrop complex, 25 to 40 percent slopes	Sansarc	60	barrier	barrier	barrier	barrier
SsB	Shena silt loam, 0 to 9 percent slopes	Shena	82	barrier	barrier	barrier	barrier
TaE	Longpine fine sandy loam, 9 to 40 percent slopes	Longpine	80	barrier	barrier	barrier	barrier
TrF	Longpine-Rock outcrop complex, 15 to 40 percent slopes	Longpine	50	barrier	barrier	barrier	barrier
VnD	Valentine-Longpine complex, 6 to 15 percent slopes	Longpine	20	barrier	barrier	barrier	barrier
Wa	Wanblee-Wortman silt loams	Wanblee	50	barrier	barrier	barrier	barrier
Wa	Wanblee-Wortman silt loams	Wortman	35	barrier	barrier	barrier	barrier
WfA	Wewela loamy fine sand, 0 to 4 percent slopes	Wewela	90	barrier	barrier	barrier	barrier
WgA	Wewela fine sandy loam, 0 to 3 percent slopes	Wewela	85	barrier	barrier	barrier	barrier
WgB	Wewela fine sandy loam, 3 to 6 percent slopes	Wewela	85	barrier	barrier	barrier	barrier
Wo	Wortman silt loam	Wortman	85	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Turner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ac	Alcester silt loam	Alcester	90	100	129	150	166
Ar	Arlo clay loam	Arlo	85	171	219	253	279
Ba	Baltic silty clay loam	Baltic	85	79	103	119	132
Bb	Baltic silty clay loam, ponded	Baltic	90	84	109	126	140
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	50	63	82	96	106
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	56	74	86	95
BhE	Betts-Talmo complex, 12 to 40 percent slopes	Betts	65	63	82	96	106
BhE	Betts-Talmo complex, 12 to 40 percent slopes	Talmo	20	460	586	676	743
BkA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	183	235	272	299
BmB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Blendon	60	183	235	272	299
BmB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Henkin	30	149	191	221	244
Ca	Chancellor silty clay loam	Chancellor	85	75	97	113	124
Cc	Chaska loam, channeled	Chaska	90	72	94	109	121
Cd	Clamo silty clay	Clamo	90	90	117	136	150
Ce	Clamo clay, gravelly substratum	Clamo	85	164	211	244	269
ChA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	65	67	87	101	112
ChA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	95	123	142	157
ChB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	70	67	87	101	112
ChB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	95	123	142	157
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Clarno	50	67	87	101	112
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Crossplain	25	53	69	81	90
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Davison	15	89	114	133	147
CmB	Clarno-Davison loams, 2 to 5 percent slopes	Clarno	55	67	87	101	112
CmB	Clarno-Davison loams, 2 to 5 percent slopes	Davison	30	89	114	133	147
CoB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	60	67	87	101	112
CoB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	30	56	74	86	95
CoC	Clarno-Ethan loams, 5 to 9 percent slopes	Clarno	50	67	87	101	112
CoC	Clarno-Ethan loams, 5 to 9 percent slopes	Ethan	40	56	74	86	95
Cr	Crossplain clay loam	Crossplain	85	53	69	81	90
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	100	129	150	166
DaB	Davis loam, 2 to 6 percent slopes	Davis	90	100	129	150	165
DbA	Davis loam, sandy substratum, 0 to 2 percent slopes	Davis	85	375	478	552	607
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	60	488	622	717	789
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	30	522	666	767	844
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	50	488	622	717	789
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	40	509	649	748	822
DgB	Dempster-Graceville silty clay loams, 1 to 5 percent slopes	Dempster	65	197	253	292	322
DgB	Dempster-Graceville silty clay loams, 1 to 5 percent slopes	Graceville	25	196	251	291	320
Do	Dimo clay loam	Dimo	85	254	325	375	413
EeA	Egan-Ethan complex, 0 to 2 percent slopes	Egan	70	68	88	103	114
EeA	Egan-Ethan complex, 0 to 2 percent slopes	Ethan	20	56	74	86	95
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	60	68	88	103	114
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	56	74	86	95
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	65	68	88	103	114
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	90	116	135	149
EgB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	60	68	88	103	114
EgB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	30	73	95	111	123
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	500	637	734	807
EsD	Ethan-Betts loams, 6 to 15 percent slopes	Ethan	55	56	74	86	95
EsD	Ethan-Betts loams, 6 to 15 percent slopes	Betts	35	65	85	99	109
EtB	Ethan-Egan complex, 2 to 6 percent slopes	Ethan	55	56	74	86	95
EtB	Ethan-Egan complex, 2 to 6 percent slopes	Egan	35	68	88	103	114
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Ethan	55	56	74	86	95
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Egan	35	68	88	103	114
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	88	114	133	147
La	Lamo silty clay loam	Lamo	85	74	96	111	123
Ro	Roxbury silt loam	Roxbury	90	84	108	126	139

South Dakota Lateral Effect Tables for Turner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Rv	Roxbury variant silt loam	Roxbury	90	101	130	151	166
Sa	Salmo silty clay loam	Salmo	85	80	104	120	133
Te	Tetonka silt loam	Tetonka	85	99	128	148	164
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Wakonda	40	73	95	111	122
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Wentworth	30	72	93	109	120
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Chancellor	20	75	97	113	124
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	50	72	93	109	120
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	25	75	97	113	124
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	15	73	95	111	122
Wo	Worthing silty clay loam	Worthing	90	71	92	107	118

South Dakota Lateral Effect Tables for Turner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ac	Alcester silt loam	Alcester	90	87	118	141	159
Ar	Arlo clay loam	Arlo	85	156	207	244	272
Ba	Baltic silty clay loam	Baltic	85	67	92	111	125
Bb	Baltic silty clay loam, ponded	Baltic	90	71	98	117	133
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Betts	50	51	72	87	100
BeE	Betts-Ethan loams, 15 to 40 percent slopes	Ethan	35	45	63	78	89
BhE	Betts-Talmo complex, 12 to 40 percent slopes	Betts	65	51	72	87	100
BhE	Betts-Talmo complex, 12 to 40 percent slopes	Talmo	20	444	573	666	736
BkA	Blendon fine sandy loam, 0 to 2 percent slopes	Blendon	85	169	223	262	292
BmB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Blendon	60	169	223	262	292
BmB	Blendon-Henkin fine sandy loams, 2 to 6 percent slopes	Henkin	30	135	179	212	237
Ca	Chancellor silty clay loam	Chancellor	85	62	86	104	118
Cc	Chaska loam, channeled	Chaska	90	60	83	100	114
Cd	Clamo silty clay	Clamo	90	77	106	127	143
Ce	Clamo clay, gravelly substratum	Clamo	85	150	199	234	261
ChA	Clarno-Bonilla loams, 0 to 2 percent slopes	Clarno	65	55	76	92	105
ChA	Clarno-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	82	111	133	150
ChB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	70	55	76	92	105
ChB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	82	111	133	150
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Clarno	50	55	76	92	105
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Crossplain	25	42	59	72	83
CkA	Clarno-Crossplain-Davison complex, 0 to 3 percent slopes	Davison	15	76	103	124	140
CmB	Clarno-Davison loams, 2 to 5 percent slopes	Clarno	55	55	76	92	105
CmB	Clarno-Davison loams, 2 to 5 percent slopes	Davison	30	76	103	124	140
CoB	Clarno-Ethan loams, 2 to 6 percent slopes	Clarno	60	55	76	92	105
CoB	Clarno-Ethan loams, 2 to 6 percent slopes	Ethan	30	45	63	78	89
CoC	Clarno-Ethan loams, 5 to 9 percent slopes	Clarno	50	55	76	92	105
CoC	Clarno-Ethan loams, 5 to 9 percent slopes	Ethan	40	45	63	78	89
Cr	Crossplain clay loam	Crossplain	85	42	59	72	83
DaA	Davis loam, 0 to 2 percent slopes	Davis	90	87	118	141	159
DaB	Davis loam, 2 to 6 percent slopes	Davis	90	87	118	141	158
DbA	Davis loam, sandy substratum, 0 to 2 percent slopes	Davis	85	360	466	542	600
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Delmont	60	473	610	707	781
DeA	Delmont-Enet loams, 0 to 2 percent slopes	Enet	30	507	653	758	836
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Delmont	50	473	610	707	781
DeB	Delmont-Enet loams, 2 to 6 percent slopes	Enet	40	494	636	738	815
DgB	Dempster-Graceville silty clay loams, 1 to 5 percent slopes	Dempster	65	183	241	283	315
DgB	Dempster-Graceville silty clay loams, 1 to 5 percent slopes	Graceville	25	182	239	281	313
Do	Dimo clay loam	Dimo	85	239	313	366	406
EeA	Egan-Ethan complex, 0 to 2 percent slopes	Egan	70	56	78	94	107
EeA	Egan-Ethan complex, 0 to 2 percent slopes	Ethan	20	45	63	78	89
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Egan	60	56	78	94	107
EeB	Egan-Ethan complex, 2 to 6 percent slopes	Ethan	30	45	63	78	89
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	65	56	78	94	107
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	25	77	105	126	142
EgB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	60	56	78	94	107
EgB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	30	61	85	102	116
EnA	Enet loam, 0 to 2 percent slopes	Enet	90	484	624	724	800
EsD	Ethan-Betts loams, 6 to 15 percent slopes	Ethan	55	45	63	78	89
EsD	Ethan-Betts loams, 6 to 15 percent slopes	Betts	35	53	74	90	103
EtB	Ethan-Egan complex, 2 to 6 percent slopes	Ethan	55	45	63	78	89
EtB	Ethan-Egan complex, 2 to 6 percent slopes	Egan	35	56	78	94	107
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Ethan	55	45	63	78	89
EtC	Ethan-Egan complex, 5 to 9 percent slopes	Egan	35	56	78	94	107
HuA	Huntimer silty clay loam, 0 to 2 percent slopes	Huntimer	90	75	103	124	140
La	Lamo silty clay loam	Lamo	85	61	85	103	117
Ro	Roxbury silt loam	Roxbury	90	71	97	117	132

South Dakota Lateral Effect Tables for Turner County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Rv	Roxbury variant silt loam	Roxbury	90	87	118	141	159
Sa	Salmo silty clay loam	Salmo	85	67	93	112	126
Te	Tetonka silt loam	Tetonka	85	86	117	139	157
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Wakonda	40	61	84	102	116
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Wentworth	30	60	83	100	114
WaA	Wakonda-Wentworth-Chancellor silty clay loams, 0 to 3 percent slopes	Chancellor	20	62	86	104	118
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wentworth	50	60	83	100	114
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Chancellor	25	62	86	104	118
WcA	Wentworth-Chancellor-Wakonda silty clay loams, 0 to 2 percent slopes	Wakonda	15	61	84	102	116
Wo	Worthing silty clay loam	Worthing	90	59	81	98	112

South Dakota Lateral Effect Tables for Union County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ab	Albaton silt loam, overwash	Albaton	90	51	67	78	86
Ac	Albaton silty clay	Albaton	100	51	67	78	86
Ad	Albaton silty clay, depressional	Albaton	100	69	90	105	116
Ae	Alcester silt loam, 2 to 6 percent slopes	Alcester	85	105	135	157	173
Bd	Benclare silty clay loam, somewhat poorly drained	Benclare	90	81	105	123	136
Be	Benclare soils, overwash	Benclare	90	81	105	123	136
Bf	Blencoe silty clay	Blencoe	90	74	95	111	123
Bg	Blyburg silt loam	Blyburg	90	137	176	204	225
Ca	Calco silty clay loam, wet	Calco	85	90	116	134	149
CbE2	Crofton silt loam, 12 to 17 percent slopes, eroded	Crofton	80	181	231	268	295
CbF	Crofton silt loam, 17 to 30 percent slopes	Crofton	85	181	231	268	295
CnB	Crofton-Nora silt loams, 2 to 6 percent slopes	Crofton	55	181	231	268	295
CnB	Crofton-Nora silt loams, 2 to 6 percent slopes	Nora	35	101	130	151	166
CnD2	Crofton-Nora silt loams, 6 to 12 percent slopes, eroded	Crofton	55	181	231	268	295
CnD2	Crofton-Nora silt loams, 6 to 12 percent slopes, eroded	Nora	25	101	130	151	166
Da	Davis loam	Davis	90	97	125	146	161
De	Dempster silty clay loam	Dempster	90	479	610	704	774
EaB	Egan-Shindler complex, 2 to 6 percent slopes	Egan	55	68	88	103	114
EaB	Egan-Shindler complex, 2 to 6 percent slopes	Shindler	35	47	62	72	80
EaC	Egan-Shindler complex, 6 to 9 percent slopes	Egan	50	68	88	103	114
EaC	Egan-Shindler complex, 6 to 9 percent slopes	Shindler	40	47	62	72	80
EmA	Enet loam, 0 to 2 percent slopes	Enet	95	206	264	306	337
EnB	Enet and dempster complex, 2 to 6 percent slopes	Enet	50	479	610	704	774
EnB	Enet and dempster complex, 2 to 6 percent slopes	Dempster	50	206	264	306	337
Fa	Chaska loam	Chaska	97	74	96	112	124
Fb	Norway loamy sand	Norway	99	329	421	485	534
Fc	Forney silty clay	Forney	100	51	67	79	87
Fe	Forney silt loam, overwash	Forney	90	51	67	79	87
Ga	Grable silt loam	Grable	70	490	625	721	792
Gb	Graceville silty clay loam	Graceville	90	293	375	432	476
Ha	Haynie silt loam	Haynie	80	178	229	264	291
Hb	Haynie silty clay loam	Haynie	90	143	184	213	235
Ja	James silty clay	James	90	67	87	101	112
Ka	Kennebec silty clay loam	Kennebec	80	89	115	134	148
La	Lakeport silty clay loam	Lakeport	90	69	90	105	116
Lb	Lamo silty clay loam	Lamo	90	74	97	112	124
Ld	Luton silty clay	Luton	90	56	73	86	95
Ma	McPaul silt loam	McPaul	85	143	184	213	235
Mb	Modale silt loam	Modale	90	115	148	172	189
McA	Moody silty clay loam, 0 to 2 percent slopes	Moody	90	97	125	145	160
McB	Moody silty clay loam, 2 to 6 percent slopes	Moody	90	97	125	145	160
MdC	Moody-Nora silty clay loams, 6 to 10 percent slopes	Moody	50	97	125	145	160
MdC	Moody-Nora silty clay loams, 6 to 10 percent slopes	Nora	35	92	119	138	152
NeF	Nora-Crofton silt loams, 20 to 50 percent slopes	Nora	50	101	130	151	166
NeF	Nora-Crofton silt loams, 20 to 50 percent slopes	Crofton	40	181	231	268	295
Oa	Omadi silt loam	Omadi	90	143	184	213	235
Ob	Onawa silty clay	Onawa	80	74	96	111	123
Pa	Percival silty clay	Percival	80	375	479	552	608
Sa	Salix silty clay loam	Salix	90	94	122	142	156
Sb	Salmo silty clay loam, somewhat poorly drained	Salmo	90	80	103	120	133
ScB	Sardak loamy fine sand, 3 to 9 percent slopes	Sardak	90	339	433	500	550
SdA	Scroll silty clay, 0 to 1 percent slopes	Scroll	90	273	349	403	443
SeA	Sardak soils, 0 to 3 percent slopes	Sardak	90	339	433	500	550
ShD	Shindler clay loam, 9 to 15 percent slopes	Shindler	85	47	62	72	80
ShE	Shindler clay loam, 15 to 30 percent slopes	Shindler	85	47	62	72	80
St	Storla loam	Storla	90	324	413	477	525
TaB	Thurman fine sandy loam, 3 to 9 percent slopes	Thurman	85	121	156	181	200
Wa	Wakonda-Worthing-Chancellor complex	Wakonda	45	101	131	152	168
Wa	Wakonda-Worthing-Chancellor complex	Worthing	30	72	93	108	120
Wa	Wakonda-Worthing-Chancellor complex	Chancellor	20	78	101	117	130
WbA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	90	97	125	145	160
WbB	Wentworth silty clay loam, 2 to 6 percent slopes	Wentworth	90	97	125	145	160

South Dakota Lateral Effect Tables for Union County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Wc	Wentworth-Worthing silty clay loams	Wentworth	40	97	125	145	160
Wc	Wentworth-Worthing silty clay loams	Worthing	30	72	93	108	120
Wh	Whitewood silty clay loam	Whitewood	85	87	112	130	144
Wo	Worthing silty clay loam	Worthing	90	72	93	108	120
Ws	Worthing-Chancellor silty clay loams	Worthing	55	72	93	108	120
Ws	Worthing-Chancellor silty clay loams	Chancellor	30	78	101	117	130

South Dakota Lateral Effect Tables for Union County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ab	Albaton silt loam, overwash	Albaton	90	40	57	70	80
Ac	Albaton silty clay	Albaton	100	40	57	70	80
Ad	Albaton silty clay, depressional	Albaton	100	57	80	96	110
Ae	Alcester silt loam, 2 to 6 percent slopes	Alcester	85	91	124	148	166
Bd	Benclare silty clay loam, somewhat poorly drained	Benclare	90	69	94	114	129
Be	Benclare soils, overwash	Benclare	90	69	94	114	129
Bf	Blencoe silty clay	Blencoe	90	61	85	102	116
Bg	Blyburg silt loam	Blyburg	90	123	164	194	218
Ca	Calco silty clay loam, wet	Calco	85	77	105	125	142
CbE2	Crofton silt loam, 12 to 17 percent slopes, eroded	Crofton	80	166	219	258	288
CbF	Crofton silt loam, 17 to 30 percent slopes	Crofton	85	166	219	258	288
CnB	Crofton-Nora silt loams, 2 to 6 percent slopes	Crofton	55	166	219	258	288
CnB	Crofton-Nora silt loams, 2 to 6 percent slopes	Nora	35	87	119	142	160
CnD2	Crofton-Nora silt loams, 6 to 12 percent slopes, eroded	Crofton	55	166	219	258	288
CnD2	Crofton-Nora silt loams, 6 to 12 percent slopes, eroded	Nora	25	87	119	142	160
Da	Davis loam	Davis	90	84	114	137	154
De	Dempster silty clay loam	Dempster	90	464	598	694	767
EaB	Egan-Shindler complex, 2 to 6 percent slopes	Egan	55	56	78	94	107
EaB	Egan-Shindler complex, 2 to 6 percent slopes	Shindler	35	36	52	64	74
EaC	Egan-Shindler complex, 6 to 9 percent slopes	Egan	50	56	78	94	107
EaC	Egan-Shindler complex, 6 to 9 percent slopes	Shindler	40	36	52	64	74
EmA	Enet loam, 0 to 2 percent slopes	Enet	95	192	252	296	329
EnB	Enet and dempster complex, 2 to 6 percent slopes	Enet	50	464	598	694	767
EnB	Enet and dempster complex, 2 to 6 percent slopes	Dempster	50	192	252	296	329
Fa	Chaska loam	Chaska	97	62	85	103	117
Fb	Norway loamy sand	Norway	99	314	408	476	527
Fc	Forney silty clay	Forney	100	40	57	70	81
Fe	Forney silt loam, overwash	Forney	90	40	57	70	81
Ga	Grable silt loam	Grable	70	475	612	711	785
Gb	Graceville silty clay loam	Graceville	90	278	362	423	469
Ha	Haynie silt loam	Haynie	80	164	217	255	284
Hb	Haynie silty clay loam	Haynie	90	129	173	204	228
Ja	James silty clay	James	90	55	76	93	106
Ka	Kennebec silty clay loam	Kennebec	80	76	104	125	141
La	Lakeport silty clay loam	Lakeport	90	57	79	96	109
Lb	Lamo silty clay loam	Lamo	90	62	86	104	118
Ld	Luton silty clay	Luton	90	45	63	77	89
Ma	McPaul silt loam	McPaul	85	129	172	204	228
Mb	Modale silt loam	Modale	90	101	136	162	182
McA	Moody silty clay loam, 0 to 2 percent slopes	Moody	90	83	114	136	153
McB	Moody silty clay loam, 2 to 6 percent slopes	Moody	90	83	114	136	153
MdC	Moody-Nora silty clay loams, 6 to 10 percent slopes	Moody	50	83	114	136	153
MdC	Moody-Nora silty clay loams, 6 to 10 percent slopes	Nora	35	79	108	129	145
NeF	Nora-Crofton silt loams, 20 to 50 percent slopes	Nora	50	87	119	142	160
NeF	Nora-Crofton silt loams, 20 to 50 percent slopes	Crofton	40	166	219	258	288
Oa	Omadi silt loam	Omadi	90	129	172	204	228
Ob	Onawa silty clay	Onawa	80	61	85	103	117
Pa	Percival silty clay	Percival	80	360	466	543	600
Sa	Salix silty clay loam	Salix	90	81	111	133	150
Sb	Salmo silty clay loam, somewhat poorly drained	Salmo	90	67	92	111	126
ScB	Sardak loamy fine sand, 3 to 9 percent slopes	Sardak	90	324	421	490	542
SdA	Scroll silty clay, 0 to 1 percent slopes	Scroll	90	258	336	393	436
SeA	Sardak soils, 0 to 3 percent slopes	Sardak	90	324	421	490	542
ShD	Shindler clay loam, 9 to 15 percent slopes	Shindler	85	36	52	64	74
ShE	Shindler clay loam, 15 to 30 percent slopes	Shindler	85	36	52	64	74
St	Storla loam	Storla	90	309	401	467	518
TaB	Thurman fine sandy loam, 3 to 9 percent slopes	Thurman	85	108	144	172	193
Wa	Wakonda-Worthing-Chancellor complex	Wakonda	45	88	120	143	161
Wa	Wakonda-Worthing-Chancellor complex	Worthing	30	59	82	100	113
Wa	Wakonda-Worthing-Chancellor complex	Chancellor	20	65	90	108	123
WbA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	90	84	114	136	153
WbB	Wentworth silty clay loam, 2 to 6 percent slopes	Wentworth	90	84	114	136	153

South Dakota Lateral Effect Tables for Union County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Wc	Wentworth-Worthing silty clay loams	Wentworth	40	84	114	136	153
Wc	Wentworth-Worthing silty clay loams	Worthing	30	59	82	100	113
Wh	Whitewood silty clay loam	Whitewood	85	74	101	121	137
Wo	Worthing silty clay loam	Worthing	90	59	82	100	113
Ws	Worthing-Chancellor silty clay loams	Worthing	55	59	82	100	113
Ws	Worthing-Chancellor silty clay loams	Chancellor	30	65	90	108	123

South Dakota Lateral Effect Tables for Walworth County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	85	130	167	193	213
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	85	130	167	193	213
AgC	Agar silt loam, 6 to 9 percent slopes	Agar	85	130	167	193	213
AkA	Akaska silt loam, 0 to 2 percent slopes	Akaska	90	525	670	772	849
AkB	Akaska silt loam, 2 to 6 percent slopes	Akaska	85	525	670	772	849
Ao	Aquolls	Aquolls	95	89	115	134	148
Ar	Arveson sandy loam, wet	Arveson	85	292	373	431	474
Bn	Bon loam	Bon	90	116	149	173	191
BoA	Bowbells loam, 0 to 3 percent slopes	Bowbells	85	76	99	115	127
BwA	Bowdle loam, 0 to 2 percent slopes	Bowdle	90	491	626	722	794
BwB	Bowdle loam, 2 to 6 percent slopes	Bowdle	90	491	626	722	794
BxB	Bowdle-Wabek loams, 2 to 6 percent slopes	Bowdle	55	491	626	722	794
BxB	Bowdle-Wabek loams, 2 to 6 percent slopes	Wabek	35	498	635	732	805
BxC	Bowdle-Wabek loams, 6 to 9 percent slopes	Bowdle	50	491	626	722	794
BxC	Bowdle-Wabek loams, 6 to 9 percent slopes	Wabek	40	498	635	732	805
BxD	Bowdle-Wabek loams, 9 to 15 percent slopes	Bowdle	50	491	626	722	794
BxD	Bowdle-Wabek loams, 9 to 15 percent slopes	Wabek	40	498	635	732	805
Co	Colvin silt loam	Colvin	90	102	131	152	168
DeA	Demky loam, 0 to 2 percent slopes	Demky	85	72	93	108	120
DeB	Demky loam, 2 to 6 percent slopes	Demky	85	72	93	108	120
DgA	Demky-Jerauld complex, 0 to 2 percent slopes	Demky	50	72	93	108	120
DgA	Demky-Jerauld complex, 0 to 2 percent slopes	Jerauld	30	64	84	98	108
Dm	Divide loam	Divide	85	529	674	777	854
Du	Durrstein silt loam	Durrstein	85	67	87	102	113
Eg	Egas silty clay loam	Egas	90	88	114	133	147
GeE	Gettys clay loam, 9 to 40 percent slopes	Gettys	85	50	65	77	85
Gp	Gravel pits	Orthents	99	568	724	834	917
HeA	Hecla loamy sand, 0 to 3 percent slopes	Hecla	90	125	161	187	206
HhA	Highmore silt loam, 0 to 2 percent slopes	Highmore	85	111	143	166	183
HhB	Highmore silt loam, 2 to 6 percent slopes	Highmore	85	111	143	166	183
HhC	Highmore silt loam, 6 to 9 percent slopes	Highmore	85	111	143	166	183
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	50	111	143	166	183
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	30	98	127	147	163
HkB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	50	111	143	166	183
HkB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	30	98	127	147	163
HkC	Highmore-Eakin silt loams, 6 to 9 percent slopes	Highmore	45	111	143	166	183
HkC	Highmore-Eakin silt loams, 6 to 9 percent slopes	Eakin	35	98	127	147	163
HmB	Highmore-Raber complex, 2 to 6 percent slopes	Highmore	55	111	143	166	183
HmB	Highmore-Raber complex, 2 to 6 percent slopes	Raber	25	52	69	80	89
HmC	Highmore-Raber complex, 6 to 9 percent slopes	Highmore	55	111	143	166	183
HmC	Highmore-Raber complex, 6 to 9 percent slopes	Raber	30	52	69	80	89
Ho	Hoven silt loam	Hoven	95	92	118	137	152
Je	Jerauld silt loam	Jerauld	90	64	84	98	108
Js	Jerauld-Slickspots complex	Jerauld	55	64	84	98	108
Js	Jerauld-Slickspots complex	Slickspots	40	93	120	140	154
LaA	Lehr loam, 0 to 2 percent slopes	Lehr	90	536	683	787	865
LaB	Lehr loam, 2 to 6 percent slopes	Lehr	90	536	683	787	865
LbB	Lehr-Bowdle loams, 2 to 9 percent slopes	Lehr	60	536	683	787	865
LbB	Lehr-Bowdle loams, 2 to 9 percent slopes	Bowdle	30	491	626	722	794
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	204	261	302	332
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	204	261	302	332
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	85	204	261	302	332
Ma	Macken silty clay	Macken	85	85	110	128	141
MdB	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	298	381	440	484
MdC	Maddock loamy fine sand, 6 to 15 percent slopes	Maddock	90	298	381	440	484
Mo	Mobridge silt loam	Mobridge	85	133	172	199	219
Pa	Parnell clay loam, wet	Parnell	95	100	130	150	166
PrA	Parshall fine sandy loam, 0 to 2 percent slopes	Parshall	95	191	244	282	311
PrB	Parshall fine sandy loam, 2 to 6 percent slopes	Parshall	95	191	244	282	311
PsA	Promise clay, 0 to 2 percent slopes	Promise	90	101	130	151	167
PsB	Promise clay, 2 to 6 percent slopes	Promise	90	101	131	152	168
RaB	Raber loam, 2 to 6 percent slopes	Raber	90	52	69	80	89

South Dakota Lateral Effect Tables for Walworth County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RaC	Raber loam, 6 to 9 percent slopes	Raber	90	52	69	80	89
RbD	Raber-Gettys complex, 6 to 15 percent slopes	Raber	60	52	69	80	89
RbD	Raber-Gettys complex, 6 to 15 percent slopes	Gettys	35	50	65	77	85
Re	Regan silt loam	Regan	95	118	152	176	194
SuC	Sully silt loam, 2 to 9 percent slopes	Sully	90	145	186	215	237
SuD	Sully silt loam, 9 to 15 percent slopes	Sully	85	145	186	215	237
SuE	Sully silt loam, 15 to 40 percent slopes	Sully	85	145	186	215	237
SwA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	90	70	91	106	118
TaA	Tally fine sandy loam, 0 to 2 percent slopes	Tally	85	108	139	161	178
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	108	139	161	178
TaC	Tally fine sandy loam, 6 to 9 percent slopes	Tally	85	108	139	161	178
Te	Tetonka silt loam	Tetonka	95	102	132	153	169
Us	Wendte clay loam, channeled	Wendte	85	92	118	138	152
VdD	Vida stony loam, 3 to 15 percent slopes	Vida	85	79	102	119	132
VzD	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	55	72	84	94
VzD	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	30	73	95	111	123
WaE	Wabek loam, 9 to 40 percent slopes	Wabek	85	498	635	732	805
WbA	Williams-Bowbells loams, 0 to 2 percent slopes	Williams	50	70	91	106	117
WbA	Williams-Bowbells loams, 0 to 2 percent slopes	Bowbells	40	30	99	115	127
WbB	Williams-Bowbells loams, 2 to 6 percent slopes	Williams	55	30	91	106	117
WbB	Williams-Bowbells loams, 2 to 6 percent slopes	Bowbells	35	30	99	115	127
WdC	Williams-Vida loams, 6 to 9 percent slopes	Williams	55	70	91	106	117
WdC	Williams-Vida loams, 6 to 9 percent slopes	Vida	35	55	72	84	94
YeB	Yecross loamy fine sand, 0 to 6 percent slopes	Yecross	90	115	148	172	190
YeC	Yecross loamy fine sand, 6 to 15 percent slopes	Yecross	90	115	148	172	190
ZaE	Zahl-Williams loams, 15 to 34 percent slopes	Zahl	55	73	95	111	123
ZaE	Zahl-Williams loams, 15 to 34 percent slopes	Williams	40	70	90	105	117
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
HuB	Hurley silt loam, 2 to 9 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
OpC	Opal clay, 2 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	40	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Walworth County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
AgA	Agar silt loam, 0 to 2 percent slopes	Agar	85	116	155	184	206
AgB	Agar silt loam, 2 to 6 percent slopes	Agar	85	116	155	184	206
AgC	Agar silt loam, 6 to 9 percent slopes	Agar	85	116	155	184	206
AkA	Akaska silt loam, 0 to 2 percent slopes	Akaska	90	510	657	762	841
AkB	Akaska silt loam, 2 to 6 percent slopes	Akaska	85	510	657	762	841
Ao	Aquolls	Aquolls	95	76	104	125	141
Ar	Arveson sandy loam, wet	Arveson	85	277	361	421	467
Bn	Bon loam	Bon	90	102	138	164	184
BoA	Bowbells loam, 0 to 3 percent slopes	Bowbells	85	64	88	106	120
BwA	Bowdle loam, 0 to 2 percent slopes	Bowdle	90	476	614	712	786
BwB	Bowdle loam, 2 to 6 percent slopes	Bowdle	90	476	614	712	786
BxB	Bowdle-Wabek loams, 2 to 6 percent slopes	Bowdle	55	476	614	712	786
BxB	Bowdle-Wabek loams, 2 to 6 percent slopes	Wabek	35	483	622	722	797
BxC	Bowdle-Wabek loams, 6 to 9 percent slopes	Bowdle	50	476	614	712	786
BxC	Bowdle-Wabek loams, 6 to 9 percent slopes	Wabek	40	483	622	722	797
BxD	Bowdle-Wabek loams, 9 to 15 percent slopes	Bowdle	50	476	614	712	786
BxD	Bowdle-Wabek loams, 9 to 15 percent slopes	Wabek	40	483	622	722	797
Co	Colvin silt loam	Colvin	90	88	120	143	161
DeA	Demky loam, 0 to 2 percent slopes	Demky	85	59	82	100	113
DeB	Demky loam, 2 to 6 percent slopes	Demky	85	59	82	100	113
DgA	Demky-Jerauld complex, 0 to 2 percent slopes	Demky	50	59	82	100	113
DgA	Demky-Jerauld complex, 0 to 2 percent slopes	Jerauld	30	52	73	89	101
Dm	Divide loam	Divide	85	514	661	767	847
Du	Durrstein silt loam	Durrstein	85	55	77	93	106
Eg	Egas silty clay loam	Egas	90	76	103	124	140
GeE	Gettys clay loam, 9 to 40 percent slopes	Gettys	85	39	56	68	79
Gp	Gravel pits	Orthents	99	553	711	824	910
HeA	Hecla loamy sand, 0 to 3 percent slopes	Hecla	90	111	150	177	199
HhA	Highmore silt loam, 0 to 2 percent slopes	Highmore	85	97	131	156	176
HhB	Highmore silt loam, 2 to 6 percent slopes	Highmore	85	97	131	156	176
HhC	Highmore silt loam, 6 to 9 percent slopes	Highmore	85	97	131	156	176
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Highmore	50	97	131	156	176
HkA	Highmore-Eakin silt loams, 0 to 2 percent slopes	Eakin	30	85	116	138	156
HkB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Highmore	50	97	131	156	176
HkB	Highmore-Eakin silt loams, 2 to 6 percent slopes	Eakin	30	85	116	138	156
HkC	Highmore-Eakin silt loams, 6 to 9 percent slopes	Highmore	45	97	131	156	176
HkC	Highmore-Eakin silt loams, 6 to 9 percent slopes	Eakin	35	85	116	138	156
HmB	Highmore-Raber complex, 2 to 6 percent slopes	Highmore	55	97	131	156	176
HmB	Highmore-Raber complex, 2 to 6 percent slopes	Raber	25	41	58	72	82
HmC	Highmore-Raber complex, 6 to 9 percent slopes	Highmore	55	97	131	156	176
HmC	Highmore-Raber complex, 6 to 9 percent slopes	Raber	30	41	58	72	82
Ho	Hoven silt loam	Hoven	95	79	107	128	145
Je	Jerauld silt loam	Jerauld	90	52	73	89	101
Js	Jerauld-Slickspots complex	Jerauld	55	52	73	89	101
Js	Jerauld-Slickspots complex	Slickspots	40	80	109	131	148
LaA	Lehr loam, 0 to 2 percent slopes	Lehr	90	520	670	777	858
LaB	Lehr loam, 2 to 6 percent slopes	Lehr	90	520	670	777	858
LbB	Lehr-Bowdle loams, 2 to 9 percent slopes	Lehr	60	520	670	777	858
LbB	Lehr-Bowdle loams, 2 to 9 percent slopes	Bowdle	30	476	614	712	786
LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	189	249	292	325
LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	189	249	292	325
LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	85	189	249	292	325
Ma	Macken silty clay	Macken	85	72	99	119	135
MdB	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	284	369	430	477
MdC	Maddock loamy fine sand, 6 to 15 percent slopes	Maddock	90	284	369	430	477
Mo	Mobridge silt loam	Mobridge	85	120	160	189	212
Pa	Parnell clay loam, wet	Parnell	95	87	118	141	159
PrA	Parshall fine sandy loam, 0 to 2 percent slopes	Parshall	95	176	232	273	304
PrB	Parshall fine sandy loam, 2 to 6 percent slopes	Parshall	95	176	232	273	304
PsA	Promise clay, 0 to 2 percent slopes	Promise	90	87	119	142	160
PsB	Promise clay, 2 to 6 percent slopes	Promise	90	88	120	143	161
RaB	Raber loam, 2 to 6 percent slopes	Raber	90	41	58	72	82

South Dakota Lateral Effect Tables for Walworth County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
RaC	Raber loam, 6 to 9 percent slopes	Raber	90	41	58	72	82
RbD	Raber-Gettys complex, 6 to 15 percent slopes	Raber	60	41	58	72	82
RbD	Raber-Gettys complex, 6 to 15 percent slopes	Gettys	35	39	56	68	79
Re	Regan silt loam	Regan	95	104	140	167	187
SuC	Sully silt loam, 2 to 9 percent slopes	Sully	90	131	174	206	230
SuD	Sully silt loam, 9 to 15 percent slopes	Sully	85	131	174	206	230
SuE	Sully silt loam, 15 to 40 percent slopes	Sully	85	131	174	206	230
SwA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	90	58	81	98	111
TaA	Tally fine sandy loam, 0 to 2 percent slopes	Tally	85	94	128	152	171
TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	94	128	152	171
TaC	Tally fine sandy loam, 6 to 9 percent slopes	Tally	85	94	128	152	171
Te	Tetonka silt loam	Tetonka	95	89	120	144	162
Us	Wendte clay loam, channeled	Wendte	85	79	107	129	145
VdD	Vida stony loam, 3 to 15 percent slopes	Vida	85	67	92	110	125
VzD	Vida-Zahl loams, 6 to 15 percent slopes	Vida	55	44	62	76	87
VzD	Vida-Zahl loams, 6 to 15 percent slopes	Zahl	30	61	84	102	116
WaE	Wabek loam, 9 to 40 percent slopes	Wabek	85	483	622	722	797
WbA	Williams-Bowbells loams, 0 to 2 percent slopes	Williams	50	58	80	97	110
WbA	Williams-Bowbells loams, 0 to 2 percent slopes	Bowbells	40	29	88	106	120
WbB	Williams-Bowbells loams, 2 to 6 percent slopes	Williams	55	29	80	97	110
WbB	Williams-Bowbells loams, 2 to 6 percent slopes	Bowbells	35	29	88	106	120
WdC	Williams-Vida loams, 6 to 9 percent slopes	Williams	55	58	80	97	110
WdC	Williams-Vida loams, 6 to 9 percent slopes	Vida	35	44	62	76	87
YeB	Yecross loamy fine sand, 0 to 6 percent slopes	Yecross	90	102	137	163	183
YeC	Yecross loamy fine sand, 6 to 15 percent slopes	Yecross	90	102	137	163	183
ZaE	Zahl-Williams loams, 15 to 34 percent slopes	Zahl	55	61	84	102	116
ZaE	Zahl-Williams loams, 15 to 34 percent slopes	Williams	40	57	80	97	110
***NOTE:**	The following soils have a barrier layer less than eight (8) feet and must be calculated using a different method.						
HuB	Hurley silt loam, 2 to 9 percent slopes	Hurley	85	barrier	barrier	barrier	barrier
OpC	Opal clay, 2 to 9 percent slopes	Opal	90	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	barrier	barrier	barrier	barrier
OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	barrier	barrier	barrier	barrier
SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	40	barrier	barrier	barrier	barrier

South Dakota Lateral Effect Tables for Yankton County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Baltic clay loam	Baltic	85	81	105	122	135
Bb	Baltic silty clay	Baltic	85	70	90	105	116
Bc	Baltic silty clay, depressional	Baltic	85	70	90	105	116
BdE	Betts-Gavins complex, 15 to 40 percent slopes	Betts	50	67	87	101	112
BdE	Betts-Gavins complex, 15 to 40 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
Be	Blake silty clay loam	Blake	85	130	167	194	214
Bf	Blencoe silty clay	Blencoe	85	113	146	169	186
Bg	Blencoe-Gayville complex	Blencoe	50	113	146	169	186
Bg	Blencoe-Gayville complex	Gayville	35	119	153	178	196
BhB	Blendon-Thurman complex, 0 to 6 percent slopes	Blendon	50	275	352	406	447
BhB	Blendon-Thurman complex, 0 to 6 percent slopes	Thurman	25	130	167	193	213
Bk	Blyburg silt loam	Blyburg	85	140	180	208	230
Bm	Bon loam	Bon	90	111	143	166	184
BnA	Bonilla-Crossplain complex, 0 to 2 percent slopes	Bonilla	55	93	120	139	154
BnA	Bonilla-Crossplain complex, 0 to 2 percent slopes	Crossplain	30	56	74	86	95
BoE	Boyd-Ethan association, 15 to 40 percent slopes	Boyd	50	31	barrier	barrier	barrier
BoE	Boyd-Ethan association, 15 to 40 percent slopes	Ethan	30	53	69	81	89
Bp	Baltic silty clay loam, 0 to 2 percent slopes	Baltic	85	87	113	131	145
Br	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Blyburg	50	140	180	208	229
Br	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Gayville	30	121	155	180	199
Bs	Blencoe silty clay, 0 to 2 percent slopes, clayey substratum	Blencoe	80	66	86	101	111
Ca	Chancellor silty clay loam	Chancellor	85	78	102	118	131
Cb	Clamo silty clay loam	Clamo	85	94	121	141	156
Cc	Clamo variant silty clay loam	Clamo	90	115	148	172	190
CdA	Clarno loam, 0 to 2 percent slopes	Clarno	85	68	89	103	114
CeB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	60	68	89	103	114
CeB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	93	120	139	154
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Clarno	50	68	89	103	114
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Crossplain	20	56	74	86	95
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Stickney	15	71	93	108	119
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Clarno	40	68	89	103	114
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Crossplain	25	56	74	86	95
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	101	131	152	167
CmE	Crofton-Nora silt loams, 9 to 25 percent slopes	Crofton	50	180	231	267	294
CmE	Crofton-Nora silt loams, 9 to 25 percent slopes	Nora	35	102	131	152	168
CoE	Crofton-Boyd association, 15 to 40 percent slopes	Crofton	50	180	231	267	294
CoE	Crofton-Boyd association, 15 to 40 percent slopes	Boyd	35	29	barrier	barrier	barrier
DaB	Davis silt loam, 2 to 9 percent slopes	Davis	85	105	135	157	173
DbB	Davis variant loam, 0 to 6 percent slopes	Davis	85	244	312	360	397
DcB	Davis loam, 2 to 6 percent slopes	Davis	85	93	120	140	154
EaB	Egan-Chancellor silty clay loams, 1 to 6 percent slopes	Egan	50	67	86	101	112
EaB	Egan-Chancellor silty clay loams, 1 to 6 percent slopes	Chancellor	25	78	102	118	131
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	50	67	86	101	112
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	20	53	69	81	89
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	20	76	99	115	127
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Egan	40	67	86	101	112
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Ethan	30	53	69	81	89
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Trent	15	76	99	115	127
EcA	Egan-Wentworth silty clay loams, 0 to 2 percent slopes	Egan	50	67	86	101	112
EcA	Egan-Wentworth silty clay loams, 0 to 2 percent slopes	Wentworth	35	98	126	147	162
EcB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	50	67	86	101	112
EcB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	40	98	126	147	162
EdA	Egan-Whitewood silty clay loams, 0 to 3 percent slopes	Egan	55	67	86	101	112
EdA	Egan-Whitewood silty clay loams, 0 to 3 percent slopes	Whitewood	30	85	110	128	141
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Egan	45	70	92	107	118

South Dakota Lateral Effect Tables for Yankton County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (Open Ditch) El. wetland boundary - El. ditch invert			
				2 ft.	3 ft.	4 ft.	5 ft.
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Clarno	25	71	92	107	119
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Trent	20	91	117	136	150
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	70	92	107	118
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	91	117	136	150
EfB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Egan	50	70	92	107	118
EfB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Trent	30	91	117	136	150
EhA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	45	482	614	708	779
EhA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	35	488	622	717	789
EhB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	45	482	614	708	779
EhB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	35	488	622	717	789
EkD	Ethan stony loam, 3 to 25 percent slopes	Ethan	90	52	69	80	89
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	53	69	81	89
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	30	67	87	101	112
EnC	Ethan-Bonilla loams, 3 to 9 percent slopes	Ethan	55	53	69	81	89
EnC	Ethan-Bonilla loams, 3 to 9 percent slopes	Bonilla	30	93	120	139	154
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Ethan	55	53	69	81	89
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Davis	35	91	118	137	152
EpD	Ethan-Talmo loams, 6 to 15 percent slopes	Ethan	45	53	69	81	89
EpD	Ethan-Talmo loams, 6 to 15 percent slopes	Talmo	35	412	525	606	666
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	67	88	102	113
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	71	92	107	119
EsD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	67	88	102	113
EsD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	25	110	141	164	181
EtC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	67	88	102	113
EtC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	70	92	107	118
Fa	Forney silty clay loam	Forney	85	71	93	108	120
Fb	Forney silty clay, 0 to 2 percent slopes	Forney	80	53	69	81	90
Ga	Grable silt loam	Grable	85	534	681	785	863
Gb	Graceville silty clay loam	Graceville	85	316	404	466	513
Ha	Haynie silt loam	Haynie	85	126	162	187	207
Hb	Haynie silty clay loam, overwash	Haynie	85	120	154	179	197
Ja	James silty clay loam	James	85	79	102	118	131
La	Lakeport silty clay loam	Lakeport	85	71	92	107	118
Lb	Lamo silty clay loam	Lamo	85	80	104	121	134
Lc	Luton silty clay	Luton	85	55	72	84	93
Ld	Luton silty clay, depressional	Luton	85	55	72	84	93
Oa	Onawa silty clay	Onawa	85	73	94	110	122
Ob	Owego silty clay loam	Owego	85	68	89	103	114
Ra	Redstoe variant silt loam, 6 to 15 percent slopes	Redstoe	90	142	182	211	233
Rb	Roxbury loam, channeled	Roxbury	85	71	92	108	119
Rc	Roxbury silt loam	Roxbury	90	79	103	119	132
Rd	Roxbury silt loam, channeled	Roxbury	85	79	103	119	132
Sa	Salix silty clay loam	Salix	90	100	129	150	166
Sb	Salmo silty clay loam	Salmo	85	74	96	111	123
SdA	Sardak loamy fine sand, 0 to 3 percent slopes	Sardak	85	330	421	486	534
SeA	Sardak-Grable complex, 0 to 4 percent slopes	Sardak	50	330	421	486	534
SeA	Sardak-Grable complex, 0 to 4 percent slopes	Grable	35	534	681	785	863
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Talmo	55	412	525	606	666
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Thurman	30	130	167	193	213
Tb	Tetonka silt loam	Tetonka	85	101	131	152	167
TcC	Thurman-Ethan complex, 2 to 9 percent slopes	Thurman	40	130	167	193	213
TcC	Thurman-Ethan complex, 2 to 9 percent slopes	Ethan	35	53	69	81	89
TdA	Trent silty clay loam, 0 to 2 percent slopes	Trent	85	76	99	115	127
Wa	Waubonsie very fine sandy loam	Waubonsie	85	71	92	107	118
WbA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	85	98	126	147	162
WcB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	60	98	126	147	162
WcB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	25	76	99	115	127
Wd	Worthing silty clay loam	Worthing	85	69	90	105	116
We	Worthing silty clay loam, ponded	Worthing	100	77	99	116	128

South Dakota Lateral Effect Tables for Yankton County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
Ba	Baltic clay loam	Baltic	85	69	94	113	128
Bb	Baltic silty clay	Baltic	85	57	80	97	110
Bc	Baltic silty clay, depressional	Baltic	85	57	80	97	110
BdE	Betts-Gavins complex, 15 to 40 percent slopes	Betts	50	55	76	92	105
BdE	Betts-Gavins complex, 15 to 40 percent slopes	Gavins	30	barrier	barrier	barrier	barrier
Be	Blake silty clay loam	Blake	85	116	156	184	207
Bf	Blencoe silty clay	Blencoe	85	99	134	160	179
Bg	Blencoe-Gayville complex	Blencoe	50	99	134	160	179
Bg	Blencoe-Gayville complex	Gayville	35	105	142	168	189
BhB	Blendon-Thurman complex, 0 to 6 percent slopes	Blendon	50	260	339	396	440
BhB	Blendon-Thurman complex, 0 to 6 percent slopes	Thurman	25	116	155	184	206
Bk	Blyburg silt loam	Blyburg	85	126	168	199	223
Bm	Bon loam	Bon	90	98	132	157	177
BnA	Bonilla-Crossplain complex, 0 to 2 percent slopes	Bonilla	55	80	109	130	147
BnA	Bonilla-Crossplain complex, 0 to 2 percent slopes	Crossplain	30	45	63	78	89
BoE	Boyd-Ethan association, 15 to 40 percent slopes	Boyd	50	31	barrier	barrier	barrier
BoE	Boyd-Ethan association, 15 to 40 percent slopes	Ethan	30	42	59	72	83
Bp	Baltic silty clay loam, 0 to 2 percent slopes	Baltic	85	75	102	122	138
Br	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Blyburg	50	126	168	199	222
Br	Blyburg-Gayville silt loams, 0 to 2 percent slopes	Gayville	30	107	144	171	192
Bs	Blencoe silty clay, 0 to 2 percent slopes, clayey substratum	Blencoe	80	54	76	92	105
Ca	Chancellor silty clay loam	Chancellor	85	66	91	109	124
Cb	Clamo silty clay loam	Clamo	85	81	110	132	149
Cc	Clamo variant silty clay loam	Clamo	90	101	137	163	183
CdA	Clarno loam, 0 to 2 percent slopes	Clarno	85	56	78	95	108
CeB	Clarno-Bonilla loams, 1 to 6 percent slopes	Clarno	60	56	78	95	108
CeB	Clarno-Bonilla loams, 1 to 6 percent slopes	Bonilla	20	80	109	130	147
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Clarno	50	56	78	95	108
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Crossplain	20	45	63	78	89
ChA	Clarno-Crossplain-Stickney complex, 0 to 3 percent slopes	Stickney	15	59	82	99	113
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Clarno	40	56	78	95	108
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Crossplain	25	45	63	78	89
CkA	Clarno-Crossplain-Tetonka complex, 0 to 3 percent slopes	Tetonka	15	88	119	143	161
CmE	Crofton-Nora silt loams, 9 to 25 percent slopes	Crofton	50	165	219	257	287
CmE	Crofton-Nora silt loams, 9 to 25 percent slopes	Nora	35	88	120	143	161
CoE	Crofton-Boyd association, 15 to 40 percent slopes	Crofton	50	165	219	257	287
CoE	Crofton-Boyd association, 15 to 40 percent slopes	Boyd	35	29	barrier	barrier	barrier
DaB	Davis silt loam, 2 to 9 percent slopes	Davis	85	91	124	147	166
DbB	Davis variant loam, 0 to 6 percent slopes	Davis	85	229	300	351	389
DcB	Davis loam, 2 to 6 percent slopes	Davis	85	80	109	131	147
EaB	Egan-Chancellor silty clay loams, 1 to 6 percent slopes	Egan	50	55	76	92	105
EaB	Egan-Chancellor silty clay loams, 1 to 6 percent slopes	Chancellor	25	66	91	109	124
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Egan	50	55	76	92	105
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Ethan	20	42	59	72	83
EbB	Egan-Ethan-Trent complex, 1 to 6 percent slopes	Trent	20	64	88	106	121
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Egan	40	55	76	92	105
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Ethan	30	42	59	72	83
EbC	Egan-Ethan-Trent complex, 2 to 9 percent slopes	Trent	15	64	88	106	121
EcA	Egan-Wentworth silty clay loams, 0 to 2 percent slopes	Egan	50	55	76	92	105
EcA	Egan-Wentworth silty clay loams, 0 to 2 percent slopes	Wentworth	35	85	115	138	155
EcB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Egan	50	55	76	92	105
EcB	Egan-Wentworth silty clay loams, 2 to 6 percent slopes	Wentworth	40	85	115	138	155
EdA	Egan-Whitewood silty clay loams, 0 to 3 percent slopes	Egan	55	55	76	92	105
EdA	Egan-Whitewood silty clay loams, 0 to 3 percent slopes	Whitewood	30	72	99	119	135
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Egan	45	58	81	98	111

South Dakota Lateral Effect Tables for Yankton County

Note: f = drainable porosity, ksat = saturated hydraulic conductivity, lateral effect distances calculated using van Schilfgaarde equation, El., Elevation.

Map Symbol	Map Unit	Component	Component Percent	Lateral Effect Distances (ft.) (5-inch Tile) El. wetland boundary - El. tile invert			
				2 ft.	3 ft.	4 ft.	5 ft.
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Clarno	25	59	82	99	112
EeB	Egan-Clarno-Trent complex, 1 to 6 percent slopes	Trent	20	78	106	127	144
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Egan	50	58	81	98	111
EfA	Egan-Trent silty clay loams, 0 to 2 percent slopes	Trent	35	78	106	127	144
EfB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Egan	50	58	81	98	111
EfB	Egan-Trent silty clay loams, 1 to 6 percent slopes	Trent	30	78	106	127	144
EhA	Enet-Delmont loams, 0 to 2 percent slopes	Enet	45	467	602	699	772
EhA	Enet-Delmont loams, 0 to 2 percent slopes	Delmont	35	473	610	707	781
EhB	Enet-Delmont loams, 2 to 6 percent slopes	Enet	45	467	602	699	772
EhB	Enet-Delmont loams, 2 to 6 percent slopes	Delmont	35	473	610	707	781
EkD	Ethan stony loam, 3 to 25 percent slopes	Ethan	90	41	59	72	83
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Ethan	50	42	59	72	83
EmE	Ethan-Betts loams, 15 to 40 percent slopes	Betts	30	55	76	92	105
EnC	Ethan-Bonilla loams, 3 to 9 percent slopes	Ethan	55	42	59	72	83
EnC	Ethan-Bonilla loams, 3 to 9 percent slopes	Bonilla	30	80	109	130	147
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Ethan	55	42	59	72	83
EoD	Ethan-Davis loams, 9 to 15 percent slopes	Davis	35	78	107	128	145
EpD	Ethan-Talmo loams, 6 to 15 percent slopes	Ethan	45	42	59	72	83
EpD	Ethan-Talmo loams, 6 to 15 percent slopes	Talmo	35	397	513	596	659
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Ethan	60	55	77	94	106
ErD	Ethan-Clarno loams, 9 to 15 percent slopes	Clarno	30	59	82	99	112
EsD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Ethan	55	55	77	94	106
EsD	Ethan-Bon, channeled, loams, 0 to 20 percent slopes	Bon	25	96	130	155	174
EtC	Ethan-Egan complex, 6 to 9 percent slopes	Ethan	50	55	77	94	106
EtC	Ethan-Egan complex, 6 to 9 percent slopes	Egan	35	58	81	98	111
Fa	Forney silty clay loam	Forney	85	59	82	99	113
Fb	Forney silty clay, 0 to 2 percent slopes	Forney	80	42	59	72	83
Ga	Grable silt loam	Grable	85	519	669	775	856
Gb	Graceville silty clay loam	Graceville	85	301	392	457	506
Ha	Haynie silt loam	Haynie	85	112	150	178	200
Hb	Haynie silty clay loam, overwash	Haynie	85	106	143	170	190
Ja	James silty clay loam	James	85	66	91	110	124
La	Lakeport silty clay loam	Lakeport	85	58	81	98	111
Lb	Lamo silty clay loam	Lamo	85	68	93	112	127
Lc	Luton silty clay	Luton	85	44	62	76	87
Ld	Luton silty clay, depressional	Luton	85	44	62	76	87
Oa	Onawa silty clay	Onawa	85	60	84	101	115
Ob	Owego silty clay loam	Owego	85	56	78	94	108
Ra	Redstoe variant silt loam, 6 to 15 percent slopes	Redstoe	90	128	170	202	226
Rb	Roxbury loam, channeled	Roxbury	85	59	82	99	112
Rc	Roxbury silt loam	Roxbury	90	67	92	110	125
Rd	Roxbury silt loam, channeled	Roxbury	85	67	92	110	125
Sa	Salix silty clay loam	Salix	90	87	118	141	159
Sb	Salmo silty clay loam	Salmo	85	61	85	102	116
SdA	Sardak loamy fine sand, 0 to 3 percent slopes	Sardak	85	315	408	476	527
SeA	Sardak-Grable complex, 0 to 4 percent slopes	Sardak	50	315	408	476	527
SeA	Sardak-Grable complex, 0 to 4 percent slopes	Grable	35	519	669	775	856
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Talmo	55	397	513	596	659
TaE	Talmo-Thurman complex, 15 to 40 percent slopes	Thurman	30	116	155	184	206
Tb	Tetonka silt loam	Tetonka	85	88	119	143	161
TcC	Thurman-Ethan complex, 2 to 9 percent slopes	Thurman	40	116	155	184	206
TcC	Thurman-Ethan complex, 2 to 9 percent slopes	Ethan	35	42	59	72	83
TdA	Trent silty clay loam, 0 to 2 percent slopes	Trent	85	64	88	106	121
Wa	Waubonsie very fine sandy loam	Waubonsie	85	59	81	98	112
WbA	Wentworth silty clay loam, 0 to 2 percent slopes	Wentworth	85	85	115	138	155
WcB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Wentworth	60	85	115	138	155
WcB	Wentworth-Trent silty clay loams, 1 to 6 percent slopes	Trent	25	64	88	106	121
Wd	Worthing silty clay loam	Worthing	85	57	79	96	109
We	Worthing silty clay loam, ponded	Worthing	100	64	89	107	121